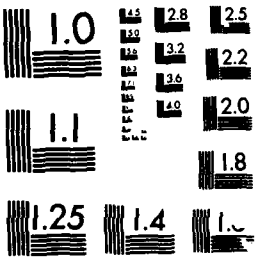
AD-A190 783 MCGHEE-TYSON ANGB KNOXVILLE TENNESSEE REVISED UNIFORM SUMMARY OF SURFACE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 88 1/4

UNCLASSIFIED USAFETAC/DS-88/017 F/G 4/2 NL



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

DTIC FILE COPY

USTN723260 USAFETAC/DS-88/017

AD-A190 783

OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)

DTIC
ELECTE
APR 05 1988
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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MCGHEE-TYSON ANGB KNOXVILLE TN MSC# 723260
N 35 49 W 084 00 ELEV 981 FT KTYS

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: OCT 77 - SEP 87

SUMMARY OF DAY DATA: JAN 48 - SEP 87

MAR 16 1988

FEDERAL BUILDING

"Approved for public release;
Distribution Unlimited"

ASHEVILLE, N.C. 28801 - 2723

88 4 4 086

REPORT DOCUMENTATION PAGE

1a. **Report Security Classification:** UNCLASSIFIED

3. **Distribution/Availability of Report:** Approved for public release; Distribution unlimited.

4. **Performing Organization Report Number:** USAFETAC/DS-88/017.

5. **Monitoring Organization Report Number:** USAFETAC/DS-88/017.

6a. **Name of Performing Organization:** USAFETAC/OL-A
6b. **Office Symbol:**
6c. **Address:** Federal Building, Asheville, NC 28801-2723.

11 **Title:** (RUSSWO) McGhee-Tyson ANGB Knoxville TN.

12 **Personal Author(s):**

13a **Type of Report:** Data Summary
13b **Time Covered:** Jan 48-Sep 87.

14 **Date of Report:** Mar 1988

15 **Page Count:** 312

17 **COSATI Codes:** Field--04, Group--02

18 **Subject Terms:** *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); McGhee-Tyson ANGB TN; Knoxville TN; Tennessee; USTN723260.

19 **Abstract:** A six-part statistical data summary of surface weather observations for: McGhee-Tyson ANGB Knoxville TN. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete description of contents and instructions for use.

20 **Distribution/Availability of Abstract:** Same as report.

21 **Abstract Security Classification:** UNCLASSIFIED.

22a **Name of Responsible Individual:** Marianne L. Cavanaugh
22b **Telephone:** (618)256-2625
22c **Office Symbol:** USAFETAC/LDD

DD FORM 1473UNCLASSIFIED

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STATION NAME: MCGHEE-TYSON ANGB, KNOXVILLE TN

STATION NUMBER: 72326C

CALL ID: KTYS

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: OCT 77 - SEP 87

SUMMARY OF DAY DATA: JAN 48 - SEP 87

TIME CONVERSION LST TO GMT: +5

DATE PRODUCED: 08 MAR 1988

By
Distribution/
Availability Codes
Avail and/or
Dist Special
A-1

OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

WMSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (C THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WMO NUMBER
723260	McGhee-Tyson Airport/Knoxville TN	N 35 49	W 084 00	981	TYS	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Knoxville Municipal Airport	WB	Jan 48	Dec 64	N 35 49	W 083 59	989	974	24
2	Same	WB	Jan 65	Apr 77	Same	Same	Same	980	24
3.	McGhee-Tyson Airport/Knoxville TN	WB	May 77	Nov 83	Same	W 084 00	981	975	24
4.	Same	WB	Dec 83	Sep 87	Same	W 084 00	981	975	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 48	Unknown	Unknown	Unknown	Unknown	
2	Dec 64	Ground	F420C	Unknown	22 Ft	
3	May 71	Ground	F420C	F312	22 Ft	
4	Nov 83	Ground	F420C	F312	22 Ft	

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

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PP            AA      AA    RR      RR        TT        AA      AA
PP            AA      AA    RR       RR       TT        AA      AA
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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE

2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.3	9.7	1.0	7.7		17.8	17.4	2.5			19.2	930
03-05	.3	11.0	.9	7.0		18.4	21.1	1.7	.1		22.6	930
06-08		11.4	.6	5.7		17.4	25.1	2.7		.1	27.4	930
09-11		9.7	.8	8.3		17.8	27.0	8.2			33.8	930
12-14		10.4	.9	5.1		15.9	18.4	8.1			25.9	930
15-17		8.9	.4	4.4		13.4	13.7	5.2			18.4	930
18-20		11.5	.8	5.3		17.0	13.8	4.1			17.3	930
21-23		9.6	1.0	6.2		16.6	13.2	3.5			16.0	930
TOTALS	.1	10.3	.8	6.2		16.8	18.7	4.5	.0	.0	22.6	7440

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	10.5	.5	5.8		15.8	18.3	5.6			23.3	846
03-05	.2	10.2	.5	6.3		16.2	21.9	5.3	.4		26.2	846
06-08	.4	11.9	.1	7.1		18.3	25.1	4.7			28.4	846
09-11	.2	11.[illegible]	.6	6.4		17.1	25.2	10.6			34.6	846
12-14		10.0	.2	5.1		14.9	15.4	9.2			24.2	846
15-17		12.1	.1	4.1		16.1	12.9	7.4			20.1	846
18-20	.6	12.3	.4	4.1		16.4	13.8	7.7		.1	20.9	846
21-23	.2	11.0	.8	4.4		15.7	13.9	7.9			20.9	846
TOTALS	.2	11.1	.4	5.4		16.3	18.3	7.3	.1	.0	24.8	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.5	11.2		1.5		12.4	9.8	.3			10.0	930
03-05	1.0	12.8		2.4		14.7	14.5	.3			14.5	930
06-08	.8	11.3		1.7		12.7	21.7	1.2			22.6	930
09-11	.4	8.3	.2	2.6		10.8	15.2	4.8			19.9	930
12-14	.1	7.5		2.5		10.0	6.2	2.9			8.9	930
15-17	.4	8.6		1.6		10.1	5.3	2.2			7.4	930
18-20	.3	8.4		1.7		9.6	6.5	1.8			8.3	930
21-23	.1	10.0		1.7		11.5	7.0	.9			7.7	930
TOTALS	.5	9.8	.0	2.0		11.5	10.8	1.8			12.4	7440

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: APR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.6	5.1		.2		5.3	6.7				6.7	900
03-05	.4	8.4		.3		8.8	9.2				9.2	900
06-08	1.3	10.9		.6		11.3	16.8	.7			17.2	900
09-11	1.2	11.0		.6	.1	11.6	11.9	3.9			15.7	900
12-14	1.1	8.4		.3		8.8	4.1	1.8		.2	6.1	900
15-17	.6	6.2		.4		6.6	2.4	.8		.1	3.3	900
18-20	1.0	7.0		.9		7.7	2.9	.8			3.7	900
21-23	.7	5.8		.7		6.3	4.4	.6			5.0	900
TOTALS	.9	7.9		.5	.0	8.3	7.3	1.1		.0	8.4	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.5	5.6				5.6	17.5	3.8			19.7	930
03-05	1.5	6.8				6.8	30.0	3.9			30.8	930
06-08	.9	8.6				8.6	41.0	7.8			43.9	930
09-11	.6	7.1				7.1	14.8	16.2			29.6	930
12-14	1.1	8.6				8.6	5.3	11.1			15.8	930
15-17	3.4	8.4				8.4	4.0	7.7			11.5	930
18-20	3.1	10.4				10.1	5.8	5.4			10.6	930
21-23	1.6	6.6				6.6	9.2	5.3			13.9	930
TOTALS	1.7	7.7				7.7	16.0	7.7			22.0	7440

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.4	3.1				3.1	10.7	12.0			20.8	900
03-05	1.1	4.4				4.4	28.6	11.4			35.8	900
06-08	.6	4.4			.1	4.4	41.7	23.1			56.1	900
09-11	.3	3.3				3.3	8.3	28.4			35.7	900
12-14	.7	2.6				2.8	1.6	20.4			21.3	900
15-17	5.1	5.8				5.8	1.9	16.7			18.2	900
18-20	4.2	4.4				4.4	2.8	15.4		.1	17.9	900
21-23	2.1	4.3				4.3	4.9	15.7			19.2	900
TOTALS	1.9	4.1			.0	4.1	12.6	17.9		.0	28.1	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	2.5	5.7				5.7	19.5	27.0			40.8	930
03-05	.9	4.2				4.2	34.6	27.7			52.8	930
06-08	.3	4.0				4.0	45.4	38.0			66.2	930
09-11	.8	4.2				4.2	9.6	45.1			52.8	930
12-14	2.2	6.2				6.2	3.7	36.5			39.8	930
15-17	6.1	7.5				7.5	2.5	31.9			34.2	930
18-20	4.3	6.0				6.0	2.5	29.7			31.7	930
21-23	4.0	6.1				6.1	5.8	29.7			34.0	930
TOTALS	2.6	5.5				5.5	15.5	33.2			44.3	7440

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.8	3.6				3.8	18.0	29.4			41.1	930
03-05	.8	4.3				4.3	33.5	28.4			50.8	930
06-08	.1	4.4				4.4	55.9	32.6			70.1	930
09-11	.3	3.3				3.3	14.7	44.6			55.5	930
12-14	1.4	2.7				2.7	2.8	37.7			40.1	930
15-17	3.8	5.5				5.5	2.0	32.7			34.5	930
18-20	3.0	5.6				5.6	4.2	30.4			34.1	930
21-23	1.5	4.8				4.8	8.0	29.4			35.6	930
TOTALS	1.5	4.3				4.3	17.4	33.2			45.2	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.7	3.1				3.1	17.1	6.7			23.1	900
03-05	.2	4.0				4.0	32.3	5.0			36.6	900
06-08	.2	5.6				5.6	54.9	8.2			57.9	900
09-11	.3	6.7				6.7	22.2	25.4			45.2	900
12-14		5.9				5.9	5.8	17.9			23.4	900
15-17	1.2	5.8				5.8	4.0	11.7			15.7	900
18-20	.8	6.2				6.2	4.9	9.9			14.5	898
21-23	.3	3.6				3.6	7.7	9.6			16.3	897
TOTALS	.5	5.1				5.1	18.6	11.8			29.1	7195

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.4	6.7				6.7	15.3	2.8			17.3	930
03-05	.1	6.1				6.1	27.1	1.9			27.8	930
06-08	.3	7.3				7.3	40.6	2.8			41.4	930
09-11	.2	7.3				7.3	23.1	9.9			31.2	930
12-14	.1	7.5				7.5	8.4	6.7			13.7	930
15-17	.1	5.7				5.7	4.3	4.7			8.4	930
18-20	.1	5.9				5.9	5.8	4.4			9.5	930
21-23	.1	6.2				6.2	9.5	3.7			11.6	930
TOTALS	.2	6.6				6.6	16.8	4.6			20.1	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.4	14.4				14.4	19.8	1.8			21.6	900
03-05	.2	13.0				13.0	25.6	1.2			26.6	900
06-08		12.7		.4		13.1	34.6	2.3			36.0	900
09-11	.2	10.1		.6		10.7	27.9	9.9			36.7	900
12-14	.1	12.0		.6		12.3	13.1	8.3			21.4	900
15-17		12.2	.2	.3		12.6	13.2	3.9			17.1	900
18-20		11.4		.2	.2	11.9	13.6	3.1			16.7	900
21-23	.3	13.4		.3		13.7	14.9	1.9			16.7	900
TOTALS	.2	12.4	.0	.3	.0	12.7	20.3	4.1			24.1	7200

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.2	11.3	.3	1.5		13.1	15.4	.9			15.4	930
03-05		12.9	.2	1.8		14.8	18.6	1.2			18.6	930
06-08		12.9	.2	2.2		14.8	23.2	1.8			23.4	930
09-11		11.7	.3	1.5		13.4	24.4	4.9			27.4	930
12-14		11.5	.5	1.2		12.5	13.4	4.5			17.2	930
15-17		10.6	.4	.8		11.6	11.4	3.7			14.5	930
18-20		8.1	.3	.4		8.8	11.4	2.2			13.2	930
21-23		8.8	.4	1.2		10.4	12.7	1.2			13.5	930
TOTALS	.0	11.0	.3	1.3		12.4	16.3	2.5			17.9	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-87
MONTH: ALL

	HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN	ALL	.1	10.3	.8	6.2		16.8	18.7	4.5	.0	.0	22.6	7440
FEB		.2	11.1	.4	5.4		16.3	18.3	7.3	.1	.0	24.6	6768
MAR		.5	9.8	.0	2.0		11.5	10.8	1.8			12.4	7440
APR		.9	7.9		.5	.0	8.3	7.3	1.1		.0	8.4	7200
MAY		1.7	7.7				7.7	16.0	7.7			22.0	7440
JUN		1.9	4.1			.0	4.1	12.6	17.9		.0	28.1	7200
JUL		2.6	5.5				5.5	15.5	33.2			44.3	7440
AUG		1.5	4.3				4.3	17.4	33.2			45.2	7440
SEP		.5	5.1				5.1	18.6	11.8			29.1	7195
OCT		.2	6.6				6.6	16.8	4.6			20.1	7440
NOV		.2	12.4	.0	.3	.0	12.7	20.3	4.1			24.1	7200
DEC		.0	11.0	.3	1.3		12.4	16.3	2.5			17.9	7440
	TOTALS	.9	8.0	.1	1.3	.0	9.3	15.7	10.8	.0	.0	24.9	67643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 49-87
MONTH: ALL

MONTH	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/LOST TO VISION	TOTAL OBS
JAN	2.3	44.4	3.3	23.1	.1	56.2	44.6	35.9	.4		58.5	1177
FEB	5.3	46.4	2.1	17.9	.5	55.0	41.5	34.4	.2		57.6	1100
MAR	10.1	49.4	.2	11.7	.7	54.6	35.9	28.5	.1		58.3	1209
APR	14.3	46.1		1.9	1.3	46.6	28.7	18.3		.1	36.5	117[illegible]
MAY	21.3	44.7			1.1	44.7	43.8	31.2			53.0	1209
JUN	25.8	44.3			.8	44.3	47.7	46.7			61.1	1169
JUL	31.3	49.5			.3	49.5	54.3	55.0			69.5	1209
AUG	21.4	42.7			.6	42.7	62.6	59.0			74.4	1209
SEP	9.7	37.2			.1	37.2	60.5	47.1			68.6	1169
OCT	4.7	33.7		.1	.1	33.7	54.2	43.2			65.3	1177
NOV	3.3	41.9	.2	8.2		45.0	47.2	36.7			61.2	1140
DEC	1.7	43.4	1.4	15.6	.3	50.7	42.8	35.1			58.[illegible]	1165
TOTALS	12.6	43.6	.6	6.5	.5	46.7	47.0	39.3	.1	.0	59.5	14103

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          BBBBBBBB
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          BBBBBBBBB
PP      PP    AA      AA    RR      RR        TT              BB      BB
PP      PP    AA      AA    RR      RR        TT              BB      BB
PPPPPPPPP     AA      AA    RRRRRRRRR         TT              BBBBBBBBB
PPPPPPPP      AAAAAAAAAA    RRRRRRRR          TT              BBBBBBBBB
PP            AAAAAAAAAA    RR    RR          TT              BB      BB
PP            AA      AA    RR     RR         TT              BB      BB
PP            AA      AA    RR      RR        TT              BBBBBBBBB
PP            AA      AA    RR       RR       TT              BBBBBBBBB
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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

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)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02 TO .05	.06 TO .10	.11 TO .25	.26 TO .50	.51 TO 1.00	1.01 TO 2.50	2.51 TO 5.00	5.01 TO 10.00	10.01 TO 20.00	OVER 20.00	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	43.6	17.2	2.8	6.0	5.0	7.8	7.3	7.9	2.2	.2				39.2	1279	4.40	11.74	.95
FEB	44.7	14.8	3.0	6.3	4.3	7.4	9.4	6.7	3.4					40.5	1130	4.22	7.29	.74
MAR	45.2	14.1	1.9	7.2	3.9	8.4	8.4	6.9	3.7	.4				40.7	1240	5.05	10.42	1.69
APR	53.3	10.2	2.7	6.2	5.6	7.2	6.6	5.7	2.3	.2				36.5	1200	3.72	7.26	.39
MAY	55.4	9.4	1.7	5.9	4.7	8.0	6.7	5.6	2.5	.2				35.2	1240	3.86	10.96	.74
JUN	55.3	10.2	2.2	5.2	4.2	7.3	6.8	5.6	2.7	.2				34.4	1200	3.84	7.58	.69
JUL	50.7	12.3	2.4	5.2	4.0	7.9	7.7	6.0	3.7	.1				36.9	1240	4.47	10.05	.70
AUG	57.4	11.3	3.0	5.9	3.9	6.2	6.0	4.8	1.3	.3				31.3	1240	3.55	6.72	.77
SEP	62.7	9.5	2.7	4.7	4.3	4.7	4.1	5.2	1.9	.1				27.7	1200	2.86	6.98	.42
OCT	66.3	8.1	1.9	5.0	3.1	5.4	4.5	3.2	2.6					25.6	1239	2.96	6.67	TRACE
NOV	54.3	11.3	2.1	6.6	3.2	6.2	7.0	6.7	2.5	.2				34.4	1170	3.91	10.36	1.40
DEC	49.2	15.4	2.3	5.6	4.2	7.4	6.0	5.9	3.8	.2				35.4	1198	4.41	11.63	.45
ANN	53.2	12.7	2.4	5.6	4.2	7.0	6.7	5.8	2.7	.2				34.8	14476	46.62		

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72326[illegible] STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

24 HOUR AMOUNTS IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	.98	2.10	1.2[illegible]	.88	1.10	.96	1.18	.47	.55	.95	3.99	1.57	3.99
49	2.08	.75	1.06	1.25	.76	1.39	1.49	1.00	.90	2.09	.46	1.27	2.09
50	2.62	1.44	1.32	.43	1.07	.90	1.18	.90	.70	.46	.87	1.20	2.92
51	1.31	1.96	2.20	1.51	.32	1.25	.99	.68	.83	1.12	1.54	1.77	2.20
52	1.15	.44	1.20	.33	1.03	.86	.83	1.86	.62	.25	2.27	1.65	2.27
53	.74	1.30	1.30	1.13	1.85	.70	1.02	.55	1.10	.33	.95	1.44	1.85
54	3.77	1.56	1.31	.75	1.18	1.25	2.05	.30	.46	.21	1.63	1.30	3.77
55	.45	1.82	.95	1.00	.83	1.22	1.37	.60	1.01	2.07	.74	1.12	2.07
56	.82	1.93	1.07	1.68	.79	1.67	1.00	.36	.76	.83	1.02	3.06	3.06
57	2.92	1.66	.76	2.32	1.40	1.90	.36	1.20	1.85	1.35	2.03	1.77	2.92
58	.80	.49	1.00	1.10	1.15	.72	1.04	.63	.72	.49	1.27	.96	1.27
59	1.43	1.20	1.67	1.29	.93	.77	.61	3.25	.65	1.07	2.60	1.26	3.25
60	.80	1.27	1.93	.58	.51	.95	1.04	.90	1.23	1.64	.72	1.38	1.93
61	.90	2.10	1.94	.71	1.44	1.24	.64	.92	.28	2.37	1.05	2.46	2.46
62	.97	2.46	.61	2.19	.80	1.70	4.33	.76	2.46	.98	1.18	1.01	4.33
63	.99	1.66	3.25	1.55	1.32	.67	1.58	1.05	.95	TRACE	1.62	.79	3.25
64	1.50	1.14	1.46	1.82	1.21	.51	1.37	2.90	.55	.61	.75	1.13	2.90
65	1.66	.78	2.45	1.64	.93	1.66	1.00	.72	.75	.50	1.39	.29	2.45
66	.90	1.41	1.16	.62	1.23	1.32	1.36	1.30	1.26	2.26	1.68	1.14	2.26
67	.87	1.27	2.92	.91	1.01	2.59	2.04	1.60	1.32	.52	2.26	1.99	2.92
68	1.17	.39	1.17	.77	.82	.75	.55	.51	1.42	1.12	.37	.93	1.42
69	1.50	1.55	1.21	.34	.50	1.82	1.04	3.02	1.90	.47	1.17	4.70	4.70
70	1.15	.59	1.11	2.02	.32	.81	.95	.95	.81	2.10	.36	2.41	2.41
71	1.62	1.38	.76	1.34	1.67	.61	2.18	1.19	1.21	.77	.67	*1.23	2.18
72		.74	1.02	1.04	1.18	2.92	1.28	.75	1.38	1.75	.86	2.01	
73	.86	.87	4.04	1.45	1.96	1.65	.76	1.28	1.17	1.85	2.28	1.50	4.04
74	1.20	1.70	1.36	2.24	3.36	1.34	1.26	.82	.70	1.68	1.50	1.34	3.36
75	1.24	.85	2.43	.95	.81	.47	.88	.70	1.23	1.10	1.59	1.05	2.43
76	1.74	1.33	1.15	.14	1.63	1.67	1.53	1.07	1.10	1.39	2.46	.92	2.46
77	.80	.73	2.05	3.13	.60	1.21	.34	1.43	2.52	1.67	1.21	1.05	3.13

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

24 HOUR AMOUNTS IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	1.50	.27	.86	1.15	1.35	2.71	1.67	.48	.42	.23	.85	2.22	2.71
79	2.02	.72	1.51	.98	2.30	1.34	1.48	.72	1.02	.69	1.75	.64	2.30
80	1.71	.56	2.65	1.45	1.64	.95	1.17	.90	.75	.70	.93	1.18	2.65
81	.42	.86	1.43	1.05	.58	1.68	.70	1.18	2.36	1.33	.67	.65	2.36
82	1.89	1.22	1.46	.93	2.24	1.15	1.89	.77	1.10	1.28	1.60	1.19	2.24
83	.57	.82	.65	3.19	1.15	1.13	.92	3.00	.56	1.39	.95	1.42	3.19
84	.76	1.24	1.27	.89	2.72	2.43	1.60	.54	.45	1.17	.81	.61	2.72
85	.83	1.89	.43	1.12	.48	1.21	.90	1.56	.15	1.19	1.52	.91	1.89
86	.55	1.72	.58	.65	.58	.28	1.00	1.00	1.72	1.38	.68	1.75	1.75
87	1.67	.97	.80	.56	1.75	.78	1.01	.76	1.10				
MEAN	1.294	1.220	1.460	1.227	1.213	1.255	1.245	1.115	1.051	1.112	1.339	1.465	2.721
S.D.	.708	.542	.776	.692	.654	.616	.661	.737	.566	.627	.733	.781	.779
TOTAL OBS	1209	1130	1240	1200	1240	1200	1240	1240	1200	1209	1172	1198	14476

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-97

TOTAL MONTHLY PRECIPITATION IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	3.57	6.38	5.19	2.67	3.28	3.47	5.91	1.71	1.52	1.27	10.36	5.61	51.14
49	6.81	2.86	5.06	4.04	2.57	3.22	5.52	5.07	2.38	6.67	1.51	3.03	48.74
50	9.39	5.72	5.17	1.06	5.42	3.10	7.43	4.37	1.75	1.55	2.48	3.07	50.51
51	5.02	4.80	7.46	5.33	1.29	5.81	4.06	1.30	4.37	2.92	4.96	5.43	52.73
52	4.56	2.11	3.87	1.12	3.32	1.98	2.64	4.57	1.94	.63	5.27	3.99	36.00
53	4.12	6.22	4.22	4.23	4.50	3.02	3.74	.88	2.93	.68	1.65	3.36	39.55
54	11.74	3.14	4.67	2.24	3.55	2.32	3.34	.77	1.30	.64	3.43	5.97	43.38
55	1.63	5.62	5.39	3.77	3.51	3.65	3.97	1.93	2.48	3.20	3.31	2.73	41.10
56	3.19	8.29	4.58	5.07	3.27	2.69	4.54	1.45	1.66	2.59	1.98	8.06	47.36
57	9.58	7.86	2.26	4.56	3.53	5.86	.70	4.07	6.98	3.43	7.45	5.16	61.44
58	2.13	2.81	4.29	5.41	4.78	2.01	5.57	2.83	1.49	.68	3.06	2.19	37.25
59	4.09	4.76	4.12	4.17	3.53	2.78	2.97	4.91	.93	5.70	4.68	4.[illegible]	45.27
60	3.39	3.[illegible]	4.76	1.83	1.12	4.89	2.36	3.72	4.58	4.34	2.55	3.61	4[illegible].17
61	2.55	7.83	7.67	2.50	4.18	4.54	3.49	3.04	.50	3.41	3.04	11.63	54.51
62	6.22	7.96	4.13	3.84	1.88	5.05	7.82	2.08	5.13	2.20	4.60	3.67	54.56
63	4.27	3.54	9.92	3.63	4.51	3.32	4.92	3.64	2.37	TRACE	5.23	2.66	48.14
64	4.71	4.29	5.75	6.98	3.96	.97	3.70	5.75	1.10	2.10	2.80	4.02	45.93
65	3.94	3.25	9.31	4.16	3.13	4.84	3.49	2.18	2.48	1.08	2.50	.45	4[illegible].61
66	3.88	4.66	2.72	2.88	2.92	2.27	5.44	4.09	4.41	4.80	5.12	2.66	45.87
67	2.67	4.58	4.08	2.00	4.10	6.53	10.09	4.06	2.70	2.33	5.57	6.95	55.66
68	4.13	.74	4.78	4.12	3.01	3.97	2.57	1.29	2.53	3.40	2.00	3.22	35.76
69	4.11	5.54	2.89	2.41	1.33	7.58	3.51	6.72	3.03	1.56	2.56	7.74	48.98
70	3.24	2.36	3.18	7.20	.74	4.26	3.11	4.89	2.75	5.33	1.47	4.67	43.43
71	5.23	4.93	4.21	3.87	3.78	3.73	8.76	3.05	3.41	1.98	2.21	*4.46	*49.42
72		4.19	4.98	2.54	4.49	5.02	6.76	1.61	4.70	5.99	3.36	7.[illegible]	
73	3.24	2.54	10.24	5.15	5.71	5.26	4.38	2.31	3.28	3.48	5.01	7.38	58.[illegible]
74	7.05	5.24	6.15	5.77	10.98	2.70	2.92	3.14	3.33	2.35	5.18	4.52	59.33
75	4.68	4.68	10.42	2.43	2.98	2.43	2.25	1.61	3.28	4.02	2.92	3.59	45.27
76	3.86	2.18	5.22	.39	5.53	3.46	3.75	1.98	2.87	5.33	3.45	4.42	42.44
77	2.55	1.52	6.08	6.96	1.16	6.49	1.08	5.78	6.91	4.04	5.06	3.30	5[illegible].93

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

TOTAL MONTHLY PRECIPITATION IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	5.22	1.01	4.42	4.10	3.44	5.27	5.06	2.44	1.26	.82	3.62	5.91	42.57
79	6.18	4.17	4.21	4.30	7.21	3.60	9.47	2.29	2.64	1.97	5.73	1.92	53.69
80	5.54	1.78	8.72	3.30	3.80	1.94	3.57	2.34	2.39	1.53	3.78	1.79	4[illegible].46
81	1.[illegible]5	3.62	2.83	4.84	3.02	5.53	2.03	3.48	6.09	4.15	3.11	4.14	43.79
82	6.03	4.96	6.36	3.26	5.52	3.93	6.60	2.68	2.68	2.66	5.21	4.69	54.7[illegible]
83	1.58	2.90	1.95	5.89	5.42	3.26	3.18	3.89	.95	3.34	4.40	5.69	42.46
84	2.26	4.42	3.79	3.37	10.14	4.34	9.03	1.72	.85	3.26	2.87	2.49	48.54
85	3.17	4.11	1.98	2.86	1.60	4.77	2.63	4.07	.42	3.04	5.39	2.36	36.40
86	.95	3.9[illegible]	1.69	2.25	2.40	.69	1.89	3.37	3.59	3.84	3.83	4.08	32.45
87	4.68	4.63	2.91	2.18	4.62	2.66	4.67	1.08	1.93				
MEAN	4.403	4.217	5.045	3.715	3.881	3.835	4.473	3.754	2.797	2.861	3.910	4.416	46.468
S.D.	2.282	1.952	2.261	1.620	2.110	1.543	2.291	1.482	1.614	1.623	1.760	2.135	7.163
TOTAL OBS	1209	1130	1240	1200	1240	1200	1240	1240	1200	1209	1172	1198	14476

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

MONTH	NONE	TRACE	.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
	AMOUNTS IN INCHES																	
JAN	76.3	15.1	2.8	2.4	1.0	1.2	.3	.5	.3					6.6	1209	4.8	16.1	.0
FEB	82.2	11.7	1.2	1.6	.7	1.3	.4	.6	.2		.1			6.1	1130	4.3	20.3	.0
MAR	88.3	8.0	1.4	1.0	.6	.4		.2	.2					3.7	1240	1.7	20.2	.0
APR	98.2	1.4	.1		.1		.2			.1				.4	1200	.5	10.7	.0
MAY	100.0														1240	.0	.0	.0
JUN	100.0														1200	.0	.0	.0
JUL	100.0														1240	.0	.0	.0
AUG	100.0														1240	.0	.0	.0
SEP	100.0														1200	.0	.0	.0
OCT	99.9	.1													1209	TRACE	TRACE	.0
NOV	92.1	7.0	.3	.3	.1			.2			.1			.9	1170	.8	16.4	.0
DEC	84.5	12.3	.8	1.1	.5	.3	.3	.1	.2					3.3	1198	1.8	15.2	TRACE
ANN	93.5	4.6	.5	.5	.2	.3	.1	.1	.1	.0	.0			1.9	14476	13.9		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-97

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	3.5	2.6	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.5
49	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.6
50	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	5.5	1.1	5.5
51	TRACE	1.8	.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.8
52	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	16.0	TRACE	16.0
53	1.3	6.9	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.9
54	2.1	4.9	2.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.9
55	2.8	2.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.6
56	3.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.5	.4	3.0
57	TRACE	.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	3.1
58	.3	6.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0	6.4
59	2.5	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	.6	3.7	3.7
60	8.5	17.5	8.7	TRACE	.0	.0	.0	.0	.0	.0	.0	1.5	17.5
61	2.5	2.5	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	2.5
62	9.4	TRACE	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.0	9.4
63	3.2	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	4.9	6.7	6.7
64	6.0	5.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.0
65	6.0	5.7	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.0
66	9.9	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	3.1	9.9
67	2.0	3.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.3
68	3.3	3.4	1.0	.0	.0	.0	.0	.0	.0	.0	.3	TRACE	3.4
69	.4	4.2	2.9	.0	.0	.0	.0	.0	.0	.0	TRACE	7.0	7.0
70	3.1	2.6	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.2	6.2
71	.9	4.4	1.7	3.5	.0	.0	.0	.0	.0	.0	TRACE	*TRACE	4.4
72		3.5	6.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
73	7.3	TRACE	1.5	TRACE	.0	.0	.0	.0	.0	.0	.0	1.5	7.3
74	TRACE	TRACE	1.8	.0	.0	.0	.0	.0	.0	.0	TRACE	1.3	1.6
75	1.2	TRACE	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.5
76	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0	1.0	1.2	2.8
77	4.6	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	4.6

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 49-87

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
76	4.6	2.[illegible]	1.8	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.6
79	2.7	5.7	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7
8[illegible]	.4	5.6	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.6
81	4.0	1.7	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	4.0
82	1.6	.1	1.1	TRACE	.0	.0	.0	.0	.0	.0	.0	2.5	2.5
83	1.0	3.4	.4	2.0	.0	.0	.0	.0	.0	.0	.0	.5	3.4
84	1.7	1.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.6
85	6.3	8.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	8.1
86	3.6	5.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.0
87	5.5	TRACE	1.2	10.5	.0	.0	.0	.0	.0				
MEAN	3.02	2.93	1.12	.45	.00	.00	.00	.00	.00	TRACE	.74	1.26	5.34
S.D.	2.692	3.323	1.932	1.755	.000	.000	.000	.000	.000	.000	2.765	1.964	3.487
TOTAL OBS	1209	1130	1240	1200	1240	1200	1240	1240	1200	1209	1170	1198	14476

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
	-M-O-N-T-H-S-												
48	9.1	2.8	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	11.9
49	2.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
50	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	5.5	2.4	7.9
51	TRACE	1.8	1.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0
52	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	18.2	TRACE	18.2
53	2.0	8.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.1
54	2.1	4.9	2.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	9.7
55	3.4	2.8	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.2
56	7.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.6	.4	9.0
57	TRACE	.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	3.7
58	.3	10.3	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.3	14.9
59	2.5	TRACE	.7	.0	.0	.0	.0	.0	.0	.0	.6	3.7	7.1
60	8.9	23.3	20.2	TRACE	.0	.0	.0	.0	.0	.0	.2	1.0	54.4
61	5.4	3.4	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.5	13.4
62	15.1	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	6.9	23.9
63	4.2	7.2	TRACE	.0	.0	.0	.0	.0	.0	.0	5.9	12.2	30.5
64	8.5	5.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	13.7
65	6.3	6.9	4.4	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	17.6
66	14.2	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	3.1	17.8
67	2.2	5.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	7.9
68	5.9	4.7	1.9	.0	.0	.0	.0	.0	.0	.0	.3	TRACE	12.8
69	.5	7.7	5.2	.0	.0	.0	.0	.0	.0	.0	TRACE	8.9	22.3
70	12.9	4.6	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	6.3	23.8
71	1.3	6.4	3.6	7.0	.0	.0	.0	.0	.0	.0	TRACE	*TRACE	*16.3
72		4.2	6.7	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	
73	9.0	TRACE	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	1.0	12.9
74	TRACE	TRACE	1.8	.0	.0	.0	.0	.0	.0	.0	TRACE	1.6	3.4
75	1.3	TRACE	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.8
76	.3	2.8	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.1	6.2
77	7.9	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	.6	8.8

NOTE * (BASED ON LESS THAN FULL MONTH)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
						-M-O-N-T-H-S-							
78	11.3	5.5	1.8	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	18.6
79	4.7	18.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	23.1
80	.5	11.0	3.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.0
81	5.0	2.5	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	7.6
82	4.4	.1	1.1	TRACE	.0	.0	.0	.0	.0	.0	.0	3.0	8.6
83	1.1	3.4	.7	2.0	.0	.0	.0	.0	.0	.0	.0	.7	7.9
84	2.8	3.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	6.3
85	14.2	8.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	22.9
86	3.6	5.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	8.6
87	7.5	TRACE	1.6	10.7	.0	.0	.0	.0	.0				
MEAN	4.81	4.27	1.67	.49	.00	.00	.00	.00	.00	TRACE	.83	1.76	13.36
S.D.	4.462	5.019	3.434	2.011	.000	.000	.000	.000	.000	.000	3.127	2.525	9.879
TOTAL OBS	1209	1130	1240	1200	1240	1200	1240	1240	1200	1209	1170	1198	14476

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGR KNOXVILLE TN PERIOD OF RECORD: 48-67

AMOUNTS IN INCHES

MONTH	NONE	TRACE	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60	61 TO 120	OVER 120	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	79.7	9.5	5.3	2.2	1.4	1.3	.7							10.9	1209			
FEB	84.7	8.7	2.7	1.6	1.8	1.2	.4	.1						7.7	1130			
MAR	95.[illegible]	3.2	.7	.4	.1	.6								1.8	1239			
APR	99.6	.1		.1		.2	.1							.3	1200			
MAY	100.0														1240			
JUN	100.0														1200			
JUL	100.0														1240			
AUG	100.0														1240			
SEP	100.0														1200			
OCT	100.0														1239			
NOV	97.9	1.3	.3	.2	.1	.3	.1							.9	1170			
DEC	92.3	4.9	1.2	.8	.4	.4								2.8	1198			
ANN	95.7	2.2	.8	.4	.3	.3	.1	.0						2.2	14475			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
						-M-O-N-T-H-S-							
48	4	3	0	0	0	0	0	0	0	0	0	0	4
49	1	TRACE	TRACE	0	0	0	0	0	0	0	0	0	1
50	0	0	TRACE	0	0	0	0	0	0	0	5	1	5
51	TRACE	1	1	0	0	0	0	0	0	0	TRACE	TRACE	1
52	TRACE	0	0	0	0	0	0	0	0	0	10	0	10
53	1	3	0	0	0	0	0	0	0	0	0	TRACE	3
54	TRACE	TRACE	6	0	0	0	0	0	0	0	0	TRACE	6
55	1	2	0	0	0	0	0	0	0	0	0	0	2
56	4	0	0	0	0	0	0	0	0	0	TRACE	TRACE	4
57	TRACE	0	TRACE	0	0	0	0	0	0	0	0	1	1
58	TRACE	3	TRACE	0	0	0	0	0	0	0	0	0	3
59	2	0	TRACE	0	0	0	0	0	0	0	TRACE	1	2
60	4	15	6	0	0	0	0	0	0	0	0	0	15
61	1	1	TRACE	0	0	0	0	0	0	0	0	0	2
62	9	0	1	0	0	0	0	0	0	0	0	2	9
63	3	3	0	0	0	0	0	0	0	0	1	6	6
64	9	2	TRACE	0	0	0	0	0	0	0	0	0	9
65	4	5	1	0	0	0	0	0	0	0	0	0	5
66	10	6	TRACE	0	0	0	0	0	0	0	TRACE	3	10
67	1	3	0	0	0	0	0	0	0	0	0	TRACE	3
68	2	2	2	0	0	0	0	0	0	0	TRACE	TRACE	2
69	TRACE	4	TRACE	0	0	0	0	0	0	0	TRACE	5	5
70	3	0	TRACE	0	0	0	0	0	0	0	0	TRACE	3
71	3	4	1	2	0	0	0	0	0	0	0	*0	4
72		TRACE	*TRACE	0	0	0	0	0	0	0	0	0	
73	7	TRACE	0	0	0	0	0	0	0	0	0	1	7
74	0	0	TRACE	0	0	0	0	0	0	0	TRACE	1	1
75	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	0	0	TRACE
76	TRACE	3	0	0	0	0	0	0	0	0	TRACE	TRACE	3
77	3	0	0	0	0	0	0	0	0	0	TRACE	TRACE	3

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

DAILY SNOW DEPTH IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	4	1	1	0	0	0	0	0	0	0	0	0	4
79	3	6	TRACE	0	0	0	0	0	0	0	1	0	6
80	TRACE	4	4	1	0	0	0	0	0	0	0	0	4
81	TRACE	1	0	0	0	0	0	0	0	0	0	TRACE	1
82	3	0	TRACE	0	0	0	0	0	0	0	0	0	3
83	TRACE	2	TRACE	0	0	0	0	0	0	0	0	TRACE	2
84	2	3	0	0	0	0	0	0	0	0	0	0	3
85	7	6	0	0	0	0	0	0	0	0	0	TRACE	8
86	2	4	0	0	0	0	0	0	0	0	0	0	4
87	4	0	TRACE	0	0	0	0	0	0				
MEAN	2.5	2.3	.6	.2	.0	.0	.0	.0	.0	.0	.4	.0	4.3
S.D.	2.761	2.915	1.482	1.143	.000	.000	.000	.000	.000	.000	1.773	1.436	3.198
TOTAL OBS	1209	1130	1239	1200	1240	1200	1240	1240	1200	1239	1170	1198	14475

NOTE * (BASED ON LESS THAN FULL MONTHS)

```
PPPPPPPP          AAAAAA        RRRRRRRR        TTTTTTTTTT                CCCCCC
PPPPPPPPP        AAAAAAAA       RRRRRRRRR       TTTTTTTTTT               CCCCCCCC
PP      PP      AA      AA      RR      RR          TT                  CC      CC
PP      PP      AA      AA      RR      RR          TT                  CC
PPPPPPPPP       AA      AA      RRRRRRRRR           TT                  CC
PPPPPPPP        AAAAAAAAAA      RRRRRRRR            TT                  CC
PP              AAAAAAAAAA      RR    RR            TT                  CC
PP              AA      AA      RR     RR           TT                  CC      CC
PP              AA      AA      RR      RR          TT                   CCCCCCCC
PP              AA      AA      RR       RR         TT                    CCCCCC
```

SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 72-87

DAILY PEAK GUSTS IN KNOTS
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
72									N 26	NE 28	SW 32	W 37	
73	SW 39	W 33	W 36	W 36	NW 37	S 35	NE 36	NE 31	SW 30	SW 24	NW 38	W 47	W 47
74	NW 43	W 40	NW 47	W 48	W 47	W 38	NE 26	W *27	W 26	N 17	SW 32	S 51	S 51
75	S 52	N 38	E 42	SW 41	W 26	NE 42	SE 29	SW 28	NE 33	SW 34	S 47	W 35	S 52
76	W 52	W 45	SW 49	SW 39	SW 34	NW 36	N 60	SW 36	W 30	SW 27	SW 28	SW 35	N 60
77	SW 43	W 38	W 39	W 42	SW 22	NW 39	SW 31	S 43	SW 22	NW 32	W 34	SW 43	S 43
78	W 45	W 38	W 38	SW 42	S 34	NW 39	NW 36	NW 32	W 30	NW 26	SW 30	SW 37	W 45
79	NW 34	W 32	SW 34	W 36	W 43	W 41	S 27	S 37	S 37	SE 29	W 38	W 32	W 43
80	SW 34	W 52	W 42	SW 42	NW 31	SW 24	SE 42	SW 30	NW 22	SW 26	W 27	SW 28	W 52
81	SW 27	SW 34	W 33	W 57	W 37	SW 42	NE 32	SW 22	SW 18	W 34	W 29	SW 34	W 57
82	NW 52	W 27	SW 34	SW 44	NW 46	SE 37	NW 46	S 23	NW 24	NE 22	SW 39	NW 37	NW 52
83	SW 37	SW 35	SW 42	SW 40	SW 37	S 28	NW 52	NW 49	NE 23	NW 36	W 32	W 41	NW 52
84	W 34	SW 38	NW 40	W 42	NW 41	S 33	NW 34	SW 23	NW 28	SW 25	NW 30	W 33	W 42
85	SW *37	SW 32	W 36	W 51	SW 41	NE 44	NE 40	N 28	SE 26	W 25	SW 27	SW 32	W 51
86	SW 31	SW 35	SW *14	SW 26	W 19	SE 22	SW 23	NW 29	SW 16	SW 20	SW 24	W 17	SW 35
87	W 32	W 24	SW 26	SE 27	SW 26	W 29	N 32	S 30	NW 25				
MEAN	38.9	35.9	37.9	40.3	34.3	35.1	36.2	31.5	26.0	27.1	32.2	35.7	48.9
S.D.	8.232	6.871	5.456	7.126	7.977	6.632	10.455	7.643	5.367	5.617	5.294	8.024	5.467
TOTAL OBS	459	422	446	452	465	447	464	459	478	464	447	464	5459

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	4.2	4.4	.5								10.1	6.6
NNE	.5	4.7	2.6	.4								8.3	6.3
NE	1.2	4.9	4.6	.4	.1							11.3	6.5
ENE	1.1	4.1	1.3	.1								6.6	5.0
E	.5	1.5										2.0	4.2
ESE	.5	1.0	.1	.1								1.7	4.8
SE	.2	.5										.8	3.7
SSE	.5	.4										1.0	3.7
S	.3	.6	.2	.2								1.4	6.3
SSW	.6	2.0	.8	.3								3.8	6.0
SW	.9	1.5	3.2	1.1								6.7	7.7
WSW	.6	4.5	4.1	1.9		.2						11.4	7.6
W	1.0	2.9	5.2	3.0	.2	.1						12.4	8.6
WNW	.2	1.2	1.7	.8	.2							4.1	8.4
NW	.5	1.7	.5	.1								2.9	5.3
NNW	.5	1.2	.6	.1								2.5	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.2	//////
TOTALS	10.3	37.1	29.4	9.1	.5	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	4.1	2.8	.2								8.5	5.8
NNE	.9	3.1	4.2	.6								8.8	6.9
NE	1.1	7.4	3.3	.6								12.5	6.0
ENE	1.7	4.6	2.0	.1								8.5	5.3
E	.4	1.6	.2	.1								2.4	4.8
ESE	.2	.5										.8	3.7
SE	.4	1.3	.4									2.2	4.9
SSE	.1	.4	.1									.6	4.8
S	.1	.8	.3	.1	.1	.1						1.5	8.2
SSW	.2	2.3	1.2	.8	.1							4.5	7.4
SW	.2	2.9	2.6	1.5	.1							7.5	8.0
WSW	.5	3.8	3.1	.9	.2							8.5	7.2
W	.3	2.3	3.7	2.7	.2	.2						9.4	9.1
WNW		1.6	1.5	1.2	.3							4.6	9.3
NW	.4	1.7	.8	.2								3.1	5.6
NNW	.5	2.0	.4	.1								3.1	5.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.5	//////
TOTALS	8.6	40.4	26.9	9.1	1.1	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	4.9	2.9	.2								9.2	5.8
NNE	.9	5.1	2.7	.6								9.2	6.1
NE	1.3	8.4	3.7	.9								14.2	6.0
ENE	1.0	5.6	1.0	.3								7.8	5.2
E	.6	1.7	.2									2.6	4.4
ESE	.4	.9										1.3	4.1
SE	.5	.3	.1									1.0	4.0
SSE	.2	.3										.5	4.2
S	.3	.4	.1	.1	.2							1.2	8.1
SSW	.3	.9	.5	.5	.1							2.4	7.9
SW	.9	2.7	3.0	2.0	.3							9.9	8.2
WSW	.4	3.2	3.0	1.4	.1		.1					8.3	7.8
W	.5	3.4	4.4	2.4	.4	.1	.1					11.4	6.6
WNW	.5	1.3	1.3	1.7								4.8	8.6
NW	.7	1.1	.8	.3								2.5	7.0
NNW	.1	1.4	.6	.1								2.3	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.4	//////
TOTALS	9.6	41.6	24.3	10.6	1.2	.1	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	2.9	2.0	.2								5.7	6.1
NNE	.8	3.2	4.0	.3								8.3	6.6
NE	.8	6.7	5.5	1.6								14.5	6.9
ENE	1.0	4.8	3.0	1.4								10.2	6.5
E	.5	1.9	.3	.1								2.9	5.1
ESE	.3	1.1										1.4	4.2
SE	.1	.5										.6	4.0
SSE	.3	.3	.1									.8	4.7
S	.3	.9	.1	.3	.2							1.8	7.2
SSW	.2	1.7	.9	.8								3.5	7.3
SW	.9	2.4	2.8	3.4	.4	.2						10.1	9.6
WSW	.8	3.2	3.3	2.3	.8							10.3	8.8
W	.1	3.1	3.2	2.5	.3	.2	.1					9.6	9.3
WNW	.5	1.7	.9	1.0								4.1	7.3
NW	.8	1.5	1.3	.3								3.9	6.2
NNW	.2	1.0	.1	.3								1.6	6.6
VARIABLE													
CALM												10.6	
TOTALS	8.1	37.2	27.5	14.5	1.7	.4	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	4.7	2.3	.1								7.8	5.8
NNE	.6	1.4	1.4	.5								4.0	6.8
NE	.5	3.9	4.0	1.6								10.0	7.5
ENE	.6	4.2	1.6	.6								7.1	6.0
E	.4	2.3	.9									3.5	5.2
ESE	.3	1.2										1.5	4.2
SE	.2	.4										.6	4.2
SSE	.2	.4										.6	3.8
S	.2	1.3		.1	.2							1.8	6.2
SSW	.4	1.4	1.5	1.2	.3							4.8	8.6
SW	.9	2.2	2.7	3.1	1.8	.3						11.0	10.7
WSW	.1	3.1	4.3	2.5	1.0	.5						11.5	9.9
W	.9	3.4	3.9	3.5	.8	.1						12.6	9.1
WNW	1.0	1.5	2.2	1.5	.1							6.2	8.1
NW	.6	1.4	1.1	.5								3.7	6.4
NNW	.5	2.2	1.1									3.8	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	9.4	//////
TOTALS	8.4	34.9	26.8	15.4	4.2	1.0						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	3.2	2.0	.8								7.2	6.5
NNE	.3	2.6	2.6	.9								6.3	7.2
NE	.6	4.5	2.7	.9								8.7	6.5
ENE	.6	4.3	1.5	.4								6.9	6.0
E	.4	1.2	.3									1.9	4.9
ESE	.2	1.1										1.3	4.2
SE	.2	.2										.4	3.5
SSE	.2	.6										.9	4.6
S	.1	.8	.3		.1							1.3	6.5
SSW	.2	1.7	1.6	1.0								4.5	8.0
SW	.3	2.9	4.7	2.7	.6	.2						11.5	9.3
WSW	.4	2.7	3.8	4.2	1.0	.1						12.2	10.1
W	.2	3.7	4.9	3.5	.6	.1						13.1	9.2
WNW	.9	2.2	1.9	2.5								7.4	8.3
NW	.8	1.7	.5	.8								3.8	6.5
NNW	.4	2.0	.5	.3								3.3	5.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	9.2	//////
TOTALS	7.2	35.4	27.5	17.8	2.4	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	4.4	3.7	.8								9.2	6.9
NNE	.6	3.1	2.8	.5								7.1	6.6
NE	.4	4.4	3.2	.8								8.8	6.6
ENE	.3	4.1	1.5	.3								6.2	5.8
E	.8	1.9	.1									2.8	4.3
ESE	.4	.5	.1									1.1	4.1
SE	.5	.8	.1									1.4	4.1
SSE	.1	.3										.4	4.0
S	.5	1.5	.4	.1								2.6	5.3
SSW	.1	2.7	1.2									4.0	5.5
SW	1.4	3.8	2.9	1.3	.1							9.5	6.9
WSW	1.1	3.9	3.3	1.6	.9							10.8	8.0
W	.4	2.6	6.1	3.7	.2							13.0	9.1
WNW	.3	1.7	3.1	1.9								7.1	8.5
NW	.5	1.5	.6	.4								3.1	6.6
NNW	.5	2.2	.3									3.0	4.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	9.9	//////
TOTALS	8.6	39.4	29.6	11.4	1.2							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	3.4	2.4	.8								7.4	6.6
NNE	.4	4.7	3.5	1.0								9.7	6.9
NE	.8	4.8	4.7	.2								10.5	6.5
ENE	1.1	4.7	1.2									7.0	5.1
E	.9	1.0		.1								1.9	4.1
ESE	.6	.2	.1									1.0	4.0
SE	.3	.1	.1									.5	4.2
SSE	.4	.3										.8	3.6
S	.2	.8	.2	.2								1.4	6.5
SSW	.4	1.3	.8	.2								2.7	6.1
SW	.4	3.9	2.0	.6								7.0	6.7
WSW	.4	4.1	3.9	1.6	.4	.1	.1					10.6	8.4
W	.5	3.4	6.1	2.7	.9							13.7	8.8
WNW	.2	1.7	1.8	1.4	.2							5.4	8.7
NW		1.4	.8	.3								2.5	6.5
NNW	.2	1.5	.8	.2								2.7	6.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.4	//////
TOTALS	7.7	37.4	28.4	9.4	1.5	.1	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	4.0	2.8	.4								8.2	6.3
NNE	.6	3.5	3.0	.6								7.7	6.6
NE	.8	5.6	4.0	.9	.0							11.3	6.5
ENE	.9	4.6	1.6	.4								7.5	5.7
E	.6	1.6	.3	.0								2.5	4.7
ESE	.4	.8	.0	.0								1.2	4.2
SE	.3	.5	.1									.9	4.2
SSE	.3	.4	.0									.7	4.2
S	.3	.9	.2	.1	.1	.0						1.6	6.6
SSW	.3	1.7	1.0	.6	.1							3.8	7.2
SW	.7	2.8	3.0	2.0	.4	.1						9.0	8.6
WSW	.6	3.6	3.6	2.0	.5	.1	.0					10.4	8.6
W	.5	3.1	4.7	3.0	.5	.1	.0					11.9	9.0
WNW	.5	1.6	1.8	1.5	.1							5.5	8.4
NW	.5	1.5	.8	.4								3.2	6.3
NNW	.4	1.7	.6	.1								2.8	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	11.7	//////
TOTALS	8.6	37.9	27.5	12.2	1.7	.3	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0000-0300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	5.4	3.3	.5								9.9	6.2
NNE	.6	6.4	2.6	.4	.1							10.0	6.1
NE	.9	6.5	6.1	.7								14.3	6.5
ENE	1.3	3.0	1.4	.1								5.8	5.2
E	1.1	1.5	.4									3.0	4.3
ESE	.5	.7	.1									1.3	4.3
SE	.5	.5	.2									1.2	4.6
SSE	.1	.7		.2								1.1	5.9
S	.5	1.1	.5	.1								2.1	5.4
SSW	.8	2.0	.9	.1								3.9	5.4
SW	.4	3.2	2.1	1.5								7.2	7.4
WSW	.5	3.1	1.7	2.1	.2							7.6	8.2
W	.5	2.8	2.8	1.1								7.2	7.5
WNW		1.1	1.5	.6								3.2	7.7
NW		1.8	.7	.1								2.6	6.2
NNW	.4	2.5	.6	.1								3.5	5.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.1	//////
TOTALS	8.6	42.2	25.1	7.7	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 046

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.5	5.0	3.5	.6								10.6	6.2
NNE	1.3	5.7	3.5	.2	.1							10.9	6.0
NE	.9	7.9	5.9	.7								15.5	6.4
ENE	1.3	5.4	.9	.6								8.3	5.3
E	1.2	1.9			.1							3.2	4.2
ESE	.2	.7	.1									1.1	4.7
SE	.5	.5										.9	3.5
SSE	.4	.5										.8	3.7
S	.2	.6	.1	.1								1.1	5.9
SSW	.4	.9	.6	.5								2.4	7.4
SW	.7	2.2	2.0	1.1								6.0	7.5
WSW	.5	2.7	2.1	1.4	.2							7.0	7.9
W	.6	2.6	3.2	1.2								7.6	7.5
WNW	.1	1.4	1.4	.2								3.2	6.8
NW	.2	1.4	1.1	.2								3.0	6.4
NNW	.7	1.5	.8	.2								3.3	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.2	//////
TOTALS	10.8	41.0	25.4	7.1	.5							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	5.3	2.7	.7								9.9	6.1
NNE	1.4	4.1	3.7									9.2	5.8
NE	.8	9.9	6.1	.5	.1							17.5	6.3
ENE	.8	6.3	1.7	.7								9.5	5.8
E	.7	2.1										2.8	4.2
ESE	.2	.5	.1									.8	4.4
SE	.2	.2	.1									.6	4.2
SSE	.2	.1		.1								.5	5.8
S	.6	.6	.4	.2								1.8	5.9
SSW	.1	.7	1.2	.1	.1							2.2	7.7
SW	.7	1.3	2.0	1.2	.5							5.7	8.6
WSW	.5	2.1	2.2	1.1	.4							6.3	8.4
W	.6	2.7	2.4	.5	.1							6.3	7.0
WNW	.2	1.1	1.1	.4	.2							3.0	8.2
NW	.6	1.4	1.2	.1								3.3	5.8
NNW	.9	1.9	.7	.1								3.7	5.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.0	//////
TOTALS	9.9	40.4	25.5	5.7	1.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	3.8	2.6									7.1	6.1
NNE	.2	4.4	4.1	1.4								10.2	7.4
NE	.8	6.9	7.4	1.4								16.5	7.2
ENE	.9	6.7	4.3	.8								12.8	6.4
E	.9	2.6	.4	.2								4.1	5.2
ESE	.4	.2	.2	.1								.9	5.5
SE	.2	.7	.1									1.1	5.0
SSE	.4	.1		.1								.6	5.2
S	.2	.6	.1	.1								1.1	5.3
SSW		.6	1.1	.5								2.1	8.4
SW	.9	1.4	2.7	2.1	.8							8.0	9.4
WSW	.5	1.5	2.1	2.7	.2		.1					7.2	9.8
W	.6	2.1	2.8	1.8	.8							8.2	9.2
WNW	.6	.8	1.2	.5								3.1	7.0
NW	.4	1.3	.9	.1								2.7	6.3
NNW	.6	1.4	.5	.5								3.0	6.1
VARIABLE													
CALM												11.3	
TOTALS	8.4	35.2	30.6	12.4	1.9		.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	4.1	2.6	.6								8.4	6.0
NNE	.7	3.0	3.5	.8								8.0	7.0
NE	.6	6.1	4.0	1.5								12.3	6.8
ENE	.9	3.4	2.4	.7								7.4	6.5
E	.7	2.6	.5									3.8	4.9
ESE	.2	.4	.1									.7	4.8
SE	.1	.1		.1								.4	6.3
SSE		.1	.1	.1	.1							.5	11.8
S	.5	.6	.5	.7								2.2	8.2
SSW	.5	.9	1.3	.7	.2	.1						3.8	8.5
SW	.7	.9	3.1	3.8	1.2	.2						9.9	11.0
WSW	.5	2.8	3.1	3.7	.9	.2						11.2	10.0
W	.2	3.0	3.0	2.6	.5	.1						9.3	9.2
WNW	.6	1.4	2.6	1.2								5.8	8.0
NW	.8	1.8	.8	.1								3.5	5.5
NNW	.6	1.5	.9	.2								3.3	6.0
VARIABLE													
CALM												9.3	
TOTALS	8.7	32.9	28.5	16.9	3.0	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.5	1.7	.2								6.3	5.7
NNE	.8	3.5	3.0	.6								7.9	6.6
NE	.6	4.7	4.3	1.5	.1							11.2	7.1
ENE	.7	3.4	2.7	.5								7.3	6.4
E	.5	3.1	.7	.2								4.5	5.7
ESE	.4	.7										1.1	3.8
SE		.7		.4	.1							1.2	8.6
SSE	.2	.6	.2	.4								1.4	7.3
S	.1	1.4	.5	.5	.4							2.8	8.9
SSW		.5	1.1	1.4	.2							3.2	10.9
SW	.8	2.7	3.0	1.9	.4	.1						8.9	8.6
WSW	.2	3.0	3.2	3.5	.8							10.8	9.8
W	.2	3.0	4.0	3.7	1.2							12.1	10.0
WNW	.4	1.7	2.6	1.5	.2	.1						6.5	8.9
NW	.9	2.6	1.4	.6								5.6	6.4
NNW	.2	1.5	.2	.2								2.2	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	7.1	//////
TOTALS	7.0	36.6	28.5	17.1	3.4	.2						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	4.4	4.6	.4								9.9	6.5
NNE	.1	3.0	2.5	1.2								6.7	7.3
NE	.2	6.3	3.7	.8								11.0	6.5
ENE	.9	6.4	2.6	.4								10.3	5.8
E	.5	3.3	.7									4.5	5.0
ESE	.4	1.2	.2	.1								1.9	5.0
SE	.2	.4	.2	.2								1.1	7.1
SSE	.4	.4	.1									.8	4.4
S	.4	1.5	.2									2.1	4.9
SSW	.5	3.1	1.3	.4								5.2	5.9
SW	.7	4.3	2.6	.6								8.2	6.4
WSW	.5	2.6	1.9	2.4	.1	.2						7.7	8.9
W	.4	3.5	3.0	2.6	.2							9.7	8.3
WNW	.2	1.9	1.8	1.1	.2							5.2	8.0
NW	.2	1.8	1.1	.5								3.5	7.0
NNW	.5	1.7	.9									3.1	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	9.1	//////
TOTALS	6.6	45.5	27.4	10.5	.6	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	4.8	4.5	.8								10.6	6.8
NNE	.5	4.7	3.8	.5								9.5	6.8
NE	1.1	5.6	4.6	1.2	.2							12.6	6.9
ENE	1.3	5.6	2.0	.2								9.1	5.4
E	.6	1.7	.5									2.7	4.8
ESE	.8	.5	.1									1.4	3.8
SE		.4	.2									.6	5.2
SSE	.1	.4		.4								.9	8.0
S	.1	.9	.6	.1								1.8	6.5
SSW	.1	1.8	1.1									3.0	6.2
SW	.9	3.4	2.2	.5								7.1	6.4
WSW	.8	3.2	2.1	1.9								8.0	7.3
W	.6	3.3	3.0	1.8	.6							9.2	8.3
WNW	.6	1.7	1.1	.7	.1							4.1	7.4
NW	.4	1.8	.9	.1								3.2	5.9
NNW	.2	.7	.9									1.9	6.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.3	//////
TOTALS	8.6	40.3	27.7	8.2	.9							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	4.6	3.2	.5								9.1	6.2
NNE	.7	4.3	3.3	.6	.0							9.1	6.6
NE	.8	6.7	5.3	1.0	.1							13.9	6.7
ENE	1.0	5.0	2.2	.5								8.8	5.9
E	.8	2.3	.4	.1	.0							3.6	4.9
ESE	.4	.6	.1	.0								1.2	4.5
SE	.2	.4	.1	.1	.0							.9	5.7
SSE	.2	.4	.1	.2	.0							.8	6.4
S	.3	.9	.4	.2	.0							1.9	6.6
SSW	.2	1.3	1.1	.5	.1	.0						3.2	7.3
SW	.7	2.4	2.5	1.6	.4	.0						7.6	8.3
WSW	.5	2.6	2.3	2.3	.4	.1	.0					8.2	8.9
W	.5	2.9	3.0	1.9	.4	.0						8.7	8.5
WNW	.3	1.4	1.7	.8	.1	.0						4.3	7.9
NW	.4	1.7	1.0	.2								3.4	6.2
NNW	.5	1.6	.7	.2								3.0	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.4	//////
TOTALS	8.6	39.3	27.3	10.7	1.5	.1	.0					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	4.5	2.3	.3								7.7	6.1
NNE	.5	4.2	2.6	.8								8.1	6.5
NE	1.0	6.1	2.7	.5								10.3	6.0
ENE	.9	4.3	1.4	.5								7.1	5.9
E	.6	1.4	.2									2.3	4.4
ESE	.2	.5										.8	3.7
SE	.4	.6		.1								1.2	4.3
SSE	.3	.5	.6	.1		.1						1.7	7.8
S	.3	1.4	1.2	.9	.2							4.0	6.2
SSW	.9	2.3	1.6	.5								5.3	6.6
SW	.2	4.6	3.5	.8	.4							9.6	7.2
WSW	1.4	4.6	2.3	1.0		.1						9.4	6.5
W	.9	2.9	3.1	.6	.1							7.6	6.9
WNW	.3	1.1	1.8	.1								3.3	6.9
NW	.3	1.4	.9	.2								2.8	6.1
NNW	.2	1.4	.8	.2								2.6	6.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.3	//////
TOTALS	9.1	41.9	24.9	6.7	.8	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	5.1	3.0	.6								9.6	6.2
NNE	.5	3.3	1.7	.3								5.9	6.0
NE	1.1	6.9	2.9	.9								11.7	6.2
ENE	2.3	4.2	1.1									7.5	4.7
E	.9	1.6	.4	.2								3.1	5.2
ESE	.1	.5	.2									.9	5.0
SE	.3	.8	.2									1.3	4.9
SSE		.3	.2	.1								.6	7.2
S	.5	1.0	1.0	.2								2.7	6.1
SSW	.3	2.0	.6	.6								3.7	6.7
SW	.8	3.4	2.6	2.3	.2							9.2	8.1
WSW	.9	4.0	3.2	1.1	.1							9.2	6.9
W	.6	2.3	3.0	1.0	.1							7.0	7.5
WNW	.5	1.5	.8	.2								3.0	5.8
NW	.5	2.2	.5	.1		.1						3.4	6.1
NNW	.3	1.5	.5									2.4	5.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.7	//////
TOTALS	10.5	40.5	22.0	7.6	.4	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	6.2	3.0	.1								10.8	5.7
NNE	1.1	3.8	2.0	.3								7.2	6.0
NE	1.3	6.9	3.4	1.0		.1						12.7	6.3
ENE	.8	5.7	1.7	.2								8.4	5.4
E	.9	1.9										2.8	3.9
ESE	.8	1.1	.1									1.9	4.1
SE	.6	.9	.1	.1								1.7	4.8
SSE	.1	.4	.4									1.0	5.7
S	.3	.5	.3	.6								1.8	7.8
SSW	.3	1.5	.6	.8	.1							3.3	7.9
SW	.4	2.4	2.7	1.5								7.0	7.9
WSW	.5	1.7	3.0	.9	.1							6.2	7.7
W	.1	2.5	2.9	1.0	.2	.1						6.8	8.3
WNW	.8	1.5	.5	1.1	.1							4.0	7.6
NW	.3	1.7	1.2	.1								3.3	6.1
NNW	.4	1.5	.4									2.4	4.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.7	//////
TOTALS	10.1	40.2	22.6	7.6	.5	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0900-1200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	2.4	2.5	1.1								7.2	6.6
NNE		2.8	3.9	.8								7.4	7.8
NE	1.3	5.8	5.6	2.0								14.7	7.0
ENE	.6	4.7	2.4	.3								8.1	5.8
E	.6	3.0	.5									4.2	4.8
ESE	.4	.6	.2	.1								1.4	4.9
SE	.2	.6	.1									1.0	4.6
SSE	.6	.3	.3	.2								1.5	6.2
S	.4	.4	.9	.6								2.4	8.0
SSW	.4	.6	1.0	.6	.3							3.0	6.9
SW	.4	1.5	3.1	4.1	1.3							10.4	11.1
WSW	.9	2.2	2.9	2.7		.1						8.7	8.7
W	.3	2.2	2.3	1.7	.2							6.7	8.6
WNW	.5	1.1	1.1	.8	.2							3.7	7.9
NW	.9	1.3	.5	.2								2.9	5.4
NNW	.4	2.5	1.5	.2								4.6	5.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.2	//////
TOTALS	9.5	32.0	28.7	15.5	2.0	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.0	1.9	.6								6.3	6.4
NNE	.1	1.7	2.3	1.0								5.1	7.9
NE	.5	3.1	3.1	.8	.2							7.7	7.4
ENE	.6	2.2	2.5	.2	.2							5.7	6.8
E	.3	2.0	.9	.2								3.4	5.9
ESE	.4	.3		.1								.9	4.9
SE	.2	.8	.3	.1	.1							1.5	6.9
SSE	.1	1.0	.1	.2	.1							1.5	7.1
S	1.0	.8	.9	.9	.3							3.8	8.4
SSW	.1	1.7	1.8	1.5	.4	.1						5.7	9.7
SW	.8	2.4	3.1	5.1	1.9	.3						13.5	11.1
WSW	.2	3.1	3.3	5.7	1.0	.1						13.4	10.7
W	.3	2.8	4.4	2.8	.1	.2						10.6	9.0
WNW	.8	2.2	2.2	1.0	.3							6.3	7.6
NW	1.1	2.9	1.3	.3								5.6	5.7
NNW	.2	1.6	.6	.6								3.1	7.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.7	//////
TOTALS	7.5	31.5	28.7	21.1	4.7	.8						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	2.6	3.7	.4								7.2	6.7
NNE	.1	1.7	1.7	.4								4.0	7.5
NE	.3	2.9	3.0	.9								7.1	7.2
ENE	.3	1.6	1.7	.3	.5							4.5	8.0
E	.2	1.1	.1	.1								1.5	4.9
ESE	.2	.4	.2									.9	5.4
SE	.1	.5	.4	.2								1.3	6.8
SSE	.2	.6	.3	.4	.1							1.7	8.2
S	.3	1.1	.5	1.7	.2							3.9	9.7
SSW	.2	1.5	2.0	1.9	.4	.1						6.2	9.8
SW	.5	2.3	3.9	4.6	1.9	.3	.1					13.7	11.3
WSW	1.0	2.3	4.6	5.2	.9	.1						14.0	10.0
W	.6	3.9	4.6	3.9	.5	.1						13.7	9.0
WNW	.4	1.3	2.4	1.5	.3							5.9	8.8
NW	.3	1.6	1.3	1.2								4.4	7.8
NNW	.3	1.8	1.6	.6								4.4	7.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.7	//////
TOTALS	5.8	27.2	32.2	23.4	4.9	.6	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	3.4	2.5	.3								6.8	6.6
NNE	.2	2.0	2.2	.4								4.8	6.8
NE	.2	4.4	2.6	.8								8.0	6.6
ENE	.3	4.2	1.2	.8								6.5	6.6
E	.3	1.1	.1									1.5	4.9
ESE	.1	.6	.2									1.0	5.0
SE	.4	.4	.4	.1								1.4	6.1
SSE	.3	.9	.9	.2	.1							2.4	7.5
S	.2	2.4	1.7	.5								4.8	7.4
SSW	1.0	3.1	2.4	.8	.1							7.3	6.8
SW	.4	4.1	4.2	3.2	.3							12.3	8.7
WSW	.8	2.8	4.3	2.3		.1						10.2	8.2
W	.9	3.7	5.6	1.9								12.0	7.8
WNW	.6	2.6	2.5	1.1								6.8	7.3
NW	.5	2.0	1.0	.5		.1						4.2	6.8
NNW	.1	1.0	.4	.8								2.3	6.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	7.8	//////
TOTALS	7.0	38.7	32.0	13.7	.5	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.7	3.0	.8								8.2	6.6
NNE	.5	3.4	2.0	.1	.1							6.2	6.2
NE	.3	5.2	2.9	.5								8.9	6.3
ENE	.3	4.9	1.5	.3								7.1	5.7
E	.6	1.3										1.9	4.2
ESE	.3	.6	.1			.1						1.2	5.9
SE	.4	1.3	.3	.1	.1							2.3	5.6
SSE	.2	1.6	.6	.5	.1							3.1	7.1
S	.6	.5	1.1	.5	.3							3.1	6.3
SSW	.5	2.6	2.2	.9	.1							6.2	7.0
SW	1.6	5.3	3.2	1.1	.1							11.3	6.6
WSW	1.1	5.3	3.4	.6	.1							10.5	6.5
W	.2	3.4	4.2	1.3	.1							9.2	7.7
WNW	.1	1.3	2.4	.3	.2							4.3	8.1
NW		1.1	.4									1.5	5.7
NNW		1.1	1.1	.1								2.3	6.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.6	//////
TOTALS	7.7	42.6	28.5	7.2	1.3	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.9	2.7	.5								8.0	6.3
NNE	.4	2.9	2.3	.5	.0							6.1	6.8
NE	.8	5.2	3.3	.9	.0	.0						10.1	6.6
ENE	.8	4.0	1.7	.3	.1							6.9	5.9
E	.6	1.7	.3	.1								2.6	4.8
ESE	.3	.6	.1	.0		.0						1.1	4.8
SE	.3	.7	.2	.1	.0							1.5	5.6
SSE	.2	.7	.4	.2	.1	.0						1.7	7.2
S	.5	1.0	.9	.8	.1							3.3	8.0
SSW	.5	1.9	1.5	1.0	.2	.0						5.1	7.9
SW	.6	3.2	3.3	2.8	.8	.1	.0					10.9	9.2
WSW	.8	3.2	3.4	2.4	.3	.1						10.2	8.4
W	.5	2.9	3.8	1.8	.2	.1						9.2	8.2
WNW	.5	1.6	1.7	.8	.1							4.7	7.6
NW	.5	1.8	.9	.3		.0						3.5	6.3
NNW	.3	1.5	.9	.3								3.0	6.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.2	//////
TOTALS	8.4	36.8	27.5	12.8	1.9	.3	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0000-0400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	2.9	1.4									4.8	5.8
NNE	.6	3.1	1.6	.1								5.3	5.8
NE	.8	6.0	2.6									9.3	5.6
ENE	1.4	2.7	1.0	.1								5.2	5.0
E	.6	1.2										1.8	4.1
ESE	.8	.4			.1							1.3	4.6
SE	.7	.1	.3	.2								1.3	6.2
SSE	.4	.8	.2	.3								1.8	5.9
S	.7	2.1	.9	.2	.1							4.0	6.0
SSW	.4	2.9	1.4	.2	.3	.1	.1					5.6	7.5
SW	1.0	5.9	3.6	1.2	.4							12.0	7.1
WSW	1.2	6.6	3.7	1.3								12.8	6.6
W	.4	3.1	2.1	.9								6.6	6.6
WNW	.2	1.6	1.0									2.8	6.0
NW	.4	2.2	.9	.1								3.7	5.6
NNW	.1	.7	.6									1.3	5.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	20.4	//////
TOTALS	10.2	42.1	21.2	4.8	1.0	.1	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	4.4	1.4	.1								6.6	5.5
NNE	.8	3.9	1.6	.1								6.3	5.6
NE	1.4	5.2	2.0	.4								9.1	5.7
ENE	.6	5.2	.6	.1								6.4	5.0
E	.8	1.7	.2									2.7	4.2
ESE	.3	.7	.1									1.1	4.3
SE	.2	.6		.1	.1							1.0	6.9
SSE	.4	.7	.2		.1							1.4	6.1
S	.4	.7	.1	.2	.1	.2						1.8	9.1
SSW	.1	1.8	1.2	.6	.1	.1						3.9	7.8
SW	1.3	5.8	3.4	2.2	.4	.1						13.3	7.5
WSW	.6	6.9	2.7	1.0								11.1	6.2
W	.6	3.1	1.4	.3	.1							5.6	6.1
WNW	.6	1.2	.3	.1								2.2	5.4
NW	.3	1.8	.6									2.7	5.2
NNW	.9	1.8	.7									3.3	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.4	//////
TOTALS	9.9	45.3	16.6	5.3	1.0	.4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	3.2	.6	.2								4.9	5.4
NNE	.4	3.6	2.3	.3								6.7	6.2
NE	.7	6.4	3.6	.1								10.8	6.1
ENE	1.1	5.4	1.0	.1	.1							7.8	5.0
E	.9	1.1	.2									2.2	4.1
ESE	.4	.9	.3									1.7	4.8
SE	.9	.6			.1	.1						1.7	5.9
SSE	.4	.6		.2	.1							1.3	6.5
S	.7	1.1	1.0	.2								3.0	6.1
SSW	.3	2.4	1.0	.1	.2	.1						4.2	6.7
SW	.7	4.9	3.1	2.3	.7	.1						11.8	8.2
WSW	1.0	4.6	3.3	.8	.1							9.8	6.5
W	.7	2.4	1.1	.9		.1						5.2	7.1
WNW	.8	.9	.8	.4								2.9	6.4
NW	.2	1.0	.3									1.6	5.1
NNW	.2	1.4	.7	.1								2.4	5.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	22.1	//////
TOTALS	10.3	40.6	19.3	5.9	1.3	.4						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	3.0	2.0	.1								6.0	5.7
NNE	.4	3.3	1.7	.2								5.7	6.0
NE	1.6	3.9	3.6	1.4								10.4	6.8
ENE	1.1	3.3	1.9	.6								6.9	6.3
E	.9	1.7	.4	.2								3.2	5.3
ESE	.6	.8	.2									1.6	4.6
SE	.1	.6	.2									.9	5.8
SSE	.3	.2	.2	.1	.1							1.0	7.8
S	.5	1.8	.3	1.2		.1						4.2	7.5
SSW	.7	2.1	1.9	2.1	.7	.2						7.7	9.5
SW	.3	2.3	4.9	5.4	.8	.3						14.1	10.4
WSW	.4	3.1	3.4	2.7	.2	.4						10.3	9.2
W	.6	2.9	2.6	1.2	.1							7.3	7.4
WNW	.4	1.8	1.1	1.0	.1							4.4	7.7
NW	.4	2.2	1.3	.3								4.3	6.6
NNW	.3	1.6	.3	.1								2.3	5.1
VARIABLE													
CALM												9.6	
TOTALS	9.9	34.6	26.1	16.8	2.0	1.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	3.3	1.4									5.4	5.6
NNE	.8	1.1	1.8	.6								4.2	7.0
NE	.6	1.9	3.1	.8								6.3	7.3
ENE	.1	1.8	1.3	.6								3.8	7.4
E	.1	2.1	.3									2.6	5.2
ESE	.3	.9	.1	.1								1.4	5.5
SE	.1	.7	.1	.2								1.1	6.7
SSE	.2	.7	.1	.2								1.2	6.0
S	.6	1.0	.4	1.0	.3	.2						3.6	9.8
SSW	.2	2.1	2.4	2.3	.6							7.7	9.7
SW	.3	2.9	4.8	5.0	1.2	.2	.2					14.7	10.6
WSW	.9	3.1	5.1	4.9	1.1	.8						15.9	10.5
W	.9	4.4	4.0	3.2	1.2							13.8	8.9
WNW	.3	1.6	2.0	1.6	.2							5.7	8.8
NW	.2	2.9	2.2	.3	.1							5.8	6.8
NNW	.2	1.8	.9	.1								3.0	5.7
VARIABLE													
CALM												3.9	
TOTALS	6.6	32.2	30.2	20.9	4.8	1.2	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	3.1	1.7	.3								5.3	6.4
NNE	.1	1.7	1.4	.9								4.1	7.4
NE		2.7	2.4	1.0	.1							6.2	7.6
ENE	.2	1.3	1.6	.8								3.9	7.5
E		.9	.6	.2								1.7	6.7
ESE	.1	1.1	.3									1.6	5.1
SE	.2	.8	.1									1.1	4.7
SSE		.4	.1		.1							.7	7.7
S	.4	1.6	.7	1.0	.4							4.1	9.0
SSW	.2	1.1	2.4	3.0	.1	.1						7.0	9.9
SW	.2	1.3	6.1	6.2	1.9	.1						15.9	11.3
WSW	.2	3.0	5.4	4.4	1.0	.4	.1					14.7	10.5
W	.1	3.0	4.9	4.3	1.2							13.6	9.8
WNW	.1	2.0	2.8	1.8	.6							7.2	9.5
NW	.6	2.9	1.2	.4	.1							5.1	6.3
NNW	.6	2.4	1.0									4.0	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	3.9	//////
TOTALS	3.3	29.2	32.8	24.4	5.6	.7	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	3.2	.9	.3								4.7	6.2
NNE	.7	2.3	1.2		.2							4.4	6.3
NE	.1	3.1	.9	.7								4.8	6.4
ENE	.8	4.1	2.2	.4								7.6	6.1
E	.3	1.2	.3	.1								2.0	5.4
ESE		1.0	.4									1.4	6.1
SE	.3	1.8	.6	.1								2.8	5.5
SSE	.2	.8	.2	.1								1.3	5.3
S	.3	3.0	1.7	.4	.2							5.7	7.0
SSW	.4	3.0	2.8	1.1								7.3	7.4
SW	.8	4.7	6.7	1.0	1.0							14.1	8.0
WSW	.2	6.0	4.1	1.8		.1						12.2	7.4
W	.3	4.8	4.0	1.9	.3							11.3	8.0
WNW	.2	2.1	2.7	1.9								6.9	8.3
NW	.7	1.4	1.8	.3								4.2	6.5
NNW	.3	1.9	1.0	.1								3.3	5.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.9	//////
TOTALS	6.0	44.4	31.4	10.3	1.8	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	3.2	2.0	.1								5.7	6.1
NNE	.1	2.2	1.8	.3								4.4	6.8
NE	.6	4.0	1.9	.3								6.8	6.1
ENE	1.1	4.3	1.6	.1								7.1	5.4
E	.8	1.3	.2									2.3	4.4
ESE	.2	.8	.1									1.1	4.7
SE	.4	1.2	.3	.1								2.1	5.3
SSE	.6	.7	.1	.2								1.6	5.4
S	.6	2.1	1.8	.9	.1							5.4	7.4
SSW	1.4	4.3	1.8	1.0	.2							8.8	6.6
SW	1.6	5.8	3.7	.8	.4							12.2	6.6
WSW	1.4	6.1	2.4	1.0								11.0	6.0
W	.7	3.2	2.2	.3								6.4	6.6
WNW	.3	2.1	.7	.2								3.3	5.9
NW	.2	1.8	1.3									3.3	6.2
NNW	.6	1.8	.2	.1								2.7	5.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.7	//////
TOTALS	13.9	45.0	22.1	5.6	.8							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	3.3	1.4	.2								5.4	5.6
NNE	.5	2.7	1.7	.3	.0							5.2	6.3
NE	.7	4.2	2.5	.6	.0							8.0	6.4
ENE	.9	3.5	1.4	.3	.0							6.1	5.8
E	.5	1.4	.3	.1								2.3	4.9
ESE	.3	.8	.2	.0	.0							1.4	5.0
SE	.4	.8	.2	.1	.0	.0						1.5	5.6
SSE	.3	.6	.2	.2	.1							1.3	6.2
S	.6	1.7	.9	.7	.2	.1						4.0	7.6
SSW	.5	2.5	1.9	1.3	.3	.1	.0					6.5	8.2
SW	.8	4.2	4.5	3.0	.9	.1	.0					13.5	8.9
WSW	.7	4.9	3.8	2.2	.3	.2	.0					12.2	8.1
W	.5	3.4	2.8	1.6	.4	.0						9.7	8.0
WNW	.4	1.7	1.4	.9	.1							4.4	7.8
NW	.4	2.0	1.2	.2	.0							3.8	6.2
NNW	.4	1.7	.7	.1								2.8	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.9	//////
TOTALS	8.4	39.2	25.0	11.7	2.3	.5	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0000-0300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.8	1.7									6.2	5.3
NNE	.6	2.5	2.7	.5								6.3	6.4
NE	.5	6.1	2.2									8.8	5.5
ENE	.8	5.7	.4									6.9	4.6
E	.5	1.5	.1		.1							2.3	5.0
ESE	.3	1.4	.1									1.8	4.2
SE	.5	1.2		.1								1.8	4.5
SSE	.4	1.1	.2	.3								2.0	6.5
S	.9	1.3	.8	.3								3.2	5.9
SSW	.3	2.5	1.1	.5								4.4	6.5
SW	.5	5.3	2.0	.6								8.5	6.3
WSW	1.2	5.9	1.9	.2								9.2	5.5
W	.9	4.0	.9	.2								5.9	5.4
WNW	.2	1.3	1.1									2.6	6.0
NW	.5	1.1	.2									1.8	4.3
NNW	.5	1.3	.1									1.7	4.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	26.3	//////
TOTALS	9.6	45.6	15.5	2.9	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	2.4	1.4	.2								5.2	5.6
NNE	1.4	4.8	2.8									9.0	5.6
NE	1.2	6.6	1.6	.1								9.5	5.0
ENE	1.8	6.2	.4									8.5	4.4
E	.6	1.8	.1									2.6	4.1
ESE	.5	.8	.3									1.6	4.3
SE	.2	1.1										1.3	4.2
SSE	.9	.1		.1	.1							1.2	5.5
S	.4	1.4	.2									2.0	4.4
SSW	.8	1.7	.6	.4	.1							3.7	6.4
SW	1.0	4.4	1.6	1.0	.1							8.1	6.4
WSW	.5	4.5	2.5	.5	.1							8.2	6.3
W	.8	3.2	.9	.2								5.1	5.5
WNW	.3	1.5	.2									2.0	4.8
NW	.5	1.9	.6	.1								3.2	5.2
NNW	.3	.5	.6									1.5	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	27.4	//////
TOTALS	12.5	43.0	14.0	2.7	.4							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	2.4	.6	.1								3.8	5.5
NNE	.5	2.9	2.0	.2								5.7	6.0
NE	2.5	7.0	3.4	.8								13.7	5.8
ENE	2.9	4.1	1.0	.1								8.1	4.5
E	1.1	1.8	.3									3.2	4.5
ESE	.4	1.1	.2									1.7	4.5
SE	.3	.5	.3									1.2	4.9
SSE	.3	.4	.2	.1								1.1	5.9
S	.5	1.3	.4	.1	.1							2.5	5.7
SSW	.6	2.8	.9	.4								4.7	6.0
SW	1.3	4.1	1.9	1.1								8.4	6.2
WSW	.5	3.9	1.4	.9								6.7	6.4
W	.5	2.2	1.5	.6								4.8	6.7
WNW	.4	1.1	.2									1.7	4.9
NW	.8	1.2	.2									2.2	4.6
NNW	1.0	1.6	.1									2.7	4.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	28.0	//////
TOTALS	14.4	38.3	14.8	4.4	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.0	.9	.1								4.7	5.3
NNE	.8	2.3	2.3	.5								5.8	6.7
NE	1.2	3.7	3.4	1.5								9.8	6.8
ENE	1.1	4.0	2.6	1.2								8.8	6.5
E	1.2	2.4	.1									3.7	4.1
ESE	.5	.3										.9	3.5
SE	.1	.5										.6	4.3
SSE	.1	.2		.1								.4	6.0
S	.6	1.8	.5	.5	.1							3.7	6.6
SSW	.3	1.5	1.6	.8	.5							4.7	8.8
SW	.3	3.8	5.5	2.4	.2							12.2	8.1
WSW	.9	4.0	5.5	1.8	.3							12.5	8.1
W	.8	3.1	3.0	1.5	.2							8.6	7.6
WNW	.8	2.2	.5	.5								4.0	6.0
NW	.4	1.6	.4									2.5	5.2
NNW	.8	1.5	.3									2.6	4.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.6	//////
TOTALS	10.5	35.8	26.7	11.0	1.4							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	3.7	1.8	.3								6.9	5.7
NNE	.3	1.4	1.2	.3	.1							3.3	7.3
NE	.4	2.0	3.3	1.0								6.8	7.6
ENE	.2	1.8	2.2	.6								4.8	7.3
E	.2	1.9	.8	.2								3.1	5.9
ESE	.3	.8	.2									1.3	4.8
SE	.1	.3	.1									.5	4.8
SSE	.2	.8	.3	.1								1.4	6.0
S	.3	1.2	1.1	1.3								3.9	8.1
SSW	.1	1.2	2.5	1.3	.2							5.3	8.9
SW	.2	3.0	4.7	3.5	.8							12.3	9.5
WSW	.4	3.4	6.1	3.7	.9	.1						14.6	9.2
W	.5	4.8	5.6	2.6								13.5	7.8
WNW	.3	3.9	2.6	.5								7.3	6.6
NW	.9	3.8	1.1	.3								6.0	5.6
NNW	.5	3.0	.4	.1								4.1	5.1
VARIABLE													
CALM												4.8	
TOTALS	6.2	37.0	34.0	15.9	1.9	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	4.2	2.3	.2								6.9	6.3
NNE	.1	2.2	1.7	.5	.1							4.6	7.6
NE	.1	2.7	3.2	1.0	.1							7.1	7.5
ENE	.1	1.7	1.9	.2								4.2	6.9
E	.2	1.9	.9	.2								3.2	6.1
ESE	.1	.8	.3	.1								1.3	6.2
SE	.2	.6	.4									1.3	5.3
SSE	.1	.2	.3									.6	6.2
S	.1	1.5	1.7	.4								3.8	7.2
SSW	.1	1.5	2.9	1.6	.2							6.3	9.2
SW	.4	2.5	5.5	4.2	.5							13.1	9.4
WSW	.3	1.8	5.9	3.2	.4							11.7	9.5
W	.4	5.1	5.5	2.6	.3							13.9	8.1
WNW	.3	4.1	2.3	.5		.1						7.3	6.8
NW	.9	2.4	1.5	.3								5.1	6.0
NNW	.2	3.3	1.1	.1								4.7	5.7
VARIABLE													
CALM												4.8	
TOTALS	4.2	36.5	37.4	15.3	1.7	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	4.1	3.0	.5								8.4	6.5
NNE	.1	1.7	1.8	.4								4.1	7.1
NE	.6	4.4	2.0	.1								7.2	5.9
ENE	.9	3.5	1.4	.2								5.8	5.7
E	.4	2.8	.8									4.0	5.2
ESE	.3	1.1	.3									1.7	5.3
SE	.3	.6	.9	.4								2.3	7.3
SSE	.2	1.0	.8	.1								2.0	6.5
S	.3	1.9	.9	.3								3.4	6.4
SSW	.4	3.7	1.8	.9	.2							7.0	7.0
SW	.8	5.5	3.2	1.5								11.0	6.8
WSW	.3	7.6	4.4	2.0								14.4	7.1
W	.3	3.2	4.1	.8								8.4	7.2
WNW	.1	2.2	.8	.4								3.4	6.3
NW	.4	2.2	1.2	.1								3.9	6.0
NNW	.4	1.7	.5									2.7	5.3
VARIABLE													
CALM												10.3	//////
TOTALS	6.8	47.0	27.8	7.8	.2							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.9	2.7	.1								6.6	5.9
NNE	.8	2.8	2.4	.3								6.2	6.3
NE	.9	5.7	1.8	.1								8.5	5.4
ENE	1.0	4.8	.9	.2								6.9	5.0
E	1.1	3.2	.2									4.5	4.3
ESE	1.1	1.0	.2									2.3	4.1
SE	.3	.9	.4	.3								1.9	6.4
SSE	.3	1.2	.3									1.8	4.7
S	1.1	1.7	1.0	.1								3.9	5.3
SSW	.5	3.9	1.1	.4								5.9	5.7
SW	1.1	6.2	2.5	.5								10.3	5.7
WSW	1.0	6.7	2.9	.4								11.0	5.7
W	.5	2.9	1.7	.2								5.4	5.8
WNW	.1	1.2	.8	.1								2.2	6.5
NW	.5	1.1	.3	.2	.1							2.3	6.3
NNW	.2	.3										.5	4.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.9	//////
TOTALS	11.3	46.5	19.1	3.1	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.3	1.8	.2								6.1	5.8
NNE	.6	2.6	2.1	.4	.0							5.6	6.4
NE	.9	4.8	2.6	.6	.0							8.9	6.1
ENE	1.1	4.0	1.3	.3								6.7	5.5
E	.7	2.2	.4	.1	.0							3.3	4.9
ESE	.5	.9	.2	.0								1.6	4.6
SE	.3	.7	.3	.1								1.4	5.5
SSE	.3	.6	.3	.1	.0							1.3	5.9
S	.5	1.5	.8	.4	.0							3.3	6.4
SSW	.4	2.3	1.6	.8	.2							5.3	7.4
SW	.7	4.3	3.4	1.9	.2							10.5	7.5
WSW	.6	4.7	3.8	1.6	.2	.0						11.0	7.5
W	.6	3.6	2.9	1.1	.1							8.2	7.1
WNW	.3	2.2	1.0	.3		.0						3.8	6.3
NW	.6	1.0	.7	.1	.0							3.4	5.5
NNW	.5	1.6	.4	.0								2.6	5.1
VARIABLE													
CALM												17.0	
TOTALS	9.4	41.2	23.7	7.9	.8	.0						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0000-0300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	3.0	1.3	.1								5.6	5.3
NNE	.7	3.1	1.1	.3								5.2	5.7
NE	1.3	4.7	1.4		.1							7.6	5.3
ENE	1.0	3.9	.2	.1								5.2	4.6
E	.6	1.1	.2									1.9	4.2
ESE	.6	.8	.1									1.4	4.2
SE	.8	1.3										2.1	3.8
SSE	.9	.9										1.8	3.8
S	.9	1.3	.2	.1								2.6	4.4
SSW	.9	2.9	.4	.1								4.3	4.9
SW	1.0	7.1	1.7	.3								10.1	5.4
WSW	1.1	7.1	1.8	.1								10.1	5.4
W	1.0	3.4	1.1	.2								5.8	5.5
WNW	1.4	1.9	.3	.1								3.8	4.5
NW	.4	2.8	.2	.1								3.6	4.8
NNW	.8	1.8	.2									2.8	4.2
VARIABLE													
CALM												26.2	
TOTALS	18.4	47.1	10.4	1.7	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	3.2	1.6									5.2	5.6
NNE	1.3	2.2	.7	.1								4.3	4.8
NE	1.8	6.1	1.1	.4								9.4	5.1
ENE	1.9	5.7	.4									8.0	4.5
E	1.0	1.4	.2									2.7	4.2
ESE	.4	.7	.1									1.2	4.3
SE	.4	.4	.2	.1								1.2	5.2
SSE	.2	.6	.1									.9	4.4
S	.6	1.1										1.7	4.1
SSW	.8	2.0	.9	.1								3.8	5.5
SW	1.3	4.8	1.7	.4								8.2	5.9
WSW	1.1	4.3	1.8									7.2	5.4
W	.7	3.7	.7	.1	.1							5.2	5.7
WNW	.2	1.6	.3									2.1	4.6
NW	1.1	2.7	.1									4.1	4.2
NNW	.8	1.3	.2	.1								2.4	5.2
VARIABLE													
CALM												32.2	
TOTALS	19.3	41.8	10.1	1.4	.1							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	3.3	1.1		.1							5.2	5.6
NNE	.9	3.1	1.2	.1								5.3	5.4
NE	1.8	5.7	3.1	.2								10.8	5.6
ENE	1.2	5.3	.6	.3								7.4	4.9
E	1.0	1.6	.1									2.7	4.0
ESE	.4	.9	.1									1.4	4.2
SE	1.1	1.0										2.1	3.7
SSE	.2	1.0	.1									1.3	4.4
S	.6	1.2	.3	.1								2.2	5.2
SSW	.7	2.6	1.4	.1								4.8	5.7
SW	.9	4.8	2.3	.7								8.7	6.3
WSW	1.4	4.6	2.4	.1								8.6	5.6
W	.4	3.2	.7	.1								4.4	5.3
WNW	.4	.8	.6	.1								1.9	5.6
NW	1.0	1.0	.3									2.3	4.3
NNW	.6	1.1	.2									1.9	4.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	28.9	//////
TOTALS	13.3	41.1	14.7	1.9	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.7	1.8	.1								5.2	5.8
NNE	.9	2.0	1.4	.3								4.7	6.0
NE	.3	3.2	3.1	.6	.1							7.3	7.0
ENE	1.0	3.0	.8	.3								5.1	5.4
E	.4	2.7	.7	.1								3.9	5.3
ESE	.7	.8										1.4	4.2
SE	.2	.9	.1									1.2	4.5
SSE	.6	.6	.1									1.2	3.8
S	.2	1.6	.2	.1								2.1	5.2
SSW	.8	4.0	2.0	.6	.1							7.4	6.3
SW	.3	4.7	5.3	2.1	.2							12.7	7.7
WSW	1.6	5.3	4.7	2.6								14.1	7.3
W	1.6	4.9	3.6	1.3								11.3	6.5
WNW	.6	2.3	1.0	.3								4.2	6.1
NW	1.2	2.9	.7									4.8	4.9
NNW	.2	1.4	.1									1.8	4.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	11.4	//////
TOTALS	11.2	42.9	25.6	8.4	.4							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	3.7	2.0	.1								6.2	6.0
NNE	.3	2.2	1.7	.2								4.4	6.2
NE	.3	1.4	2.8		.2							4.8	7.5
ENE	.1	1.0	1.6	.2								2.9	7.1
E	.1	1.3	.6	.2								2.2	6.6
ESE	.2	1.0	.1									1.3	4.3
SE	.4	.7	.2									1.3	4.8
SSE		.2	.2									.4	6.0
S	.2	2.1	.6	.1	.2							3.2	6.5
SSW	.4	2.7	1.8	1.0	.3							6.2	7.9
SW	.1	4.4	6.0	2.3								12.9	8.0
WSW	.2	5.4	6.0	4.8	.2							16.7	8.6
W	.8	4.2	6.3	2.4								13.8	7.6
WNW	.3	3.4	2.7	.2	.1							6.8	6.6
NW	.3	4.6	1.8	.2								6.9	5.8
NNW	.4	3.0	1.0									4.4	5.4
VARIABLE													
CALM												5.4	
TOTALS	4.9	41.4	35.2	11.9	1.1							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	4.4	2.6	.3								8.2	6.1
NNE		1.7	2.7	.6								4.9	7.4
NE	.2	1.9	2.1	.6	.1							4.9	7.8
ENE	.3	1.8	2.0	.1								4.2	6.8
E	.1	.8	.7		.1							1.7	7.1
ESE		1.1	.6	.2								1.9	6.6
SE	.1	.7	.6									1.3	6.0
SSE	.2	.3	.3	.3								1.2	8.1
S	.1	1.2	1.2	.6								3.1	7.3
SSW	.2	1.0	2.9	1.6			.1					5.8	9.0
SW	.2	3.8	6.1	3.0	.6							13.7	8.9
WSW	.2	2.8	6.4	3.0	.1							12.6	8.6
W	.6	3.4	6.0	2.1	.3							12.4	8.0
WNW	.1	4.8	3.4	.4								8.8	6.6
NW	.2	4.0	2.7	.4								7.3	6.5
NNW	.8	3.0	1.7	.1								5.6	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.4	//////
TOTALS	4.3	36.7	41.9	13.3	1.2		.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	5.7	2.9	.6								9.6	6.2
NNE	.2	2.6	1.6	.2								4.6	6.4
NE	.3	3.6	2.3	.2	.1							6.6	6.3
ENE		3.7	2.4									6.1	6.0
E	.1	1.4	1.1									2.7	6.5
ESE	.1	1.2	.2									1.6	5.3
SE	.1	.8	.4									1.3	5.8
SSE	.1		.4	.2								.8	9.3
S	.2	1.7	.4	.4								2.8	6.5
SSW	.1	3.2	2.3	.7								6.3	6.8
SW	.3	6.7	5.6	.9	.1							13.6	7.0
WSW	.2	6.4	3.8	.6								11.0	6.5
W	.4	5.9	2.9	.4	.1							9.8	6.5
WNW	.3	4.2	2.1	.3								7.0	5.9
NW	.8	3.9	1.7	.1								6.4	5.4
NNW	.3	3.6	.7	.2								4.8	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.2	//////
TOTALS	4.2	54.4	30.9	4.9	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	4.2	2.1	.1								7.1	5.9
NNE	.3	3.9	1.6									5.8	5.8
NE	1.0	5.4	1.2	.2								7.9	5.3
ENE	1.1	4.7	.4	.1								6.3	4.7
E	.7	1.8	.8									3.2	5.1
ESE	.6	1.0	.1	.1								1.8	4.6
SE	1.1	1.2	.4	.1								2.9	4.8
SSE	.2	.6	.2									1.0	4.8
S	.4	2.3	.8	.1								3.7	5.5
SSW	.6	4.4	2.0	.1								7.1	5.7
SW	1.6	9.8	1.9	.3								13.6	5.2
WSW	1.2	6.8	1.2	.3								9.6	5.2
W	.8	3.4	.8	.1								5.1	5.2
WNW	.4	2.1	.3									2.9	4.9
NW	.3	1.6	.3									2.2	5.0
NNW	.2	1.8	.6									2.6	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.3	//////
TOTALS	11.2	55.0	14.8	1.7								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	3.8	1.9	.2	.0							6.5	5.9
NNE	.6	2.6	1.5	.2								4.9	6.0
NE	.9	4.0	2.2	.3	.1							7.4	6.0
ENE	.8	3.6	1.1	.2								5.7	5.3
E	.5	1.5	.5	.0	.0							2.6	5.3
ESE	.4	.9	.2	.0								1.5	4.8
SE	.5	.9	.2	.0								1.7	4.7
SSE	.3	.5	.2	.1								1.1	5.3
S	.4	1.6	.5	.2	.0							2.7	5.7
SSW	.6	2.8	1.7	.5	.1		.0					5.7	6.6
SW	.7	5.7	3.8	1.3	.1							11.7	6.9
WSW	.9	5.3	3.5	1.4	.0							11.2	6.9
W	.8	4.0	2.7	.9	.1							8.5	6.7
WNW	.5	2.6	1.3	.2	.0							4.7	5.9
NW	.7	2.9	1.0	.1								4.7	5.3
NNW	.5	2.1	.6	.1								3.3	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.2	//////
TOTALS	9.7	45.1	22.9	5.7	.4		.0					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0000-0230

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	2.2	.3									3.8	4.4
NNE	1.2	3.4	.8									5.4	5.0
NE	1.4	5.2	1.5	.2								8.3	5.1
ENE	2.0	3.3	.4									5.8	4.2
E	1.0	1.4	.1	.1								2.6	4.5
ESE	.6	1.4	.3	.2								2.6	5.3
SE	.6	1.1	.1									1.8	3.9
SSE	.8	.6	.2									1.6	4.1
S	.5	1.9	.2	.1								2.8	5.1
SSW	1.5	3.0	.5									5.1	4.5
SW	1.0	5.8	1.6	.1								8.5	5.3
WSW	1.5	8.0	.9	.4								10.8	5.2
W	.6	4.1	.9	.1								5.7	5.4
WNW	.3	1.6	.2									2.2	5.0
NW	1.3	3.2	.2									4.7	4.3
NNW	.8	1.1	.1	.1								2.0	4.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	26.5	//////
TOTALS	16.5	47.3	8.4	1.4								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	2.3		.1								3.5	4.2
NNE	.6	2.9	.8	.1								4.4	5.2
NE	2.0	6.7	1.3	.1								10.1	4.9
ENE	1.6	4.5	.1		.1							6.3	4.5
E	1.2	2.4	.2									3.8	4.1
ESE	.6	1.0										1.6	3.9
SE	.5	1.0	.1									1.6	4.1
SSE	1.0	.8										1.7	3.4
S	.9	1.0	.2									2.0	4.2
SSW	1.0	2.6	.3									3.9	4.6
SW	1.2	5.6	2.5									9.2	5.3
WSW	1.7	5.7	1.8	.1								9.4	5.3
W	.9	3.7	.8									5.3	5.1
WNW	.6	1.2	.3									2.2	4.8
NW	1.2	1.9	.2									3.3	4.4
NNW	.6	1.7										2.4	4.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	29.2	//////
TOTALS	16.9	44.7	8.6	.4	.1							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.7	.3									3.9	4.4
NNE	1.2	2.6	1.0									4.7	5.2
NE	1.5	6.2	2.2	.2								10.1	5.3
ENE	2.3	4.7	.9	.1								8.0	4.6
E	1.5	2.7										4.2	3.9
ESE	.6	1.4	.2									2.3	4.4
SE	.4	1.3										1.7	4.2
SSE	.6	.9										1.5	3.6
S	.6	1.8	.1									2.6	4.3
SSW	.9	3.3	.8	.1								5.1	4.9
SW	1.0	5.5	3.1	.5								10.1	6.0
WSW	1.5	5.4	2.7	.2								9.8	5.6
W	1.1	3.5	.8									5.4	4.9
WNW	.2	1.7	.2									2.2	4.9
NW	.4	1.0	.3									1.7	4.8
NNW	.4	1.3										1.7	4.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	25.2	//////
TOTALS	15.2	46.0	12.5	1.2								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0930-1430

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	2.2	.3	.1								3.8	4.4
NNE	.6	3.2	1.0	.1								4.9	5.4
NE	1.3	4.6	2.0	.4								8.4	5.8
ENE	1.2	3.8	1.4	.3								6.7	5.5
E	.6	1.4	.8									2.8	5.1
ESE	.5	.8	.1									1.4	4.2
SE	.1	1.1	.1									1.3	4.3
SSE	.2	.2										.4	3.8
S	.6	2.2	.5									3.3	4.9
SSW	.4	2.3	2.5	.2	.1							5.5	6.7
SW	.8	5.5	6.1	1.5								13.9	7.2
WSW	.4	4.7	7.0	1.7								13.9	7.6
W	1.4	5.5	3.1	.8								10.8	5.9
WNW	.6	2.2	.3									3.1	4.9
NW	.5	2.3	.3	.2								3.3	5.0
NNW	.4	2.0										2.5	4.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.1	//////
TOTALS	11.1	43.8	25.6	5.4	.1							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	4.4	1.5									6.9	5.3
NNE	.2	1.8	1.5	.1								3.7	6.4
NE	1.0	3.1	2.4	.2								6.7	5.9
ENE	.5	3.2	1.9	.2								5.9	6.2
E	.2	.9	.8									1.8	6.0
ESE	.4	.5	.2	.1								1.3	5.3
SE	.2	.8	.2	.1								1.3	5.5
SSE	.2	.6	.1									1.0	4.8
S	.6	2.4	1.0	.1								4.1	5.5
SSW	.2	2.3	2.0	.6								5.2	7.1
SW	.5	3.8	3.9	2.4	.1							10.6	8.2
WSW	.9	5.4	6.0	3.5	.1							15.9	8.0
W	.8	5.9	4.9	.9								12.5	6.5
WNW	.5	3.5	2.0									6.1	5.8
NW	.5	4.3	2.2									7.0	5.6
NNW	.4	3.4	1.5									5.4	5.6
VARIABLE													
CALM												4.7	
TOTALS	8.3	46.3	32.2	8.3	.2							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	5.3	3.5	.9	.1							10.5	6.6
NNE	.5	2.8	1.5	.3								5.2	6.1
NE	.1	3.0	2.6									5.7	6.6
ENE	.4	2.7	2.0	.1								5.3	5.9
E	.2	1.5	.6	.2								2.0	6.0
ESE	.3	1.4	1.0		.1							2.8	6.4
SE	.3	.9	1.0									2.2	6.1
SSE		.9	.5									1.4	6.4
S	.3	1.7	1.3	.3								3.7	6.4
SSW	.2	1.6	1.9	.9								4.6	7.8
SW	.1	3.1	4.6	1.8								9.7	8.0
WSW	.4	3.7	5.4	2.0	.1							11.6	8.0
W	.5	4.9	3.8	1.2	.1							10.5	7.0
WNW	.3	3.1	2.6	.8	.1							6.9	7.1
NW	.4	4.7	2.9	.2	.1							8.4	6.3
NNW	.3	3.2	1.3	.2	.1							5.2	6.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	3.9	//////
TOTALS	5.4	44.5	36.6	8.9	.8							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	6.0	2.5	.2								9.7	5.7
NNE	.3	3.2	1.9									5.5	6.0
NE	.6	4.1	1.9	.2	.1							7.0	5.9
ENE	.4	4.9	1.5	.1								7.0	5.5
E	.5	2.3	1.1									3.9	5.4
ESE	.1	2.0	.6									2.8	5.4
SE	.1	2.6	.6									3.3	5.5
SSE	.2	1.4	.9	.1								2.6	5.9
S	.4	2.6	.6	.1								3.8	5.4
SSW	.8	3.8	1.5	.1								6.1	5.6
SW		5.8	2.9	.8								9.5	6.3
WSW	.5	4.6	2.8	.6								8.6	6.4
W	.2	4.0	2.8	.3								7.3	6.4
WNW	.5	3.9	1.1	.2	.1							5.8	6.0
NW	1.0	4.2	1.5									6.7	5.1
NNW	.8	3.7	.6									5.1	5.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.5	//////
TOTALS	7.5	59.0	24.9	2.8	.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

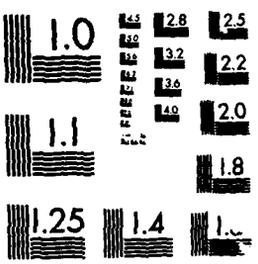
PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	4.0	1.1	.1								5.5	5.6
NNE	1.4	3.4	1.0	.1	.1							6.0	5.6
NE	1.4	6.9	1.3		.1							9.7	[illegible]
ENE	1.4	6.8	.1									[illegible]	[illegible]
E	1.6	2.0	.1	.1								[illegible]	[illegible]
ESE	1.1	1.3	.5	.1								[illegible]	[illegible]
SE	.3	2.3	.1									[illegible]	
SSE	.4	1.4	.3	.1									
S	1.0	2.6	.9										
SSW	1.5	4.1	.5										
SW	1.0	7.2	1.6	.2									
WSW	1.7	4.4	1.7	.2									
W	.8	2.6	.3										
WNW	.5	1.7	.1		.1								
NW	.9	1.8	.2										
NNW	.4	1.9	.1	.2									
VARIABLE													
CALM	//////////												
TOTALS	15.7	44.4	10.0	[illegible]									

TOTAL NUMBER OF OBSERVATIONS [illegible]

AD-A190 783 MCGHEE-TYSON ANGB KNOXVILLE TENNESSEE REVISED UNIFORM SUMMARY OF SURFACE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 88 2/4

UNCLASSIFIED USAFETAC/DS-88/017 F/G 4/2 NL



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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	3.6	1.2	.2	.0							5.9	5.4
NNE	.8	2.9	1.2	.1	.0							5.0	5.6
NE	1.2	5.0	1.9	.2	.0							8.2	5.5
ENE	1.2	4.2	1.0	.1	.0							6.7	5.0
E	.9	1.8	.5	.1								3.2	4.8
ESE	.6	1.2	.4	.1	.0							2.2	5.1
SE	.3	1.4	.3	.0								2.0	4.9
SSE	.4	.9	.3	.0								1.6	4.8
S	.6	2.0	.6	.1								3.3	5.2
SSW	.8	2.9	1.3	.2	.0							5.2	5.7
SW	.7	5.3	3.3	.9	.0							10.2	6.5
WSW	1.1	5.2	3.5	1.1	.0							11.0	6.6
W	.8	4.3	2.2	.4	.0							7.6	6.0
WNW	.5	2.4	.9	.1	.0							3.9	5.8
NW	.8	2.9	1.0	.1	.0							4.8	5.2
NNW	.5	2.3	.5	.1	.0							3.4	5.2
VARIABLE													
CALM												15.9	
TOTALS	12.1	48.3	19.8	3.7	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	2.9	.3									5.2	4.3
NNE	1.7	4.5	1.2									7.4	5.0
NE	2.7	5.6	1.3	.1								9.7	4.9
ENE	1.7	4.3	.8									6.8	4.5
E	1.2	1.4	.1									2.7	3.8
ESE	.5	.5	.1									1.2	3.8
SE	1.0	.5										1.5	3.7
SSE	1.0	1.1	.2									2.3	4.0
S	.4	1.3										1.7	4.1
SSW	1.3	2.7	.5									4.5	4.6
SW	2.4	5.3	1.3									8.9	4.7
WSW	1.7	5.7	1.1	.1								8.6	4.9
W	.9	3.8	.3	.1								5.1	4.7
WNW	1.1	1.1	.3	.1								2.6	4.8
NW	1.5	2.4	.2									4.1	4.3
NNW	.9	2.3										3.1	4.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	24.7	//////
TOTALS	21.8	45.3	7.7	.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	4.1	.3									5.2	4.6
NNE	1.3	4.5	1.1	.1								7.0	4.9
NE	2.5	6.9	1.7	.1								11.2	4.6
ENE	2.4	5.2	.4	.1								8.1	4.3
E	1.6	2.4	.3									4.3	4.1
ESE	.3	.6										1.0	4.1
SE	.6	.6										1.3	3.6
SSE	.5	1.3	.2									2.0	4.5
S	1.1	1.9										3.0	3.9
SSW	1.4	1.2	.1	.1								2.8	4.1
SW	1.1	4.3	.5	.1								6.0	4.8
WSW	2.0	4.5	.6									7.2	4.4
W	1.9	3.1	.3									5.4	4.3
WNW	.2	1.2	.3									1.7	5.0
NW	.6	1.7	.2									2.6	4.3
NNW	.6	1.3	.2									2.2	4.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	29.1	//////
TOTALS	19.0	44.8	6.5	.5								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	2.6	.4									4.6	4.5
NNE	1.3	3.5	1.5									6.3	5.1
NE	1.4	7.3	1.6	.1								10.4	5.0
ENE	2.8	9.4	1.2	.2								13.5	4.7
E	2.5	3.1	.1									5.7	3.9
ESE	1.0	.9										1.8	3.6
SE	1.1	1.2	.1									2.4	3.9
SSE	.4	.9										1.3	3.8
S	1.3	1.3	.1									2.7	3.8
SSW	1.3	1.8	.2									3.3	4.4
SW	1.3	3.8	.9	.2								6.1	5.0
WSW	1.5	4.4	1.2	.1								7.2	4.9
W	1.1	2.8	.9									4.7	4.8
WNW	.8	.9	.1									1.7	4.1
NW	1.1	1.3	.1									2.5	4.3
NNW	.9	.8	.1									1.7	4.0
VARIABLE													
CALM												23.9	
TOTALS	21.2	45.8	8.5	.6								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	2.5	1.5									4.8	5.2
NNE	1.2	4.2	1.3	.1								6.8	5.2
NE	2.3	6.2	2.3	.4								11.2	5.5
ENE	.8	4.1	2.0	.2								7.1	5.8
E	1.6	2.8	.9	.1								5.4	4.8
ESE	.6	1.2	.2									2.0	4.3
SE	.6	1.2	.2									2.0	4.2
SSE	.8	.6										1.4	3.9
S	.9	1.8	.8	.1								3.5	5.2
SSW	.4	2.7	.9	.3								4.3	5.8
SW	.5	4.0	3.9	.9								9.2	6.9
WSW	1.2	6.3	4.6	.3								12.5	6.2
W	.8	4.0	2.0	.3								7.1	5.9
WNW	1.0	1.6	.6									3.2	4.8
NW	.8	1.7	.4									2.9	4.5
NNW	1.1	1.9	.1									3.1	4.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.3	//////
TOTALS	15.3	46.9	21.7	2.8								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	7.1	2.6	.8								11.4	6.0
NNE	.6	2.9	1.6									5.2	5.5
NE	.1	3.3	1.7	.5								5.7	6.5
ENE	.4	2.9	2.2									5.5	5.7
E	.3	2.5	.6									3.4	5.1
ESE	.5	.9	.3									1.7	4.8
SE	.1	.8		.1								1.0	5.7
SSE		1.1	.1									1.2	5.0
S	.3	1.9	.4	.3								3.0	5.6
SSW	.2	2.3	2.4	.9								5.7	7.4
SW	.4	4.9	3.7	2.3								11.3	7.7
WSW	.4	4.2	4.0	1.1	.1							9.8	7.2
W	.4	5.8	4.0	.3								10.5	6.4
WNW	.3	3.7	1.9	.3								6.2	6.2
NW	.6	5.1	2.8									8.5	5.8
NNW	.2	2.5	1.4	.1								4.2	5.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.7	//////
TOTALS	6.1	51.7	29.7	6.7	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1500-1730

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	7.0	4.3	.2								12.8	6.1
NNE	.1	3.1	1.9	.3								5.5	6.5
NE	.3	2.7	3.1	.4								6.6	6.8
ENE	.3	2.0	1.9	.4								4.7	6.7
E	.3	2.3	1.5	.2								4.3	6.4
ESE		1.5	.8									2.3	5.8
SE		.9	.4									1.3	5.8
SSE	.1	.6	.4									1.2	5.5
S	.2	1.6	.8	.2	.1							2.9	6.7
SSW	.4	2.8	1.4	1.1								5.7	7.0
SW	.4	2.7	4.4	1.9	.1							9.6	8.0
WSW	.3	3.2	4.7	.8								9.0	7.3
W	.5	3.9	5.2	.9								10.4	7.1
WNW	.2	3.1	2.0	.5								5.9	6.6
NW	.6	4.7	2.6	.4								8.4	6.2
NNW	.2	4.3	.9									5.4	5.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	4.1	//////
TOTALS	5.5	46.5	36.3	7.4	.2							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.5	6.2	3.3									11.1	5.5
NNE	.6	4.7	2.7	.1								8.2	5.9
NE	1.4	4.5	1.5									7.4	5.3
ENE	1.0	4.7	1.9									7.6	5.5
E	.3	2.5	.1	.2								3.1	5.2
ESE	.2	1.8	1.0									3.0	5.5
SE		1.9	.4									2.4	5.6
SSE	.3	1.0	.2									1.5	4.8
S	.2	1.6	.9									2.7	5.5
SSW	1.0	4.3	1.4	.4								7.1	5.7
SW	.9	8.7	2.6	.3								12.5	5.4
WSW	1.0	4.4	1.4	.5								7.3	5.6
W	.5	3.5	1.4									5.5	5.5
WNW	.2	2.4	.9	.1								3.5	5.8
NW	1.1	4.2	.6	.2								6.1	5.1
NNW	.8	3.3	.6		.1							4.8	5.2
VARIABLE													
CALM												6.1	
TOTALS	11.0	59.9	21.0	1.9	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	3.3	1.1									5.6	5.0
NNE	1.4	2.9	1.0		.1							5.4	5.2
NE	1.9	6.5	1.9									10.3	4.9
ENE	1.9	7.6	.3									9.9	4.4
E	1.3	3.3	.4									5.1	4.5
ESE	.4	1.5	.1									2.0	4.5
SE	.8	1.5	.2									2.5	4.2
SSE	.6	1.4										2.0	4.1
S	1.3	2.0	.2	.1								3.7	4.5
SSW	1.0	4.6	.5									6.1	4.6
SW	2.6	5.8	.6									9.0	4.4
WSW	2.2	5.4	1.5									9.0	5.0
W	1.1	2.3	.8	.1								4.2	5.1
WNW	.4	1.3	.6									2.4	5.1
NW	.3	1.3	.2	.1								1.9	5.1
NNW	.4	1.8	.1									2.4	4.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.5	//////
TOTALS	18.8	52.6	9.7	.3	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	4.5	1.7	.1								7.6	5.4
NNE	1.0	3.8	1.5	.1	.0							6.5	5.4
NE	1.6	5.4	1.9	.2								9.1	5.3
ENE	1.4	5.0	1.3	.1								7.9	5.0
E	1.1	2.5	.5	.1								4.2	4.7
ESE	.5	1.1	.3									1.9	4.7
SE	.5	1.1	.2	.0								1.8	4.5
SSE	.5	1.0	.1									1.6	4.4
S	.7	1.7	.4	.1	.0							2.9	5.0
SSW	.9	2.8	.9	.3								4.9	5.6
SW	1.2	4.9	2.2	.7	.0							9.1	6.0
WSW	1.3	4.8	2.4	.4	.0							8.8	5.8
W	.9	3.6	1.9	.2								6.6	5.8
WNW	.5	1.9	.9	.1								3.4	5.7
NW	.8	2.8	.9	.1								4.6	5.3
NNW	.6	2.3	.4	.0	.0							3.4	4.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.7	//////
TOTALS	14.8	49.2	17.6	2.6	.1							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	3.9	1.4									6.7	5.3
NNE	2.2	4.8	1.6									8.6	5.0
NE	2.2	7.3	3.3	.2								13.1	5.4
ENE	1.2	5.2	1.0	.6								8.0	5.3
E	.9	2.0										2.9	3.8
ESE	.3	.7										1.0	3.7
SE	.4	.7										1.1	3.9
SSE	.7	.8										1.4	3.6
S	.4	.7	.1									1.2	4.3
SSW	1.0	1.9	.4									3.3	4.6
SW	1.3	3.3	.7	.3								5.7	5.2
WSW	.9	5.8	.2	.1	.1							7.1	4.7
W	1.0	2.8	.3									4.1	4.5
WNW	1.0	1.6										2.6	3.9
NW	1.0	1.4	.1									2.6	4.0
NNW	.8	1.9	.2									2.9	4.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	27.8	//////
TOTALS	16.8	44.7	9.4	1.2	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	3.9	.6									6.2	4.5
NNE	1.3	4.1	1.7	.2								7.3	5.5
NE	2.7	10.2	2.8	.3								16.0	5.1
ENE	2.3	8.1	.6	.1								11.1	4.5
E	1.0	2.7	.1									3.8	4.0
ESE	1.1	.6										1.7	3.6
SE	.7	.9	.1									1.7	4.0
SSE	.4	.6										1.0	3.6
S	.8	.9										1.7	3.7
SSW	.4	1.2	.3									2.0	4.7
SW	.7	1.8		.2								2.7	5.0
WSW	1.2	2.3	1.3		.1							5.0	5.2
W	.6	2.6	.7		.1							3.9	5.3
WNW	.1	.9										1.0	4.1
NW	.7	1.7	.1									2.4	4.0
NNW	.6	1.8	.1									2.4	4.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	30.1	//////
TOTALS	16.3	44.1	8.3	.9	.2							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	3.2	.8	.1								5.6	4.9
NNE	1.7	4.2	2.0	.2								8.1	5.4
NE	1.9	9.0	3.7	.3								14.9	5.6
ENE	3.1	9.6	1.4	.1								14.2	4.5
E	3.0	2.7	.2									5.9	3.8
ESE	.8	1.8										2.6	3.8
SE	1.1	1.1										2.2	3.6
SSE	.6	.7										1.2	3.6
S	.3	1.0										1.3	4.3
SSW	.4	1.4	.2									2.1	4.7
SW	.9	2.4	.3									3.7	4.6
WSW	.8	2.0	.6	.3								3.7	5.4
W	.4	1.8	.3	.1								2.7	5.5
WNW	.9	.8	.1									1.8	4.1
NW	.6	1.0	.1									1.7	4.2
NNW	.4	1.7										2.1	4.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	26.3	//////
TOTALS	18.3	44.3	9.8	1.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	3.6	2.0	.1								6.9	5.5
NNE	.6	2.7	2.6	.3								6.1	6.4
NE	1.4	6.7	4.6	1.4								14.1	6.5
ENE	1.3	7.7	3.2	.8	.1							13.1	6.1
E	2.4	3.8	.7									6.9	4.5
ESE	.7	.8										1.4	3.9
SE	.6	1.1	.3									2.0	4.6
SSE	.3	.6	.3									1.2	5.0
S	1.1	1.7	.1									2.9	4.2
SSW	.9	1.4	.7									3.0	4.7
SW	.3	2.9	1.9	.7								5.8	6.6
WSW	.4	4.3	2.1	.4								7.3	6.1
W	1.1	2.6	1.4	.1								5.2	5.4
WNW	1.0	2.2	.4	.2								3.9	5.2
NW	.4	2.1	.2									2.8	4.5
NNW	1.0	1.8	.3									3.1	4.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.2	//////
TOTALS	14.9	45.8	20.9	4.1	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	6.7	2.6	.6								9.9	5.8
NNE	.2	4.0	2.4	.4								7.1	6.6
NE	.4	3.6	4.3	1.2	.1							9.7	7.4
ENE	.1	3.8	3.1	.6	.1							7.7	7.0
E	.4	1.9	1.2	.1								3.7	6.3
ESE		1.6	.1									1.7	4.7
SE	.1	1.0	.4									1.6	5.4
SSE	.1	.6	.3									1.0	5.6
S		1.1	.4	.3								1.9	7.1
SSW	.8	2.9	.9	.2								4.8	5.8
SW	.6	3.0	3.3	1.1	.1							8.1	7.4
WSW	.6	4.3	5.2	.6								10.7	6.9
W	.7	4.6	2.8	.7								8.7	6.4
WNW	.7	3.9	1.8	.1								6.4	5.5
NW	.6	4.2	1.9									6.7	5.6
NNW	.3	3.2	1.6	.2								5.3	6.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.2	//////
TOTALS	6.3	49.6	32.4	6.1	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	6.9	4.3	.6								12.4	6.1
NNE	.6	2.8	2.9	.7								6.9	7.0
NE	.3	4.3	3.1	1.3								9.1	7.2
ENE	.4	4.1	3.2	.7								8.4	6.6
E	.1	1.7	1.7	.3								3.8	6.9
ESE	.3	.7										1.0	4.0
SE	.2	.3	.4	.2								1.2	7.2
SSE	.2	1.0	.4	.1								1.8	6.1
S		1.2	1.8	.1								3.1	6.6
SSW	.2	1.1	2.3	.7								4.3	7.5
SW	.2	3.2	3.7	.8								7.9	7.1
WSW	.4	3.3	4.3	.8								8.9	7.1
W	.1	4.1	4.0	.1	.1							8.4	6.8
WNW		3.8	2.7	.1								6.6	6.5
NW	.3	3.2	2.7	.3								6.6	6.7
NNW	.4	3.9	1.3	.6								6.2	6.2
VARIABLE													
CALM												3.3	
TOTALS	4.7	45.7	38.9	7.3	.1							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1800-2400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	10.5	2.8	.3								14.0	5.6
NNE	.1	5.0	2.1	.3								7.6	6.1
NE	1.0	7.6	1.7	.4								10.7	5.4
ENE	.6	7.2	1.9	.1								9.8	5.5
E	.6	3.1	.6	.1								4.3	4.9
ESE	.1	2.1	.3	.1								2.7	5.3
SE	.1	1.4	.1	.1								1.8	5.3
SSE	.3	.9	.4	.1								1.8	5.6
S	.2	1.8	.1	.1								2.2	5.3
SSW	.2	3.7	1.3	.1								5.3	5.8
SW	.9	6.1	1.3	.1								8.5	5.0
WSW	.7	5.6	.9	.2								7.3	5.3
W	.2	2.8	.4									3.5	5.2
WNW	.7	3.2	.6	.1								4.6	5.0
NW	.4	3.2	.6									4.2	4.8
NNW	.6	2.8	.6									3.9	5.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	7.8	//////
TOTALS	7.1	67.0	15.7	2.3								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	4.9	.9									6.2	5.1
NNE	.8	4.3	1.7	.2								7.0	5.7
NE	1.3	8.4	2.6	.8								13.0	5.6
ENE	2.3	5.5	.6									8.4	4.4
E	1.1	3.0	.2									4.3	4.2
ESE	1.1	2.0	.2	.1								3.5	4.4
SE	.9	1.4	.1									2.5	4.1
SSE	.9	1.1	.1									2.1	3.8
S	.8	1.6	.7	.1	.1							3.2	5.5
SSW	1.7	2.9	.3	.1								5.0	4.5
SW	1.7	5.0	.7									7.4	4.7
WSW	1.1	6.4	.3									7.8	4.4
W	.7	2.6	.2									3.5	4.4
WNW	.4	.9										1.3	4.0
NW	.7	1.3	.1									2.1	4.4
NNW	.3	1.3										1.7	4.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.0	//////
TOTALS	16.3	52.6	8.7	1.3	.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	5.4	1.9	.2								8.5	5.5
NNE	.9	4.0	2.1	.3								7.3	5.9
NE	1.4	7.1	3.3	.8	.0							12.6	5.9
ENE	1.4	6.4	1.9	.4	.0							10.1	5.4
E	1.2	2.6	.6	.1								4.4	4.7
ESE	.6	1.3	.1	.0								1.9	4.3
SE	.5	1.0	.2	.0								1.8	4.7
SSE	.4	.8	.2	.0								1.4	4.6
S	.5	1.2	.4	.1	.0							2.2	5.3
SSW	.7	2.1	.8	.1								3.7	5.4
SW	.8	3.5	1.5	.4	.0							6.2	5.6
WSW	.8	4.3	1.9	.3	.0							7.2	5.8
W	.6	3.0	1.3	.1	.0							5.0	5.7
WNW	.6	2.2	.7	.1								3.5	5.3
NW	.6	2.3	.7	.0								3.6	5.2
NNW	.6	2.3	.5	.1								3.5	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.0	//////
TOTALS	12.6	49.2	18.0	3.1	.1							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	5.5	1.8	.2								9.4	5.3
NNE	1.4	4.4	2.8									8.6	5.6
NE	1.9	8.1	1.9									11.9	4.9
ENE	2.0	5.6	.4									8.1	4.3
E	1.3	1.8										3.1	3.7
ESE	1.0	.3	.1	.1								1.5	4.1
SE	1.2	1.0	.1									2.3	3.9
SSE	.6	.1										.8	3.1
S	.6	1.0	.4		.1							2.2	5.4
SSW	.5	1.6	.6	.2								3.0	5.6
SW	.5	2.7	.6		.1							4.0	5.3
WSW	1.4	3.7	1.1	.3								6.5	5.1
W	.5	2.8	1.4	.4								5.2	6.1
WNW	.3	.6	.5	.4								1.9	6.9
NW	.5	1.6	.5									2.7	5.0
NNW	.6	1.9	.2									2.8	4.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	26.2	//////
TOTALS	16.5	42.7	12.7	1.7	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-0530

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	5.7	1.4									8.2	4.9
NNE	.8	5.2	2.8	.1								8.8	5.7
NE	2.6	9.0	1.9	.2								13.8	4.9
ENE	3.1	7.6	.4	.1								11.3	4.3
E	1.7	2.5	.1									4.3	4.0
ESE	.2	1.0										1.2	4.0
SE	.6	.5										1.2	3.6
SSE	.3	.4										.8	3.9
S	.2	.6										.9	4.3
SSW	.5	.9	.5	.1								2.0	5.8
SW	.9	2.2	1.2	.3	.1							4.6	6.1
WSW	1.0	2.5	1.3	.1								4.8	5.4
W	1.4	2.0	.9	.2								4.5	5.3
WNW	.4	1.1	.8									2.3	5.5
NW	.2	1.1	.3									1.6	4.6
NNW	.6	1.4	.1									2.2	4.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	27.6	//////
TOTALS	15.7	43.7	11.7	1.2	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0630

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	3.7	.4	.1								4.9	4.7
NNE	.9	4.0	2.2	.2								7.2	5.7
NE	2.8	8.1	3.7	.8								15.3	5.5
ENE	2.9	6.3	.8									10.0	4.3
E	1.9	3.1	.1									5.2	3.9
ESE	1.4	.9		.1								2.4	3.8
SE	.9	.2										1.1	3.2
SSE	.3	.9										1.1	4.1
S	.2	.9	.2	.1								1.4	5.2
SSW	.2	1.2	.2	.2								1.8	6.0
SW	.5	1.6	.9	.2								3.2	5.9
WSW	.6	3.0	1.4	.1								5.2	5.5
W	.8	2.0	1.4	.4								4.6	6.3
WNW	.1	.9	1.0	.1		.1						2.2	7.6
NW	.6	.8	.2									1.6	4.3
NNW	.6	.6	.1	.2								1.6	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	31.3	//////
TOTALS	15.6	30.0	12.5	2.6		.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.5	3.4	1.9	.2								7.1	5.2
NNE	.9	4.5	2.0	.2								7.6	5.7
NE	1.5	7.4	5.3	1.3								15.5	6.5
ENE	2.2	6.1	3.0	.4	.1							11.8	5.7
E	1.7	4.0	.6	.1								6.5	4.8
ESE	1.0	1.1										2.0	3.8
SE	.4	.2	.1									.8	4.3
SSE	.4	.5	.3	.1								1.4	5.2
S	.3	.4	.3	.1								1.5	5.6
SSW	.3	1.7	.8	.2								3.0	6.0
SW	1.0	1.8	1.6	.9								5.3	7.1
WSW	.5	3.5	3.3	1.4								8.8	7.3
W	1.0	2.3	2.4	.8	.1							6.5	7.0
WNW	.2	1.4	1.4	.1								3.1	6.4
NW	.8	1.8	.4	.1								3.1	5.1
NNW	.8	1.9	.2									2.9	4.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.1	//////
TOTALS	14.4	42.6	23.8	5.9	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	4.5	1.4	.2								8.0	5.1
NNE	.4	3.3	2.3	.5								6.6	6.4
NE	.9	4.6	3.8	1.1								10.3	6.6
ENE	.6	4.4	2.9	.4								8.4	6.2
E	.6	1.9	.4	.1								3.1	5.1
ESE		.6	.1	.1								.9	6.3
SE	.5	.6		.1								1.3	4.5
SSE	.5	.8		.1								1.4	4.6
S	.3	1.0	.5	.4								2.3	6.5
SSW	.2	1.6	1.6	.9								4.3	7.3
SW	.1	2.3	3.7	2.3	.2							8.5	8.9
WSW	.8	3.2	4.3	3.3	.5							12.2	8.9
W	1.1	4.6	2.4	2.9								11.0	7.4
WNW	.1	2.0	1.4	.8								4.3	7.3
NW	1.2	2.5	1.5	.6								5.8	6.1
NNW	1.2	1.6	1.0									3.8	5.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	8.1	//////
TOTALS	10.4	39.7	27.2	13.9	.8							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	5.2	2.8	.6								9.4	6.3
NNE	.4	3.3	2.8	.5								7.1	6.6
NE	.3	5.5	2.3	.4								8.5	6.0
ENE	.3	4.6	1.9	.6								7.5	6.3
E	.6	1.2	.8									2.6	5.4
ESE		.8										.8	4.7
SE	.1	.2	.3	.2								.9	7.1
SSE		.4	.9	.1								1.4	7.8
S	.1	1.3	1.3	.3								3.0	6.8
SSW	.5	1.7	1.7	.6								4.6	7.1
SW	.3	2.8	4.3	1.7	.3							9.5	8.4
WSW	.2	3.2	3.4	2.5	.3							9.7	8.7
W	.5	4.5	4.5	1.3								10.9	7.4
WNW	.5	3.1	2.6	.8								7.0	6.6
NW	1.2	3.2	1.4	.6	.1							6.6	6.3
NNW	.2	3.3	1.0	.2								4.7	5.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	6.0	//////
TOTALS	6.2	44.4	31.9	10.6	.8							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	4.5	2.9	.4								8.8	6.1
NNE	.4	3.8	1.7	.4								6.3	6.0
NE	.6	6.3	1.8	.2								9.3	5.6
ENE	1.1	8.1	.9	.3	.1							10.4	5.2
E	1.0	2.2	.3	.1								3.5	4.6
ESE	.6	1.2										1.8	4.2
SE	.2	1.2	.1									1.5	4.5
SSE	.8	.8	.3									1.8	4.7
S	.3	2.3	.4	.1								3.1	5.5
SSW	.8	4.9	1.0	.1								6.8	5.1
SW	1.4	4.1	1.5	.8								7.7	5.9
WSW	.6	3.9	1.1	.4								6.0	5.6
W	.9	3.4	2.5	.5								7.3	6.2
WNW	.3	2.7	1.4	.1								4.5	6.0
NW	.6	1.5	.8									2.9	5.5
NNW	.5	1.7	.4									2.7	4.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.6	//////
TOTALS	11.2	52.5	17.1	3.5	.1							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	2.8	2.4	.4								6.0	6.6
NNE	.6	4.6	2.7	.1								8.1	5.7
NE	1.5	5.8	2.7									10.0	5.5
ENE	1.2	5.1	.4	.1								6.8	4.8
E	2.0	2.3										4.3	3.8
ESE	1.2	1.4										2.6	3.7
SE	1.1	1.4	.1									2.6	3.9
SSE	1.2	1.1	.1	.2								2.6	4.5
S	.9	1.3	.8	.3	.1							3.3	5.9
SSW	1.6	2.9	.6	.1								5.3	4.8
SW	.3	4.8	1.1	.6								6.9	6.0
WSW	1.2	4.2	.6	.2								6.2	4.9
W	.8	2.8	.6	.2								4.4	5.3
WNW	.2	2.0	.2	.4	.1							3.0	6.1
NW	1.0	1.3	.3									2.6	4.4
NNW	.6	1.5	.2									2.4	4.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	23.0	//////
TOTALS	15.8	45.3	12.9	2.8	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	4.4	1.9	.3								7.7	5.5
NNE	.7	4.1	2.4	.3								7.5	5.9
NE	1.5	6.9	2.9	.5								11.8	5.7
ENE	1.7	6.0	1.3	.3	.0							9.3	5.1
E	1.4	2.4	.3	.0								4.1	4.4
ESE	.7	.9	.0	.0								1.6	4.1
SE	.6	.7	.1	.0								1.4	4.2
SSE	.5	.6	.2	.1								1.4	4.9
S	.4	1.1	.5	.2	.0							2.2	5.8
SSW	.6	2.1	.9	.3								3.9	5.9
SW	.6	2.8	1.9	.8	.1							6.2	7.0
WSW	.8	3.4	2.1	1.0	.1							7.4	6.9
W	.9	3.1	2.0	.8	.0							6.8	6.6
WNW	.3	1.7	1.2	.3	.0	.0						3.5	6.6
NW	.8	1.7	.7	.2	.0							3.4	5.5
NNW	.7	1.8	.4	.1								2.9	5.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.9	//////
TOTALS	13.2	43.6	18.7	5.3	.3	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	5.8	1.7									8.7	5.1
NNE	.7	4.6	2.8	.2								8.2	5.9
NE	1.3	7.1	2.4	.3								11.2	5.5
ENE	1.7	5.3	.8	.4								8.2	5.2
E	1.3	1.8	.1									3.2	3.8
ESE	.4	.7										1.1	4.0
SE	1.2	.7	.3	.1								2.3	4.6
SSE	.9	.7	.2	.2								2.0	5.1
S	.3	.7	.7	.6								2.2	8.0
SSW	.7	1.6	.3	.6	.1							3.2	6.4
SW	.9	2.0	1.3	1.2	.2							5.7	7.8
WSW	.4	2.9	1.8	1.1	.1							6.3	7.3
W	.3	3.1	1.8	.7	.1							6.0	7.0
WNW	.4	.8	1.0	.6	.1							2.9	7.6
NW	.7	1.8	.4	.1								3.0	5.1
NNW	.7	2.0	.2									2.9	4.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	22.8	//////
TOTALS	13.2	41.3	15.9	6.1	.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	4.3	1.8	.2								8.1	5.3
NNE	.9	3.4	1.4									5.8	5.3
NE	1.3	7.0	3.3	.2								11.9	5.5
ENE	1.9	5.1	1.9	.3								9.2	5.3
E	1.3	3.2	.2									4.8	4.1
ESE	.2	1.4										1.7	4.1
SE	.6	.3										.9	3.9
SSE	.3	.8		.1								1.2	4.9
S	.6	.6	.7	.3	.1							2.2	7.3
SSW	.4	.9	.1	.4	.1							2.0	6.8
SW	.2	1.8	1.1	1.6	.1							4.8	9.0
WSW	.4	3.4	2.3	.9	.1							7.2	7.2
W	.7	2.1	1.0	1.0								4.8	7.4
WNW	.4	.9	.7	.1	.1							2.2	6.7
NW	.6	2.1	.1	.3								3.1	5.7
NNW	.6	2.0	.8									3.3	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	26.8	//////
TOTALS	12.2	39.4	15.4	5.6	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	4.6	2.0	.3								8.3	5.6
NNE	1.0	4.8	2.0	.1								7.9	5.4
NE	1.4	7.2	3.0	.2								11.9	5.6
ENE	1.3	6.6	1.4	.1								9.4	5.0
E	2.4	2.4	.1	.1								5.1	4.1
ESE	.3	1.1										1.4	4.0
SE	1.0	.7		.1								1.8	3.9
SSE	.7	.7										1.3	3.9
S	.2		.3		.1							.7	8.5
SSW	.1	1.2	.9	.2								2.4	6.7
SW	.3	3.2	1.3	.6	.3							5.8	7.0
WSW	.2	2.2	1.4	1.1	.1							5.1	7.5
W	.6	2.1	1.1	.9								4.7	7.0
WNW	.2	.8	.7	.4								2.1	7.5
NW	.3	1.1	.7	.4								2.6	6.7
NNW	.7	1.8	.6	.3								3.3	5.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	26.1	//////
TOTALS	12.3	40.4	15.6	5.0	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	3.8	2.6	.4								8.4	5.8
NNE	1.4	3.7	2.9	.6								8.6	6.3
NE	1.1	7.2	7.2	1.0								16.6	6.7
ENE	1.9	7.0	2.2	.3								11.4	5.3
E	1.8	2.4	.7									4.9	4.6
ESE	.1	1.2	.2									1.6	5.1
SE	.7	.4				.1						1.2	5.3
SSE	.8	.6										1.3	3.8
S	.1	1.0	.1	.6	.1							1.9	8.2
SSW		.9	.8	.8		.1						2.6	9.6
SW	.3	1.9	1.6	1.3	.1							5.2	8.0
WSW	.7	3.0	3.0	1.0	.2							7.9	7.6
W	.2	2.3	2.1	1.2								5.9	7.8
WNW	.4	.9	.8	.7								2.8	7.3
NW	.7	1.4	.2									2.3	4.6
NNW	.3	1.7	.9									2.9	5.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.6	//////
TOTALS	12.2	39.4	25.2	7.9	.4	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	3.1	2.1	.3								7.1	5.8
NNE	.3	3.4	3.4	.4								7.7	6.9
NE	1.0	5.9	5.0	1.0								12.9	6.5
ENE	.8	2.7	2.4	.4								6.3	6.5
E	.8	2.6	.9	.1								4.3	5.2
ESE	.7	1.0										1.7	4.1
SE	.6	.4										1.0	3.6
SSE	.1	.4	.4									1.0	5.9
S	.2	.8	.3	.9	.2							2.4	9.3
SSW	.4	2.3	1.0	1.0	.4	.1						5.3	8.4
SW		2.2	2.9	2.4	.3	.2						8.1	9.7
WSW	.7	3.7	2.6	3.3	.4							10.7	8.9
W	.9	2.1	3.9	2.3	.2							9.4	8.4
WNW	.7	1.7	2.0	.3								4.7	6.8
NW	.7	1.9	.3	.1								3.0	5.1
NNW	1.4	1.8	.2									3.4	4.2
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.9	//////
TOTALS	10.8	36.0	27.6	12.8	1.7	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	3.2	2.2									6.4	5.7
NNE	.4	3.0	2.3	.4								6.2	6.3
NE	1.8	6.0	4.9	.8								13.4	6.3
ENE	.6	4.9	1.8	.2								7.4	5.6
E	.7	2.0	1.0									3.7	5.4
ESE	.3	.7	.2									1.2	5.1
SE	.2	.6		.1								.9	5.1
SSE	.1	.1	.2									.4	6.8
S	.7	.9	.8	.9	.1							3.3	7.9
SSW	.2	1.6	1.7	.7								4.1	7.4
SW	.6	1.9	4.1	2.6	.2							9.3	8.7
WSW	.4	3.0	3.8	1.9	.7	.1						9.9	8.9
W	.8	2.2	4.7	1.2	.3							9.2	8.1
WNW	.6	2.3	2.7	.4								6.0	6.7
NW	1.0	2.6	.6	.1	.2							4.4	5.6
NNW	.8	1.8	.8									3.3	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.6	//////
TOTALS	10.1	36.7	31.7	9.3	1.6	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	3.9	3.2	.1								7.9	6.1
NNE	.6	3.7	2.4	.8								7.4	6.4
NE	1.4	7.2	2.6	.1								11.3	5.5
ENE	1.2	6.4	1.1	.1								8.9	4.9
E	.9	2.4	.2	.1								3.7	4.7
ESE	.4	.6	.1									1.1	4.1
SE	.8	.9	.3									2.0	4.6
SSE	.4	1.0	.1									1.6	4.2
S	.6	1.2	.2	.3	.1							2.4	6.5
SSW	.6	1.4	.9	.3								3.2	6.3
SW	1.1	3.3	3.2	.6								8.2	6.3
WSW	.9	3.6	2.8	1.2								8.4	6.8
W	.4	2.6	2.8	1.2								7.0	7.4
WNW	.4	1.9	2.0	.3								4.7	6.6
NW	.1	1.6	.8	.2								2.7	6.4
NNW	.3	1.2	.6									2.1	5.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.3	//////
TOTALS	10.9	42.9	23.3	5.4	.1							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	3.8	1.7	.3								6.7	5.6
NNE	.9	4.7	3.1	.3	.1							9.1	6.2
NE	1.9	6.3	3.0	.3								11.6	5.6
ENE	1.0	4.1	1.0	.2								6.3	5.1
E	1.3	1.2										2.6	3.6
ESE	.8	.3	.1									1.2	3.6
SE	1.2	1.1	.2									2.6	4.2
SSE	.7	1.0										1.7	3.6
S	.3	1.3	.3	.1								2.1	5.4
SSW	.6	1.6	.6	.4	.1							3.2	6.8
SW	1.0	2.2	2.4	1.2	.3							7.2	7.6
WSW	.4	3.6	1.9	.2								6.1	6.0
W	.7	2.8	2.9	.9		.1						7.3	7.2
WNW	.1	1.7	1.0	.3		.1						3.2	7.1
NW	.3	1.9	.9	.1								3.2	6.1
NNW	.4	1.6	.4		.1							2.6	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	23.3	//////
TOTALS	12.6	39.1	19.6	4.6	.7	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	4.1	2.2	.2								7.7	5.6
NNE	.8	3.9	2.6	.4	.0							7.6	6.1
NE	1.4	6.7	3.9	.5								12.6	6.0
ENE	1.3	5.3	1.6	.3								8.4	5.3
E	1.3	2.3	.4	.0								4.0	4.5
ESE	.4	.9	.1									1.4	4.3
SE	.8	.6	.1	.0		.0						1.6	4.4
SSE	.5	.7	.1	.0								1.3	4.6
S	.4	.8	.4	.5	.1							2.2	7.6
SSW	.4	1.4	.8	.6	.1	.0						3.3	7.4
SW	.6	2.3	2.2	1.4	.2	.0						6.8	8.0
WSW	.5	3.2	2.4	1.3	.2	.0						7.7	7.7
W	.6	2.4	2.5	1.2	.1	.0						6.8	7.6
WNW	.4	1.4	1.3	.4	.0	.0						3.6	7.0
NW	.5	1.8	.5	.2	.0							3.0	5.6
NNW	.7	1.7	.6	.0	.0							3.0	5.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.0	//////
TOTALS	11.8	39.4	21.8	7.1	.8	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	4.7	2.4	.5								8.6	5.9
NNE	1.1	4.1	2.8	.3								8.3	6.1
NE	1.6	6.2	2.6	.1								10.5	5.4
ENE	1.3	5.9	.4									7.6	4.6
E	.8	1.6										2.4	4.0
ESE	.2	.3	.1									.6	4.3
SE	.4	.2										.6	3.3
SSE	.3	.6	.1									1.1	4.5
S	.4	1.1	.4	.1	.1	.1						2.3	7.1
SSW	.2	1.7	.4	.5	.3							3.2	7.9
SW	1.0	2.0	2.0	1.2	.3							6.6	7.8
WSW	.4	4.5	4.1	.8	.1							9.9	6.8
W	.4	3.3	4.1	1.0		.1						8.9	7.4
WNW	.8	1.6	1.4	1.0	.1							4.8	7.3
NW	.2	1.4	1.3	.2	.1							3.2	6.6
NNW	.6	2.0	1.0	.1								3.8	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.5	//////
TOTALS	10.8	41.5	23.1	5.8	1.1	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	5.1	2.8	.4								9.2	6.1
NNE	1.5	4.1	2.9	.3								8.8	6.0
NE	1.6	6.7	2.4	.3								11.0	5.4
ENE	1.3	5.2	.6	.2								7.3	4.9
E	1.5	1.8										3.3	3.8
ESE	.6	.8	.1									1.5	4.1
SE	.4	1.4	.1									1.9	4.5
SSE	.3	.1	.1									.5	4.0
S	.8	.9	.6	.2	.2							2.7	6.7
SSW	.3	2.0	.3	.2	.2	.1						3.2	7.3
SW	.9	2.0	1.9	1.5		.2						6.6	8.3
WSW	1.1	3.1	3.0	1.0								8.2	6.9
W	.9	3.4	2.9	1.3								8.5	6.9
WNW	.8	1.7	.9	.8	.1							4.2	7.0
NW	.4	1.3	.4	.3								2.5	6.3
NNW	.6	1.7	1.0	.2								3.5	6.2
VARIABLE													
CALM												17.0	
TOTALS	14.0	41.3	20.1	6.8	.5	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	3.9	2.7	.1	.1							8.0	6.0
NNE	.9	6.6	2.7	.4								10.5	5.8
NE	1.4	5.8	2.8	.4								10.4	5.9
ENE	2.2	6.2	1.0									9.4	4.7
E	1.0	3.1		.1								4.2	4.2
ESE	.9	1.4	.2									2.5	4.4
SE	.3	.8										1.1	4.3
SSE	.2	.1										.3	3.7
S	.5	.8	.3									1.6	4.7
SSW	.4	1.5	1.1	.4	.1							3.5	6.8
SW	.4	2.7	2.0	1.0	.4							6.6	8.0
WSW	.4	3.1	3.0	.8	.2							7.5	7.3
W	.3	2.8	2.6	1.4	.2							7.3	7.9
WNW	.4	1.6	1.3	.4		.1						3.9	7.2
NW	.6	.8	.8	.2								2.4	6.3
NNW	.8	1.6	.8	.1								3.2	5.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.6	//////
TOTALS	11.9	42.7	21.2	5.4	1.1	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0900-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	4.2	2.3	.6								8.5	5.9
NNE	.5	3.3	2.0	1.0								6.9	6.8
NE	1.3	6.0	4.7	2.0								14.1	6.9
ENE	1.6	5.6	2.3	.5								10.0	5.5
E	1.3	2.6	.8	.1								4.7	4.8
ESE	.6	1.3	.3									2.3	4.7
SE	.5	.6	.1									1.3	3.8
SSE	.5	.8		.1								1.4	4.6
S	.1	.6		.1								.9	5.4
SSW	.1	1.0	.4	1.6								3.1	9.2
SW	.5	2.4	2.0	1.9	.6							7.5	9.1
WSW	.2	2.3	2.7	3.0	.1	.1						8.4	9.5
W	.6	2.7	2.3	1.9	.5							8.1	8.5
WNW	.3	1.4	1.3	.5								3.5	7.6
NW	.5	1.7	1.0	.4								3.7	6.5
NNW	.4	1.3	1.0	.2								2.9	6.0
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.8	//////
TOTALS	10.8	37.7	23.1	14.2	1.3	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	3.0	1.6	.6								5.9	6.4
NNE	1.0	2.2	2.3	.6								6.0	6.6
NE	1.1	5.3	3.3	.8								10.4	6.4
ENE	.8	3.4	1.7	.5								6.5	6.3
E	.8	1.5	.2	.1								2.6	4.7
ESE	.8	1.0	.1									1.8	4.4
SE	.4	.3	.3	.1								1.2	5.7
SSE	.1	.5	.1									.8	4.7
S	.4	1.3	.3	1.4								3.4	8.3
SSW	.3	1.4	.8	.8	.1							3.3	7.9
SW	.8	1.2	3.7	5.6	1.3	.1						12.6	11.3
WSW	.4	2.8	3.1	4.4	1.0							11.7	10.0
W	1.0	3.2	3.8	2.6	.6	.1						11.3	8.8
WNW	.3	2.5	1.7	.8	.1							5.4	7.4
NW	.3	1.6	1.0	.2	.2							3.3	7.2
NNW	1.0	1.5	1.0	.2								3.7	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.1	//////
TOTALS	10.0	32.7	24.9	18.7	3.3	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	3.4	2.9	.4								8.0	6.3
NNE	.6	1.8	2.3									4.7	6.4
NE	.5	6.0	4.2	.4								11.2	6.3
ENE	.6	1.8	2.3	.4								5.2	6.5
E	.4	1.2	.6	.1								2.4	5.4
ESE	.3	.8	.2		.1							1.4	5.5
SE	.5	.2	.1	.2								1.1	5.9
SSE	.2			.1								.3	6.7
S	.5	1.2	.9	.6	.2							3.4	7.5
SSW	.5	.8	1.4	1.8	.3							4.8	9.9
SW	.5	2.3	3.2	3.9	.5							10.4	9.7
WSW	.2	4.0	4.0	4.6	.4							13.2	9.3
W	1.0	3.5	3.8	3.1	.1							11.5	8.4
WNW	.2	1.5	1.6	1.3	.2							4.8	9.0
NW	.1	1.9	.9	1.0								3.9	7.4
NNW	.3	2.4	1.0	.2								3.9	5.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	9.8	//////
TOTALS	8.0	32.8	29.2	18.3	1.9							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1800-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	3.5	2.8	.8								8.0	6.7
NNE	.2	3.4	1.6	.3								5.6	6.4
NE	1.0	8.8	2.6	.1								12.5	5.5
ENE	.8	4.3	.8									5.8	5.2
E	1.2	1.3	.2									2.7	4.1
ESE	.6	.9	.1									1.6	4.0
SE	.6	.4										1.1	3.8
SSE	.4	.5	.2	.2								1.4	5.9
S	.4	1.9	.5	.1								3.0	5.0
SSW	.3	1.8	1.2	.8	.3							4.4	7.7
SW	.8	4.1	2.8	1.9	.5							10.1	8.1
WSW	1.7	4.5	2.5	1.2								9.9	6.3
W	1.2	4.3	3.3	1.7								10.5	7.1
WNW		1.8	2.3	1.5								5.6	8.6
NW	.6	2.0	1.1	.8								4.5	6.9
NNW	.5	.9	.6	.2								2.3	5.9
VARIABLE													
CALM												11.1	
TOTALS	11.3	44.6	22.6	9.6	.9							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	4.2	2.7	.4	.2							8.2	6.5
NNE	.6	3.9	2.2	.2								6.9	6.0
NE	1.0	6.7	2.2	.2								10.0	5.7
ENE	.8	4.8	.5									6.1	4.6
E	.9	1.7	.1									2.7	4.3
ESE	.6	1.0										1.6	3.9
SE	.9	1.0	.1									1.9	4.0
SSE	.2	1.2	.1	.1								1.6	5.3
S	.8	.4	1.0		.1							2.3	6.1
SSW	.6	1.7	.5	.9	.1							3.9	7.1
SW	.4	2.6	2.7	1.1	.5	.1						7.4	8.2
WSW	.9	4.1	3.3	.9	.2							9.4	6.9
W	.2	3.1	3.9	1.2								8.5	7.2
WNW	.3	1.7	1.6	1.5								5.2	8.3
NW	.5	1.6	1.4	.4	.1							4.1	6.9
NNW	.4	1.8	.5	.3								3.1	5.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.2	//////
TOTALS	9.9	41.5	22.8	7.2	1.3	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	4.0	2.5	.5	.0							8.0	6.2
NNE	.8	3.7	2.3	.4								7.2	6.2
NE	1.2	6.4	3.1	.6								11.3	6.0
ENE	1.2	4.7	1.2	.2								7.2	5.2
E	1.0	1.9	.2	.1								3.1	4.4
ESE	.6	.9	.1		.0							1.7	4.4
SE	.5	.6	.1	.0								1.3	4.4
SSE	.3	.5	.1	.1								.9	5.0
S	.5	1.0	.5	.3	.1	.0						2.4	6.7
SSW	.4	1.5	.8	.9	.2	.0						3.7	8.0
SW	.7	2.4	2.6	2.3	.5	.1						8.5	9.0
WSW	.7	3.5	3.2	2.1	.3	.0						9.8	8.0
W	.7	3.3	3.3	1.8	.2	.0						9.3	7.8
WNW	.4	1.7	1.5	1.0	.1	.0						4.7	7.8
NW	.4	1.5	1.0	.4	.1							3.4	6.8
NNW	.6	1.7	.8	.2								3.3	5.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.1	//////
TOTALS	10.8	39.4	23.4	10.7	1.4	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	4.1	2.1	.3	.0							7.4	5.8
NNE	.7	3.4	2.2	.3	.0							6.6	6.2
NE	1.1	5.7	3.0	.6	.0	.0						10.4	6.1
ENE	1.1	4.7	1.5	.3	.0							7.6	5.4
E	.9	2.0	.4	.1	.0							3.3	4.7
ESE	.5	.9	.2	.0	.0	.0						1.6	4.6
SE	.4	.8	.2	.1	.0	.0						1.5	4.9
SSE	.4	.6	.2	.1	.0	.0						1.3	5.3
S	.5	1.3	.5	.3	.1	.0						2.7	6.4
SSW	.5	2.1	1.2	.6	.1	.0	.0					4.5	6.9
SW	.7	3.7	2.8	1.6	.3	.0	.0					9.2	7.7
WSW	.8	4.1	3.0	1.5	.2	.0	.0					9.6	7.5
W	.6	3.3	2.8	1.2	.2	.0	.0					8.1	7.4
WNW	.4	1.9	1.3	.5	.1	.0						4.2	6.9
NW	.6	2.1	.9	.2	.0	.0						3.7	5.7
NNW	.5	1.9	.6	.1	.0							3.1	5.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.3	//////
TOTALS	10.7	42.4	22.8	7.8	1.0	.1	.0					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 87643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	4.9	2.7	.5	.0							9.3	6.0
NNE	1.0	3.7	2.4	.4								7.5	6.1
NE	1.1	6.9	3.9	.8								12.7	6.2
ENE	1.2	5.6	1.7	.3								8.8	5.4
E	.9	2.3	.5	.1								3.9	4.8
ESE	.5	1.1	.2	.0	.0							1.8	4.8
SE	.5	.7	.2	.0								1.5	4.7
SSE	.4	.6	.1	.0								1.1	4.5
S	.4	1.2	.3	.1								2.0	5.1
SSW	.4	1.8	.7	.2	.0		.0					3.1	6.0
SW	.8	2.7	1.5	.8	.1	.0						5.8	6.6
WSW	.8	3.4	2.2	1.3	.2	.0	.0					7.9	7.4
W	.7	3.3	2.6	1.3	.2	.0						8.2	7.5
WNW	.6	1.9	1.0	.4	.1	.0						4.0	6.6
NW	.4	1.8	.7	.2	.0							3.1	5.7
NNW	.8	1.9	.6	.1								3.3	5.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.0	//////
TOTALS	11.6	43.7	21.5	6.5	.6	.1	.0	.				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 9064

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          DDDDDDDD
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          DDDDDDDDD
PP      PP    AA      AA    RR      RR        TT              DD      DD
PP      PP    AA      AA    RR      RR        TT              DD      DD
PPPPPPPPP     AA      AA    RRRRRRRRR         TT              DD      DD
PPPPPPPP      AAAAAAAAAA    RRRRRRRR          TT              DD      DD
PP            AAAAAAAAAA    RR    RR          TT              DD      DD
PP            AA      AA    RR     RR         TT              DD      DD
PP            AA      AA    RR      RR        TT              DDDDDDDDD
PP            AA      AA    RR       RR       TT              DDDDDDDDD
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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIRVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0000-0300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	35.1	35.4	36.2	36.9	37.5	37.5	37.7	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.2	38.3
GE 20000	32.6	38.0	38.8	39.5	40.1	40.1	40.3	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.8	40.9
GE 18000	32.6	38.0	38.8	39.5	40.1	40.1	40.3	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.8	40.9
GE 16000	32.7	38.1	38.9	39.6	40.2	40.2	40.4	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.9	41.0
GE 14000	33.0	38.4	39.2	39.9	40.5	40.5	40.8	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.2	41.3
GE 12000	33.3	38.7	39.6	40.2	40.9	40.9	41.1	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.5	41.6
GE 10000	33.8	39.8	40.6	41.3	41.9	41.9	42.2	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.6	42.7
GE 9000	35.6	42.4	43.2	44.1	44.7	44.7	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.4	45.5
GE 8000	36.1	43.0	43.9	44.7	45.4	45.4	45.6	45.8	45.8	45.9	45.9	45.9	45.9	45.9	46.0	46.1
GE 7000	37.8	45.1	45.9	46.8	47.4	47.4	47.6	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.1	48.2
GE 6000	38.7	46.5	47.5	48.4	49.0	49.0	49.2	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.7	49.8
GE 5000	40.9	50.0	51.1	51.9	52.7	52.7	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.4
GE 4500	42.4	52.5	53.5	54.5	55.3	55.4	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.1
GE 4000	43.8	54.6	55.7	56.8	57.7	57.8	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.5	58.6
GE 3500	45.4	57.3	58.5	60.1	61.1	61.3	61.6	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.2
GE 3000	47.7	61.0	62.3	64.7	65.9	66.2	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9	67.0	67.1
GE 2500	51.2	65.7	67.4	70.5	72.0	72.4	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.3	73.4
GE 2000	53.7	70.3	72.2	75.9	77.6	78.1	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.2	79.4
GE 1800	54.4	71.8	73.9	78.0	79.7	80.2	81.1	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.7	81.8
GE 1500	54.7	73.2	75.3	79.4	81.4	81.9	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.4	83.5
GE 1200	54.9	74.3	76.7	81.0	83.1	83.7	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.3	85.4
GE 1000	55.1	74.6	77.0	81.4	83.7	84.2	85.2	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.2	86.3
GE 900	55.2	75.6	78.0	82.4	84.9	85.7	86.7	87.5	87.5	87.8	87.8	87.8	87.8	87.8	88.1	88.2
GE 800	55.6	76.0	78.4	82.9	85.5	86.2	87.4	88.3	88.4	88.7	88.7	88.7	88.7	88.7	88.9	89.0
GE 700	55.6	76.7	79.0	83.7	86.7	87.4	88.6	89.5	89.7	90.4	90.6	90.6	90.6	90.6	90.9	91.0
GE 600	55.6	76.8	79.1	83.8	86.9	87.7	88.9	89.8	90.0	90.8	91.0	91.0	91.0	91.0	91.2	91.3
GE 500	55.6	77.0	79.5	84.1	87.3	88.2	89.9	90.8	91.2	92.2	92.4	92.4	92.4	92.4	92.6	92.7
GE 400	55.6	77.3	79.8	84.5	88.3	89.1	91.2	92.0	92.5	93.7	93.9	93.9	93.9	93.9	94.1	94.2
GE 300	55.6	77.3	79.8	84.5	88.6	89.5	91.7	92.7	93.1	94.4	95.2	95.2	95.3	95.3	95.5	95.6
GE 200	55.6	77.3	79.8	84.6	88.7	89.7	92.0	93.0	93.5	94.8	95.6	95.6	95.8	95.8	96.0	96.1
GE 100	55.6	77.3	79.8	84.6	88.8	89.8	92.4	93.3	94.1	95.7	96.5	96.5	97.2	97.2	98.0	98.4
GE 0	55.6	77.3	79.8	84.6	88.8	89.8	92.4	93.3	94.1	95.7	96.5	96.5	97.3	97.3	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.5	32.7	33.2	34.3	35.2	35.2	35.6	36.0	36.0	36.1	36.1	36.1	36.6	36.6	36.7	36.7
GE 20000	29.5	35.5	36.0	37.1	38.1	38.1	38.5	38.9	38.9	39.0	39.0	39.0	39.5	39.5	39.6	39.6
GE 18000	29.5	35.5	36.0	37.1	38.1	38.1	38.5	38.9	38.9	39.0	39.0	39.0	39.5	39.5	39.6	39.6
GE 16000	29.5	35.5	36.0	37.1	38.1	38.1	38.5	38.9	38.9	39.0	39.0	39.0	39.5	39.5	39.6	39.6
GE 14000	30.0	36.0	36.6	37.6	38.6	38.6	39.0	39.5	39.5	39.6	39.6	39.6	40.0	40.0	40.1	40.1
GE 12000	30.3	36.6	37.1	38.4	39.4	39.4	39.8	40.2	40.2	40.3	40.3	40.3	40.8	40.8	40.9	40.9
GE 10000	30.3	36.7	37.2	38.5	39.5	39.5	39.9	40.4	40.4	40.5	40.5	40.5	41.0	41.0	41.1	41.1
GE 9000	33.9	40.6	41.3	42.6	43.5	43.5	44.0	44.5	44.5	44.6	44.6	44.6	45.1	45.1	45.2	45.2
GE 8000	34.3	41.2	41.8	43.1	44.1	44.1	44.5	45.1	45.1	45.2	45.2	45.2	45.6	45.6	45.7	45.7
GE 7000	35.7	42.8	43.4	44.7	45.7	45.7	46.3	46.9	46.9	47.0	47.0	47.0	47.4	47.4	47.5	47.5
GE 6000	36.9	44.4	45.1	46.3	47.3	47.3	48.0	48.5	48.5	48.6	48.6	48.6	49.0	49.0	49.1	49.1
GE 5000	38.5	46.9	47.5	48.9	50.0	50.0	50.6	51.2	51.2	51.3	51.3	51.3	51.7	51.7	51.8	51.8
GE 4500	39.5	48.3	49.1	50.6	51.7	51.7	52.5	53.0	53.0	53.1	53.1	53.1	53.5	53.5	53.8	53.8
GE 4000	40.8	49.8	50.8	52.3	53.3	53.3	54.3	54.8	54.8	54.9	54.9	54.9	55.4	55.4	55.6	55.6
GE 3500	42.7	52.8	53.8	55.9	57.0	57.0	58.1	58.6	58.6	58.7	58.7	58.7	59.1	59.1	59.4	59.4
GE 3000	44.2	56.5	57.6	60.2	61.6	61.6	62.9	63.4	63.4	63.5	63.5	63.5	64.0	64.0	64.2	64.2
GE 2500	48.3	62.8	64.3	67.6	69.4	69.5	71.3	71.9	71.9	72.0	72.0	72.0	72.5	72.5	72.7	72.7
GE 2000	50.8	67.7	69.5	74.0	75.8	75.9	78.0	78.7	78.8	79.0	79.0	79.0	79.5	79.5	79.8	79.8
GE 1800	51.1	68.9	70.8	75.7	77.8	78.0	80.3	81.1	81.2	81.4	81.4	81.4	81.8	81.8	82.2	82.2
GE 1500	51.6	70.0	71.8	76.9	79.2	79.4	81.8	82.7	82.8	83.0	83.0	83.0	83.4	83.4	83.9	83.9
GE 1200	51.8	71.6	73.5	78.9	81.4	81.5	84.0	84.8	84.9	85.2	85.2	85.2	85.6	85.6	86.0	86.0
GE 1000	51.8	71.9	74.0	79.4	81.8	81.9	84.6	85.6	85.7	85.9	85.9	85.9	86.3	86.3	86.8	86.8
GE 900	51.9	72.4	74.5	80.0	82.5	82.7	85.7	86.9	87.0	87.2	87.2	87.2	87.6	87.6	88.1	88.1
GE 800	51.9	72.8	74.9	80.4	82.9	83.1	86.1	87.3	87.4	87.6	87.6	87.6	88.1	88.1	88.5	88.5
GE 700	51.9	73.1	75.4	81.1	83.7	83.9	87.1	88.3	88.4	88.7	89.0	89.0	89.5	89.5	89.9	89.9
GE 600	51.9	73.3	75.6	81.4	84.2	84.5	87.7	89.0	89.1	89.6	89.9	89.9	90.3	90.3	90.8	90.8
GE 500	51.9	73.4	75.8	81.6	84.6	85.1	88.4	89.7	89.8	90.2	90.5	90.5	91.1	91.1	91.5	91.5
GE 400	51.9	73.4	75.8	81.7	85.1	85.7	89.4	91.0	91.2	91.7	92.0	92.0	92.6	92.6	93.0	93.0
GE 300	51.9	73.5	75.9	81.8	85.6	86.7	91.1	92.8	93.0	93.7	94.5	94.5	95.4	95.4	95.8	95.8
GE 200	51.9	73.5	75.9	81.9	85.7	86.8	91.7	93.7	94.0	94.7	95.6	95.6	96.6	96.6	97.4	97.4
GE 100	51.9	73.5	75.9	81.9	85.7	86.8	92.0	94.1	94.4	95.3	96.5	96.5	97.7	97.7	98.7	98.9
GE 0	51.9	73.5	75.9	81.9	85.7	86.8	92.0	94.1	94.4	95.3	96.5	96.5	97.7	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.2	29.1	29.9	31.1	32.4	32.4	33.1	33.5	33.7	33.8	34.0	34.0	34.0	34.0	34.0	34.2
GE 20000	26.0	31.2	31.9	33.1	34.4	34.5	35.4	35.8	35.9	36.0	36.2	36.2	36.3	36.3	36.3	36.6
GE 18000	26.0	31.2	31.9	33.1	34.4	34.5	35.4	35.8	35.9	36.0	36.2	36.2	36.3	36.3	36.3	36.6
GE 16000	26.0	31.2	31.9	33.1	34.4	34.5	35.4	35.8	35.9	36.0	36.2	36.2	36.3	36.3	36.3	36.6
GE 14000	26.6	31.7	32.5	33.7	34.9	35.1	35.9	36.3	36.5	36.6	36.8	36.8	36.9	36.9	36.9	37.1
GE 12000	27.1	32.5	33.2	34.6	36.0	36.1	37.0	37.4	37.5	37.6	37.8	37.8	38.0	38.0	38.0	38.2
GE 10000	28.0	33.4	34.2	35.6	37.0	37.1	38.0	38.5	38.6	38.7	38.9	38.9	39.0	39.0	39.0	39.2
GE 9000	29.9	35.6	36.3	37.8	39.2	39.4	40.2	40.9	41.0	41.1	41.3	41.3	41.4	41.4	41.4	41.6
GE 8000	31.2	37.3	38.2	39.7	41.3	41.4	42.3	42.9	43.0	43.1	43.3	43.3	43.4	43.4	43.4	43.7
GE 7000	32.3	38.7	39.7	41.3	43.1	43.2	44.1	44.7	44.8	44.9	45.2	45.2	45.3	45.3	45.3	45.5
GE 6000	33.0	39.6	40.5	42.4	44.3	44.4	45.3	45.9	46.0	46.1	46.3	46.3	46.5	46.5	46.5	46.7
GE 5000	34.7	41.9	43.1	45.1	47.1	47.2	48.2	48.8	48.9	49.0	49.2	49.2	49.4	49.4	49.4	49.6
GE 4500	36.6	44.1	45.5	47.5	49.6	49.7	50.9	51.5	51.6	51.7	51.9	51.9	52.0	52.0	52.0	52.3
GE 4000	37.3	45.5	46.9	49.2	51.3	51.4	52.7	53.3	53.4	53.5	53.8	53.8	53.9	53.9	53.9	54.1
GE 3500	38.6	48.6	50.0	52.6	54.6	54.7	56.0	56.7	56.8	56.9	57.1	57.1	57.2	57.2	57.2	57.4
GE 3000	41.1	51.9	53.3	56.0	58.3	58.5	59.9	60.5	60.6	60.8	61.1	61.1	61.2	61.2	61.2	61.4
GE 2500	44.1	58.1	59.9	63.4	65.9	66.2	67.8	68.5	68.6	68.8	69.1	69.1	69.4	69.4	69.5	69.7
GE 2000	48.8	65.6	67.6	71.8	74.7	75.1	76.9	77.6	77.8	78.1	78.4	78.4	78.6	78.6	78.8	79.0
GE 1800	49.2	67.3	69.7	74.3	77.5	78.0	79.9	80.6	80.9	81.1	81.4	81.4	81.6	81.6	81.8	82.0
GE 1500	49.4	68.2	70.6	75.6	78.8	79.2	81.3	82.0	82.4	82.6	82.9	82.9	83.1	83.1	83.4	83.7
GE 1200	49.9	68.9	71.5	76.9	80.2	80.9	83.1	84.0	84.3	84.8	85.2	85.2	85.5	85.5	85.8	86.0
GE 1000	49.9	69.2	71.9	77.3	80.8	81.5	83.9	84.9	85.3	85.8	86.1	86.1	86.6	86.6	86.9	87.1
GE 900	50.1	69.8	72.6	78.1	81.6	82.4	84.7	85.8	86.1	86.7	87.0	87.0	87.4	87.4	87.8	88.1
GE 800	50.1	70.0	72.8	78.6	82.3	83.0	85.4	86.5	86.8	87.4	87.7	87.7	88.2	88.2	88.6	88.8
GE 700	50.1	70.0	72.8	78.6	82.3	83.1	85.6	86.8	87.1	87.7	88.2	88.2	88.6	88.6	89.0	89.2
GE 600	50.1	70.3	73.2	79.5	83.3	84.2	86.9	88.1	88.6	89.2	89.8	89.8	90.2	90.2	90.6	90.9
GE 500	50.1	70.3	73.2	79.7	83.9	84.8	88.0	89.2	89.8	90.5	91.1	91.1	91.5	91.5	91.9	92.2
GE 400	50.2	70.5	73.8	80.4	84.6	85.7	89.0	90.4	91.0	92.0	92.7	92.7	93.1	93.1	93.5	93.8
GE 300	50.2	70.5	73.9	80.8	85.1	86.1	90.5	92.2	93.0	94.3	95.3	95.3	95.8	95.9	96.5	96.7
GE 200	50.2	70.5	73.9	80.9	85.2	86.2	90.6	92.4	93.2	94.6	95.9	95.9	96.5	96.6	97.2	98.0
GE 100	50.2	70.5	73.9	80.9	85.2	86.2	90.8	92.7	93.5	95.2	96.5	96.5	97.2	97.3	98.1	98.8
GE 0	50.2	70.5	73.9	80.9	85.2	86.2	90.8	92.7	93.5	95.2	96.5	96.5	97.2	97.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723263 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.1	25.2	26.3	28.3	30.0	30.1	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.7	31.9
GE 20000	24.5	29.2	30.5	33.3	35.5	35.6	37.3	37.4	37.4	37.4	37.5	37.5	37.6	37.6	37.7	38.0
GE 18000	24.5	29.2	30.5	33.3	35.5	35.6	37.3	37.4	37.4	37.4	37.5	37.5	37.6	37.6	37.7	38.0
GE 16000	24.5	29.2	30.8	33.5	35.7	35.8	37.5	37.6	37.6	37.6	37.7	37.7	37.8	37.8	38.0	38.2
GE 14000	24.6	29.5	31.0	33.8	35.9	36.0	37.7	37.8	37.8	37.8	38.0	38.0	38.1	38.1	38.2	38.4
GE 12000	25.8	30.6	32.2	35.1	37.2	37.3	39.0	39.1	39.1	39.1	39.2	39.2	39.4	39.4	39.5	39.7
GE 10000	26.7	31.5	33.0	35.9	38.2	38.3	40.2	40.3	40.3	40.3	40.4	40.4	40.5	40.5	40.6	40.9
GE 9000	27.6	32.6	34.1	37.1	39.4	39.5	41.4	41.5	41.5	41.5	41.6	41.6	41.7	41.7	41.8	42.0
GE 8000	28.2	33.2	34.7	38.0	40.2	40.3	42.3	42.4	42.4	42.4	42.5	42.5	42.6	42.6	42.7	42.9
GE 7000	30.1	35.6	37.1	40.5	42.8	42.9	44.8	44.9	44.9	44.9	45.1	45.1	45.2	45.2	45.3	45.5
GE 6000	31.2	36.8	38.5	42.3	44.5	44.6	46.6	46.7	46.7	46.7	46.8	46.8	46.9	46.9	47.0	47.2
GE 5000	32.2	37.8	39.6	43.4	45.7	46.0	48.2	48.4	48.4	48.4	48.5	48.5	48.6	48.6	48.7	48.9
GE 4500	34.8	41.0	42.9	46.8	49.2	49.6	51.7	51.9	51.9	51.9	52.0	52.0	52.2	52.2	52.4	52.6
GE 4000	35.8	42.2	44.3	48.3	50.9	51.3	53.5	53.9	53.9	53.9	54.0	54.0	54.1	54.1	54.4	54.6
GE 3500	38.0	45.5	47.7	51.8	54.6	55.1	57.5	57.8	57.8	57.8	58.0	58.0	58.1	58.1	58.4	58.6
GE 3000	39.8	48.1	50.6	54.9	57.8	58.3	60.9	61.5	61.5	61.5	61.6	61.6	61.7	61.7	62.0	62.3
GE 2500	42.8	52.5	55.1	60.0	63.4	64.1	67.0	67.8	67.8	67.8	68.0	68.0	68.1	68.1	68.4	68.6
GE 2000	46.1	59.5	62.3	68.5	72.3	73.2	76.6	77.7	77.7	77.8	78.0	78.0	78.1	78.1	78.5	78.7
GE 1800	47.0	61.0	63.8	70.4	74.3	75.3	78.8	80.0	80.0	80.2	80.3	80.3	80.4	80.4	80.9	81.1
GE 1500	47.4	61.9	64.9	71.8	75.9	77.0	80.5	81.7	81.7	81.9	82.0	82.0	82.2	82.2	82.7	82.9
GE 1200	47.6	63.2	66.6	73.9	78.2	79.5	83.2	84.4	84.4	84.6	84.7	84.7	84.8	84.8	85.4	85.6
GE 1000	47.7	63.5	67.0	74.6	78.9	80.3	84.2	85.4	85.4	85.6	85.8	85.8	85.9	85.9	86.5	86.7
GE 900	47.8	63.9	67.3	74.9	79.2	80.6	84.6	85.8	85.8	86.0	86.2	86.2	86.3	86.3	86.9	87.1
GE 800	47.8	64.0	67.5	75.3	79.7	81.1	85.3	86.6	86.7	87.0	87.2	87.2	87.3	87.3	87.8	88.1
GE 700	47.8	64.0	67.7	75.8	80.5	82.0	86.3	87.7	87.8	88.2	88.4	88.4	88.5	88.5	89.0	89.2
GE 600	48.0	64.4	68.4	76.5	81.3	83.1	87.6	89.0	89.1	89.5	90.0	90.0	90.2	90.2	90.8	91.0
GE 500	48.0	64.4	68.4	76.5	81.6	83.4	88.0	89.6	89.8	90.3	90.9	90.9	91.2	91.2	91.7	91.9
GE 400	48.0	64.4	68.4	76.5	81.6	83.6	89.0	91.0	91.3	92.4	93.0	93.0	93.4	93.4	94.0	94.2
GE 300	48.0	64.4	68.4	76.5	81.6	83.9	90.0	92.2	92.7	93.9	94.8	94.8	95.4	95.4	95.9	96.2
GE 200	48.0	64.4	68.4	76.5	81.6	83.9	90.1	92.6	93.1	94.5	95.7	95.7	96.9	97.0	97.5	98.0
GE 150	48.0	64.4	68.4	76.5	81.6	83.9	90.1	92.7	93.2	94.9	96.1	96.1	97.4	97.5	98.6	99.5
GE 0	48.0	64.4	68.4	76.5	81.6	83.9	90.1	92.7	93.2	95.2	96.3	96.3	97.6	97.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.2	32.6	33.1	34.6	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
GE 20000	30.0	37.4	38.3	40.2	41.6	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 18000	30.0	37.4	38.3	40.2	41.6	41.6	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 16000	30.0	37.5	38.4	40.3	41.7	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 14000	30.1	37.7	38.6	40.5	41.9	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000	30.6	38.5	39.5	41.5	43.0	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 10000	31.1	38.9	40.0	42.0	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 9000	31.7	39.8	41.0	43.0	44.5	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 8000	32.8	41.1	42.3	44.3	45.8	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 7000	34.5	43.2	44.5	46.6	48.1	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 6000	35.6	44.8	46.1	48.2	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 5000	37.2	47.1	48.4	50.6	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 4500	39.0	49.4	50.9	53.3	55.1	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 4000	39.1	49.5	51.1	53.7	55.5	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 3500	40.5	51.9	53.7	56.2	58.1	58.3	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 3000	43.4	56.0	57.8	60.6	62.7	62.9	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 2500	46.8	60.6	62.9	66.1	68.6	68.9	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 2000	49.7	67.8	70.6	74.6	77.2	77.5	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 1800	50.2	70.2	73.1	77.4	80.0	80.4	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 1500	50.9	71.7	74.6	79.0	81.7	82.2	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1200	51.2	73.2	76.1	80.8	83.7	84.1	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1000	51.4	73.9	77.1	81.9	84.8	85.5	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 900	51.4	73.9	77.2	82.0	84.9	85.7	87.5	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 800	51.4	74.1	77.4	82.3	85.3	86.0	88.0	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5
GE 700	51.4	74.1	77.6	82.6	85.6	86.3	88.3	88.7	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9
GE 600	51.4	74.4	78.1	83.3	86.7	88.0	90.3	91.0	91.1	91.4	91.5	91.5	91.7	91.7	91.7	91.7
GE 500	51.4	74.4	78.1	83.4	86.8	88.3	91.2	92.2	92.4	92.7	92.9	92.9	93.1	93.1	93.1	93.1
GE 400	51.4	74.4	78.2	83.5	87.0	88.5	91.6	92.7	93.2	93.9	94.5	94.5	94.8	94.8	94.8	94.8
GE 300	51.4	74.4	78.2	83.5	87.0	88.5	91.9	93.5	94.1	94.9	95.8	95.8	96.5	96.5	96.5	96.6
GE 200	51.4	74.4	78.2	83.5	87.0	88.5	92.6	94.5	95.1	96.5	97.3	97.3	98.7	98.8	98.9	99.0
GE 100	51.4	74.4	78.2	83.5	87.0	88.5	92.6	94.5	95.1	96.8	97.6	97.6	99.4	99.5	99.8	100.0
GE 0	51.4	74.4	78.2	83.5	87.0	88.5	92.6	94.5	95.1	96.8	97.6	97.6	99.4	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.7	38.4	38.6	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 20000	37.0	44.0	44.4	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 18000	37.0	44.0	44.4	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 16000	37.0	44.0	44.4	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 14000	37.2	44.2	44.6	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 12000	37.8	45.1	45.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	39.1	46.7	47.2	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 9000	39.7	47.5	48.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	40.4	48.4	48.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 7000	42.2	50.3	50.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 6000	43.4	51.9	52.6	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 5000	46.2	55.4	56.2	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 4500	48.3	57.7	58.7	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 4000	49.8	59.2	60.2	61.4	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 3500	52.2	62.4	63.4	64.6	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 3000	54.5	65.8	67.2	68.5	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 2500	57.8	70.1	71.8	73.3	74.0	74.3	74.3	74.4	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6
GE 2000	60.6	75.7	77.6	80.0	81.0	81.4	81.5	81.6	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9
GE 1800	61.3	77.3	79.6	82.0	83.1	83.5	83.7	83.9	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2
GE 1500	61.3	77.7	80.0	82.8	84.0	84.4	84.7	84.9	84.9	85.1	85.2	85.2	85.3	85.3	85.3	85.3
GE 1200	61.6	79.1	81.6	84.9	86.1	86.6	87.0	87.3	87.3	87.4	87.5	87.5	87.6	87.6	87.6	87.6
GE 1000	61.7	79.5	82.0	85.7	86.9	87.5	88.2	88.5	88.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9
GE 900	61.7	79.7	82.5	86.2	87.6	88.3	89.1	89.5	89.5	89.7	89.8	89.8	90.1	90.1	90.1	90.1
GE 800	61.7	79.8	82.8	86.7	88.1	88.7	89.8	90.1	90.1	90.3	90.4	90.4	90.8	90.8	90.8	90.8
GE 700	61.7	80.0	83.0	86.9	88.3	88.9	90.2	90.5	90.5	90.9	91.0	91.0	91.3	91.3	91.3	91.3
GE 600	61.7	80.2	83.2	87.3	89.2	89.9	91.8	92.4	92.5	92.9	93.0	93.0	93.5	93.5	93.5	93.5
GE 500	61.7	80.3	83.3	87.4	89.5	90.1	92.3	92.8	92.9	93.4	93.5	93.5	94.1	94.1	94.1	94.1
GE 400	61.7	80.3	83.3	87.5	89.7	90.3	93.0	93.7	93.8	94.8	94.9	94.9	95.7	95.7	95.7	95.7
GE 300	61.7	80.3	83.3	87.5	89.8	90.4	93.2	94.0	94.3	95.7	95.9	95.9	96.8	96.9	96.9	97.0
GE 200	61.7	80.3	83.3	87.5	89.8	90.4	93.7	94.4	94.7	96.7	96.9	96.9	98.3	98.6	98.9	99.2
GE 100	61.7	80.3	83.3	87.5	89.8	90.4	93.8	94.5	94.8	96.8	97.0	97.0	98.4	98.7	99.2	99.6
GE 0	61.7	80.3	83.3	87.5	89.8	90.4	93.8	94.5	94.8	96.8	97.0	97.0	98.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.0	39.1	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 20000	39.0	43.3	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 18000	39.0	43.3	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	39.0	43.3	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	39.1	43.7	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 12000	39.2	44.1	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 10000	41.5	46.7	47.3	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
GE 9000	42.4	48.1	48.7	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	43.8	49.6	50.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 7000	45.5	51.4	52.4	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
GE 6000	47.2	53.3	54.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 5000	48.7	55.5	56.8	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 4500	50.9	58.8	60.2	61.2	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4000	52.3	60.5	61.9	63.0	63.2	63.2	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 3500	55.3	64.2	65.7	67.0	67.4	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 3000	57.7	67.7	69.5	71.2	71.6	71.7	72.2	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 2500	60.9	72.0	74.3	76.0	76.8	77.1	77.6	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 2000	62.7	75.2	77.5	79.8	81.0	81.3	81.9	82.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1800	62.9	76.0	78.4	80.6	81.9	82.3	83.0	83.4	83.4	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1500	63.3	77.2	79.6	82.4	83.7	84.0	84.8	85.3	85.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1200	63.3	78.3	81.1	84.0	85.4	85.8	86.7	87.2	87.2	87.8	88.0	88.0	88.0	88.0	88.0	88.0
GE 1000	63.3	79.0	82.0	85.1	86.8	87.2	88.4	89.0	89.0	89.8	90.0	90.0	90.0	90.0	90.0	90.0
GE 900	63.3	79.5	82.6	85.8	87.6	88.2	89.5	90.1	90.1	90.9	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	63.3	79.7	83.0	86.3	88.2	88.7	90.3	91.0	91.0	91.7	91.9	91.9	91.9	91.9	91.9	91.9
GE 700	63.3	79.8	83.2	86.9	88.9	89.5	91.1	91.9	91.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2
GE 600	63.3	79.8	83.3	87.0	89.1	89.9	91.7	92.7	92.7	93.8	94.0	94.0	94.0	94.0	94.1	94.1
GE 500	63.3	79.8	83.3	87.1	89.4	90.1	92.2	93.1	93.1	94.5	94.7	94.7	94.7	94.7	94.8	94.8
GE 400	63.3	79.8	83.4	87.3	89.7	90.4	92.7	93.9	93.9	95.6	95.9	95.9	96.0	96.0	96.1	96.1
GE 300	63.3	79.8	83.4	87.3	89.7	90.4	93.2	94.5	94.7	96.8	97.2	97.2	97.4	97.6	97.8	97.8
GE 200	63.3	79.8	83.4	87.3	89.7	90.4	93.2	94.5	95.1	97.5	98.0	98.0	98.4	98.6	98.8	98.8
GE 100	63.3	79.8	83.4	87.3	89.7	90.4	93.3	94.6	95.2	97.7	98.2	98.2	98.6	98.8	99.1	99.1
GE 0	63.3	79.8	83.4	87.3	89.7	90.4	93.3	94.6	95.2	97.8	98.3	98.3	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.5	40.6	41.1	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8	42.0
GE 20000	38.7	43.4	43.9	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.8
GE 18000	38.7	43.4	43.9	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.8
GE 16000	38.7	43.4	43.9	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.8
GE 14000	38.8	43.5	44.0	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.9
GE 12000	39.2	44.0	44.4	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.4
GE 10000	40.2	45.6	46.0	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.8	47.0
GE 9000	41.8	47.7	48.2	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.5
GE 8000	42.4	48.3	48.7	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	50.0
GE 7000	42.9	49.8	50.5	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.8
GE 6000	44.7	52.2	53.0	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.3
GE 5000	46.1	53.9	54.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.2
GE 4500	47.5	57.1	58.4	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.1	60.3
GE 4000	48.9	59.0	60.3	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.2	62.4
GE 3500	51.8	62.8	64.1	65.6	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	66.0	66.0	66.2	66.5
GE 3000	53.9	66.2	67.5	69.1	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.9	70.1
GE 2500	57.1	70.9	72.7	75.2	75.5	75.5	75.8	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.3	76.6
GE 2000	59.6	76.1	78.3	81.5	81.9	81.9	82.4	82.6	82.6	82.7	82.7	82.7	82.8	82.8	83.0	83.2
GE 1800	60.1	77.3	79.6	82.9	83.5	83.5	84.0	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.6	84.8
GE 1500	60.8	78.3	80.8	84.2	85.1	85.1	85.6	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.3	86.6
GE 1200	61.0	78.9	81.7	85.5	86.8	87.0	87.5	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.4	88.6
GE 1000	61.0	79.5	82.5	86.5	87.7	88.0	88.7	89.2	89.2	89.4	89.4	89.4	89.5	89.5	89.7	89.9
GE 900	61.0	79.9	83.0	87.1	88.5	88.7	89.9	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.9	91.1
GE 800	61.0	80.2	83.4	87.8	89.6	89.9	91.2	91.7	91.7	92.0	92.0	92.0	92.2	92.2	92.4	92.6
GE 700	61.0	80.4	83.7	88.2	90.0	90.5	91.8	92.5	92.5	92.8	92.8	92.8	92.9	92.9	93.1	93.3
GE 600	61.0	80.8	84.0	88.7	90.5	91.1	92.5	93.2	93.2	93.7	93.7	93.7	93.8	93.8	94.1	94.3
GE 500	61.0	80.8	84.1	88.9	91.4	92.0	93.4	94.3	94.4	94.9	95.1	95.1	95.2	95.2	95.5	95.7
GE 400	61.0	80.8	84.1	89.0	91.5	92.2	93.7	94.6	94.7	95.4	95.5	95.5	95.6	95.6	95.9	96.1
GE 300	61.0	80.8	84.1	89.1	91.8	92.6	94.6	96.0	96.2	96.9	97.0	97.0	97.1	97.1	97.4	97.6
GE 200	61.0	80.8	84.1	89.1	91.8	92.6	94.9	96.3	96.7	97.5	97.6	97.6	97.8	97.8	98.2	98.4
GE 100	61.0	80.8	84.1	89.1	91.8	92.6	94.9	96.3	96.9	97.7	98.0	98.0	98.4	98.4	98.8	99.0
GE 0	61.0	80.8	84.1	89.1	91.8	92.6	94.9	96.3	96.9	97.7	98.1	98.1	98.5	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.3	34.1	34.8	35.8	36.4	36.4	36.8	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.1	37.2
GE 20000	32.2	37.8	38.5	39.6	40.5	40.5	40.9	41.1	41.1	41.1	41.2	41.2	41.3	41.3	41.3	41.4
GE 18000	32.2	37.8	38.5	39.6	40.5	40.5	40.9	41.1	41.1	41.1	41.2	41.2	41.3	41.3	41.3	41.4
GE 16000	32.2	37.8	38.5	39.7	40.5	40.6	41.0	41.1	41.2	41.2	41.2	41.2	41.3	41.3	41.4	41.5
GE 14000	32.4	38.1	38.8	40.0	40.8	40.9	41.3	41.5	41.5	41.5	41.5	41.5	41.6	41.6	41.7	41.8
GE 12000	32.9	38.8	39.5	40.8	41.7	41.7	42.1	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.5	42.6
GE 10000	33.8	39.9	40.7	42.0	42.9	42.9	43.3	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.8	43.9
GE 9000	35.3	41.8	42.6	44.0	44.9	45.0	45.4	45.6	45.6	45.7	45.7	45.7	45.8	45.8	45.8	45.9
GE 8000	36.1	42.8	43.6	45.1	46.0	46.0	46.5	46.7	46.7	46.7	46.8	46.8	46.9	46.9	46.9	47.0
GE 7000	37.6	44.6	45.6	47.1	48.0	48.1	48.5	48.7	48.7	48.8	48.8	48.8	48.9	48.9	49.0	49.0
GE 6000	38.8	46.2	47.2	48.8	49.8	49.8	50.3	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.8
GE 5000	40.6	48.6	49.7	51.4	52.4	52.5	53.0	53.2	53.2	53.2	53.3	53.3	53.4	53.4	53.4	53.5
GE 4500	42.4	51.1	52.4	54.2	55.3	55.4	56.0	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.5	56.6
GE 4000	43.5	52.5	53.9	55.8	57.0	57.1	57.7	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.3	58.4
GE 3500	45.6	55.7	57.1	59.2	60.5	60.6	61.3	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.9	62.0
GE 3000	47.8	59.2	60.7	63.2	64.5	64.7	65.6	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.2	66.3
GE 2500	51.1	64.1	66.0	69.0	70.7	71.0	72.0	72.4	72.5	72.6	72.6	72.6	72.8	72.8	72.9	73.0
GE 2000	54.0	69.7	71.9	75.8	77.7	78.1	79.3	79.8	79.9	80.1	80.1	80.1	80.2	80.2	80.4	80.5
GE 1800	54.5	71.2	73.6	77.7	79.7	80.1	81.6	82.1	82.1	82.3	82.4	82.4	82.5	82.5	82.7	82.8
GE 1500	54.9	72.3	74.7	79.0	81.2	81.6	83.2	83.7	83.8	84.0	84.0	84.0	84.2	84.2	84.4	84.5
GE 1200	55.2	73.5	76.1	80.7	83.1	83.6	85.2	85.8	85.9	86.1	86.2	86.2	86.3	86.3	86.6	86.7
GE 1000	55.2	73.9	76.7	81.5	83.9	84.5	86.3	87.0	87.1	87.4	87.5	87.5	87.6	87.6	87.8	87.9
GE 900	55.3	74.3	77.2	82.1	84.6	85.3	87.2	88.0	88.0	88.3	88.5	88.5	88.6	88.6	88.9	89.0
GE 800	55.4	74.6	77.5	82.5	85.2	85.8	87.9	88.7	88.8	89.2	89.3	89.3	89.4	89.4	89.7	89.8
GE 700	55.4	74.8	77.8	83.0	85.7	86.5	88.6	89.5	89.6	90.1	90.3	90.3	90.4	90.4	90.7	90.8
GE 600	55.4	75.0	78.1	83.4	86.4	87.3	89.7	90.6	90.8	91.3	91.6	91.6	91.8	91.8	92.1	92.2
GE 500	55.4	75.1	78.2	83.6	86.8	87.8	90.4	91.5	91.7	92.4	92.6	92.6	92.9	92.9	93.2	93.3
GE 400	55.4	75.1	78.3	83.8	87.2	88.2	91.2	92.4	92.7	93.7	94.1	94.1	94.4	94.4	94.7	94.7
GE 300	55.4	75.1	78.4	83.9	87.4	88.5	92.0	93.5	93.9	95.1	95.7	95.7	96.2	96.3	96.5	96.7
GE 200	55.4	75.1	78.4	83.9	87.4	88.6	92.4	93.9	94.4	95.9	96.6	96.6	97.4	97.5	97.9	98.1
GE 100	55.4	75.1	78.4	83.9	87.4	88.6	92.5	94.1	94.7	96.3	97.0	97.0	98.0	98.1	98.8	99.2
GE 0	55.4	75.1	78.4	83.9	87.4	88.6	92.5	94.1	94.7	96.3	97.1	97.1	98.1	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0000-0.00

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.6	36.4	36.8	37.6	37.6	37.6	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	38.2	38.5
GE 20000	35.1	40.1	40.8	41.7	41.8	41.8	42.0	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.6	42.9
GE 18000	35.1	40.1	40.8	41.7	41.8	41.8	42.0	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.6	42.9
GE 16000	35.3	40.3	41.0	42.0	42.1	42.1	42.2	42.2	42.3	42.3	42.4	42.4	42.4	42.4	42.8	43.1
GE 14000	36.2	41.1	41.8	42.8	42.9	42.9	43.0	43.0	43.1	43.1	43.3	43.3	43.3	43.3	43.6	44.0
GE 12000	36.5	41.5	42.3	43.3	43.4	43.4	43.5	43.5	43.6	43.6	43.7	43.7	43.7	43.7	44.1	44.4
GE 10000	38.1	43.3	44.1	45.3	45.4	45.4	45.5	45.5	45.6	45.6	45.7	45.7	45.7	45.7	46.1	46.5
GE 9000	40.0	45.5	46.3	47.5	47.6	47.6	47.8	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.3	48.7
GE 8000	41.0	46.7	47.5	48.7	48.8	48.8	48.9	48.9	49.1	49.1	49.2	49.2	49.2	49.2	49.5	49.9
GE 7000	43.0	48.8	49.6	50.9	51.1	51.1	51.2	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.9	52.2
GE 6000	44.4	50.4	51.4	52.7	52.8	52.8	53.0	53.1	53.2	53.4	53.5	53.5	53.5	53.5	53.9	54.3
GE 5000	47.2	53.8	55.1	56.4	56.5	56.5	56.6	56.7	56.9	57.2	57.3	57.3	57.3	57.3	57.9	58.3
GE 4500	49.4	56.9	58.6	60.2	60.4	60.4	60.5	60.6	60.8	61.1	61.3	61.3	61.3	61.3	62.1	62.4
GE 4000	50.7	58.5	60.3	61.9	62.3	62.3	62.6	62.8	62.9	63.4	63.6	63.6	63.8	63.8	64.5	64.9
GE 3500	52.5	61.5	63.5	65.4	65.8	65.8	66.2	66.3	66.4	66.9	67.1	67.1	67.4	67.4	68.1	68.4
GE 3000	54.3	64.3	66.8	68.7	69.5	69.5	70.0	70.1	70.3	70.8	71.0	71.0	71.3	71.3	72.0	72.3
GE 2500	54.7	66.4	69.0	71.3	72.2	72.2	72.8	72.9	73.2	73.6	73.9	73.9	74.1	74.1	74.8	75.2
GE 2000	55.8	70.2	73.8	76.7	77.9	77.9	78.5	78.7	79.0	79.6	79.9	79.9	80.3	80.3	81.0	81.3
GE 1800	55.8	71.4	75.1	78.4	79.6	79.6	80.1	80.4	80.6	81.2	81.6	81.6	81.9	81.9	82.6	83.0
GE 1500	56.3	72.6	76.5	79.9	81.1	81.1	81.9	82.3	82.5	83.1	83.5	83.5	83.8	83.8	84.5	84.9
GE 1200	56.6	73.3	77.2	81.6	82.7	82.9	83.9	84.3	84.5	85.1	85.5	85.5	85.8	85.8	86.5	86.9
GE 1000	56.7	74.0	78.0	82.5	83.7	83.8	84.9	85.2	85.5	86.1	86.4	86.4	86.8	86.8	87.5	87.8
GE 900	56.7	74.2	78.6	83.3	84.6	84.8	85.8	86.2	86.4	87.0	87.4	87.4	87.7	87.7	88.4	88.8
GE 800	56.7	74.5	78.8	84.0	85.5	85.6	86.6	87.1	87.4	87.9	88.3	88.4	88.8	88.8	89.5	89.8
GE 700	56.7	74.5	79.1	84.3	85.7	85.8	87.2	87.8	88.3	88.9	89.2	89.4	89.7	89.7	90.4	90.8
GE 600	56.7	74.6	79.6	85.0	86.6	86.8	88.3	89.1	89.7	90.4	90.8	90.9	91.3	91.3	92.0	92.3
GE 500	56.7	74.7	79.7	85.1	87.0	87.1	88.8	89.6	90.3	91.3	91.7	91.8	92.2	92.2	92.9	93.3
GE 400	56.7	74.7	79.6	85.5	87.7	87.9	89.6	90.5	91.3	92.3	92.8	92.9	93.3	93.3	94.0	94.3
GE 300	56.7	74.7	79.8	85.5	87.9	88.5	90.2	91.3	92.2	93.5	94.0	94.1	94.4	94.4	95.4	95.7
GE 200	56.7	74.7	79.8	85.6	88.1	89.0	91.0	92.1	93.0	94.4	95.0	95.2	95.6	95.6	96.7	97.0
GE 100	56.7	74.7	79.8	85.6	88.1	89.0	91.0	92.2	93.5	95.4	96.1	96.2	96.9	96.9	98.0	99.3
GE 0	56.7	74.7	79.8	85.6	88.1	89.0	91.0	92.2	93.5	95.4	96.2	96.3	97.2	97.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.9	31.9	32.3	33.1	33.3	33.3	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.	33.9	34.0
GE 20000	31.0	35.7	36.1	36.9	37.1	37.1	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8	39.1	38.2
GE 18000	31.2	35.9	36.3	37.1	37.4	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.3	38.4
GE 16000	31.2	35.9	36.3	37.1	37.4	37.4	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.3	38.4
GE 14000	31.8	36.8	37.1	38.1	38.3	38.3	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2	39.4
GE 12000	31.8	36.8	37.1	38.1	38.3	38.3	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.2	39.4
GE 10000	33.6	39.4	39.7	40.8	41.0	41.0	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	42.0	42.1
GE 9000	35.7	42.0	42.7	43.7	44.0	44.0	44.3	44.7	44.7	44.8	44.8	44.8	44.8	44.8	45.0	45.2
GE 8000	36.5	42.9	43.7	44.9	45.2	45.2	45.5	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.2	46.3
GE 7000	38.4	44.9	45.7	46.9	47.2	47.2	47.5	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.3	48.5
GE 6000	39.5	46.2	47.5	48.8	49.1	49.1	49.5	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.4	50.5
GE 5000	41.6	49.1	50.5	51.9	52.2	52.2	52.7	53.2	53.3	53.4	53.4	53.4	53.5	53.5	53.8	53.9
GE 4500	43.4	52.1	53.8	55.8	56.1	56.1	56.7	57.2	57.3	57.4	57.4	57.4	57.6	57.6	57.9	58.0
GE 4000	45.4	54.6	56.3	58.5	59.0	59.0	59.6	60.0	60.2	60.6	60.6	60.6	60.9	60.9	61.5	61.6
GE 3500	46.6	56.6	58.4	60.9	61.6	61.6	62.2	62.9	63.0	63.5	63.5	63.5	63.7	63.7	64.4	64.5
GE 3000	48.8	60.4	62.6	65.4	66.1	66.1	66.7	67.4	67.5	68.0	68.0	68.0	68.2	68.2	68.9	69.4
GE 2500	49.8	63.0	65.4	68.1	69.3	69.3	69.9	70.7	70.8	71.3	71.3	71.3	71.6	71.6	72.3	72.8
GE 2000	52.0	67.8	70.9	74.6	75.9	75.9	76.7	77.7	77.8	78.4	78.5	78.5	78.8	78.8	79.6	80.1
GE 1800	52.2	68.8	72.0	76.0	77.4	77.4	78.3	79.3	79.4	80.0	80.1	80.1	80.5	80.5	81.2	81.8
GE 1500	52.4	69.4	72.8	77.2	78.6	78.6	79.4	80.5	80.6	81.2	81.3	81.3	81.8	81.8	82.5	83.1
GE 1200	52.5	70.7	74.3	78.8	80.3	80.4	81.2	82.4	82.6	83.2	83.3	83.3	83.9	83.9	84.6	85.2
GE 1000	52.5	71.6	75.5	80.1	81.8	81.9	82.7	83.9	84.2	84.8	84.9	84.9	85.5	85.5	86.2	86.8
GE 900	52.5	71.6	75.5	80.3	82.0	82.2	83.0	84.3	84.5	85.1	85.2	85.2	85.8	85.8	86.5	87.1
GE 800	52.5	71.6	75.5	80.6	82.4	82.5	83.3	84.6	84.9	85.5	85.6	85.6	86.2	86.2	86.9	87.5
GE 700	52.5	71.9	75.8	81.0	82.7	82.9	83.7	85.0	85.2	85.8	85.9	85.9	86.5	86.5	67.2	87.8
GE 600	52.5	72.1	76.0	81.6	83.5	83.6	84.5	86.2	86.4	87.1	87.2	87.2	87.8	87.8	88.5	89.1
GE 500	52.5	72.1	76.0	81.9	84.3	84.9	86.1	88.1	88.8	89.6	89.7	89.7	90.4	90.4	91.1	91.7
GE 400	52.5	72.2	76.1	82.4	84.9	85.5	86.8	89.1	89.8	90.9	91.4	91.4	92.3	92.3	93.0	93.6
GE 300	52.5	72.2	76.2	82.5	85.1	85.9	87.4	89.7	90.7	91.8	92.3	92.4	93.5	93.5	94.2	94.8
GE 200	52.5	72.2	76.2	82.5	85.1	85.9	88.1	90.5	91.5	92.7	93.3	93.4	94.6	94.6	95.5	96.1
GE 100	52.5	72.2	76.2	82.5	85.1	85.9	88.1	90.8	92.1	93.3	94.0	94.1	95.6	95.6	96.8	98.7
GE 0	52.5	72.2	76.2	82.5	85.1	85.9	88.1	90.8	92.1	93.3	94.2	94.3	95.9	95.9	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.5	30.3	31.0	32.7	33.0	33.0	33.5	33.7	33.7	33.8	33.8	33.8	33.9	33.9	34.0	34.3
GE 20000	29.1	33.6	34.3	36.1	36.3	36.3	36.8	37.0	37.0	37.1	37.1	37.1	37.2	37.2	37.4	37.6
GE 18000	29.1	33.6	34.3	36.1	36.3	36.3	36.8	37.0	37.0	37.1	37.1	37.1	37.2	37.2	37.4	37.6
GE 16000	29.1	33.6	34.3	36.1	36.3	36.3	36.8	37.0	37.0	37.1	37.1	37.1	37.2	37.2	37.4	37.6
GE 14000	29.6	34.3	35.1	36.9	37.1	37.1	37.6	37.8	37.8	37.9	37.9	37.9	38.1	38.1	38.2	38.4
GE 12000	29.8	34.5	35.3	37.1	37.4	37.4	37.8	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.4	38.7
GE 10000	31.0	36.4	37.2	39.0	39.4	39.4	40.0	40.2	40.2	40.3	40.3	40.3	40.4	40.4	40.5	40.8
GE 9000	32.4	38.2	39.4	41.3	41.6	41.6	42.2	42.4	42.4	42.6	42.6	42.6	42.8	42.8	42.9	43.1
GE 8000	32.9	38.7	40.0	41.8	42.2	42.2	42.9	43.1	43.1	43.3	43.3	43.3	43.5	43.5	43.6	43.9
GE 7000	34.0	40.3	41.7	43.7	44.1	44.1	45.0	45.4	45.4	45.5	45.5	45.5	45.7	45.7	45.9	46.1
GE 6000	35.7	42.4	43.9	46.1	46.5	46.5	47.5	47.9	47.9	48.0	48.0	48.0	48.2	48.2	48.3	48.6
GE 5000	38.4	46.6	48.2	50.9	51.4	51.4	52.7	53.3	53.4	53.7	53.7	53.7	53.9	53.9	54.0	54.3
GE 4500	40.0	49.2	50.9	54.0	54.6	54.6	56.1	56.7	56.9	57.1	57.1	57.1	57.3	57.3	57.4	57.7
GE 4000	41.3	50.7	52.5	55.8	56.4	56.4	57.9	58.5	58.6	58.9	58.9	58.9	59.1	59.1	59.3	59.6
GE 3500	42.1	51.8	53.7	57.0	57.7	57.7	59.3	59.9	60.0	60.4	60.4	60.4	60.6	60.6	60.9	61.1
GE 3000	45.2	56.5	58.4	61.8	63.0	63.1	64.8	65.4	65.5	66.0	66.0	66.0	66.2	66.2	66.4	66.7
GE 2500	46.5	59.9	61.8	65.6	67.3	67.5	69.1	69.9	70.0	70.4	70.4	70.4	70.9	70.9	71.2	71.4
GE 2000	47.8	62.8	64.8	69.1	71.2	71.9	74.0	74.8	75.2	75.9	75.9	75.9	76.4	76.4	76.6	76.6
GE 1800	47.8	63.0	65.2	70.1	72.2	72.9	75.1	75.9	76.2	77.0	77.0	77.0	77.4	77.4	77.7	77.9
GE 1500	48.0	64.9	67.5	72.6	74.7	75.4	77.9	78.8	79.2	79.9	79.9	79.9	80.6	80.6	80.9	81.1
GE 1200	48.5	66.4	69.5	75.1	77.8	78.5	81.3	82.6	83.1	83.8	83.8	83.8	84.6	84.6	84.9	85.1
GE 1000	48.6	67.0	70.2	75.8	78.6	79.4	82.5	84.0	84.5	85.2	85.2	85.2	86.1	86.1	86.3	86.5
GE 900	48.8	67.4	70.7	76.2	79.1	79.9	83.0	84.5	85.0	85.7	85.8	85.8	86.6	86.6	86.9	87.1
GE 800	48.9	67.8	71.2	76.8	79.7	80.6	83.7	85.2	85.7	86.4	86.5	86.5	87.4	87.4	87.6	87.8
GE 700	48.9	68.1	71.4	77.4	80.3	81.2	84.4	86.1	86.8	87.6	87.7	87.7	88.5	88.5	88.8	89.0
GE 600	48.9	68.1	71.6	77.8	80.9	82.3	85.6	87.6	88.3	89.4	89.7	89.7	90.7	90.7	90.9	91.1
GE 500	48.9	68.1	71.6	78.0	81.2	82.9	86.3	88.3	89.1	90.2	90.5	90.5	91.6	91.6	91.8	92.1
GE 400	48.9	68.2	71.7	78.4	81.8	83.6	87.4	89.5	90.4	91.5	91.8	92.0	93.1	93.1	93.4	93.6
GE 300	48.9	68.3	71.9	78.5	81.9	83.8	87.8	90.0	91.1	92.7	93.1	93.3	94.6	94.6	94.9	95.2
GE 200	48.9	68.4	72.0	78.6	82.0	84.0	88.3	90.5	91.8	93.5	94.2	94.3	95.6	95.6	96.0	96.6
GE 100	48.9	68.4	72.0	78.6	82.0	84.0	88.5	90.8	92.4	94.2	95.3	95.4	96.9	97.0	97.8	98.9
GE 0	48.9	68.4	72.0	78.6	82.0	84.0	88.5	90.8	92.4	94.2	95.3	95.4	96.9	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0900-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.9	29.2	30.1	32.9	33.8	34.4	35.0	35.0	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.5
GE 20000	25.9	35.0	36.4	39.5	40.5	41.1	41.7	41.7	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.2
GE 18000	25.9	35.2	36.6	39.7	40.8	41.4	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.4
GE 16000	26.0	35.3	36.8	39.8	40.9	41.5	42.1	42.1	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.6
GE 14000	26.6	35.9	37.4	40.4	41.5	42.1	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	43.1
GE 12000	27.3	36.8	38.2	41.3	42.3	42.9	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	44.0
GE 10000	28.0	37.6	39.1	42.4	43.5	44.1	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	45.2
GE 9000	28.6	38.3	39.8	43.1	44.2	44.8	45.4	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.9
GE 8000	29.2	39.1	40.7	44.0	45.0	45.6	46.2	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.7
GE 7000	29.6	40.0	41.5	44.9	46.0	46.8	47.5	47.6	47.6	47.9	47.9	47.9	47.9	47.9	47.9	48.1
GE 6000	30.3	40.7	42.2	45.9	46.9	47.8	48.6	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	49.2
GE 5000	33.8	45.4	47.0	51.1	52.2	53.1	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.8
GE 4500	34.4	46.3	48.1	52.5	53.9	54.8	56.1	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.9
GE 4000	36.4	48.7	50.5	55.2	56.7	57.7	59.3	59.6	59.7	59.9	59.9	59.9	59.9	59.9	59.9	60.2
GE 3500	37.4	50.0	51.8	56.6	58.7	59.9	61.6	61.8	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.5
GE 3000	38.8	53.0	55.3	60.9	63.2	64.5	66.4	66.8	66.9	67.5	67.5	67.5	67.5	67.5	67.5	67.7
GE 2500	41.0	56.3	58.7	64.8	67.5	69.0	70.9	71.3	71.5	72.5	72.5	72.5	72.7	72.7	72.7	72.9
GE 2000	42.6	59.0	61.8	69.1	72.2	73.8	75.8	76.1	76.4	77.3	77.3	77.3	77.5	77.5	77.5	77.8
GE 1800	43.0	60.3	63.4	71.0	74.2	75.8	77.8	78.1	78.5	79.4	79.4	79.4	79.7	79.7	79.7	79.9
GE 1500	43.3	61.2	64.7	72.6	76.1	77.9	80.3	80.7	81.1	82.0	82.0	82.0	82.4	82.4	82.4	82.6
GE 1200	44.1	63.2	66.9	75.2	79.2	81.3	83.8	84.5	84.9	85.8	85.8	85.8	86.2	86.2	86.2	86.4
GE 1000	44.1	63.6	67.3	75.7	80.0	82.2	85.0	85.8	86.3	87.4	87.4	87.4	87.7	87.7	87.7	87.9
GE 900	44.1	63.7	67.4	75.9	80.3	82.4	85.2	86.1	86.5	87.7	87.7	87.7	88.1	88.1	88.1	88.3
GE 800	44.1	63.9	67.6	76.1	80.6	82.7	85.7	86.5	87.0	88.2	88.3	88.3	88.7	88.7	88.7	88.9
GE 700	44.1	64.2	67.8	76.6	81.1	83.3	86.3	87.4	87.8	89.1	89.2	89.2	89.6	89.6	89.6	89.8
GE 600	44.1	64.3	68.0	76.7	81.8	84.6	87.9	89.0	89.5	91.0	91.1	91.1	91.5	91.5	91.5	91.7
GE 500	44.1	64.4	68.1	76.8	82.2	85.0	88.4	89.7	90.2	91.8	92.1	92.1	92.6	92.6	92.7	92.9
GE 400	44.1	64.5	68.2	77.1	82.6	85.7	89.6	91.0	91.5	93.6	93.9	94.1	94.8	94.8	95.0	95.3
GE 300	44.1	64.5	68.2	77.1	82.6	86.1	90.1	92.0	92.7	95.0	95.4	95.7	96.7	96.7	96.9	97.3
GE 200	44.1	64.5	68.2	77.1	82.6	86.1	90.1	92.6	93.3	95.6	96.2	96.6	98.3	98.3	98.6	99.1
GE 100	44.1	64.5	68.2	77.1	82.6	86.1	90.1	92.6	93.3	95.7	96.6	96.9	99.1	99.1	99.3	100.0
GE 0	44.1	64.5	68.2	77.1	82.6	86.1	90.1	92.6	93.3	95.7	96.6	96.9	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.0	35.6	36.6	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 20000	34.0	44.1	45.2	46.5	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 18000	34.2	44.3	45.4	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 16000	34.2	44.3	45.4	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 14000	34.8	45.0	46.1	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 12000	35.8	46.6	47.8	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 10000	36.3	47.4	48.6	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 9000	36.6	47.8	48.9	50.2	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 8000	37.5	48.6	49.8	51.1	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 7000	37.8	49.3	50.5	51.8	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 6000	38.7	50.5	51.7	53.3	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 5000	39.8	53.1	54.3	56.3	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4500	41.3	55.2	56.5	58.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 4000	43.4	57.9	59.2	61.6	62.5	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 3500	44.9	59.8	61.1	63.5	64.5	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 3000	46.3	62.3	63.6	67.0	68.2	68.3	68.8	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 2500	49.5	67.4	68.9	72.6	74.1	74.3	75.1	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 2000	51.8	70.8	72.7	76.5	78.6	79.0	80.1	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 1800	52.2	72.0	73.9	78.3	80.5	81.0	82.2	82.4	82.4	82.9	83.0	83.0	83.0	83.0	83.0	83.0
GE 1500	52.6	73.2	75.3	80.0	82.9	83.3	84.5	84.9	84.9	85.5	85.8	85.8	85.9	85.9	85.9	85.9
GE 1200	53.0	74.8	77.2	82.4	85.5	85.9	87.2	87.7	87.7	88.4	88.8	88.8	88.9	88.9	88.9	88.9
GE 1000	53.0	75.2	77.5	83.0	86.2	86.6	87.9	88.4	88.4	89.2	89.6	89.6	89.7	89.7	89.7	89.7
GE 900	53.1	75.4	77.8	83.5	87.0	87.6	89.0	89.7	89.7	90.5	90.9	90.9	91.0	91.0	91.0	91.0
GE 800	53.2	75.7	78.1	83.8	87.5	88.3	89.7	90.4	90.5	91.4	91.7	91.7	91.8	91.8	91.8	91.8
GE 700	53.2	75.7	78.1	83.8	87.7	88.7	90.1	91.0	91.1	92.0	92.3	92.3	92.4	92.4	92.4	92.4
GE 600	53.2	75.7	78.1	83.8	88.5	89.7	91.3	92.6	92.7	93.5	93.9	93.9	94.0	94.0	94.0	94.0
GE 500	53.3	75.8	78.3	84.0	88.9	90.2	92.0	93.5	93.6	94.7	95.2	95.2	95.5	95.5	95.5	95.5
GE 400	53.3	75.8	78.3	84.8	90.3	91.7	93.6	95.2	95.5	96.7	97.2	97.2	97.5	97.5	97.5	97.5
GE 300	53.3	75.9	78.4	85.0	90.5	92.0	94.6	96.2	96.8	98.3	98.9	98.9	99.5	99.5	99.5	99.5
GE 200	53.3	75.9	78.4	85.0	90.5	92.6	94.7	96.3	96.9	98.5	99.1	99.1	100.0	100.0	100.0	100.0
GE 100	53.3	75.9	78.4	85.0	90.5	92.0	94.7	96.3	96.9	98.5	99.1	99.1	100.0	100.0	100.0	100.0
GE 0	53.3	75.9	78.4	85.0	90.5	92.0	94.7	96.3	96.9	98.5	99.1	99.1	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.7	36.8	37.5	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 20000	41.6	46.7	47.4	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 18000	41.7	46.8	47.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 16000	41.7	46.8	47.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 14000	42.1	47.4	48.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 12000	42.8	48.3	49.2	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 10000	44.2	49.8	50.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 9000	45.0	50.8	51.9	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
GE 8000	45.5	51.3	52.4	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 7000	46.9	52.8	53.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 6000	47.4	53.7	54.7	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9
GE 5000	49.8	56.5	57.7	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9
GE 4500	51.8	59.2	60.4	62.2	62.3	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8
GE 4000	53.5	62.2	63.4	65.2	65.5	66.0	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
GE 3500	55.8	65.0	66.4	68.3	68.6	69.0	69.5	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7
GE 3000	57.4	68.3	69.9	72.0	72.3	73.0	73.5	73.5	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9
GE 2500	60.5	72.9	74.6	76.7	77.4	78.3	78.7	78.8	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2
GE 2000	61.8	76.0	77.9	80.5	81.8	82.7	83.5	83.8	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3
GE 1800	61.8	76.8	79.4	82.6	83.9	84.9	85.6	86.1	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.5
GE 1500	62.2	77.5	80.3	84.0	85.6	86.5	87.2	87.7	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3
GE 1200	62.5	78.0	80.7	84.8	86.5	87.7	88.5	89.0	89.1	89.7	89.8	89.8	89.8	89.8	89.8	89.8
GE 1000	62.5	78.0	80.9	84.9	86.6	88.1	88.9	89.5	89.6	90.3	90.5	90.5	90.5	90.5	90.5	90.5
GE 900	62.5	78.1	81.0	85.1	86.9	88.3	89.4	90.0	90.1	90.8	91.1	91.1	91.1	91.1	91.1	91.1
GE 800	62.5	78.1	81.0	85.1	86.9	88.3	89.4	90.0	90.1	90.8	91.1	91.1	91.1	91.1	91.1	91.1
GE 700	62.5	78.1	81.1	85.5	87.6	89.5	90.5	91.1	91.3	92.0	92.3	92.3	92.3	92.3	92.3	92.3
GE 600	62.5	78.5	81.4	85.8	88.4	90.5	91.7	92.6	92.7	93.4	93.7	93.7	93.7	93.7	93.7	93.7
GE 500	62.5	78.6	81.6	86.1	88.8	91.4	92.7	93.5	93.6	94.3	94.8	94.8	94.8	94.8	94.8	94.8
GE 400	62.5	78.6	81.6	86.1	88.9	91.6	93.0	94.3	94.6	95.7	96.6	96.6	96.6	96.6	96.6	96.6
GE 300	62.5	78.6	81.6	86.1	88.9	91.6	94.0	95.4	95.9	97.3	98.1	98.1	98.5	98.5	98.5	98.5
GE 200	62.5	78.6	81.6	86.1	88.9	91.6	94.0	95.9	96.3	98.0	98.9	98.9	99.8	99.8	99.9	99.9
GE 100	62.5	78.6	81.6	86.1	88.9	91.6	94.0	95.9	96.3	98.0	98.9	98.9	99.8	99.8	100.0	100.0
GE 0	62.5	78.6	81.6	86.1	88.9	91.6	94.0	95.9	96.3	98.0	98.9	98.9	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	35.1	37.5	38.2	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	39.0
GE 20000	41.0	43.5	44.7	45.4	45.4	45.7	45.7	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.1
GE 18000	41.0	43.5	44.7	45.4	45.4	45.7	45.7	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.1
GE 16000	41.1	43.6	44.8	45.5	45.5	45.9	45.9	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.2
GE 14000	41.6	44.1	45.3	46.0	46.0	46.3	46.3	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.7
GE 12000	42.8	45.3	46.5	47.5	47.5	47.9	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.2
GE 10000	44.9	47.5	48.7	50.1	50.1	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.8
GE 9000	46.8	50.0	51.3	52.8	52.8	53.2	53.2	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.7
GE 8000	47.0	50.2	51.7	53.2	53.2	53.5	53.5	53.7	53.7	53.7	53.9	53.9	53.9	53.9	53.9	54.0
GE 7000	49.2	52.5	53.9	55.6	55.6	55.9	55.9	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.5
GE 6000	50.5	53.9	55.3	57.3	57.3	57.9	57.9	58.0	58.0	58.2	58.4	58.4	58.4	58.4	58.4	58.6
GE 5000	52.8	57.0	58.5	60.5	60.6	61.5	61.5	61.6	61.6	61.7	61.9	61.9	61.9	61.9	61.9	62.2
GE 4500	56.5	61.2	62.9	65.0	65.2	66.1	66.2	66.3	66.3	66.4	66.7	66.7	66.7	66.7	66.7	66.9
GE 4000	57.7	62.8	64.4	66.5	66.8	67.6	68.0	68.1	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.7
GE 3500	60.0	65.7	67.5	69.7	70.0	70.9	71.3	71.4	71.4	71.5	71.7	71.7	71.7	71.7	71.7	72.0
GE 3000	61.3	68.0	69.7	72.2	72.8	73.8	74.2	74.5	74.5	74.8	75.1	75.1	75.1	75.1	75.1	75.3
GE 2500	63.0	71.4	73.4	76.1	77.1	78.1	78.7	79.0	79.0	79.4	79.7	79.7	79.7	79.7	79.7	79.9
GE 2000	63.8	73.6	76.2	79.7	80.7	81.9	83.0	83.3	83.5	84.0	84.3	84.3	84.3	84.3	84.3	84.5
GE 1800	64.7	75.3	78.3	81.8	82.9	84.0	85.3	85.7	85.8	86.4	86.6	86.6	86.6	86.6	86.6	86.9
GE 1500	64.9	75.9	79.2	83.3	84.6	85.9	87.5	87.8	87.9	88.7	88.9	88.9	88.9	88.9	88.9	89.1
GE 1200	65.0	76.5	79.8	84.2	85.5	87.0	88.7	89.2	89.4	90.2	90.4	90.4	90.4	90.4	90.4	90.7
GE 1000	65.0	76.6	79.9	84.4	85.7	87.2	88.9	89.7	89.8	90.8	91.1	91.1	91.3	91.3	91.3	91.5
GE 900	65.0	76.7	80.1	85.0	86.6	88.2	89.8	90.7	90.8	91.7	92.2	92.2	92.4	92.4	92.4	92.7
GE 800	65.0	77.1	80.5	85.7	87.4	89.2	91.0	91.8	92.0	92.9	93.4	93.4	93.6	93.6	93.6	93.9
GE 700	65.0	77.1	80.5	85.7	87.4	89.2	91.0	92.0	92.1	93.1	93.6	93.6	93.9	93.9	93.9	94.1
GE 600	65.0	77.2	80.6	85.9	87.7	89.7	91.5	92.4	92.7	93.7	94.2	94.2	94.4	94.4	94.4	94.7
GE 500	65.0	77.2	80.6	85.9	87.8	90.2	92.0	92.9	93.4	94.6	95.2	95.2	95.4	95.4	95.4	95.6
GE 400	65.0	77.2	80.6	85.9	87.8	90.3	92.2	93.6	94.2	95.5	96.1	96.1	96.8	96.8	96.8	97.0
GE 300	65.0	77.2	80.6	85.9	87.8	90.3	92.2	93.6	94.6	96.1	96.9	96.9	98.0	98.0	98.0	98.2
GE 200	65.0	77.2	80.6	85.9	87.8	90.3	92.3	93.9	94.8	96.6	97.5	97.5	98.7	98.7	99.1	99.3
GE 100	65.0	77.2	80.6	85.9	87.8	90.3	92.3	93.9	94.9	96.7	97.6	97.6	99.1	99.1	99.5	99.8
GE 0	65.0	77.2	80.6	85.9	87.8	90.3	92.3	93.9	94.9	96.7	97.6	97.6	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.8	39.8	40.4	41.0	41.1	41.1	41.4	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.7	41.8
GE 20000	39.8	43.6	45.4	46.0	46.1	46.1	46.3	46.3	46.3	46.5	46.5	46.5	46.6	46.6	46.7	46.8
GE 18000	40.1	43.9	45.6	46.2	46.3	46.3	46.6	46.6	46.6	46.7	46.7	46.7	46.8	46.8	46.9	47.0
GE 16000	40.1	43.9	45.6	46.2	46.3	46.3	46.6	46.6	46.6	46.7	46.7	46.7	46.8	46.8	46.9	47.0
GE 14000	40.7	44.4	46.2	46.8	46.9	46.9	47.2	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.5	47.6
GE 12000	40.9	44.9	46.7	47.6	47.8	47.8	48.0	48.0	48.0	48.1	48.1	48.1	48.2	48.2	48.3	48.5
GE 10000	42.2	46.6	48.3	49.6	49.8	49.8	50.0	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.4	50.5
GE 9000	44.6	49.2	51.1	52.6	52.7	52.7	53.0	53.0	53.0	53.1	53.1	53.1	53.2	53.2	53.3	53.4
GE 8000	44.8	49.5	51.4	53.0	53.1	53.1	53.3	53.3	53.3	53.4	53.4	53.4	53.5	53.5	53.7	53.8
GE 7000	47.9	52.6	54.6	56.3	56.4	56.4	56.6	56.6	56.6	56.7	56.7	56.7	57.0	57.0	57.1	57.2
GE 6000	49.6	54.6	56.7	58.5	58.6	58.6	58.9	58.9	58.9	59.0	59.0	59.0	59.2	59.2	59.3	59.5
GE 5000	51.5	57.2	59.3	61.1	61.3	61.3	61.6	61.6	61.6	61.7	61.7	61.7	61.9	61.9	62.1	62.2
GE 4500	53.9	61.0	63.4	65.4	65.6	65.6	65.8	65.8	65.8	66.1	66.1	66.1	66.3	66.3	66.5	66.8
GE 4000	55.2	62.9	65.2	67.3	67.7	67.7	68.1	68.1	68.1	68.4	68.4	68.4	68.7	68.7	68.9	69.1
GE 3500	56.6	65.4	67.7	69.7	70.4	70.7	71.0	71.0	71.0	71.4	71.4	71.4	71.6	71.6	71.9	72.1
GE 3000	58.6	68.7	71.0	73.3	74.0	74.5	74.8	74.8	74.8	75.2	75.2	75.2	75.4	75.4	75.7	75.9
GE 2500	59.3	71.4	73.9	76.4	77.5	78.0	78.4	78.5	78.5	79.0	79.0	79.0	79.2	79.2	79.4	79.7
GE 2000	60.0	73.9	77.8	80.7	82.0	82.5	83.0	83.2	83.2	83.7	83.7	83.7	83.9	83.9	84.2	84.4
GE 1800	60.4	74.8	79.1	82.4	83.7	84.2	84.6	84.9	84.9	85.3	85.3	85.3	85.6	85.6	85.8	86.1
GE 1500	60.5	75.4	79.7	83.1	84.5	85.0	85.5	85.7	85.7	86.2	86.2	86.2	86.4	86.4	86.6	86.9
GE 1200	60.5	76.4	80.6	84.8	86.2	86.6	87.2	87.5	87.6	88.1	88.1	88.1	88.3	88.3	88.5	88.8
GE 1000	60.5	76.6	80.9	85.6	87.0	87.6	88.2	88.4	88.5	89.1	89.4	89.4	89.6	89.6	89.8	90.1
GE 900	60.5	76.7	81.0	86.2	87.6	88.2	89.0	89.4	89.5	90.1	90.3	90.3	90.5	90.5	90.8	91.0
GE 800	60.5	77.1	81.3	86.8	88.2	88.8	89.7	90.2	90.3	90.9	91.1	91.1	91.4	91.4	91.6	91.8
GE 700	60.5	77.8	82.0	87.8	89.4	90.1	91.0	91.5	91.7	92.3	92.6	92.6	92.8	92.8	93.0	93.3
GE 600	60.5	77.9	82.2	88.2	89.8	90.5	91.5	92.0	92.2	92.8	93.3	93.3	93.5	93.5	93.7	94.0
GE 500	60.5	77.9	82.2	88.2	90.0	90.7	91.6	92.1	92.4	93.0	93.5	93.5	93.7	93.7	94.0	94.2
GE 400	60.5	78.0	82.4	88.5	90.3	91.0	92.2	92.7	93.0	93.7	94.3	94.3	94.7	94.7	94.9	95.2
GE 300	60.5	78.0	82.4	88.5	90.3	91.0	92.3	92.8	93.5	94.8	95.4	95.4	95.7	95.7	96.0	96.2
GE 200	60.5	78.0	82.4	88.7	90.4	91.1	92.9	93.7	94.4	96.3	97.0	97.0	97.5	97.5	97.8	98.0
GE 100	60.5	78.0	82.4	88.7	90.4	91.1	92.9	93.7	94.7	96.8	97.9	97.9	98.7	98.7	99.1	99.8
GE 0	60.5	78.0	82.4	88.7	90.4	91.1	92.9	93.7	94.7	96.8	97.9	97.9	98.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.3	34.7	35.4	36.5	36.7	36.8	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.3	37.5
GE 20000	34.7	40.3	41.3	42.5	42.8	43.0	43.2	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.5	43.6
GE 18000	34.8	40.4	41.4	42.7	43.0	43.1	43.3	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.6	43.8
GE 16000	34.8	40.5	41.5	42.7	43.0	43.1	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.7	43.8
GE 14000	35.4	41.1	42.1	43.4	43.7	43.8	44.1	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.4	44.5
GE 12000	36.0	41.8	42.9	44.3	44.5	44.7	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2	45.4
GE 10000	37.3	43.5	44.6	46.1	46.5	46.6	46.8	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.1	47.3
GE 9000	38.7	45.2	46.4	48.0	48.4	48.5	48.7	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.1	49.2
GE 8000	39.3	45.9	47.1	48.8	49.1	49.2	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.8	50.0
GE 7000	40.9	47.7	48.9	50.7	51.0	51.1	51.4	51.6	51.6	51.7	51.7	51.7	51.8	51.8	51.9	52.0
GE 6000	42.0	49.0	50.4	52.4	52.7	52.9	53.3	53.4	53.4	53.5	53.6	53.6	53.7	53.7	53.8	53.9
GE 5000	44.4	52.3	53.8	56.0	56.4	56.6	57.0	57.2	57.3	57.4	57.5	57.5	57.5	57.5	57.7	57.8
GE 4500	46.3	55.1	56.8	59.2	59.7	60.0	60.5	60.7	60.8	60.9	61.0	61.0	61.1	61.1	61.2	61.4
GE 4000	47.9	57.3	59.0	61.5	62.1	62.4	63.1	63.3	63.3	63.6	63.6	63.6	63.8	63.8	64.0	64.2
GE 3500	49.5	59.5	61.3	63.9	64.7	65.0	65.8	66.0	66.1	66.3	66.4	66.4	66.5	66.5	66.8	66.9
GE 3000	51.3	62.7	64.7	67.7	68.6	69.1	69.9	70.2	70.3	70.7	70.7	70.7	70.8	70.8	71.1	71.3
GE 2500	53.0	66.1	68.2	71.4	72.8	73.3	74.2	74.5	74.6	75.1	75.2	75.2	75.4	75.4	75.6	75.8
GE 2000	54.4	69.3	72.0	75.9	77.5	78.2	79.3	79.8	79.9	80.5	80.6	80.6	80.8	80.8	81.0	81.3
GE 1800	54.7	70.3	73.3	77.6	79.3	80.0	81.1	81.6	81.8	82.3	82.4	82.4	82.7	82.7	82.9	83.1
GE 1500	55.0	71.3	74.5	79.1	81.0	81.7	83.0	83.6	83.7	84.3	84.5	84.5	84.8	84.8	85.0	85.2
GE 1200	55.3	72.4	75.8	80.8	82.9	83.8	85.2	85.9	86.1	86.8	86.9	86.9	87.2	87.2	87.5	87.7
GE 1000	55.4	72.8	76.3	81.5	83.7	84.6	86.1	86.9	87.1	87.9	88.1	88.1	88.4	88.4	88.6	88.9
GE 900	55.4	73.0	76.5	81.9	84.3	85.2	86.8	87.6	87.8	88.6	88.8	88.8	89.2	89.2	89.4	89.6
GE 800	55.4	73.2	76.8	82.4	84.8	85.8	87.4	88.2	88.5	89.2	89.5	89.5	89.9	89.9	90.1	90.3
GE 700	55.4	73.4	77.0	82.8	85.2	86.3	88.0	89.0	89.3	90.1	90.4	90.4	90.7	90.7	91.0	91.2
GE 600	55.4	73.5	77.2	83.1	85.9	87.2	89.0	90.2	90.5	91.4	91.7	91.8	92.1	92.1	92.3	92.6
GE 500	55.5	73.6	77.2	83.3	86.3	87.8	89.7	91.0	91.4	92.4	92.8	92.8	93.3	93.3	93.5	93.8
GE 400	55.5	73.7	77.3	83.6	86.8	88.4	90.5	92.0	92.5	93.8	94.3	94.3	94.9	94.9	95.2	95.4
GE 300	55.5	73.7	77.4	83.6	86.9	88.7	91.1	92.6	93.4	94.9	95.5	95.6	96.4	96.4	96.7	96.9
GE 200	55.5	73.7	77.4	83.7	86.9	88.8	91.4	93.2	94.0	95.7	96.4	96.5	97.5	97.5	97.9	98.2
GE 100	55.5	73.7	77.4	83.7	86.9	88.8	91.4	93.3	94.3	96.1	96.9	97.0	98.3	98.3	98.8	99.6
GE 0	55.5	73.7	77.4	83.7	86.9	88.8	91.4	93.3	94.3	96.1	97.0	97.1	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.4	47.5	47.7	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.5	48.8
GE 20000	46.1	51.5	51.9	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.8	53.1
GE 18000	46.1	51.6	52.0	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.9	53.2
GE 16000	46.3	51.8	52.3	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	53.1	53.4
GE 14000	46.8	52.3	52.7	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.5	53.9
GE 12000	48.3	53.8	54.2	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	55.1	55.4
GE 10000	50.0	55.5	55.9	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.5	56.8	57.1
GE 9000	51.3	57.0	57.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.3	58.6
GE 8000	52.3	58.1	58.5	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.4	59.7
GE 7000	54.1	60.5	61.0	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.8	62.2
GE 6000	55.5	62.2	62.6	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.8	64.1
GE 5000	58.9	66.2	67.2	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.4	68.7
GE 4500	62.7	71.2	72.3	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.1	73.1	73.2	73.2	73.5	73.9
GE 4000	64.8	74.5	75.8	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.9	76.9	77.2	77.5
GE 3500	66.8	78.0	79.4	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.4	80.4	80.5	80.5	80.9	81.2
GE 3000	68.9	81.1	82.5	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.7	83.7	83.8	83.8	84.1	84.4
GE 2500	70.2	83.2	84.8	85.9	86.0	86.0	86.2	86.3	86.3	86.3	86.5	86.5	86.6	86.6	86.9	87.2
GE 2000	71.1	85.5	87.2	88.8	89.0	89.0	89.2	89.4	89.4	89.4	89.5	89.5	89.6	89.6	89.9	90.2
GE 1800	71.2	86.6	88.5	90.2	90.5	90.5	90.9	91.1	91.1	91.1	91.2	91.2	91.3	91.3	91.6	91.9
GE 1500	71.2	87.5	89.7	91.4	91.7	91.7	92.0	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.9	93.2
GE 1200	71.2	88.3	90.5	92.4	92.7	92.7	93.1	93.4	93.4	93.4	93.5	93.5	93.7	93.7	94.0	94.3
GE 1000	71.2	88.5	90.8	92.7	93.0	93.0	93.5	94.0	94.0	94.0	94.1	94.1	94.2	94.2	94.5	94.8
GE 900	71.2	89.0	91.3	93.2	93.5	93.5	94.3	94.7	94.7	94.7	94.8	94.8	94.9	94.9	95.3	95.6
GE 800	71.2	89.2	91.5	93.4	93.8	93.8	94.6	95.2	95.2	95.2	95.3	95.3	95.4	95.4	95.7	96.0
GE 700	71.2	89.2	91.5	93.4	93.9	94.0	94.8	95.4	95.4	95.4	95.5	95.5	95.6	95.6	95.9	96.2
GE 600	71.2	89.2	91.7	93.9	94.4	94.5	95.8	96.3	96.3	96.3	96.5	96.5	96.6	96.6	96.9	97.2
GE 500	71.2	89.4	91.8	94.2	94.9	95.1	96.3	96.9	96.9	96.9	97.0	97.0	97.1	97.1	97.4	97.7
GE 400	71.2	89.4	91.8	94.2	95.3	95.4	96.9	97.4	97.5	97.7	97.8	97.8	98.2	98.3	98.6	98.9
GE 300	71.2	89.4	91.8	94.2	95.3	95.4	96.9	97.5	97.6	97.8	98.0	98.0	98.5	98.6	98.9	99.2
GE 200	71.2	89.5	91.9	94.5	95.6	95.7	97.2	97.8	98.1	98.3	98.4	98.4	98.9	99.0	99.4	99.7
GE 100	71.2	89.5	91.9	94.5	95.6	95.7	97.2	97.8	98.1	98.5	98.6	98.6	99.1	99.2	99.7	100.0
GE 0	71.2	89.5	91.9	94.5	95.6	95.7	97.2	97.8	98.1	98.5	98.6	98.6	99.1	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.4	43.3	44.2	44.5	44.5	44.6	44.9	44.9	44.9	44.9	44.9	44.9	45.2	45.2	45.3	45.7
GE 20000	40.1	46.9	47.7	48.2	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.8	48.8	48.9	49.4
GE 18000	40.1	46.9	47.7	48.4	48.4	48.5	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.1	49.6
GE 16000	40.1	46.9	47.7	48.4	48.4	48.5	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.1	49.6
GE 14000	40.5	47.3	48.2	48.8	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5	49.6	50.0
GE 12000	41.7	48.5	49.4	50.0	50.0	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.8	51.2
GE 10000	43.1	49.9	50.8	51.4	51.4	51.5	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.0	52.2	52.6
GE 9000	45.3	52.4	53.2	53.9	53.9	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.6	55.1
GE 8000	45.9	53.0	53.9	54.5	54.5	54.6	54.9	54.9	54.9	54.9	54.9	54.9	55.2	55.2	55.3	55.7
GE 7000	48.1	55.5	56.3	57.0	57.0	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.6	57.6	57.7	58.2
GE 6000	49.2	57.0	57.8	58.5	58.5	58.6	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.2	59.7
GE 5000	51.9	60.8	61.8	62.6	62.7	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.4	63.4	63.5	64.0
GE 4500	54.4	64.9	66.2	67.2	67.3	67.5	67.8	67.8	67.8	67.8	67.8	67.8	68.1	68.1	68.2	68.6
GE 4000	55.6	66.7	68.0	69.0	69.2	69.5	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.0	70.1	70.5
GE 3500	58.1	70.5	72.2	73.5	73.8	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5	74.6	75.1
GE 3000	61.4	75.4	77.4	79.1	79.5	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.3	80.8
GE 2500	63.1	78.3	80.4	82.4	82.9	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.7	83.7	83.8	84.2
GE 2000	63.9	80.5	82.9	85.3	85.9	86.1	86.6	86.6	86.7	86.7	86.7	86.7	86.9	86.9	87.0	87.4
GE 1800	64.1	81.1	83.5	86.0	86.7	86.9	87.5	87.5	87.6	87.6	87.6	87.6	87.8	87.8	88.0	88.4
GE 1500	64.2	82.6	85.1	87.7	88.5	88.7	89.4	89.4	89.5	89.5	89.5	89.5	89.7	89.7	89.8	90.2
GE 1200	64.3	84.5	87.2	90.1	90.9	91.1	91.9	91.9	92.0	92.0	92.0	92.0	92.3	92.3	92.4	92.8
GE 1000	64.3	84.6	87.5	90.4	91.2	91.4	92.3	92.3	92.4	92.4	92.4	92.4	92.6	92.6	92.7	93.1
GE 900	64.3	84.9	87.8	90.8	91.5	91.7	92.9	92.9	93.0	93.0	93.0	93.0	93.2	93.2	93.3	93.8
GE 800	64.3	84.9	88.0	90.9	91.6	91.8	93.0	93.0	93.1	93.1	93.1	93.1	93.3	93.3	93.4	93.9
GE 700	64.3	85.1	88.2	91.1	91.8	92.0	93.3	93.3	93.4	93.4	93.4	93.4	93.7	93.7	93.8	94.2
GE 600	64.3	85.2	88.4	91.7	92.8	93.2	94.7	94.8	94.9	95.1	95.1	95.1	95.3	95.3	95.4	95.8
GE 500	64.3	85.2	88.4	91.8	93.1	93.5	95.2	95.3	95.4	95.5	95.5	95.5	95.8	95.8	95.9	96.3
GE 400	64.3	85.2	88.4	92.4	93.9	94.4	96.1	96.5	96.6	97.1	97.1	97.1	97.4	97.4	97.5	98.0
GE 300	64.3	85.2	88.4	92.4	93.9	94.4	96.2	96.6	96.7	97.3	97.3	97.3	97.6	97.6	97.7	98.2
GE 200	64.3	85.2	88.4	92.4	93.9	94.4	96.2	96.8	96.9	97.5	97.5	97.5	98.0	98.0	98.4	98.8
GE 100	64.3	85.2	88.4	92.7	94.2	94.7	96.6	97.2	97.3	98.0	98.0	98.0	98.4	98.4	98.8	99.8
GE 0	64.3	85.2	88.4	92.7	94.2	94.7	96.6	97.2	97.3	98.0	98.0	98.0	98.4	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.6	36.2	38.2	39.5	39.9	39.9	40.0	40.1	40.1	40.1	40.1	40.1	40.2	40.2	40.3	40.6
GE 20000	33.1	41.1	43.0	44.5	44.9	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.4	45.7
GE 18000	33.3	41.3	43.2	44.7	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.6	45.9
GE 16000	33.3	41.3	43.2	44.9	45.4	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.8	46.1
GE 14000	33.9	41.9	43.9	45.6	46.0	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.5	46.5	46.6	46.9
GE 12000	34.5	42.6	44.5	46.2	46.7	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.1	47.1	47.2	47.5
GE 10000	35.9	44.3	46.2	48.1	48.6	48.6	48.8	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.1	49.5
GE 9000	37.6	46.3	48.3	50.1	50.8	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.3	51.6
GE 8000	38.4	47.3	49.2	51.3	51.9	51.9	52.2	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.5	52.8
GE 7000	39.8	49.5	51.4	53.5	54.2	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.7	55.1
GE 6000	41.3	51.1	53.2	55.7	56.3	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9	57.2
GE 5000	44.4	55.3	57.4	60.3	61.0	61.1	61.5	61.6	61.6	61.7	61.7	61.7	61.8	61.8	62.0	62.4
GE 4500	46.6	58.8	61.3	64.5	65.5	65.7	66.2	66.3	66.6	66.7	66.7	66.7	66.8	66.8	67.0	67.3
GE 4000	47.0	60.2	62.7	66.3	67.3	67.5	68.1	68.2	68.4	68.5	68.5	68.5	68.6	68.6	68.8	69.1
GE 3500	50.1	64.0	66.6	70.8	71.7	72.0	72.6	72.8	73.0	73.1	73.1	73.1	73.2	73.2	73.4	73.8
GE 3000	52.2	67.4	70.5	75.1	76.0	76.3	77.1	77.3	77.5	77.6	77.6	77.6	77.7	77.7	78.0	78.3
GE 2500	53.7	70.6	74.0	78.6	79.6	79.9	80.8	81.0	81.2	81.4	81.4	81.4	81.5	81.5	81.7	82.0
GE 2000	55.5	73.0	76.6	81.6	82.7	83.0	84.1	84.3	84.5	84.7	84.7	84.7	84.8	84.8	85.1	85.4
GE 1800	55.9	74.3	78.0	83.1	84.2	84.6	85.7	85.9	86.1	86.3	86.3	86.3	86.5	86.5	86.7	87.0
GE 1500	56.1	75.7	79.6	84.8	85.9	86.3	87.4	87.6	87.8	88.1	88.1	88.1	88.2	88.2	88.4	88.7
GE 1200	56.5	76.7	80.9	86.3	87.5	88.0	89.7	90.0	90.2	90.4	90.4	90.4	90.5	90.5	90.8	91.1
GE 1000	56.6	76.9	81.3	86.8	88.1	88.5	90.5	90.9	91.1	91.4	91.4	91.4	91.5	91.5	91.7	92.0
GE 900	56.8	77.2	81.7	87.3	88.6	89.0	91.2	91.5	91.7	92.0	92.0	92.0	92.2	92.2	92.4	92.7
GE 800	56.8	77.3	81.8	87.4	88.7	89.1	91.4	91.7	91.9	92.3	92.3	92.3	92.4	92.4	92.6	92.9
GE 700	56.8	77.3	81.8	87.4	88.7	89.1	91.6	92.0	92.3	92.6	92.6	92.6	92.8	92.8	93.0	93.3
GE 600	56.8	77.4	82.0	87.7	89.0	89.5	92.3	92.8	93.0	93.5	93.5	93.5	93.8	93.8	94.1	94.4
GE 500	56.8	77.5	82.3	88.1	89.6	90.0	93.0	93.8	94.0	94.6	94.6	94.6	94.8	94.8	95.2	95.5
GE 400	56.8	77.5	82.3	88.2	89.8	90.4	93.7	94.5	94.7	95.7	95.7	95.7	95.9	95.9	96.2	96.6
GE 300	56.8	77.6	82.4	88.4	90.0	90.8	94.0	95.2	95.4	96.5	96.6	96.6	96.8	96.8	97.1	97.4
GE 200	56.8	77.6	82.4	88.4	90.0	90.8	94.2	95.4	95.6	96.7	96.8	96.8	97.0	97.0	97.5	98.0
GE 100	56.8	77.6	82.4	88.4	90.0	90.8	94.2	95.6	95.8	96.9	97.0	97.0	97.2	97.2	98.2	99.4
GE 0	56.8	77.6	82.4	88.4	90.0	90.8	94.2	95.6	95.8	96.9	97.0	97.0	97.2	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.6	38.3	40.0	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.0	41.0
GE 20000	36.9	45.5	47.5	48.3	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 18000	36.9	45.5	47.5	48.3	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 16000	36.9	45.5	47.5	48.3	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9	48.9	48.9
GE 14000	36.9	45.5	47.6	48.4	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0	49.0
GE 12000	37.4	46.3	48.5	49.2	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.0	50.0	50.0
GE 10000	38.8	48.1	50.2	51.1	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8	51.8	51.8
GE 9000	39.7	49.2	51.4	52.3	52.5	52.5	52.8	52.8	52.8	52.8	52.8	52.8	53.0	53.0	53.0	53.0
GE 8000	40.5	50.4	52.6	53.5	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.3
GE 7000	42.0	53.4	55.6	56.6	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.4	57.4	57.4	57.4
GE 6000	42.6	54.4	56.8	57.7	58.1	58.1	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.7	58.7
GE 5000	44.7	57.5	59.9	60.9	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.8	61.8	61.8	61.8
GE 4500	46.5	60.4	62.8	63.8	64.4	64.5	64.9	65.1	65.1	65.1	65.1	65.1	65.3	65.3	65.3	65.3
GE 4000	48.0	62.8	65.3	66.5	67.1	67.2	67.6	67.7	67.7	67.7	67.7	67.7	68.0	68.0	68.0	68.0
GE 3500	49.9	65.7	68.3	69.6	70.3	70.4	70.9	71.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2
GE 3000	51.8	69.5	72.2	73.7	74.4	74.5	75.1	75.2	75.2	75.2	75.2	75.2	75.4	75.4	75.4	75.4
GE 2500	54.5	72.8	75.7	77.6	78.4	78.7	79.5	79.7	79.7	79.7	79.7	79.7	79.9	79.9	79.9	79.9
GE 2000	57.5	76.9	80.0	82.8	83.7	84.1	85.6	85.9	85.9	86.1	86.1	86.1	86.5	86.5	86.5	86.5
GE 1800	58.1	77.7	80.9	83.9	84.8	85.3	86.9	87.2	87.2	87.4	87.4	87.4	87.8	87.8	87.8	87.8
GE 1500	58.8	78.9	82.3	85.4	86.5	87.0	88.8	89.1	89.1	89.6	89.6	89.6	90.0	90.0	90.0	90.0
GE 1200	59.4	80.4	83.8	87.0	88.2	88.7	90.8	91.1	91.1	91.6	91.6	91.6	92.0	92.0	92.0	92.0
GE 1000	59.5	81.2	84.7	88.4	89.7	90.3	92.4	92.7	92.7	93.2	93.2	93.2	93.7	93.7	93.7	93.7
GE 900	59.6	81.4	85.1	89.0	90.4	91.1	93.1	93.4	93.4	94.0	94.0	94.0	94.4	94.4	94.4	94.4
GE 800	59.6	81.6	85.3	89.4	90.9	91.6	93.7	94.0	94.0	94.5	94.5	94.5	94.9	94.9	94.9	94.9
GE 700	59.6	81.8	85.5	89.6	91.2	91.9	94.0	94.3	94.3	94.8	94.8	94.8	95.4	95.4	95.5	95.5
GE 600	59.6	81.8	85.5	89.6	91.4	92.2	94.3	94.6	94.7	95.7	95.7	95.7	96.2	96.2	96.3	96.3
GE 500	59.6	81.8	85.5	89.6	91.5	92.4	94.7	95.2	95.3	96.3	96.3	96.3	96.9	96.9	97.0	97.0
GE 400	59.6	81.8	85.5	89.6	91.6	92.5	95.3	95.7	95.8	97.1	97.3	97.3	98.2	98.2	98.3	98.3
GE 300	59.6	81.8	85.5	89.6	91.6	92.5	95.4	95.9	96.0	97.4	97.6	97.6	98.5	98.5	98.6	98.6
GE 200	59.6	81.8	85.5	89.6	91.6	92.5	95.4	95.9	96.0	97.8	98.2	98.2	99.0	99.0	99.1	99.2
GE 100	59.6	81.8	85.5	89.6	91.6	92.5	95.4	95.9	96.0	97.8	98.2	98.2	99.0	99.0	99.1	99.6
GE 0	59.6	81.8	85.5	89.6	91.6	92.5	95.4	95.9	96.0	97.8	98.2	98.2	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.9	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 20000	45.5	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 18000	45.6	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 16000	45.7	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 14000	46.1	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	52.3	52.3
GE 12000	46.8	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 10000	48.4	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 9000	50.2	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 8000	51.5	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 7000	52.8	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 6000	53.3	62.0	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 5000	55.4	64.6	65.1	65.2	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4500	57.3	67.3	68.0	68.1	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 4000	59.1	69.6	70.3	70.8	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500	62.0	73.0	73.8	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	65.6	77.4	78.3	78.9	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 2500	67.6	80.8	81.6	82.4	82.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	70.5	85.3	86.3	87.3	87.8	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1800	71.1	86.7	87.8	88.9	89.5	89.7	90.0	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3
GE 1500	71.7	88.4	89.6	90.8	91.3	91.5	91.9	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3
GE 1200	72.0	89.9	91.6	93.0	93.5	93.8	94.2	94.5	94.5	94.5	94.5	94.6	94.7	94.7	94.7	94.7
GE 1000	72.3	90.8	92.7	94.4	94.9	95.2	95.6	95.9	95.9	95.9	95.9	96.0	96.1	96.1	96.1	96.1
GE 900	72.3	90.9	92.8	94.5	95.4	95.6	96.1	96.6	96.6	96.8	96.8	96.9	97.0	97.0	97.0	97.0
GE 800	72.3	90.9	92.8	94.5	95.4	95.6	96.1	96.6	96.6	96.8	96.8	96.9	97.2	97.2	97.2	97.2
GE 700	72.3	90.9	92.8	94.5	95.5	95.7	96.3	96.8	96.8	97.3	97.3	97.4	97.7	97.7	97.7	97.7
GE 600	72.3	90.9	92.9	94.6	95.6	96.0	96.8	97.2	97.2	97.8	97.8	98.0	98.3	98.3	98.3	98.3
GE 500	72.3	90.9	92.9	94.6	95.6	96.0	96.9	97.3	97.3	98.1	98.1	98.2	98.5	98.5	98.5	98.5
GE 400	72.3	90.9	92.9	94.7	95.7	96.1	97.3	97.8	98.0	98.8	98.8	98.9	99.4	99.4	99.4	99.4
GE 300	72.3	90.9	92.9	94.7	95.7	96.1	97.3	98.0	98.1	98.9	99.0	99.1	99.6	99.6	99.6	99.6
GE 200	72.3	90.9	92.9	94.7	95.7	96.1	97.3	98.0	98.1	99.1	99.4	99.5	99.9	99.9	99.9	99.9
GE 100	72.4	91.0	93.0	94.8	95.8	96.2	97.4	98.1	98.2	99.2	99.5	99.6	100.0	100.0	100.0	100.0
GE 0	72.4	91.0	93.0	94.8	95.8	96.2	97.4	98.1	98.2	99.2	99.5	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	40.8	43.2	43.3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 20000	49.9	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 18000	49.9	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 16000	50.3	53.5	53.7	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 14000	50.5	53.9	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 12000	51.9	55.9	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 10000	53.7	58.3	58.4	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
GE 9000	56.5	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	57.2	62.5	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 7000	58.7	64.1	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 6000	60.4	66.2	66.3	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 5000	63.8	71.2	71.5	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	66.2	74.5	74.8	75.5	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 4000	69.1	77.7	78.1	79.0	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	71.2	79.9	80.2	81.2	81.5	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3000	73.1	82.8	83.1	84.1	84.4	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	75.4	86.1	86.5	87.5	87.8	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	77.3	89.1	89.6	90.8	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1800	77.8	90.2	90.6	91.8	92.2	92.4	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1500	78.6	91.4	91.8	93.0	93.3	93.7	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	78.8	92.2	92.7	94.2	94.5	94.8	94.8	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	78.9	92.7	93.2	94.7	95.3	95.6	95.7	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3
GE 900	78.9	92.8	93.3	94.9	95.6	95.9	96.0	96.3	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	78.9	92.9	93.4	95.3	95.9	96.3	96.6	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	78.9	92.9	93.4	95.4	96.0	96.6	96.9	97.2	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	78.9	92.9	93.4	95.5	96.1	96.7	97.1	97.4	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 500	78.9	92.9	93.4	95.5	96.1	96.7	97.2	97.5	97.6	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	78.9	92.9	93.4	95.6	96.2	96.8	97.3	97.7	97.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	78.9	92.9	93.4	95.6	96.2	96.8	97.3	98.0	98.1	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	78.9	92.9	93.4	95.6	96.2	96.8	97.3	98.5	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	78.9	92.9	93.4	95.6	96.2	96.8	97.3	98.5	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	78.9	92.9	93.4	95.6	96.2	96.8	97.3	98.5	98.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	45.4	46.9	47.3	47.3	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 20000	52.8	54.9	55.4	55.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 18000	52.9	55.1	55.5	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	53.0	55.2	55.6	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
GE 14000	53.2	55.5	55.9	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 12000	53.8	56.0	56.6	56.6	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 10000	55.5	58.1	58.6	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 9000	58.5	61.5	62.0	62.0	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 8000	59.9	62.9	63.4	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 7000	61.9	65.7	66.2	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 6000	64.2	68.3	68.8	68.9	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 5000	67.6	73.4	74.2	74.6	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4500	71.1	77.8	78.9	79.4	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	73.0	80.5	81.7	82.3	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3500	74.8	82.8	84.0	84.5	84.9	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3000	76.3	84.9	86.3	86.9	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500	78.2	87.4	89.0	89.6	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 2000	78.5	89.4	91.1	91.6	92.0	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1800	78.6	90.0	91.7	92.5	92.9	93.3	93.5	93.5	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1500	78.7	90.3	92.0	92.8	93.2	93.7	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	78.9	91.3	93.0	93.9	94.7	95.5	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000	78.9	91.4	93.2	94.1	94.9	95.7	96.1	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	78.9	91.5	93.3	94.3	95.3	96.1	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	78.9	91.6	93.5	94.6	95.6	96.6	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 700	78.9	91.6	93.5	94.6	95.8	96.8	97.2	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	78.9	91.6	93.5	94.8	96.1	97.1	97.5	98.0	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 500	78.9	91.6	93.5	94.8	96.1	97.1	97.7	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	78.9	91.6	93.5	94.8	96.1	97.1	97.7	98.4	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	78.9	91.6	93.5	94.8	96.1	97.1	97.8	98.6	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	78.9	91.6	93.5	94.8	96.1	97.1	98.0	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	78.9	91.6	93.5	94.8	96.1	97.1	98.0	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	78.9	91.6	93.5	94.8	96.1	97.1	98.0	98.8	98.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.1	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.7
GE 20000	53.3	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.7
GE 18000	53.3	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.7
GE 16000	53.3	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.7
GE 14000	53.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.9
GE 12000	54.5	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.8
GE 10000	54.8	57.8	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.3
GE 9000	57.1	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.2
GE 8000	58.2	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.4
GE 7000	60.2	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	65.1
GE 6000	62.5	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.5
GE 5000	66.6	72.0	72.3	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.1
GE 4500	69.5	76.1	76.5	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.4
GE 4000	70.9	78.4	78.8	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	80.0
GE 3500	73.7	81.7	82.2	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.5
GE 3000	75.3	84.7	85.2	85.9	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.8
GE 2500	76.2	86.7	87.1	88.0	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	89.1
GE 2000	76.8	88.9	89.5	90.5	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.7
GE 1800	76.9	89.7	90.4	91.7	92.3	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.2
GE 1500	77.0	90.4	91.2	92.5	93.0	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	94.1
GE 1200	77.1	91.6	92.5	93.9	94.4	94.6	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.6
GE 1000	77.1	91.8	92.7	94.2	94.7	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	96.2
GE 900	77.1	92.2	93.0	94.5	95.2	95.5	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5	96.8
GE 800	77.1	92.3	93.1	94.6	95.3	95.6	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.9
GE 700	77.1	92.3	93.1	94.8	95.5	95.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	97.2
GE 600	77.1	92.3	93.2	95.2	95.9	96.2	96.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.8
GE 500	77.1	92.3	93.2	95.2	96.2	96.6	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	98.2
GE 400	77.1	92.3	93.2	95.2	96.2	96.7	97.0	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.5	98.8
GE 300	77.1	92.3	93.2	95.2	96.2	96.8	97.3	98.5	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.5
GE 200	77.1	92.3	93.2	95.3	96.3	96.9	97.6	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.5	99.8
GE 100	77.1	92.3	93.2	95.3	96.3	96.9	97.8	99.0	99.0	99.5	99.6	99.6	99.6	99.6	99.7	100.0
GE 0	77.1	92.3	93.2	95.3	96.3	96.9	97.8	99.0	99.0	99.5	99.6	99.6	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.5	43.7	44.4	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.3
GE 20000	44.7	50.0	50.8	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.8
GE 18000	44.8	50.1	50.9	51.3	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7	51.9
GE 16000	44.9	50.2	51.0	51.4	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.9	52.0
GE 14000	45.2	50.6	51.4	51.8	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.3	52.4
GE 12000	46.1	51.7	52.5	53.0	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.6
GE 10000	47.5	53.4	54.2	54.7	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.2	55.3
GE 9000	49.5	55.8	56.6	57.1	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.6	57.7
GE 8000	50.5	57.0	57.8	58.3	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.8	59.0
GE 7000	52.2	59.3	60.1	60.7	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.2	61.3
GE 6000	53.6	61.0	61.9	62.5	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.2
GE 5000	56.7	65.1	66.2	67.0	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.7	67.9
GE 4500	59.3	68.9	70.1	71.0	71.4	71.5	71.7	71.7	71.8	71.8	71.8	71.8	71.9	71.9	72.0	72.1
GE 4000	60.9	71.3	72.6	73.7	74.1	74.3	74.5	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.9
GE 3500	63.3	74.4	75.6	77.1	77.5	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.2	78.3
GE 3000	65.6	77.9	79.4	80.9	81.4	81.5	81.8	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1	82.3
GE 2500	67.4	80.7	82.4	84.0	84.5	84.7	85.0	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.4	85.6
GE 2000	68.9	83.6	85.4	87.3	87.9	88.1	88.6	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.1	89.2
GE 1800	69.2	84.5	86.4	88.5	89.1	89.4	89.9	90.1	90.1	90.2	90.3	90.3	90.4	90.4	90.5	90.6
GE 1500	69.5	85.7	87.6	89.8	90.4	90.7	91.3	91.5	91.6	91.7	91.7	91.7	91.8	91.8	91.9	92.1
GE 1200	69.8	86.9	89.0	91.3	92.1	92.4	93.1	93.4	93.4	93.6	93.6	93.6	93.7	93.7	93.8	94.0
GE 1000	69.8	87.2	89.5	92.0	92.7	93.1	93.9	94.2	94.3	94.4	94.4	94.5	94.6	94.6	94.7	94.9
GE 900	69.9	87.5	89.8	92.3	93.2	93.6	94.5	94.8	94.9	95.1	95.1	95.1	95.2	95.2	95.3	95.5
GE 800	69.9	87.6	89.9	92.5	93.4	93.8	94.8	95.1	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.8
GE 700	69.9	87.6	90.0	92.6	93.5	94.0	95.0	95.4	95.5	95.7	95.7	95.7	95.9	95.9	96.0	96.2
GE 600	69.9	87.7	90.1	92.9	93.9	94.4	95.6	96.1	96.1	96.5	96.6	96.6	96.8	96.8	96.9	97.1
GE 500	69.9	87.7	90.1	93.0	94.2	94.7	96.0	96.5	96.6	97.0	97.1	97.1	97.3	97.3	97.4	97.6
GE 400	69.9	87.7	90.1	93.1	94.4	94.9	96.4	97.0	97.1	97.8	97.9	97.9	98.2	98.2	98.3	98.5
GE 300	69.9	87.7	90.1	93.1	94.4	95.0	96.5	97.3	97.4	98.1	98.3	98.3	98.6	98.6	98.7	98.9
GE 200	69.9	87.7	90.2	93.2	94.4	95.0	96.7	97.5	97.6	98.5	98.7	98.7	99.0	99.0	99.2	99.4
GE 100	69.9	87.7	90.2	93.2	94.5	95.1	96.7	97.6	97.7	98.6	98.8	98.8	99.1	99.1	99.4	99.6
GE 0	69.9	87.7	90.2	93.2	94.5	95.1	96.7	97.6	97.7	98.6	98.8	98.9	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	47.1	49.6	49.8	49.8	50.0	50.0	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.7	50.9
GE 20000	52.4	55.7	55.9	56.0	56.2	56.2	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.9	57.1
GE 18000	52.9	56.3	56.6	56.7	56.9	56.9	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.8
GE 16000	52.9	56.3	56.6	56.7	56.9	56.9	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.6	57.8
GE 14000	53.4	56.9	57.1	57.2	57.4	57.4	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.3
GE 12000	54.7	58.2	58.7	58.8	59.0	59.0	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.7	59.9
GE 10000	55.9	59.7	60.1	60.2	60.4	60.4	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.4
GE 9000	58.2	62.3	62.8	62.9	63.1	63.1	63.3	63.3	63.7	63.8	63.8	63.8	63.8	63.6	64.0	64.2
GE 8000	59.0	63.3	63.8	63.9	64.1	64.1	64.3	64.3	64.7	64.8	64.8	64.8	64.8	64.8	65.0	65.2
GE 7000	60.8	65.6	66.0	66.1	66.3	66.3	66.6	66.6	66.9	67.0	67.0	67.0	67.0	67.0	67.2	67.4
GE 6000	63.0	68.2	68.7	68.8	69.0	69.0	69.2	69.2	69.6	69.7	69.7	69.7	69.7	69.7	69.9	70.1
GE 5000	68.8	75.6	76.2	76.4	76.7	76.7	76.9	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.6	77.8
GE 4500	73.1	81.2	82.0	82.2	82.4	82.4	82.7	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.3	83.6
GE 4000	74.4	83.1	84.2	84.6	85.0	85.0	85.2	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.9	86.1
GE 3500	76.2	85.9	87.1	87.6	88.0	88.0	88.2	88.2	88.6	88.7	88.7	88.7	88.7	88.7	88.9	89.1
GE 3000	77.6	87.7	89.2	90.1	90.6	90.6	90.8	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.6	91.8
GE 2500	79.3	90.2	91.9	93.1	93.7	93.7	93.9	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.7	94.9
GE 2000	80.3	91.8	93.6	94.8	95.3	95.3	95.6	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.3	96.6
GE 1800	80.7	92.3	94.1	95.3	95.9	95.9	96.1	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.9	97.1
GE 1500	80.8	92.4	94.2	95.4	96.0	96.0	96.2	96.2	96.6	96.8	96.8	96.8	96.8	96.8	97.0	97.2
GE 1200	80.9	92.6	94.3	95.8	96.3	96.3	96.6	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.3	97.6
GE 1000	81.0	92.9	94.7	96.2	96.8	96.8	97.0	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.8	98.0
GE 900	81.1	93.2	95.0	96.8	97.4	97.4	97.7	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.4	98.7
GE 800	81.1	93.2	95.0	96.9	97.7	97.7	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.7	98.9
GE 700	81.1	93.2	95.0	96.9	97.7	97.7	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.7	98.9
GE 600	81.1	93.2	95.0	96.9	97.7	97.7	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.7	98.9
GE 500	81.1	93.3	95.1	97.1	98.1	98.1	98.3	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.3	99.6
GE 400	81.1	93.3	95.1	97.1	98.2	98.2	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.7
GE 300	81.1	93.3	95.1	97.1	98.2	98.2	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.7
GE 200	81.1	93.3	95.1	97.1	98.2	98.2	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.7
GE 100	81.1	93.3	95.1	97.1	98.2	98.2	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.8
GE 0	81.1	93.3	95.1	97.1	98.2	98.2	98.4	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	46.0	51.4	51.9	51.9	52.1	52.1	52.6	52.7	53.0	53.0	53.0	53.0	53.4	53.4	53.4	53.4
GE 20000	47.8	53.9	54.3	54.3	54.6	54.6	55.0	55.1	55.4	55.4	55.4	55.4	55.9	55.9	55.9	55.9
GE 18000	47.9	54.3	54.8	54.8	55.0	55.0	55.4	55.6	55.9	55.9	55.9	55.9	56.3	56.3	56.3	56.3
GE 16000	47.9	54.3	54.8	54.8	55.0	55.0	55.4	55.6	55.9	55.9	55.9	55.9	56.3	56.3	56.3	56.3
GE 14000	48.1	54.6	55.0	55.0	55.2	55.2	55.7	55.8	56.1	56.1	56.1	56.1	56.6	56.6	56.6	56.6
GE 12000	48.8	55.4	55.9	55.9	56.1	56.1	56.6	56.7	57.0	57.0	57.0	57.0	57.4	57.4	57.4	57.4
GE 10000	49.6	56.4	57.0	57.0	57.2	57.2	57.7	57.8	58.1	58.1	58.1	58.1	58.6	58.6	58.6	58.6
GE 9000	52.4	59.9	60.4	60.4	60.7	60.7	61.1	61.2	61.6	61.7	61.7	61.7	62.1	62.1	62.1	62.1
GE 8000	53.4	61.3	61.9	61.9	62.1	62.1	62.6	62.7	63.0	63.1	63.1	63.1	63.6	63.6	63.6	63.6
GE 7000	55.0	63.2	63.9	63.9	64.3	64.3	64.8	64.9	65.2	65.3	65.3	65.3	65.8	65.8	65.8	65.6
GE 6000	56.3	65.8	66.4	66.4	66.9	66.9	67.3	67.4	67.8	67.9	67.9	67.9	68.3	68.3	68.3	68.3
GE 5000	61.4	72.8	74.0	74.0	74.7	74.7	75.1	75.2	75.6	75.7	75.7	75.7	76.1	76.1	76.1	76.1
GE 4500	63.7	77.0	78.3	78.3	79.0	79.0	79.4	79.6	79.9	80.0	80.0	80.0	80.4	80.4	80.4	80.4
GE 4000	66.0	79.9	81.3	81.7	82.3	82.3	82.8	82.9	83.2	83.3	83.3	83.3	83.9	83.9	83.9	83.9
GE 3500	67.8	82.0	83.6	84.3	85.1	85.1	85.6	85.7	86.0	86.1	86.1	86.1	86.7	86.7	86.7	86.7
GE 3000	69.6	84.3	86.1	86.9	87.7	87.7	88.1	88.2	88.6	88.7	88.7	88.7	89.2	89.2	89.2	89.2
GE 2500	71.2	87.2	89.1	90.1	91.0	91.0	91.4	91.6	91.9	92.0	92.0	92.0	92.6	92.6	92.6	92.6
GE 2000	73.1	89.7	91.7	92.7	93.7	93.7	94.1	94.2	94.6	94.7	94.7	94.7	95.2	95.2	95.2	95.2
GE 1800	73.2	89.9	92.2	93.4	94.6	94.6	95.0	95.1	95.4	95.6	95.6	95.6	96.1	96.1	96.1	96.1
GE 1500	73.3	90.2	92.6	94.0	95.1	95.1	95.6	95.7	96.0	96.1	96.1	96.1	96.7	96.7	96.8	96.8
GE 1200	73.3	90.4	93.0	94.6	95.7	95.7	96.1	96.2	96.6	96.7	96.7	96.7	97.2	97.2	97.3	97.3
GE 1000	73.4	90.7	93.2	95.1	96.2	96.2	96.7	96.8	97.1	97.2	97.2	97.2	97.8	97.8	97.9	97.9
GE 900	73.4	90.7	93.2	95.1	96.3	96.3	96.8	96.9	97.2	97.3	97.3	97.3	97.9	97.9	98.0	98.0
GE 800	73.4	90.9	93.4	95.3	96.6	96.6	97.0	97.1	97.4	97.6	97.6	97.6	98.1	98.1	98.2	96.2
GE 700	73.4	90.9	93.4	95.4	96.7	96.7	97.1	97.2	97.6	97.7	97.7	97.7	98.2	98.2	98.3	98.3
GE 600	73.4	90.9	93.4	95.4	96.7	96.7	97.1	97.2	97.6	97.7	97.7	97.7	98.2	98.2	98.3	98.3
GE 500	73.4	91.2	93.8	95.8	97.0	97.0	97.4	97.6	97.9	98.0	98.0	98.0	98.6	98.6	98.7	98.7
GE 400	73.4	91.2	93.8	95.8	97.0	97.0	97.4	97.6	97.9	98.0	98.0	98.0	98.6	98.6	98.7	98.7
GE 300	73.4	91.2	93.8	95.8	97.0	97.0	97.4	97.6	97.9	98.0	98.0	98.0	98.6	98.6	98.7	98.7
GE 200	73.4	91.2	93.8	95.9	97.1	97.1	97.6	97.7	98.0	98.1	98.1	98.1	99.0	99.0	99.1	99.1
GE 100	73.4	91.2	93.8	96.0	97.2	97.2	97.7	97.8	98.1	98.2	98.2	98.2	99.1	99.1	99.3	99.3
GE 0	73.4	91.2	93.8	96.0	97.2	97.2	97.7	97.8	98.1	98.2	98.2	98.2	99.1	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.3	45.8	46.9	48.4	48.8	48.9	49.2	49.3	49.3	49.4	49.4	49.4	49.8	49.8	49.9	50.2
GE 20000	42.2	50.0	51.1	52.7	53.0	53.1	53.4	53.6	53.7	53.8	53.8	53.8	54.1	54.1	54.2	54.6
GE 18000	42.2	50.1	51.2	52.8	53.1	53.2	53.6	53.7	53.8	53.9	53.9	53.9	54.2	54.2	54.3	54.7
GE 16000	42.3	50.2	51.3	52.9	53.2	53.3	53.7	53.8	53.9	54.0	54.0	54.0	54.3	54.3	54.4	54.8
GE 14000	42.9	50.8	51.9	53.4	53.8	53.9	54.2	54.3	54.4	54.6	54.6	54.6	54.9	54.9	55.0	55.3
GE 12000	43.4	51.4	52.6	54.1	54.4	54.6	54.9	55.0	55.1	55.2	55.2	55.2	55.6	55.6	55.7	56.0
GE 10000	43.7	52.2	53.4	55.1	55.4	55.6	55.9	56.1	56.2	56.4	56.4	56.4	56.8	56.8	56.9	57.2
GE 9000	45.4	54.4	55.7	57.6	58.0	58.1	58.4	58.7	58.8	59.0	59.0	59.0	59.3	59.3	59.4	59.8
GE 8000	46.7	56.3	57.8	59.7	60.1	60.3	60.7	60.9	61.0	61.2	61.2	61.2	61.6	61.6	61.7	62.0
GE 7000	47.7	58.0	59.4	61.4	62.0	62.3	62.7	62.9	63.0	63.3	63.3	63.3	63.7	63.7	63.8	64.1
GE 6000	49.9	60.4	62.0	64.0	64.9	65.2	65.6	65.8	65.9	66.2	66.2	66.2	66.6	66.6	66.7	67.0
GE 5000	52.7	64.9	66.6	68.9	69.9	70.2	70.7	71.0	71.1	71.4	71.4	71.4	71.8	71.8	71.9	72.2
GE 4500	54.7	67.6	69.6	72.2	73.4	73.8	74.4	74.8	74.9	75.2	75.2	75.2	75.6	75.6	75.7	76.0
GE 4000	56.3	70.1	72.4	75.2	76.6	76.9	77.6	77.9	78.0	78.3	78.4	78.4	78.8	78.8	78.9	79.2
GE 3500	57.7	72.2	74.6	77.8	79.2	79.6	80.3	80.7	80.8	81.1	81.3	81.3	81.7	81.7	81.8	82.1
GE 3000	58.8	75.0	78.0	81.2	82.8	83.1	84.0	84.3	84.4	84.8	85.0	85.0	85.3	85.3	85.4	85.8
GE 2500	60.2	77.2	80.3	83.9	85.7	86.1	87.1	87.4	87.6	87.9	88.2	88.2	88.6	88.6	88.7	89.0
GE 2000	61.7	80.0	83.6	87.4	89.2	89.8	90.9	91.3	91.4	91.8	92.1	92.1	92.4	92.4	92.6	92.9
GE 1800	62.1	80.9	84.7	88.7	90.4	91.1	92.4	92.9	93.0	93.3	93.7	93.7	94.0	94.0	94.1	94.4
GE 1500	62.7	81.6	85.3	89.4	91.3	92.0	93.3	93.8	93.9	94.3	94.7	94.7	95.0	95.0	95.1	95.4
GE 1200	62.9	82.4	86.2	90.7	92.6	93.3	95.0	95.4	95.6	96.1	96.4	96.4	96.8	96.8	96.9	97.2
GE 1000	63.0	82.7	86.4	90.9	92.8	93.6	95.2	95.7	95.8	96.3	96.7	96.7	97.0	97.0	97.1	97.4
GE 900	63.0	82.8	86.7	91.2	93.1	93.9	95.6	96.0	96.1	96.7	97.0	97.0	97.3	97.3	97.4	97.8
GE 800	63.0	82.8	86.7	91.2	93.1	94.0	95.7	96.1	96.2	96.8	97.1	97.1	97.6	97.6	97.7	98.0
GE 700	63.0	82.8	86.7	91.2	93.1	94.0	95.7	96.2	96.3	96.9	97.2	97.2	97.7	97.7	97.8	98.1
GE 600	63.0	82.8	86.7	91.2	93.1	94.0	95.7	96.2	96.3	96.9	97.2	97.2	97.7	97.7	97.8	98.1
GE 500	63.0	82.8	86.7	91.4	93.3	94.2	95.9	96.4	96.6	97.1	97.4	97.4	97.9	97.9	98.0	98.3
GE 400	63.0	82.9	86.8	91.6	93.6	94.4	96.1	96.7	96.8	97.3	97.7	97.7	98.1	98.1	98.2	98.6
GE 300	63.0	82.9	86.8	91.6	93.6	94.4	96.1	96.7	96.8	97.4	97.8	97.8	98.2	98.2	98.3	98.7
GE 200	63.0	82.9	86.8	91.6	93.6	94.4	96.2	97.0	97.1	97.8	98.1	98.1	98.9	98.9	99.0	99.4
GE 100	63.0	82.9	86.8	91.6	93.6	94.4	96.2	97.0	97.1	97.8	98.1	98.1	98.9	98.9	99.1	99.7
GE 0	63.0	82.9	86.8	91.6	93.6	94.4	96.2	97.0	97.1	97.8	98.1	98.1	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.6	48.3	48.9	49.9	50.0	50.0	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3
GE 20000	51.3	56.6	57.1	58.2	58.3	58.4	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
GE 18000	51.3	56.6	57.1	58.2	58.3	58.4	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
GE 16000	51.3	56.6	57.1	58.2	58.3	58.4	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
GE 14000	51.4	56.7	57.2	58.3	58.4	58.6	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	52.8	58.1	58.8	59.9	60.1	60.2	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
GE 10000	53.4	59.4	60.1	61.2	61.6	61.7	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1
GE 9000	54.4	60.8	61.4	62.7	63.1	63.2	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7
GE 8000	54.9	61.4	62.2	63.4	63.9	64.0	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
GE 7000	55.9	63.1	63.9	65.2	65.7	65.8	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
GE 6000	57.4	64.9	65.8	67.7	68.1	68.2	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7
GE 5000	59.8	68.8	69.8	72.0	72.7	72.8	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
GE 4500	60.9	70.4	71.6	74.0	74.9	75.0	75.4	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7
GE 4000	62.4	72.7	73.9	76.4	77.7	77.8	78.6	78.6	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	63.7	74.3	75.8	78.7	80.2	80.3	81.2	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4
GE 3000	64.9	76.4	77.9	81.3	83.4	83.6	84.6	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	67.1	79.2	80.8	84.4	86.7	86.8	87.9	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	68.7	81.9	83.7	87.4	90.2	90.4	91.6	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 1800	69.4	83.6	85.4	89.2	92.2	92.6	93.7	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	70.0	84.6	86.6	90.6	93.8	94.1	95.3	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	70.3	85.3	87.6	91.7	94.9	95.3	96.7	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	70.3	85.4	87.7	91.8	95.0	95.4	96.8	97.2	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	70.3	85.8	88.0	92.1	95.3	95.8	97.2	97.7	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2
GE 800	70.3	85.8	88.0	92.1	95.3	95.8	97.2	97.7	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2
GE 700	70.3	85.9	88.1	92.3	95.6	96.0	97.4	97.9	97.9	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 600	70.3	85.9	88.1	92.4	95.8	96.2	97.7	98.1	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7
GE 500	70.3	85.9	88.1	92.6	96.0	96.4	97.9	98.3	98.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9
GE 400	70.3	85.9	88.2	92.8	96.4	97.0	98.7	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	70.3	85.9	88.2	92.8	96.4	97.0	98.7	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 200	70.3	85.9	88.2	92.8	96.4	97.0	98.7	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 100	70.3	85.9	88.2	92.8	96.4	97.0	98.7	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7
GE 0	70.3	85.9	88.2	92.8	96.4	97.0	98.7	99.1	99.1	99.4	99.6	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	45.8	47.8	47.8	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
GE 20000	53.8	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 18000	53.9	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 16000	53.9	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 14000	54.2	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 12000	55.7	59.2	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 10000	57.6	61.3	61.4	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
GE 9000	58.0	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 8000	58.2	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	59.0	63.3	63.6	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 6000	60.0	64.7	64.9	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 5000	63.8	69.4	69.7	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 4500	67.7	74.6	74.9	75.3	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 4000	70.3	77.7	78.2	78.8	79.0	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3500	72.3	80.9	81.4	82.0	82.2	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3000	75.7	85.8	86.3	87.1	87.4	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	77.9	88.7	89.3	90.3	90.8	91.1	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2000	79.4	91.3	92.0	93.1	93.8	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1800	79.9	92.1	92.8	93.9	94.6	94.9	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	80.3	93.0	93.7	94.9	95.6	95.9	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	80.7	94.0	94.6	96.2	96.9	97.2	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	80.8	94.2	95.0	96.6	97.2	97.6	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	80.9	94.4	95.2	96.8	97.6	97.9	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	80.9	94.4	95.2	96.8	97.6	97.9	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	80.9	94.6	95.3	96.9	97.7	98.0	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	80.9	94.6	95.3	96.9	97.7	98.0	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	81.0	94.7	95.4	97.0	97.8	98.1	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	81.0	94.7	95.6	97.2	98.0	98.3	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	81.0	94.7	95.6	97.2	98.0	98.3	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	81.0	94.7	95.6	97.2	98.0	98.3	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	81.0	94.7	95.6	97.2	98.0	98.3	99.2	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	81.0	94.7	95.6	97.2	98.0	98.3	99.2	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.4	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	50.6	50.6
GE 20000	57.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 18000	57.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 16000	57.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 14000	58.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 12000	59.9	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 10000	60.8	62.9	62.9	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 9000	62.2	64.4	64.4	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 8000	63.1	65.6	65.6	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 7000	64.3	67.0	67.0	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 6000	66.1	69.0	69.0	69.0	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 5000	71.7	75.2	75.2	75.2	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4500	75.3	79.3	79.3	79.4	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4000	78.1	83.2	83.2	83.4	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3500	80.4	85.8	85.8	86.0	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3000	83.0	90.0	90.1	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	84.2	92.6	92.9	93.2	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	85.9	94.9	95.4	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	86.2	95.8	96.3	96.8	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	86.4	96.1	96.7	97.2	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	86.4	96.3	97.0	97.6	97.7	98.1	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	86.4	96.4	97.1	97.7	97.8	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 900	86.4	96.4	97.1	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
GE 800	86.4	96.4	97.1	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
GE 700	86.4	96.4	97.1	97.7	97.8	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6
GE 600	86.4	96.4	97.1	97.9	98.0	98.4	98.4	98.6	98.7	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 500	86.4	96.4	97.1	97.9	98.0	98.4	98.4	98.6	98.7	98.7	98.8	98.8	99.0	99.0	99.0	99.0
GE 400	86.4	96.4	97.1	97.9	98.0	98.4	98.4	98.9	99.2	99.2	99.3	99.3	99.6	99.6	99.6	99.6
GE 300	86.4	96.4	97.1	97.9	98.0	98.4	98.4	98.9	99.2	99.2	99.3	99.3	99.6	99.6	99.6	99.6
GE 200	86.4	96.4	97.1	97.9	98.0	98.4	98.4	99.2	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9
GE 100	86.4	96.4	97.1	97.9	98.0	98.4	98.4	99.3	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 0	86.4	96.4	97.1	97.9	98.0	98.4	98.4	99.3	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	48.1	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	48.8	48.8
GE 20000	58.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	58.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 16000	58.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 14000	58.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 12000	61.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 10000	62.3	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 9000	63.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 8000	64.7	67.9	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	68.0
GE 7000	66.0	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 6000	68.7	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 5000	73.0	77.3	77.3	77.6	77.7	77.7	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4500	77.1	82.9	83.0	83.4	83.6	83.6	83.6	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4000	80.0	86.3	86.7	87.3	87.4	87.4	87.4	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3500	81.6	89.0	89.3	90.0	90.3	90.3	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 3000	83.3	91.8	92.3	93.1	93.6	93.6	93.6	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	84.3	93.3	94.1	95.3	95.8	95.8	95.8	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	85.2	94.6	95.6	96.8	97.2	97.2	97.2	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	85.3	94.8	95.8	97.0	97.4	97.4	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	85.3	95.2	96.2	97.4	97.9	98.0	98.0	98.2	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	85.4	95.3	96.3	97.8	98.2	98.3	98.3	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	85.6	95.4	96.4	97.9	98.3	98.4	98.4	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	85.6	95.4	96.4	97.9	98.3	98.4	98.4	98.7	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	85.6	95.4	96.4	97.9	98.3	98.7	98.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	85.6	95.4	96.4	97.9	98.3	98.7	98.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	85.6	95.4	96.4	98.2	98.7	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	85.6	95.4	96.4	98.3	98.8	99.1	99.1	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	85.6	95.4	96.4	98.3	98.8	99.1	99.1	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	85.6	95.4	96.4	98.3	98.8	99.1	99.1	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	85.6	95.4	96.4	98.3	98.8	99.2	99.2	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	85.6	95.4	96.4	98.3	98.8	99.2	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.6	95.4	96.4	98.3	98.8	99.2	99.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	50.9	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.1
GE 20000	57.3	59.2	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.9
GE 18000	57.4	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0
GE 16000	57.4	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0
GE 14000	57.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.3
GE 12000	59.3	61.4	61.6	62.0	62.1	62.1	62.1	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.4
GE 10000	60.2	62.6	62.7	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.6
GE 9000	63.2	65.8	65.9	66.3	66.4	66.4	66.4	66.4	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.8
GE 8000	63.8	66.4	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.3	67.4
GE 7000	66.8	69.8	69.9	70.3	70.4	70.4	70.4	70.4	70.4	70.6	70.7	70.7	70.7	70.7	70.7	70.8
GE 6000	69.0	72.2	72.3	72.8	72.9	72.9	72.9	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.2
GE 5000	74.4	79.4	79.7	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.7
GE 4500	77.8	83.6	84.0	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	85.0
GE 4000	79.4	85.9	86.6	87.3	87.4	87.4	87.4	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.8
GE 3500	81.4	88.2	89.0	90.0	90.1	90.1	90.1	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.4
GE 3000	83.1	91.4	92.3	93.6	93.8	93.8	93.8	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.1
GE 2500	83.6	92.4	93.7	94.9	95.2	95.2	95.2	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.6
GE 2000	84.0	93.9	95.3	96.9	97.2	97.2	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.6
GE 1800	84.0	94.1	95.6	97.1	97.4	97.4	97.4	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.8
GE 1500	84.0	94.4	95.9	97.4	97.8	97.8	97.8	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 1200	84.0	94.4	95.9	97.6	97.9	97.9	97.9	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.2
GE 1000	84.0	94.6	96.0	97.7	98.0	98.0	98.0	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.3
GE 900	84.0	94.6	96.1	98.1	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.8
GE 800	84.0	94.7	96.2	98.2	98.6	98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.9
GE 700	84.0	94.7	96.2	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	99.0
GE 600	84.0	94.9	96.4	98.8	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4
GE 500	84.0	94.9	96.4	98.8	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4
GE 400	84.0	94.9	96.4	98.8	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.4
GE 300	84.0	94.9	96.4	98.8	99.1	99.1	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.6
GE 200	84.0	94.9	96.4	98.8	99.1	99.1	99.3	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 100	84.0	94.9	96.4	98.8	99.1	99.1	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 0	84.0	94.9	96.4	98.8	99.1	99.1	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	46.3	49.3	49.6	50.0	50.1	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.6	50.7
GE 20000	52.7	56.5	56.8	57.2	57.3	57.4	57.5	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.9
GE 18000	52.8	56.7	57.0	57.4	57.5	57.5	57.7	57.7	57.8	57.8	57.9	57.9	58.0	58.0	58.0	58.1
GE 16000	52.8	56.7	57.0	57.4	57.5	57.6	57.7	57.8	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.1
GE 14000	53.2	57.1	57.4	57.8	57.9	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5
GE 12000	54.5	58.6	59.0	59.4	59.6	59.6	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.1	60.2
GE 10000	55.4	59.9	60.3	60.8	61.0	61.0	61.2	61.2	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.6
GE 9000	57.2	62.1	62.4	62.9	63.1	63.2	63.4	63.4	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.8
GE 8000	58.0	63.1	63.6	64.1	64.3	64.3	64.5	64.5	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
GE 7000	59.4	64.9	65.4	65.9	66.2	66.3	66.4	66.5	66.6	66.7	66.7	66.7	66.8	66.8	66.9	66.9
GE 6000	61.3	67.2	67.7	68.3	68.6	68.7	68.8	68.9	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.3
GE 5000	65.7	72.9	73.6	74.3	74.7	74.8	75.0	75.1	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.5
GE 4500	68.8	77.1	77.8	78.7	79.1	79.3	79.5	79.6	79.7	79.8	79.8	79.8	79.9	79.9	80.0	80.0
GE 4000	70.9	79.9	80.8	81.8	82.4	82.5	82.8	82.9	83.0	83.1	83.1	83.1	83.3	83.3	83.3	83.4
GE 3500	72.6	82.3	83.3	84.5	85.2	85.3	85.6	85.7	85.8	85.9	86.0	86.0	86.1	86.1	86.1	86.2
GE 3000	74.5	85.3	86.5	88.0	88.7	88.8	89.2	89.3	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.8
GE 2500	76.0	87.6	89.0	90.7	91.5	91.7	92.1	92.2	92.3	92.4	92.5	92.5	92.6	92.6	92.6	92.7
GE 2000	77.3	89.8	91.3	93.1	94.1	94.3	94.7	94.8	94.9	95.1	95.1	95.1	95.2	95.2	95.3	95.4
GE 1800	77.6	90.4	92.1	93.9	94.9	95.1	95.6	95.8	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.3
GE 1500	77.9	90.9	92.6	94.6	95.6	95.8	96.3	96.5	96.6	96.7	96.8	96.8	96.9	96.9	97.0	97.1
GE 1200	78.0	91.4	93.1	95.2	96.3	96.5	97.1	97.3	97.3	97.5	97.6	97.6	97.8	97.8	97.8	97.9
GE 1000	78.1	91.5	93.3	95.5	96.5	96.8	97.3	97.5	97.6	97.8	97.9	97.9	98.0	98.0	98.1	98.2
GE 900	78.1	91.7	93.5	95.7	96.8	97.1	97.6	97.8	97.9	98.1	98.2	98.2	98.4	98.4	98.4	98.5
GE 800	78.1	91.7	93.5	95.8	96.9	97.2	97.7	97.9	98.0	98.2	98.3	98.3	98.5	98.5	98.5	98.6
GE 700	78.1	91.7	93.5	95.8	96.9	97.2	97.8	98.0	98.1	98.3	98.4	98.4	98.6	98.6	98.6	98.7
GE 600	78.1	91.8	93.6	96.0	97.1	97.4	98.0	98.2	98.3	98.5	98.6	98.6	98.8	98.8	98.8	98.9
GE 500	78.1	91.8	93.6	96.1	97.3	97.6	98.2	98.4	98.5	98.7	98.8	98.8	99.0	99.0	99.1	99.1
GE 400	78.1	91.8	93.7	96.2	97.4	97.7	98.3	98.6	98.8	99.0	99.1	99.1	99.2	99.2	99.3	99.4
GE 300	78.1	91.8	93.7	96.2	97.4	97.7	98.3	98.6	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.4
GE 200	78.1	91.8	93.7	96.2	97.4	97.7	98.4	98.8	98.9	99.1	99.2	99.2	99.5	99.5	99.5	99.6
GE 100	78.1	91.8	93.7	96.2	97.4	97.8	98.4	98.8	99.0	99.2	99.3	99.3	99.6	99.6	99.7	99.8
GE 0	78.1	91.8	93.7	96.2	97.4	97.8	98.4	98.8	99.0	99.2	99.3	99.3	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7260

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0000-0300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.1	44.9	47.7	50.6	51.4	51.5	52.2	52.2	52.2	52.8	52.8	52.8	53.0	53.0	53.4	53.5
GE 20000	36.5	49.8	52.6	55.9	56.7	56.8	57.5	57.5	57.5	58.2	58.2	58.2	58.4	58.4	58.8	58.9
GE 18000	36.5	49.8	52.6	55.9	56.7	56.8	57.5	57.5	57.5	58.2	58.2	58.2	58.4	58.4	58.8	58.9
GE 16000	36.5	49.8	52.6	55.9	56.7	56.8	57.5	57.5	57.5	58.2	58.2	58.2	58.4	58.4	58.8	58.9
GE 14000	36.7	50.1	52.9	56.2	57.2	57.3	58.1	58.1	58.1	58.7	58.7	58.7	58.9	58.9	59.4	59.5
GE 12000	37.1	50.6	53.4	56.9	57.8	58.0	58.7	58.7	58.7	59.4	59.4	59.4	59.6	59.6	60.0	60.1
GE 10000	38.1	51.7	54.6	58.2	59.1	59.2	60.0	60.0	60.0	60.6	60.6	60.6	60.9	60.9	61.3	61.4
GE 9000	39.4	53.4	56.3	60.2	61.2	61.3	62.0	62.0	62.0	62.7	62.7	62.7	62.9	62.9	63.3	63.4
GE 8000	39.9	54.3	57.2	61.3	62.6	62.7	63.4	63.5	63.5	64.2	64.2	64.2	64.4	64.4	64.8	64.9
GE 7000	41.7	57.8	60.9	65.3	66.8	66.9	67.8	68.0	68.0	68.6	68.6	68.6	68.8	68.8	69.2	69.4
GE 6000	43.7	60.1	63.2	68.2	69.9	70.0	71.1	71.2	71.2	71.8	71.8	71.8	72.0	72.0	72.5	72.6
GE 5000	46.9	66.6	70.0	75.7	77.4	77.5	78.9	79.0	79.0	79.7	79.7	79.7	79.9	79.9	80.3	80.4
GE 4500	49.6	70.6	74.2	80.1	81.9	82.0	83.4	83.5	83.5	84.2	84.2	84.2	84.4	84.4	84.8	84.9
GE 4000	50.9	72.7	76.3	82.3	84.4	84.5	85.9	86.0	86.0	86.7	86.7	86.7	86.9	86.9	87.3	87.4
GE 3500	51.6	74.3	78.3	84.2	86.3	86.5	87.8	88.0	88.0	88.6	88.6	88.6	88.8	88.8	69.2	89.4
GE 3000	52.6	76.7	80.8	86.8	88.9	89.0	90.5	90.6	90.8	91.4	91.4	91.4	91.6	91.6	92.0	92.2
GE 2500	52.9	77.2	81.6	87.6	89.8	89.9	91.4	91.5	91.6	92.4	92.4	92.4	92.6	92.7	93.1	93.2
GE 2000	53.[illegible]	79.0	83.7	89.9	92.0	92.2	93.7	93.8	93.9	94.6	94.6	94.6	94.8	95.1	95.5	95.6
GE 1800	54.3	80.1	84.7	91.0	93.2	93.3	94.8	94.9	95.1	95.8	95.8	95.8	96.0	96.2	96.7	96.8
GE 1500	54.4	80.4	85.1	91.3	93.5	93.7	95.3	95.4	95.5	96.2	96.2	96.2	96.5	96.7	97.1	97.2
GE 1200	54.5	80.8	85.6	91.8	94.1	94.2	96.0	96.1	96.2	97.0	97.0	97.0	97.2	97.4	97.8	98.0
GE 1000	54.5	80.8	85.6	91.8	94.1	94.2	96.0	96.1	96.2	97.0	97.0	97.0	97.2	97.4	97.8	98.0
GE 900	54.5	80.8	85.6	91.8	94.2	94.3	96.1	96.2	96.3	97.1	97.1	97.1	97.3	97.5	98.0	98.1
GE 800	54.5	80.9	85.7	91.9	94.3	94.4	96.2	96.3	96.5	97.2	97.2	97.2	97.4	97.6	98.1	98.2
GE 700	54.5	81.1	85.9	92.2	94.5	94.6	96.5	96.6	96.7	97.4	97.4	97.4	97.6	97.8	98.3	98.4
GE 600	54.5	81.2	86.0	92.3	94.6	94.7	96.6	96.7	96.8	97.5	97.5	97.5	97.7	98.0	98.4	98.5
GE 500	54.6	81.5	86.3	92.7	95.1	95.2	97.0	97.1	97.2	98.0	98.0	98.0	98.2	98.4	98.8	98.9
GE 400	54.6	81.5	86.3	92.8	95.2	95.3	97.2	97.3	97.4	98.2	98.2	98.2	98.4	98.6	99.0	99.1
GE 300	54.6	81.5	86.3	92.8	95.2	95.3	97.3	97.4	97.5	98.3	98.3	98.3	98.5	98.7	99.1	99.2
GE 200	54.6	81.5	86.5	92.9	95.3	95.4	97.4	97.5	97.6	98.4	98.4	98.4	98.6	98.8	99.2	99.4
GE 100	54.6	81.5	86.5	92.9	95.3	95.4	97.5	97.6	97.7	98.5	98.6	98.6	98.9	99.2	99.8	99.9
GE 0	54.6	81.5	86.5	92.9	95.3	95.4	97.5	97.6	97.7	98.5	98.6	98.6	98.9	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	25.8	37.7	39.8	42.9	45.2	45.4	46.0	46.1	46.3	46.8	46.8	46.8	47.2	47.2	48.0	48.7
GE 20000	28.6	41.1	43.2	46.5	49.0	49.2	50.0	50.1	50.3	51.0	51.0	51.0	51.5	51.5	52.6	53.3
GE 18000	28.6	41.1	43.2	46.5	49.0	49.2	50.0	50.1	50.3	51.0	51.0	51.0	51.5	51.5	52.6	53.3
GE 16000	28.6	41.1	43.2	46.5	49.0	49.2	50.0	50.1	50.3	51.0	51.0	51.0	51.5	51.5	52.6	53.3
GE 14000	28.6	41.1	43.2	46.8	49.4	49.6	50.3	50.4	50.6	51.3	51.3	51.3	51.8	51.8	52.9	53.7
GE 12000	29.0	41.8	44.0	47.5	50.1	50.3	51.2	51.3	51.5	52.2	52.2	52.2	52.7	52.7	53.8	54.5
GE 10000	29.5	42.7	44.8	48.7	51.3	51.5	52.4	52.5	52.7	53.3	53.3	53.3	53.9	53.9	54.9	55.8
GE 9000	31.2	45.1	47.2	51.2	53.8	54.1	54.9	55.1	55.3	55.9	55.9	55.9	56.5	56.5	57.5	58.4
GE 8000	31.7	46.0	48.2	52.8	55.7	56.0	56.9	57.0	57.2	57.8	57.8	57.8	58.4	58.4	59.5	60.3
GE 7000	33.8	49.5	51.6	56.9	59.8	60.1	61.0	61.1	61.3	62.0	62.0	62.0	62.6	62.6	63.7	64.5
GE 6000	34.8	51.3	53.4	58.8	62.2	62.5	63.3	63.4	63.7	64.5	64.5	64.5	65.2	65.2	66.2	67.1
GE 5000	37.5	56.6	59.2	65.5	68.8	69.2	70.3	70.4	70.8	71.7	71.8	71.8	72.7	72.7	73.8	74.6
GE 4500	39.0	60.4	63.1	69.9	73.5	74.0	75.3	75.4	75.7	76.8	76.9	76.9	77.7	77.7	78.8	79.7
GE 4000	39.2	61.3	64.0	71.1	74.9	75.5	77.0	77.1	77.4	78.5	78.6	78.6	79.5	79.5	80.5	81.4
GE 3500	40.2	63.3	66.0	73.5	77.4	78.0	79.5	79.6	79.9	81.0	81.1	81.1	81.9	81.9	83.0	83.9
GE 3000	41.2	65.3	68.4	76.7	80.8	81.3	83.0	83.1	83.4	84.5	84.6	84.6	85.5	85.5	86.6	87.4
GE 2500	41.9	66.3	69.5	78.1	82.3	82.8	84.6	84.7	85.1	86.2	86.3	86.3	87.2	87.2	88.3	89.1
GE 2000	42.8	67.7	71.1	79.9	84.3	84.9	86.9	87.0	87.3	88.5	88.6	88.6	89.5	89.5	90.5	91.4
GE 1800	43.1	68.3	71.8	80.9	85.3	85.9	87.8	88.0	88.3	89.5	89.6	89.6	90.4	90.4	91.5	92.4
GE 1500	43.2	68.6	72.2	81.4	85.8	86.5	88.5	88.6	88.9	90.1	90.2	90.2	91.1	91.1	92.2	93.0
GE 1200	43.7	69.4	73.0	82.4	86.8	87.4	89.6	89.9	90.2	91.4	91.5	91.5	92.4	92.4	93.4	94.3
GE 1000	44.0	70.0	73.7	83.1	87.6	88.3	90.4	90.8	91.1	92.3	92.4	92.4	93.2	93.2	94.3	95.2
GE 900	44.0	70.0	73.7	83.1	87.6	88.3	90.4	90.8	91.1	92.3	92.4	92.4	93.2	93.2	94.3	95.2
GE 800	44.0	70.1	73.8	83.2	87.8	88.5	90.6	91.0	91.3	92.5	92.6	92.6	93.4	93.4	94.5	95.4
GE 700	44.0	70.4	74.1	83.7	88.3	88.9	91.2	91.5	91.8	93.0	93.1	93.1	94.0	94.0	95.1	95.9
GE 600	44.0	70.5	74.2	83.8	88.4	89.0	91.3	91.6	91.9	93.1	93.2	93.2	94.1	94.1	95.2	96.0
GE 500	44.0	70.5	74.2	83.9	88.5	89.1	91.4	91.7	92.0	93.2	93.3	93.3	94.2	94.2	95.3	96.1
GE 400	44.0	70.6	74.3	84.0	88.6	89.2	91.5	91.8	92.2	93.4	93.5	93.5	94.4	94.4	95.5	96.3
GE 300	44.0	70.6	74.3	84.1	88.9	89.6	91.8	92.2	92.5	93.8	93.9	93.9	94.7	94.7	95.8	96.7
GE 200	44.0	70.6	74.4	84.3	89.1	89.8	92.0	92.4	92.7	94.1	94.2	94.2	95.1	95.1	96.5	97.4
GE 100	44.1	70.8	74.6	84.6	89.7	90.3	92.6	92.9	93.2	94.6	94.7	94.7	95.7	95.7	97.5	98.8
GE 0	44.1	70.8	74.6	84.6	89.7	90.3	92.6	92.9	93.2	94.6	94.7	94.7	95.8	95.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.7	28.8	30.4	33.4	36.2	37.3	39.5	40.0	40.1	40.9	41.1	41.1	41.6	41.6	42.0	42.6
GE 20000	23.8	32.5	34.6	37.6	41.0	42.3	44.8	45.4	45.6	46.3	46.7	46.7	47.2	47.2	47.7	48.3
GE 18000	23.8	32.5	34.6	37.6	41.0	42.3	44.8	45.4	45.6	46.3	46.7	46.7	47.2	47.2	47.7	48.3
GE 16000	23.8	32.5	34.6	37.6	41.0	42.3	44.8	45.4	45.6	46.3	46.7	46.7	47.2	47.2	47.7	48.3
GE 14000	23.9	32.8	34.9	38.0	41.3	42.6	45.2	45.9	46.1	46.9	47.2	47.2	47.7	47.7	48.3	48.8
GE 12000	24.4	33.7	35.8	38.9	42.3	43.5	46.2	47.0	47.2	48.0	48.3	48.3	48.8	48.8	49.4	49.9
GE 10000	24.7	34.4	36.6	39.9	43.2	44.5	47.4	48.2	48.4	49.2	49.6	49.6	50.1	50.1	50.6	51.2
GE 9000	25.8	35.8	38.2	41.9	45.3	46.6	49.5	50.3	50.5	51.4	51.7	51.7	52.3	52.3	52.8	53.3
GE 8000	26.5	36.7	39.4	43.9	47.4	48.8	52.0	52.9	53.1	54.0	54.3	54.3	54.8	54.8	55.4	55.9
GE 7000	28.3	39.2	42.0	47.3	51.4	53.0	56.3	57.2	57.6	58.5	58.8	58.8	59.4	59.4	59.9	60.4
GE 6000	29.4	41.2	44.1	49.8	54.3	56.0	59.7	60.5	61.1	61.9	62.3	62.3	62.9	62.9	63.4	64.0
GE 5000	30.9	45.1	48.2	54.6	59.5	61.3	64.9	66.0	66.7	67.5	68.0	68.0	68.6	68.6	69.1	69.7
GE 4500	31.8	47.1	50.5	57.3	62.5	64.4	68.4	69.5	70.2	71.4	71.8	71.8	72.5	72.5	73.0	73.5
GE 4000	32.2	48.5	52.3	59.7	65.2	67.1	71.3	72.7	73.4	74.6	75.1	75.1	75.8	75.8	76.3	76.9
GE 3500	33.5	50.3	54.2	61.8	67.5	69.8	74.3	75.7	76.5	77.6	78.1	78.1	78.8	78.8	79.4	79.9
GE 3000	34.1	51.2	55.2	63.4	69.6	72.2	76.9	78.4	79.1	80.4	80.9	80.9	81.6	81.6	82.2	82.7
GE 2500	34.6	52.5	56.5	65.1	71.2	74.1	79.2	80.8	81.5	83.0	83.4	83.4	84.2	84.2	84.7	85.3
GE 2000	35.5	54.1	58.2	67.0	73.7	76.6	81.8	83.4	84.2	85.7	86.2	86.2	87.0	87.0	87.5	88.1
GE 1800	35.6	54.7	59.0	67.8	74.5	77.4	82.8	84.4	85.2	86.8	87.3	87.3	88.1	88.1	88.6	89.1
GE 1500	36.0	55.5	59.8	68.7	75.4	78.4	83.9	85.5	86.2	87.8	88.4	88.4	89.1	89.1	89.7	90.2
GE 1200	36.6	56.2	60.5	69.6	76.2	79.2	84.8	86.5	87.4	89.1	89.7	89.7	90.4	90.4	91.0	91.5
GE 1000	36.6	56.2	60.5	69.9	76.6	79.8	85.4	87.0	88.1	89.8	90.3	90.3	91.1	91.1	91.6	92.2
GE 900	36.6	56.6	60.9	70.3	77.1	80.3	85.9	87.5	88.6	90.3	90.9	90.9	91.6	91.6	92.2	92.7
GE 800	36.6	56.7	61.0	70.4	77.2	80.4	86.0	87.6	88.7	90.4	91.0	91.0	91.7	91.7	92.3	92.8
GE 700	36.6	56.7	61.0	70.8	77.5	81.1	86.9	88.5	89.6	91.3	91.8	91.8	92.6	92.6	93.1	93.7
GE 600	36.8	57.0	61.4	71.2	78.1	81.6	87.6	89.2	90.3	92.0	92.6	92.6	93.3	93.3	93.9	94.4
GE 500	36.8	57.0	61.4	71.2	78.1	81.6	87.6	89.2	90.3	92.0	92.7	92.7	93.4	93.4	94.0	94.5
GE 400	36.8	57.1	61.5	71.3	78.3	82.2	88.3	90.0	91.1	92.9	93.5	93.5	94.3	94.3	94.8	95.5
GE 300	36.8	57.1	61.5	71.3	78.3	82.2	88.6	90.3	91.4	93.3	94.2	94.2	94.9	94.9	95.5	96.1
GE 200	36.8	57.1	61.5	71.3	78.3	82.3	88.9	90.9	92.0	94.1	94.9	94.9	95.8	95.8	96.5	97.5
GE 100	36.8	57.1	61.5	71.3	78.4	82.4	89.0	91.0	92.2	94.3	95.2	95.2	96.2	96.2	97.6	99.5
GE 0	36.8	57.1	61.5	71.3	78.4	82.4	89.0	91.0	92.2	94.3	95.2	95.2	96.2	96.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.2	40.6	44.0	47.0	48.4	49.0	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 20000	33.3	45.2	49.0	52.8	54.8	55.6	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 18000	33.3	45.2	49.0	52.8	54.8	55.6	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 16000	33.3	45.2	49.0	52.8	54.8	55.6	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 14000	33.3	45.4	49.2	53.0	55.2	55.9	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 12000	34.2	46.7	50.5	54.3	56.5	57.3	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 10000	34.9	47.6	51.7	55.6	57.7	58.6	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 9000	35.6	48.6	52.9	56.9	59.0	59.9	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 8000	36.1	49.9	54.3	58.6	61.0	62.0	62.6	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 7000	37.6	52.5	57.1	61.5	64.1	65.2	65.7	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 6000	38.8	54.1	58.9	63.7	66.2	67.6	68.2	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 5000	39.6	56.0	61.3	66.6	69.6	71.1	71.6	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4500	41.2	58.7	64.5	69.9	72.9	74.4	74.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4000	42.3	61.1	67.1	72.7	76.1	77.6	78.2	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	43.2	62.4	68.6	74.5	78.2	79.9	80.6	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	44.7	64.6	71.1	77.1	81.3	83.2	84.1	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2500	45.7	65.8	72.6	78.7	83.3	85.5	86.3	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2000	47.3	68.6	75.6	82.2	87.0	89.1	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	48.0	69.7	76.8	83.4	88.5	90.6	91.5	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1500	48.4	71.0	78.1	84.7	89.8	91.9	92.9	93.3	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7
GE 1200	49.1	72.4	79.6	86.2	91.4	93.5	94.5	95.1	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5
GE 1000	49.6	72.9	80.1	87.0	92.2	94.5	95.5	96.0	96.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	49.6	73.0	80.2	87.1	92.5	94.8	96.0	96.6	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	49.6	73.1	80.3	87.2	92.6	94.9	96.1	96.7	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE 700	49.6	73.1	80.3	87.3	92.7	95.3	96.5	97.0	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5
GE 600	49.6	73.3	80.6	87.8	93.2	95.8	97.2	97.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	49.6	73.3	80.8	88.1	93.4	96.2	97.6	98.3	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	49.6	73.3	80.8	88.1	93.7	96.6	98.0	98.6	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	49.6	73.3	80.8	88.1	93.7	96.7	98.1	98.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	49.6	73.3	80.8	88.2	93.8	96.8	98.3	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	49.6	73.3	80.8	88.2	93.8	96.8	98.3	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	49.6	73.3	80.8	88.2	93.8	96.8	98.3	98.9	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.3	47.2	48.6	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 20000	40.6	51.4	53.7	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 18000	40.6	51.4	53.7	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 16000	40.6	51.4	53.7	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 14000	40.8	51.5	53.8	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
GE 12000	41.6	52.9	55.2	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 10000	43.1	55.1	57.4	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 9000	43.7	55.8	58.2	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.6	61.8	61.8
GE 8000	44.6	58.0	60.6	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 7000	46.1	61.0	63.7	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 6000	47.3	62.6	65.5	69.6	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 5000	48.6	65.3	68.4	72.7	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4500	50.8	68.5	72.0	76.9	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4000	52.7	71.0	74.6	79.6	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3500	53.9	73.1	76.9	82.5	83.2	83.3	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5
GE 3000	56.5	76.5	80.2	86.3	87.2	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
GE 2500	59.0	79.9	83.7	90.1	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3
GE 2000	60.8	83.1	87.0	93.7	94.6	94.7	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	61.3	83.7	87.5	94.2	95.3	95.4	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 1500	61.5	84.1	88.1	94.7	95.9	96.0	96.2	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	61.7	84.7	88.8	95.6	96.8	96.9	97.2	97.3	97.3	97.3	97.4	97.4	97.5	97.5	97.5	97.5
GE 1000	61.7	84.7	88.9	95.8	97.0	97.1	97.5	97.6	97.6	97.6	97.7	97.7	97.8	97.8	97.8	97.8
GE 900	61.7	84.9	89.2	96.1	97.3	97.5	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.3
GE 800	61.7	84.9	89.4	96.3	97.5	97.7	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6
GE 700	61.7	84.9	89.6	96.7	97.8	98.1	98.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0
GE 600	61.7	85.2	89.9	97.0	98.3	98.5	99.0	99.1	99.1	99.2	99.4	99.4	99.5	99.5	99.6	99.6
GE 500	61.7	85.2	89.9	97.1	98.4	98.6	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 400	61.7	85.2	89.9	97.1	98.4	98.6	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
GE 300	61.7	85.2	90.0	97.2	98.5	98.7	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	61.7	85.2	90.0	97.2	98.5	98.7	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	61.7	85.2	90.0	97.2	98.5	98.7	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 0	61.7	85.2	90.0	97.2	98.5	98.7	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	40.0	47.0	48.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	46.6	55.8	57.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 18000	46.6	55.8	57.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 16000	46.6	55.9	58.0	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 14000	46.8	56.2	58.3	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 12000	48.2	58.4	60.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 10000	48.9	59.5	61.6	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 9000	50.1	61.3	63.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 8000	51.7	63.5	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 7000	54.0	66.6	69.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 6000	55.6	68.8	71.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 5000	57.7	72.5	75.3	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
GE 4500	60.6	76.5	79.6	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 4000	61.8	79.1	82.5	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3500	63.5	81.5	85.1	88.0	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3000	64.8	83.2	87.0	90.0	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500	65.9	84.6	88.5	91.6	92.0	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	67.6	87.3	91.4	94.8	95.3	95.5	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	68.5	88.4	92.5	96.1	96.7	96.9	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	68.5	89.0	93.1	96.8	97.3	97.5	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	68.7	89.2	93.3	97.0	97.5	97.7	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	68.7	89.2	93.3	97.1	97.7	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	68.8	89.4	93.4	97.2	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	68.8	89.4	93.4	97.2	97.8	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	68.8	89.4	93.4	97.2	97.8	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	68.8	89.4	93.5	97.4	98.1	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	68.8	89.4	93.5	97.4	98.2	98.5	99.0	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	68.8	89.6	93.8	97.6	98.4	98.7	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	68.8	89.6	93.8	97.6	98.4	98.7	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	68.8	89.6	93.8	97.6	98.4	98.7	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.8	89.6	93.8	97.6	98.4	98.7	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	68.8	89.6	93.8	97.6	98.4	98.7	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1800-2100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.8	47.8	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 20000	47.7	59.7	61.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 18000	47.7	59.8	61.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	47.7	59.8	61.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	47.8	59.9	61.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 12000	48.5	61.2	62.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 10000	50.0	62.9	64.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 9000	52.0	65.5	67.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 8000	54.2	68.0	70.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	57.4	72.4	74.4	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 6000	58.8	74.7	76.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 5000	61.0	78.2	80.8	82.2	82.5	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4500	62.8	81.4	84.1	85.7	86.1	86.1	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4000	63.3	82.9	85.7	87.6	88.1	88.1	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3500	64.0	84.1	86.9	88.8	89.6	89.6	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3000	65.4	85.8	88.8	91.0	91.8	91.8	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2500	66.1	86.7	89.7	92.2	93.1	93.2	93.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	67.1	87.7	90.6	93.4	94.7	94.8	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	67.4	88.1	91.1	93.8	95.2	95.4	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1500	68.4	89.1	92.2	94.8	96.2	96.5	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	68.5	89.6	92.6	95.5	97.0	97.2	97.6	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 1000	68.5	89.6	92.6	95.6	97.1	97.3	97.8	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
GE 900	68.8	89.9	92.9	95.9	97.4	97.6	98.2	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 800	68.8	89.9	92.9	95.9	97.4	97.6	98.2	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 700	68.8	90.0	93.0	96.1	97.6	97.8	98.6	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 600	68.8	90.0	93.0	96.1	97.6	97.8	98.8	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 500	68.8	90.0	93.0	96.1	97.6	97.8	98.8	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 400	68.8	90.2	93.2	96.3	97.8	98.1	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	68.8	90.2	93.2	96.3	97.8	98.1	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	68.8	90.2	93.2	96.3	97.8	98.1	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	68.8	90.2	93.2	96.3	97.8	98.1	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	68.8	90.2	93.2	96.3	97.8	98.1	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.5	47.0	48.9	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3
GE 20000	44.0	55.5	57.5	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
GE 18000	44.0	55.5	57.5	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
GE 16000	44.0	55.5	57.5	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2
GE 14000	44.0	55.5	57.5	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4
GE 12000	44.5	56.3	58.4	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2
GE 10000	45.2	57.7	59.8	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
GE 9000	47.0	60.0	62.0	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
GE 8000	47.8	61.3	63.5	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7
GE 7000	49.8	64.5	66.9	69.5	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3
GE 6000	50.8	66.5	69.1	71.7	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7
GE 5000	53.1	71.3	74.1	76.7	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
GE 4500	57.0	77.6	81.2	84.3	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4
GE 4000	58.2	79.0	82.7	86.1	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3
GE 3500	59.0	81.1	85.1	88.5	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8
GE 3000	60.4	83.5	87.7	91.4	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1
GE 2500	61.0	84.7	88.9	93.0	94.1	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8
GE 2000	62.2	86.2	90.5	94.6	95.9	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.7
GE 1800	62.6	86.8	91.1	95.2	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2
GE 1500	63.1	87.5	91.8	96.0	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.1
GE 1200	63.1	87.5	91.8	96.3	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4
GE 1000	63.1	87.5	91.8	96.3	97.6	97.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4
GE 900	63.2	87.7	92.0	96.6	98.0	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
GE 800	63.2	88.0	92.3	96.8	98.2	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.1
GE 700	63.2	88.2	92.5	97.0	98.5	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5
GE 600	63.2	88.2	92.5	97.0	98.5	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.6
GE 500	63.2	88.2	92.5	97.1	98.6	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.9
GE 400	63.2	88.2	92.5	97.1	98.6	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.9
GE 300	63.2	88.2	92.5	97.1	98.6	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.9
GE 200	63.2	88.2	92.5	97.1	98.6	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.9
GE 100	63.2	88.2	92.5	97.1	98.6	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	100.0
GE 0	63.2	88.2	92.5	97.1	98.6	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.4	42.6	44.6	46.8	47.7	48.0	48.4	48.5	48.6	48.8	48.8	48.8	49.0	49.0	49.2	49.4
GE 20000	37.6	48.9	51.2	53.8	55.0	55.3	55.8	55.9	56.0	56.3	56.3	56.3	56.5	56.5	56.7	56.9
GE 18000	37.6	48.9	51.2	53.8	55.0	55.3	55.8	56.0	56.0	56.3	56.3	56.3	56.5	56.5	56.7	56.9
GE 16000	37.6	48.9	51.2	53.8	55.0	55.3	55.8	56.0	56.0	56.3	56.3	56.3	56.5	56.5	56.7	56.9
GE 14000	37.7	49.1	51.4	54.1	55.3	55.6	56.1	56.3	56.3	56.6	56.6	56.6	56.8	56.8	57.0	57.2
GE 12000	38.4	50.2	52.6	55.3	56.5	56.8	57.4	57.5	57.6	57.8	57.9	57.9	58.0	58.0	58.3	58.5
GE 10000	39.3	51.5	53.9	56.7	57.9	58.2	58.8	59.0	59.0	59.3	59.4	59.4	59.5	59.5	59.8	60.0
GE 9000	40.6	53.2	55.7	58.8	60.0	60.3	60.9	61.1	61.2	61.4	61.5	61.5	61.6	61.6	61.9	62.1
GE 8000	41.6	54.7	57.4	60.7	62.1	62.4	63.1	63.3	63.3	63.6	63.7	63.7	63.8	63.8	64.1	64.3
GE 7000	43.6	57.9	60.7	64.3	65.8	66.2	66.9	67.1	67.2	67.5	67.5	67.5	67.7	67.7	68.0	68.2
GE 6000	44.9	59.9	62.8	66.7	68.4	68.6	69.6	69.8	69.9	70.2	70.3	70.3	70.4	70.4	70.7	70.9
GE 5000	46.9	63.9	67.2	71.5	73.3	73.8	74.7	74.9	75.0	75.3	75.4	75.4	75.6	75.6	75.9	76.1
GE 4500	49.1	67.6	71.2	75.8	77.7	78.2	79.2	79.4	79.6	79.9	80.0	80.0	80.2	80.2	80.5	80.7
GE 4000	50.1	69.4	73.1	78.0	80.1	80.7	81.7	82.0	82.2	82.5	82.6	82.6	82.8	82.8	83.1	83.3
GE 3500	51.1	71.3	75.1	80.2	82.5	83.1	84.2	84.5	84.6	85.0	85.1	85.1	85.3	85.3	85.6	85.8
GE 3000	52.5	73.3	77.4	82.8	85.3	86.0	87.2	87.5	87.6	88.0	88.1	88.1	88.3	88.3	88.6	88.8
GE 2500	53.4	74.7	78.9	84.5	87.1	87.9	89.2	89.5	89.7	90.1	90.2	90.2	90.4	90.4	90.7	90.9
GE 2000	54.6	76.7	81.0	86.9	89.7	90.5	91.9	92.2	92.4	92.8	92.9	92.9	93.1	93.2	93.4	93.6
GE 1800	55.1	77.5	81.8	87.8	90.6	91.4	92.8	93.2	93.3	93.8	93.9	93.9	94.1	94.2	94.4	94.6
GE 1500	55.4	78.2	82.5	88.6	91.4	92.2	93.7	94.0	94.2	94.7	94.8	94.8	95.0	95.0	95.3	95.5
GE 1200	55.7	78.7	83.2	89.3	92.2	93.0	94.5	94.9	95.1	95.6	95.7	95.7	96.0	96.0	96.3	96.5
GE 1000	55.8	78.9	83.3	89.6	92.5	93.3	94.9	95.3	95.5	96.0	96.1	96.1	96.4	96.4	96.7	96.9
GE 900	55.9	79.0	83.5	89.8	92.7	93.6	95.2	95.6	95.8	96.3	96.5	96.5	96.7	96.7	97.0	97.2
GE 800	55.9	79.1	83.6	89.9	92.9	93.8	95.3	95.7	96.0	96.5	96.6	96.6	96.8	96.9	97.1	97.3
GE 700	55.9	79.2	83.7	90.1	93.1	94.1	95.8	96.2	96.4	96.9	97.0	97.0	97.2	97.3	97.5	97.8
GE 600	55.9	79.3	83.9	90.3	93.3	94.3	96.1	96.5	96.7	97.2	97.4	97.4	97.6	97.6	97.9	98.1
GE 500	55.9	79.4	84.0	90.4	93.5	94.5	96.3	96.7	96.9	97.5	97.6	97.6	97.9	97.9	98.2	98.4
GE 400	55.9	79.5	84.0	90.5	93.6	94.7	96.5	97.0	97.2	97.8	97.9	97.9	98.2	98.2	98.5	98.7
GE 300	55.9	79.5	84.0	90.6	93.7	94.7	96.7	97.1	97.4	98.0	98.1	98.1	98.4	98.4	98.7	98.9
GE 200	55.9	79.5	84.1	90.6	93.7	94.8	96.8	97.3	97.5	98.2	98.3	98.3	98.6	98.6	99.0	99.3
GE 100	56.0	79.5	84.1	90.7	93.8	94.9	96.9	97.4	97.6	98.3	98.5	98.5	98.8	98.8	99.3	99.8
GE 0	56.0	79.5	84.1	90.7	93.8	94.9	96.9	97.4	97.6	98.3	98.5	98.5	98.8	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

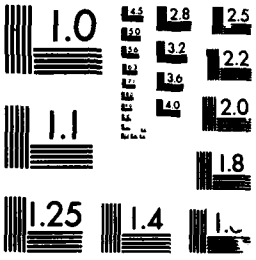
PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.0	56.8	59.6	62.8	63.7	63.7	63.8	63.9	64.0	64.2	64.4	64.4	64.4	64.4	64.4	64.4
GE 20000	34.1	60.9	65.6	69.1	70.3	70.3	70.4	70.6	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1
GE 18000	34.1	60.9	65.7	69.2	70.4	70.4	70.6	70.7	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2
GE 16000	34.1	60.9	65.7	69.2	70.4	70.4	70.6	70.7	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2
GE 14000	34.1	60.9	65.7	69.2	70.4	70.4	70.6	70.7	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	34.3	61.4	66.3	69.9	71.1	71.1	71.3	71.4	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0
GE 10000	35.3	63.1	68.1	71.7	72.9	72.9	73.1	73.2	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8
GE 9000	36.1	64.8	70.2	74.2	75.6	75.6	75.8	75.9	76.0	76.2	76.4	76.4	76.4	76.4	76.4	76.4
GE 8000	36.2	65.3	71.1	75.3	76.7	76.7	76.9	77.0	77.1	77.3	77.6	77.6	77.6	77.6	77.6	77.6
GE 7000	36.9	67.2	73.0	77.6	79.0	79.0	79.2	79.3	79.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9
GE 6000	37.8	68.7	74.8	79.6	81.1	81.1	81.3	81.4	81.6	81.8	82.0	82.0	82.0	82.0	82.0	82.0
GE 5000	38.6	71.8	78.3	83.3	85.0	85.0	85.2	85.3	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9
GE 4500	39.9	74.3	81.2	86.3	88.2	88.2	88.6	88.7	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2
GE 4000	40.1	75.4	82.4	87.6	89.4	89.4	89.8	89.9	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4
GE 3500	41.2	77.7	85.0	90.1	92.0	92.0	92.3	92.4	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	41.9	79.8	87.3	92.6	94.4	94.4	94.8	94.9	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	42.3	80.8	88.4	94.0	96.0	96.0	96.3	96.4	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 2000	42.3	81.4	89.2	94.9	96.9	96.9	97.2	97.3	97.4	97.7	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	42.3	81.8	89.7	95.3	97.3	97.3	97.7	97.8	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	42.3	81.9	89.8	95.4	97.4	97.4	97.8	97.9	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	42.7	82.2	90.1	95.8	97.8	97.8	98.1	98.2	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	42.7	82.3	90.2	95.9	97.9	97.9	98.2	98.3	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	42.7	82.3	90.2	95.9	97.9	97.9	98.2	98.3	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	42.7	82.3	90.2	95.9	97.9	97.9	98.2	98.3	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	42.7	82.4	90.3	96.0	98.0	98.0	98.3	98.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	42.7	82.4	90.3	96.0	98.0	98.0	98.3	98.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	42.7	82.4	90.3	96.0	98.0	98.0	98.3	98.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	42.7	82.4	90.3	96.0	98.0	98.0	98.4	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	42.7	82.4	90.3	96.0	98.0	98.0	98.4	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	42.7	82.4	90.3	96.0	98.0	98.0	98.8	98.9	99.1	99.3	99.6	99.6	99.6	99.6	99.7	99.7
GE 100	42.7	82.4	90.3	96.0	98.0	98.0	98.8	98.9	99.1	99.3	99.6	99.6	99.8	99.8	99.9	99.9
GE 0	42.7	82.4	90.3	96.0	98.0	98.0	98.8	98.9	99.1	99.3	99.6	99.6	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

AD-A190 783 MCGHEE-TYSON ANGB KNOXVILLE TENNESSEE REVISED UNIFORM SUMMARY OF SURFACE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 88 3/4

UNCLASSIFIED USAFETAC/DS-88/017 F/G 4/2 NL



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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.3	41.3	47.2	52.7	55.4	55.7	57.8	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.7	58.7
GE 20000	20.3	44.9	52.4	58.0	60.9	61.1	63.2	63.6	63.6	63.6	63.7	63.7	63.7	63.7	64.1	64.1
GE 18000	20.3	44.9	52.4	58.0	60.9	61.1	63.2	63.6	63.6	63.6	63.7	63.7	63.7	63.7	64.1	64.1
GE 16000	20.3	44.9	52.4	58.0	60.9	61.1	63.2	63.6	63.6	63.6	63.7	63.7	63.7	63.7	64.1	64.1
GE 14000	20.3	45.0	52.6	58.1	61.0	61.2	63.3	63.7	63.7	63.7	63.8	63.8	63.8	63.8	64.2	64.2
GE 12000	21.2	46.1	53.7	59.2	62.1	62.3	64.6	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.4	65.4
GE 10000	21.7	47.7	55.3	60.9	63.8	64.0	66.2	66.6	66.6	66.6	66.7	66.7	66.7	66.7	67.1	67.1
GE 9000	23.1	49.8	58.0	63.9	67.0	67.2	69.6	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.4	70.4
GE 8000	23.3	50.7	59.1	65.2	68.6	68.8	71.1	71.4	71.6	71.6	71.7	71.7	71.7	71.7	72.1	72.1
GE 7000	23.9	51.8	60.3	66.6	69.9	70.1	72.6	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.6	73.6
GE 6000	24.4	52.6	61.1	67.4	70.9	71.1	73.6	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.7	74.7
GE 5000	25.4	55.3	64.4	71.1	74.8	75.0	77.4	77.9	78.0	78.0	78.1	78.1	78.1	78.1	79.6	78.6
GE 4500	26.3	57.7	67.3	74.0	77.9	78.1	80.6	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.7	81.7
GE 4000	26.3	58.4	68.6	75.4	79.4	79.7	82.1	82.6	82.7	82.7	82.8	82.8	82.8	82.8	83.2	83.2
GE 3500	26.8	60.3	71.0	78.1	82.1	82.3	84.8	85.3	85.4	85.4	85.6	85.6	85.6	85.6	86.0	86.0
GE 3000	27.0	61.8	72.8	80.3	84.3	84.6	87.0	87.6	87.7	87.7	87.8	87.8	87.8	87.8	88.2	88.2
GE 2500	27.6	64.0	75.2	82.9	86.9	87.1	89.6	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.8	90.8
GE 2000	28.0	65.8	78.1	86.0	90.0	90.2	92.7	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.9	93.9
GE 1800	28.0	65.9	78.4	86.4	90.4	90.7	93.1	93.7	93.8	93.8	93.9	93.9	93.9	93.9	94.3	94.3
GE 1500	28.0	66.1	78.7	86.7	90.7	90.9	93.4	94.0	94.1	94.2	94.3	94.3	94.3	94.3	94.8	94.8
GE 1200	28.4	66.9	79.6	87.6	91.6	91.8	94.3	94.9	95.0	95.1	95.2	95.2	95.2	95.2	95.7	95.7
GE 1000	28.6	67.1	79.8	87.8	91.8	92.0	94.6	95.1	95.2	95.4	95.6	95.6	95.6	95.6	96.0	96.0
GE 900	28.6	67.2	79.9	88.0	92.0	92.2	94.8	95.3	95.4	95.7	95.8	95.8	95.8	95.8	96.2	96.2
GE 800	28.7	67.3	80.0	88.1	92.2	92.4	95.0	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.4	96.4
GE 700	28.7	67.3	80.0	88.2	92.3	92.6	95.1	95.7	95.8	96.0	96.1	96.1	96.1	96.1	96.6	96.6
GE 600	28.7	67.3	80.1	88.3	92.4	92.7	95.2	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.7	96.7
GE 500	28.7	67.3	80.2	88.7	93.0	93.2	95.8	96.4	96.6	96.8	96.9	96.9	96.9	96.9	97.3	97.3
GE 400	28.7	67.4	80.3	88.8	93.1	93.3	96.0	96.7	96.8	97.0	97.1	97.1	97.1	97.1	97.6	97.6
GE 300	28.7	67.4	80.4	88.9	93.3	93.6	96.2	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.9	97.9
GE 200	28.7	67.4	80.4	88.9	93.3	93.6	96.6	97.2	97.7	97.9	98.0	98.0	98.0	98.0	98.4	98.4
GE 100	28.7	67.4	80.4	89.0	93.4	93.7	96.7	97.3	97.9	98.1	98.2	98.2	98.2	98.2	99.0	99.1
GE 0	28.7	67.4	80.4	89.0	93.4	93.7	96.7	97.3	97.9	98.1	98.3	98.3	98.4	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0630

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	14.6	26.8	33.4	41.0	48.3	48.9	50.8	51.2	51.6	52.2	52.4	52.4	52.9	53.0	53.4	53.4
GE 20000	16.6	31.8	39.3	48.0	56.1	56.8	59.0	59.4	60.0	60.7	60.9	60.9	61.3	61.4	61.9	61.9
GE 18000	16.6	31.8	39.3	48.0	56.1	56.8	59.0	59.4	60.0	60.7	60.9	60.9	61.3	61.4	61.9	61.9
GE 16000	16.7	31.9	39.4	48.1	56.2	56.9	59.1	59.6	60.1	60.8	61.0	61.0	61.4	61.6	62.0	62.0
GE 14000	16.8	32.0	39.6	48.2	56.3	57.0	59.2	59.7	60.2	60.9	61.1	61.1	61.6	61.7	62.1	62.1
GE 12000	17.3	33.0	40.6	49.2	57.6	58.3	60.6	61.1	61.7	62.3	62.6	62.6	63.0	63.1	63.6	63.6
GE 10000	17.9	34.9	42.9	52.1	60.6	61.3	63.7	64.3	65.0	65.7	65.9	65.9	66.3	66.4	66.9	66.9
GE 9000	18.6	36.3	44.7	54.4	63.7	64.4	66.8	67.6	68.2	68.9	69.1	69.1	69.7	69.8	70.2	70.2
GE 8000	18.9	36.9	45.2	55.2	64.6	65.3	67.8	68.6	69.2	69.9	70.1	70.1	70.7	70.8	71.2	71.2
GE 7000	19.4	37.9	46.4	57.2	67.1	67.9	70.4	71.2	72.1	72.8	73.0	73.0	73.6	73.7	74.1	74.1
GE 6000	20.0	38.8	47.6	58.7	68.6	69.3	71.9	72.8	73.8	74.4	74.7	74.7	75.2	75.3	75.8	75.8
GE 5000	20.6	39.6	48.6	59.8	70.3	71.3	73.9	74.8	75.8	76.6	76.8	76.8	77.3	77.4	77.9	77.9
GE 4500	20.8	40.6	49.9	61.7	72.3	73.3	76.0	77.1	78.1	78.9	79.1	79.1	79.7	79.8	80.2	80.2
GE 4000	21.0	41.2	51.2	63.2	74.1	75.1	77.8	78.9	79.9	80.7	80.9	80.9	81.4	81.6	82.0	82.0
GE 3500	21.0	41.7	51.7	63.9	75.0	76.1	79.0	80.2	81.2	82.1	82.3	82.3	82.9	83.0	83.6	83.6
GE 3000	21.3	42.3	52.4	64.9	76.3	77.4	80.4	81.8	82.8	83.7	83.9	83.9	84.4	84.6	85.1	85.1
GE 2500	22.0	43.3	53.8	66.4	77.9	79.0	82.0	83.6	84.6	85.7	85.9	85.9	86.4	86.6	87.1	87.1
GE 2000	23.0	45.2	56.1	69.0	80.9	82.0	85.0	86.7	87.7	88.8	89.1	89.1	89.7	89.8	90.3	90.3
GE 1800	23.3	45.8	56.9	69.9	81.8	83.0	86.3	88.0	89.0	90.1	90.4	90.4	91.0	91.1	91.7	91.7
GE 1500	23.4	46.4	57.6	70.7	82.9	84.1	87.6	89.3	90.3	91.4	91.8	91.8	92.3	92.4	93.0	93.0
GE 1200	23.8	47.1	58.2	71.6	83.8	85.0	88.7	90.6	91.6	92.7	93.0	93.0	93.6	93.7	94.2	94.2
GE 1000	23.8	47.2	58.3	71.8	84.0	85.2	88.9	90.8	91.8	92.9	93.2	93.2	93.8	93.9	94.4	94.4
GE 900	23.8	47.2	58.3	71.8	84.1	85.3	89.0	90.9	91.9	93.0	93.3	93.4	94.0	94.1	94.7	94.7
GE 800	23.8	47.2	58.4	72.0	84.4	85.7	89.3	91.3	92.3	93.4	93.8	94.0	94.6	94.7	95.2	95.2
GE 700	23.8	47.2	58.4	72.0	84.4	85.7	89.3	91.3	92.3	93.4	93.8	94.0	94.6	94.7	95.2	95.2
GE 600	23.8	47.2	58.4	72.1	84.6	85.8	89.6	91.6	92.6	93.8	94.1	94.3	94.9	95.0	95.6	95.7
GE 500	23.8	47.3	58.6	72.3	84.9	86.1	90.1	92.1	93.1	94.3	94.7	94.9	95.4	95.6	96.1	96.2
GE 400	23.8	47.3	58.6	72.4	85.0	86.2	90.6	93.0	94.0	95.3	95.7	95.9	96.4	96.6	97.1	97.2
GE 300	23.8	47.3	58.6	72.6	85.3	86.6	91.2	93.7	94.7	96.0	96.6	96.8	97.3	97.4	98.1	98.2
GE 200	23.8	47.3	58.6	72.6	85.4	86.7	91.4	94.0	95.1	96.4	97.0	97.2	97.8	97.9	98.6	98.8
GE 100	23.8	47.3	58.6	72.6	85.4	86.7	91.6	94.1	95.2	96.6	97.1	97.3	98.0	98.2	99.0	99.7
GE 0	23.8	47.3	58.6	72.6	85.4	86.7	91.6	94.1	95.2	96.6	97.1	97.3	98.0	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	24.1	45.0	53.0	57.3	59.6	59.8	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
GE 20000	26.7	50.0	58.6	63.1	65.6	65.9	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
GE 18000	26.7	50.0	58.6	63.1	65.6	65.9	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
GE 16000	26.7	50.2	58.8	63.3	65.8	66.1	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6
GE 14000	26.7	50.3	59.2	63.9	66.3	66.7	67.0	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1
GE 12000	27.0	51.7	60.9	65.8	68.6	68.9	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3
GE 10000	27.3	53.1	62.4	67.4	70.3	70.7	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 9000	27.7	53.4	62.9	67.9	71.0	71.3	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
GE 8000	27.9	53.7	63.1	68.2	71.3	71.8	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2
GE 7000	27.9	53.9	63.3	69.2	72.7	73.1	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6
GE 6000	28.2	54.7	64.2	70.1	73.6	74.1	74.7	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
GE 5000	28.7	55.9	65.7	71.8	75.4	76.0	76.6	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
GE 4500	29.1	56.7	66.8	72.9	76.6	77.2	77.8	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
GE 4000	29.4	57.8	68.1	74.6	78.4	79.2	79.8	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	29.7	59.1	69.7	76.3	80.3	81.1	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
GE 3000	30.7	61.2	72.1	78.8	83.0	83.8	84.3	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	32.1	63.4	74.3	81.1	85.4	86.2	86.8	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
GE 2000	33.1	65.7	77.0	84.0	88.4	89.4	90.0	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	34.1	66.9	78.2	85.3	89.9	90.9	91.4	91.7	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.1
GE 1500	34.7	68.1	79.4	86.7	91.3	92.3	92.9	93.2	93.4	93.4	93.6	93.6	93.7	93.7	93.7	93.7
GE 1200	35.0	69.4	80.9	88.2	93.0	94.1	94.8	95.1	95.3	95.3	95.4	95.4	95.6	95.6	95.6	95.6
GE 1000	35.0	69.6	81.0	88.7	93.7	95.1	95.9	96.2	96.4	96.4	96.6	96.6	96.7	96.7	96.7	96.7
GE 900	35.0	70.0	81.4	89.2	94.3	96.0	96.8	97.1	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6
GE 800	35.0	70.3	81.8	89.6	95.0	96.9	97.7	98.0	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
GE 700	35.0	70.3	81.9	89.7	95.2	97.2	98.0	98.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8
GE 600	35.0	70.3	81.9	89.8	95.6	97.6	98.4	98.8	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 500	35.0	70.4	82.0	89.9	95.7	97.7	98.7	99.0	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4
GE 400	35.0	70.4	82.0	89.9	95.7	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	35.0	70.4	82.0	89.9	95.7	97.7	98.9	99.4	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	35.0	70.4	82.0	89.9	95.7	97.7	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	35.0	70.4	82.0	89.9	95.7	97.7	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	35.0	70.4	82.0	89.9	95.7	97.7	98.9	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.6	55.3	60.6	62.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 20000	40.2	61.7	67.3	69.1	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 18000	40.2	61.7	67.3	69.1	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 16000	40.2	61.7	67.3	69.1	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 14000	40.3	62.0	67.7	69.4	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 12000	41.1	63.3	69.2	71.0	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 10000	41.4	64.8	70.7	72.6	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 9000	42.2	65.8	72.0	73.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 8000	42.6	66.3	72.6	74.4	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 7000	42.8	67.1	73.8	75.9	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	43.1	67.7	74.4	76.6	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	43.9	69.1	75.9	78.1	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4500	44.4	69.7	76.4	78.7	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4000	45.9	72.6	80.0	82.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	47.0	74.0	81.4	83.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3000	48.7	77.4	85.0	87.3	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500	50.0	79.4	87.4	90.2	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2000	51.2	81.4	89.9	93.3	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	51.4	82.4	91.0	94.7	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	51.4	83.3	91.9	95.6	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	51.4	83.4	92.0	95.9	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	51.4	83.8	92.4	96.4	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	51.4	83.8	92.4	96.6	99.3	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	51.4	83.8	92.4	96.6	99.3	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: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.9	54.6	58.0	59.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 20000	45.2	64.1	68.2	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 18000	45.2	64.1	68.2	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 16000	45.2	64.1	68.2	70.1	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 14000	45.8	64.8	68.9	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 12000	46.6	66.4	70.9	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 10000	47.7	68.2	73.1	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 9000	48.3	69.7	74.9	77.3	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 8000	48.7	70.7	76.0	78.4	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 7000	49.8	72.9	78.3	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 6000	50.3	73.4	79.1	82.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 5000	51.3	75.8	81.6	84.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4500	52.7	78.1	84.2	87.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 4000	53.9	80.0	86.7	90.2	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3500	55.2	81.6	88.3	92.1	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	55.8	82.7	89.7	93.6	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	56.2	83.4	90.6	94.7	96.1	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	56.8	84.1	91.7	96.0	97.7	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 1800	56.8	84.3	92.0	96.7	98.3	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 1500	56.8	84.3	92.0	96.8	98.4	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 1200	56.9	84.6	92.2	97.2	98.9	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 1000	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 900	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 800	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 700	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 600	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9
GE 500	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 0	56.9	84.6	92.2	97.2	98.9	99.2	99.6	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1800-2400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.9	52.4	55.0	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 20000	47.6	67.1	70.9	73.3	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 18000	47.6	67.1	70.9	73.3	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 16000	47.6	67.1	70.9	73.3	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 14000	48.2	68.2	72.0	74.4	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 12000	48.7	68.9	72.9	75.7	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 10000	50.0	71.7	76.4	80.0	80.2	80.2	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 9000	50.9	74.1	78.9	82.7	83.1	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 8000	51.6	75.4	80.2	84.1	84.6	84.6	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 7000	52.2	76.6	81.6	85.8	86.2	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 6000	52.4	76.9	82.2	86.8	87.3	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 5000	53.0	78.3	84.0	88.6	89.1	89.2	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 4500	54.3	80.3	86.1	91.2	92.0	92.1	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	54.8	81.2	87.0	92.3	93.3	93.4	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	55.4	83.2	89.2	94.6	95.6	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 3000	55.9	84.4	90.4	96.1	97.2	97.3	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	56.6	85.1	91.1	96.9	98.0	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 2000	56.7	85.3	91.3	97.1	98.2	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	56.7	85.3	91.3	97.1	98.2	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	56.7	85.3	91.3	97.2	98.3	98.6	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	56.9	85.6	91.6	97.4	98.6	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	56.9	85.6	91.6	97.4	98.6	98.8	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	57.0	86.0	92.0	97.9	99.0	99.2	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.0	55.3	57.7	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 20000	39.3	61.4	64.6	68.2	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 18000	39.3	61.4	64.6	68.2	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 16000	39.3	61.4	64.6	68.2	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 14000	39.6	61.8	65.0	68.7	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 12000	39.9	62.4	66.0	69.7	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 10000	41.2	65.2	68.9	73.2	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 9000	42.1	67.4	71.8	77.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 8000	42.8	68.4	73.0	78.3	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 7000	44.6	71.6	76.6	82.0	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 6000	45.6	73.3	78.3	84.0	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 5000	47.0	75.6	81.0	86.9	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4500	48.4	78.0	83.7	89.8	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 4000	49.3	79.8	85.6	91.8	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	50.4	81.9	87.9	94.1	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	51.4	83.3	89.6	96.0	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	51.9	83.9	90.2	96.7	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	51.9	83.9	90.2	96.8	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	52.0	84.0	90.4	97.0	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	52.1	84.2	90.7	97.2	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	52.3	84.4	91.0	97.6	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	52.3	84.4	91.0	97.6	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	52.3	84.4	91.0	97.6	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	52.3	84.4	91.0	97.6	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	52.3	84.4	91.0	97.6	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	52.3	84.4	91.0	97.6	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	52.3	84.4	91.0	97.6	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	52.3	84.4	91.0	97.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	52.3	84.4	91.0	97.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	52.3	84.4	91.0	97.6	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	52.3	84.4	91.0	97.6	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	52.3	84.4	91.0	97.6	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.0	48.4	53.1	56.6	58.5	58.6	59.2	59.3	59.3	59.5	59.5	59.5	59.6	59.6	59.7	59.7
GE 20000	33.8	55.2	60.9	64.9	67.0	67.2	67.8	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.4	68.4
GE 18000	33.8	55.2	60.9	64.9	67.0	67.2	67.8	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.4	68.4
GE 16000	33.8	55.3	60.9	64.9	67.1	67.2	67.9	68.0	68.1	68.2	68.3	68.3	68.3	68.3	68.4	68.4
GE 14000	34.0	55.6	61.3	65.3	67.5	67.6	68.3	68.4	68.5	68.6	68.7	68.7	68.7	68.8	68.9	68.9
GE 12000	34.5	56.7	62.6	66.7	68.9	69.1	69.7	69.9	69.9	70.1	70.2	70.2	70.2	70.2	70.3	70.3
GE 10000	35.3	58.6	64.7	69.2	71.5	71.7	72.4	72.5	72.6	72.7	72.8	72.8	72.9	72.9	73.0	73.0
GE 9000	36.1	60.2	66.7	71.4	74.0	74.2	74.9	75.0	75.1	75.2	75.3	75.3	75.4	75.4	75.5	75.5
GE 8000	36.5	60.9	67.5	72.4	75.0	75.2	75.9	76.1	76.2	76.3	76.4	76.4	76.5	76.5	76.6	76.6
GE 7000	37.2	62.4	69.2	74.4	77.2	77.3	78.1	78.3	78.4	78.5	78.6	78.6	78.7	78.7	78.8	78.8
GE 6000	37.7	63.3	70.2	75.6	78.5	78.7	79.5	79.7	79.9	80.0	80.1	80.1	80.1	80.2	80.3	80.3
GE 5000	38.6	65.2	72.4	78.0	81.1	81.3	82.1	82.3	82.5	82.6	82.7	82.7	82.8	82.8	82.9	82.9
GE 4500	39.5	66.9	74.5	80.3	83.4	83.7	84.5	84.8	84.9	85.1	85.1	85.1	85.2	85.2	85.3	85.3
GE 4000	40.1	68.3	76.2	82.2	85.5	85.8	86.6	86.8	87.0	87.1	87.2	87.2	87.3	87.3	87.4	87.4
GE 3500	40.8	69.9	78.0	84.1	87.5	87.8	88.7	88.9	89.1	89.3	89.3	89.3	89.4	89.4	89.5	89.5
GE 3000	41.6	71.6	79.9	86.2	89.8	90.1	91.0	91.3	91.4	91.6	91.7	91.7	91.8	91.8	91.9	91.9
GE 2500	42.3	72.9	81.4	87.9	91.5	91.8	92.7	93.0	93.2	93.4	93.5	93.5	93.6	93.6	93.7	93.7
GE 2000	42.9	74.1	82.9	89.6	93.3	93.7	94.7	95.0	95.2	95.3	95.4	95.4	95.5	95.5	95.7	95.7
GE 1800	43.1	74.6	83.5	90.3	94.0	94.4	95.4	95.7	95.9	96.1	96.2	96.2	96.3	96.3	96.4	96.4
GE 1500	43.2	75.0	83.9	90.8	94.6	95.0	96.0	96.3	96.5	96.7	96.8	96.8	96.9	96.9	97.0	97.0
GE 1200	43.4	75.5	84.4	91.4	95.2	95.6	96.7	97.0	97.2	97.4	97.5	97.5	97.6	97.7	97.8	97.8
GE 1000	43.4	75.6	84.6	91.6	95.4	95.9	97.0	97.4	97.5	97.8	97.9	97.9	98.0	98.0	98.1	98.1
GE 900	43.5	75.7	84.7	91.8	95.6	96.1	97.2	97.6	97.8	98.0	98.1	98.1	98.2	98.2	98.4	98.4
GE 800	43.5	75.8	84.8	91.8	95.8	96.3	97.4	97.8	98.0	98.2	98.3	98.3	98.4	98.4	98.6	98.6
GE 700	43.5	75.8	84.8	91.9	95.8	96.4	97.5	97.9	98.0	98.3	98.4	98.4	98.5	98.5	98.7	98.7
GE 600	43.5	75.8	84.8	91.9	95.9	96.5	97.6	98.0	98.1	98.4	98.5	98.5	98.6	98.6	98.8	98.8
GE 500	43.5	75.8	84.8	92.0	96.0	96.6	97.8	98.2	98.3	98.6	98.7	98.7	98.8	98.8	99.0	99.0
GE 400	43.5	75.8	84.9	92.0	96.1	96.6	97.9	98.4	98.6	98.8	98.9	98.9	99.1	99.1	99.2	99.2
GE 300	43.5	75.8	84.9	92.1	96.1	96.7	98.0	98.5	98.7	98.9	99.1	99.1	99.2	99.2	99.4	99.4
GE 200	43.5	75.8	84.9	92.1	96.1	96.7	98.1	98.6	98.9	99.1	99.3	99.3	99.4	99.4	99.6	99.6
GE 100	43.5	75.8	84.9	92.1	96.2	96.7	98.2	98.7	98.9	99.2	99.3	99.3	99.5	99.5	99.7	99.8
GE 0	43.5	75.8	84.9	92.1	96.2	96.7	98.2	98.7	98.9	99.2	99.3	99.4	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	18.5	37.8	47.4	58.4	60.9	61.0	61.8	61.9	62.0	62.2	62.3	62.4	62.7	62.7	62.8	62.8
GE 20000	20.0	41.2	51.7	63.5	66.5	66.6	67.6	67.7	67.8	68.0	68.1	68.2	68.5	68.5	68.6	68.6
GE 18000	20.0	41.2	51.7	63.5	66.5	66.6	67.6	67.7	67.8	68.0	68.1	68.2	68.5	68.5	68.6	68.6
GE 16000	20.1	41.3	51.8	63.7	66.6	66.7	67.7	67.8	68.0	68.1	68.2	68.3	68.6	68.6	68.7	68.7
GE 14000	20.3	41.6	52.2	64.0	67.0	67.1	68.2	68.3	68.4	68.5	68.6	68.7	69.0	69.0	69.1	69.1
GE 12000	20.5	41.9	52.5	64.6	67.6	67.7	68.8	68.9	69.0	69.1	69.2	69.4	69.7	69.7	69.8	69.8
GE 10000	21.4	43.9	54.5	66.9	70.0	70.1	71.2	71.3	71.4	71.5	71.6	71.7	72.0	72.0	72.4	72.4
GE 9000	21.9	46.7	57.4	70.6	73.8	73.9	74.9	75.1	75.2	75.3	75.4	75.5	75.8	75.8	76.1	76.1
GE 8000	22.2	47.4	58.4	71.7	74.8	74.9	76.0	76.1	76.2	76.3	76.5	76.6	76.9	76.9	77.2	77.2
GE 7000	22.9	49.2	60.9	74.5	77.6	77.7	78.8	78.9	79.0	79.1	79.2	79.4	79.7	79.7	80.0	80.0
GE 6000	23.0	49.7	61.4	75.2	78.4	78.5	79.6	79.7	79.8	79.9	80.0	80.1	80.4	80.4	80.8	80.8
GE 5000	23.9	51.6	64.1	78.5	81.8	81.9	83.2	83.3	83.4	83.5	83.7	83.8	84.1	84.1	84.4	84.4
GE 4500	24.6	53.4	66.0	81.1	84.4	84.5	85.8	85.9	86.0	86.1	86.2	86.3	86.7	86.7	87.0	87.0
GE 4000	25.4	55.3	68.0	83.0	86.3	86.5	87.7	87.8	88.0	88.1	88.2	88.3	88.6	88.6	88.9	88.9
GE 3500	26.2	57.3	70.1	85.7	89.2	89.5	90.8	90.9	91.0	91.1	91.2	91.3	91.6	91.6	91.9	91.9
GE 3000	26.6	58.4	71.3	87.5	91.2	91.7	93.0	93.1	93.2	93.3	93.4	93.5	93.9	93.9	94.2	94.2
GE 2500	27.0	59.2	72.3	89.4	93.2	93.9	95.2	95.3	95.4	95.5	95.6	95.7	96.1	96.1	96.5	96.5
GE 2000	27.1	59.8	72.8	90.1	94.0	94.6	96.0	96.1	96.2	96.3	96.5	96.6	97.0	97.0	97.3	97.3
GE 1800	27.2	60.1	73.1	90.5	94.4	95.1	96.5	96.6	96.7	96.8	96.9	97.0	97.4	97.4	97.7	97.7
GE 1500	27.2	60.4	73.4	90.9	94.7	95.4	96.8	96.9	97.0	97.1	97.2	97.3	97.7	97.7	98.1	98.1
GE 1200	27.3	60.5	73.5	91.0	94.8	95.5	96.9	97.0	97.1	97.2	97.3	97.4	97.8	97.8	98.2	98.2
GE 1000	27.3	60.5	73.5	91.0	94.8	95.5	96.9	97.0	97.1	97.2	97.3	97.4	97.8	97.8	98.2	98.2
GE 900	27.3	60.5	73.5	91.0	94.8	95.5	96.9	97.0	97.1	97.2	97.3	97.4	97.8	97.8	98.2	98.2
GE 800	27.3	60.5	73.5	91.0	94.8	95.5	96.9	97.0	97.1	97.2	97.3	97.4	97.8	97.8	98.2	98.2
GE 700	27.3	60.5	73.5	91.0	94.8	95.5	97.0	97.1	97.2	97.3	97.4	97.5	98.0	98.0	98.3	98.3
GE 600	27.3	60.5	73.5	91.0	94.9	95.6	97.3	97.4	97.5	97.6	97.7	97.8	98.3	98.3	98.6	98.6
GE 500	27.3	60.5	73.5	91.0	94.9	95.6	97.4	97.5	97.6	97.7	97.8	98.0	98.4	98.4	98.7	98.7
GE 400	27.3	60.5	73.5	91.0	95.1	95.7	97.5	97.6	97.7	97.8	98.0	98.1	98.5	98.5	98.8	98.8
GE 300	27.3	60.6	73.8	91.4	95.5	96.1	98.0	98.1	98.2	98.3	98.4	98.5	98.9	98.9	99.2	99.2
GE 200	27.3	60.6	73.8	91.4	95.5	96.1	98.0	98.1	98.4	98.7	98.8	98.9	99.6	99.6	99.9	99.9
GE 100	27.3	60.6	73.8	91.4	95.5	96.1	98.0	98.1	98.4	98.7	98.8	98.9	99.6	99.6	99.9	99.9
GE 0	27.3	60.6	73.8	91.4	95.5	96.1	98.0	98.1	98.4	98.7	98.8	98.9	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.3	28.4	37.6	51.8	54.9	55.1	56.6	57.3	57.4	58.6	58.7	58.7	59.5	59.6	60.0	60.1
GE 20000	12.8	31.0	40.5	55.5	58.8	58.9	60.4	61.2	61.3	62.5	62.6	62.6	63.3	63.4	63.9	64.0
GE 18000	13.0	31.2	40.8	55.7	59.0	59.1	60.6	61.4	61.5	62.7	62.8	62.8	63.5	63.7	64.1	64.2
GE 16000	13.1	31.3	40.9	55.8	59.1	59.2	60.8	61.5	61.6	62.8	62.9	62.9	63.7	63.8	64.2	64.3
GE 14000	13.4	31.6	41.2	56.1	59.6	59.7	61.2	61.9	62.0	63.2	63.3	63.3	64.1	64.2	64.6	64.7
GE 12000	13.8	32.3	41.9	57.1	60.5	60.6	62.2	63.0	63.1	64.3	64.4	64.4	65.2	65.3	65.7	65.8
GE 10000	13.8	33.0	42.9	58.5	61.9	62.0	63.5	64.5	64.6	65.9	66.0	66.0	66.9	67.0	67.4	67.5
GE 9000	14.5	34.9	44.8	61.2	64.9	65.1	66.7	67.7	67.8	69.1	69.2	69.2	70.1	70.2	70.6	70.8
GE 8000	14.5	35.2	45.1	61.6	65.5	65.6	67.2	68.3	68.4	69.7	69.8	69.8	70.6	70.8	71.2	71.3
GE 7000	15.1	37.0	47.0	64.2	68.3	68.4	70.0	71.1	71.2	72.5	72.6	72.6	73.4	73.5	74.0	74.1
GE 6000	15.3	37.7	47.7	64.9	69.0	69.1	70.8	71.8	71.9	73.2	73.3	73.3	74.2	74.3	74.7	74.8
GE 5000	16.0	40.0	50.2	67.8	72.0	72.2	74.1	75.2	75.3	76.6	76.7	76.7	77.5	77.6	78.1	78.2
GE 4500	17.0	41.9	53.1	71.4	75.8	75.9	77.8	78.9	79.0	80.3	80.4	80.4	81.3	81.4	81.8	81.9
GE 4000	17.5	43.4	54.7	73.2	77.6	77.7	79.7	80.8	80.9	82.2	82.3	82.3	83.1	83.2	83.7	83.8
GE 3500	17.8	44.3	55.7	74.4	78.9	79.0	81.2	82.3	82.4	83.7	83.8	83.8	84.6	84.7	85.2	85.3
GE 3000	18.6	46.1	57.5	77.3	81.9	82.2	84.3	85.4	85.5	86.8	86.9	86.9	87.7	87.8	88.3	88.4
GE 2500	19.5	47.6	59.0	79.2	83.9	84.1	86.8	87.8	88.0	89.4	89.5	89.5	90.3	90.4	90.9	91.0
GE 2000	19.7	48.6	60.1	80.5	85.2	85.4	88.1	89.1	89.2	90.6	90.8	90.8	91.6	91.7	92.2	92.3
GE 1800	19.7	48.6	60.1	80.9	85.5	85.7	88.4	89.5	89.6	91.0	91.1	91.1	91.9	92.0	92.5	92.6
GE 1500	19.7	48.9	60.5	81.4	86.0	86.2	88.9	90.0	90.1	91.5	91.6	91.6	92.5	92.6	93.0	93.1
GE 1200	19.9	49.4	61.0	81.8	86.5	86.8	89.6	90.6	90.8	92.2	92.3	92.3	93.1	93.2	93.7	93.8
GE 1000	19.9	49.7	61.3	82.4	87.0	87.3	90.1	91.2	91.3	92.7	92.8	92.8	93.7	93.8	94.2	94.3
GE 900	19.9	49.8	61.4	82.8	87.4	87.8	90.6	91.7	91.8	93.2	93.3	93.3	94.2	94.3	94.7	94.8
GE 800	20.0	49.9	61.6	83.2	87.8	88.3	91.1	92.2	92.3	93.7	93.8	93.8	94.6	94.7	95.2	95.3
GE 700	20.0	49.9	61.6	83.4	88.2	88.6	91.4	92.5	92.6	94.0	94.1	94.1	94.9	95.1	95.5	95.6
GE 600	20.0	50.0	61.7	83.5	88.4	88.9	91.7	92.8	92.9	94.3	94.4	94.4	95.3	95.4	95.8	95.9
GE 500	20.0	50.2	61.9	84.1	88.9	89.5	92.3	93.3	93.4	94.8	94.9	94.9	95.8	95.9	96.3	96.5
GE 400	20.0	50.2	61.9	84.1	88.9	89.5	92.4	93.4	93.7	95.1	95.2	95.2	96.0	96.1	96.6	96.7
GE 300	20.0	50.2	62.3	84.6	89.6	90.1	93.0	94.1	94.4	95.8	95.9	95.9	96.9	97.0	97.4	97.5
GE 200	20.0	50.2	62.3	84.6	89.6	90.1	93.1	94.2	94.6	96.5	96.8	96.8	98.0	98.1	98.6	98.8
GE 100	20.0	50.2	62.3	84.6	89.6	90.1	93.1	94.2	94.7	96.6	96.9	96.9	98.1	98.2	98.7	98.9
GE 0	20.0	50.2	62.3	84.6	89.6	90.1	93.1	94.2	94.7	96.6	96.9	96.9	98.1	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	9.1	17.2	21.5	32.8	38.9	42.7	48.6	49.8	50.2	51.0	51.0	51.0	51.6	51.6	52.5	52.8
GE 20000	11.1	20.8	25.5	38.4	45.8	49.7	56.3	57.5	58.0	58.8	58.8	58.8	59.6	59.6	60.4	60.8
GE 18000	11.1	20.8	25.5	38.4	45.8	49.7	56.3	57.5	58.0	58.8	58.8	58.8	59.6	59.6	60.4	60.8
GE 16000	11.1	20.8	25.5	38.4	45.8	49.7	56.3	57.5	58.0	58.8	58.8	58.8	59.6	59.6	60.4	60.8
GE 14000	11.1	20.8	25.7	38.6	46.2	50.1	56.8	58.0	58.4	59.2	59.2	59.2	60.0	60.0	60.9	61.2
GE 12000	11.1	20.9	26.0	39.0	46.7	50.5	57.3	58.6	59.0	59.9	59.9	59.9	60.6	60.6	61.5	61.9
GE 10000	11.5	21.8	27.3	41.0	49.1	53.3	60.2	61.6	62.0	62.9	62.9	62.9	63.7	63.7	64.5	64.9
GE 9000	11.9	22.8	28.5	42.7	51.2	55.4	62.3	64.1	64.5	65.4	65.4	65.4	66.2	66.2	67.1	67.5
GE 8000	12.3	23.2	28.9	43.1	51.8	56.0	63.0	64.9	65.4	66.3	66.3	66.3	67.2	67.2	68.1	68.5
GE 7000	13.0	24.5	30.8	45.5	54.2	58.6	65.8	67.7	68.2	69.1	69.1	69.1	70.0	70.0	70.9	71.3
GE 6000	13.0	25.2	31.5	46.6	55.4	60.0	67.2	69.1	69.6	70.5	70.5	70.5	71.4	71.4	72.3	72.7
GE 5000	13.2	26.1	32.6	49.1	58.2	62.8	70.1	72.0	72.5	73.4	73.4	73.4	74.3	74.3	75.2	75.6
GE 4500	13.9	27.5	34.0	50.8	60.1	64.7	72.2	74.1	74.5	75.8	75.8	75.8	76.7	76.7	77.5	78.0
GE 4000	14.4	28.4	35.1	52.2	61.7	66.3	74.0	75.9	76.3	77.6	77.6	77.6	78.5	78.5	79.4	79.8
GE 3500	14.9	29.5	36.3	53.5	63.2	67.8	75.6	77.6	78.1	79.4	79.4	79.4	80.2	80.2	81.1	81.5
GE 3000	15.1	30.3	37.3	55.2	64.9	70.0	78.2	80.3	80.8	82.2	82.2	82.2	83.0	83.0	83.9	84.3
GE 2500	15.5	31.3	38.6	57.0	67.0	72.0	80.3	82.6	83.0	84.4	84.4	84.4	85.3	85.3	86.1	86.6
GE 2000	16.6	33.1	40.4	59.9	70.0	75.1	83.4	85.7	86.2	87.6	87.6	87.6	88.5	88.5	89.4	89.8
GE 1800	16.7	33.2	40.6	60.1	70.2	75.3	83.8	86.1	86.7	88.1	88.1	88.1	88.9	88.9	89.8	90.2
GE 1500	16.7	33.7	41.2	60.6	70.8	76.0	84.5	87.0	87.5	88.9	88.9	88.9	89.8	89.8	90.6	91.1
GE 1200	16.7	33.7	41.2	60.6	70.8	76.0	84.6	87.3	87.8	89.2	89.2	89.2	90.1	90.1	91.0	91.4
GE 1000	16.8	34.0	41.6	61.1	71.2	76.5	85.1	87.8	88.4	89.9	89.9	89.9	90.8	90.8	91.6	92.0
GE 900	16.8	34.0	41.6	61.1	71.3	76.6	85.3	88.1	88.6	90.2	90.2	90.2	91.1	91.1	91.9	92.4
GE 800	16.8	34.0	41.6	61.2	71.4	76.8	85.5	88.3	88.8	90.4	90.4	90.4	91.3	91.3	92.2	92.6
GE 700	16.8	34.0	41.7	61.3	71.5	77.0	85.9	88.7	89.2	90.9	90.9	90.9	91.7	91.7	92.6	93.0
GE 600	16.8	34.0	41.7	61.6	72.2	77.7	87.0	89.8	90.3	92.0	92.0	92.0	92.9	92.9	93.8	94.3
GE 500	16.8	34.3	42.2	62.5	73.0	78.9	88.2	91.1	91.6	93.3	93.3	93.3	94.2	94.2	95.2	95.7
GE 400	16.8	34.3	42.2	62.6	73.3	79.2	88.9	91.8	92.4	94.1	94.1	94.1	94.9	94.9	95.9	96.5
GE 300	16.8	34.3	42.3	62.8	73.7	79.7	89.6	92.6	93.1	95.2	95.2	95.2	96.2	96.2	97.4	98.0
GE 200	16.8	34.3	42.3	62.8	73.7	79.7	89.6	92.6	93.1	95.5	95.6	95.6	96.9	96.9	98.2	98.9
GE 100	16.8	34.3	42.3	62.8	73.7	79.7	89.6	92.6	93.1	95.5	95.7	95.7	97.1	97.1	98.4	99.1
GE 0	16.8	34.3	42.3	62.8	73.7	79.7	89.6	92.6	93.1	95.5	95.7	95.7	97.2	97.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	14.6	27.6	34.3	44.3	52.3	52.9	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 20000	16.2	30.5	38.0	49.0	58.2	58.8	60.6	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 18000	16.2	30.5	38.0	49.0	58.2	58.8	60.6	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 16000	16.2	30.5	38.0	49.0	58.2	58.8	60.6	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 14000	16.2	30.6	38.1	49.1	58.3	58.9	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	16.8	31.6	39.0	50.2	59.7	60.3	62.3	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 10000	17.2	32.3	39.8	51.1	61.1	61.7	63.7	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	17.4	32.7	40.3	51.7	61.7	62.4	64.3	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	18.1	33.4	41.4	52.8	62.8	63.4	65.4	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	18.9	35.1	43.3	55.1	65.3	65.9	68.2	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 6000	19.8	36.5	44.7	57.1	67.4	68.1	70.3	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 5000	20.4	38.4	47.2	60.1	70.5	71.2	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	21.5	39.9	49.2	62.4	72.9	73.5	75.9	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 4000	21.8	41.1	50.6	64.3	75.1	75.7	78.1	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	22.3	42.2	51.8	65.5	76.2	76.9	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000	22.8	43.5	53.3	67.3	78.2	78.8	81.6	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500	23.9	45.7	55.8	70.0	80.9	81.5	84.4	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 2000	24.9	48.5	59.1	73.9	85.1	85.8	88.8	89.4	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1800	25.5	49.6	60.3	75.3	86.6	87.3	90.3	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1500	25.9	50.3	61.3	76.3	88.0	88.8	91.8	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1200	25.9	51.0	61.9	77.4	89.4	90.3	93.4	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1000	25.9	51.2	62.4	78.0	90.2	91.3	94.4	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	26.0	51.8	63.1	79.0	91.3	92.4	95.5	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	26.0	51.9	63.2	79.1	91.4	92.6	95.8	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	26.0	51.9	63.3	79.2	91.5	92.7	96.0	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 600	26.1	52.4	63.8	79.9	92.3	93.5	97.1	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	96.3
GE 500	26.1	52.4	63.8	79.9	92.3	93.7	97.4	98.4	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 400	26.1	52.5	64.0	80.1	92.6	94.0	98.0	98.9	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 300	26.1	52.5	64.0	80.1	92.6	94.0	98.1	99.1	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 200	26.1	52.5	64.0	80.1	92.6	94.0	98.1	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	26.1	52.5	64.0	80.1	92.6	94.0	98.1	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 0	26.1	52.5	64.0	80.1	92.6	94.0	98.1	99.1	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.8	37.2	43.9	52.4	56.5	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0
GE 20000	22.5	41.6	48.8	58.0	62.8	62.9	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7
GE 18000	22.5	41.6	48.8	58.0	62.8	62.9	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7
GE 16000	22.5	41.6	48.8	58.0	62.8	62.9	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7
GE 14000	22.6	41.7	48.9	58.1	62.9	63.0	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8
GE 12000	23.4	43.3	50.6	59.8	64.8	65.1	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9
GE 10000	23.9	44.4	52.0	61.7	67.3	67.5	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4
GE 9000	24.2	44.8	52.5	62.2	67.7	68.0	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8
GE 8000	24.7	46.0	54.0	64.1	69.8	70.0	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9
GE 7000	25.4	47.6	55.8	66.0	71.8	72.0	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9
GE 6000	26.1	49.0	57.3	67.6	73.4	73.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5
GE 5000	27.2	51.1	59.6	70.2	76.0	76.2	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2
GE 4500	28.3	52.6	61.1	71.9	77.7	78.0	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9
GE 4000	29.0	54.2	62.8	73.7	79.6	79.8	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8
GE 3500	30.2	56.6	65.3	76.2	82.2	82.4	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3
GE 3000	31.4	58.7	68.0	79.2	85.2	85.5	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5
GE 2500	33.4	61.9	71.5	83.1	89.5	90.0	90.8	90.9	90.9	90.9	91.0	91.0	91.0	91.1	91.1	91.1
GE 2000	35.8	65.3	75.4	87.7	94.1	94.9	95.7	95.8	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0
GE 1800	36.0	65.6	75.7	88.4	94.7	95.6	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.7
GE 1500	36.0	65.9	76.2	88.9	95.4	96.2	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4
GE 1200	36.2	66.5	76.8	89.7	96.1	97.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3
GE 1000	36.5	66.9	77.2	90.1	96.6	97.4	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8
GE 900	36.5	67.0	77.3	90.3	96.8	97.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1
GE 800	36.5	67.0	77.4	90.4	96.9	97.7	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2
GE 700	36.5	67.0	77.5	90.5	97.0	97.8	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4
GE 600	36.5	67.0	77.5	90.5	97.0	97.8	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6
GE 500	36.5	67.0	77.5	90.5	97.0	97.8	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9
GE 400	36.5	67.0	77.5	90.5	97.0	97.8	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9
GE 300	36.5	67.0	77.5	90.5	97.0	97.8	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9
GE 200	36.5	67.0	77.5	90.5	97.0	97.8	99.4	99.6	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0
GE 100	36.5	67.0	77.5	90.5	97.0	97.8	99.4	99.6	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0
GE 0	36.5	67.0	77.5	90.5	97.0	97.8	99.4	99.6	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.8	37.7	45.2	52.4	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 20000	27.0	45.6	53.8	62.0	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 18000	27.0	45.6	53.8	62.0	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 16000	27.0	45.6	53.8	62.0	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 14000	27.3	46.0	54.2	62.5	66.2	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 12000	27.8	46.8	55.1	63.7	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 10000	29.1	49.1	57.4	66.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 9000	30.1	50.5	58.9	67.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 8000	30.6	51.9	60.5	69.9	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 7000	31.9	54.0	62.6	72.3	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 6000	32.8	55.6	64.2	74.0	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 5000	34.0	58.0	66.9	77.0	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 4500	35.1	59.9	68.9	79.6	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4000	36.3	62.0	71.2	81.8	85.9	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3500	37.4	64.5	74.0	84.8	89.0	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3000	39.4	68.5	78.0	89.2	93.7	93.8	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
GE 2500	40.1	70.4	80.2	91.5	96.1	96.2	96.5	96.5	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	40.9	71.4	81.4	92.8	97.4	97.5	97.7	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	41.1	71.6	81.6	93.0	97.6	97.7	98.0	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	41.1	71.6	81.7	93.1	97.7	98.0	98.2	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	41.4	71.9	82.0	93.4	98.1	98.3	98.5	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	41.4	72.0	82.2	93.5	98.2	98.4	98.6	98.6	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2
GE 900	41.4	72.0	82.3	93.7	98.3	98.5	98.7	98.7	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 800	41.4	72.0	82.3	93.7	98.3	98.5	98.7	98.7	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 700	41.4	72.0	82.3	93.7	98.3	98.5	98.7	98.8	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.5
GE 600	41.4	72.0	82.4	93.9	98.5	98.7	98.9	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	41.4	72.0	82.4	93.9	98.5	98.7	98.9	99.0	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	41.4	72.0	82.4	93.9	98.7	98.9	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	41.4	72.0	82.4	93.9	98.7	98.9	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	41.4	72.0	82.4	93.9	98.7	98.9	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	41.4	72.0	82.4	93.9	98.7	98.9	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	41.4	72.0	82.4	93.9	98.7	98.9	99.1	99.2	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1800-2100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.4	39.4	46.6	52.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 20000	28.6	49.0	57.5	65.5	68.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 18000	28.6	49.0	57.5	65.5	68.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 16000	28.6	49.0	57.5	65.6	68.5	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 14000	29.0	49.8	58.3	66.5	69.5	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 12000	30.3	52.2	60.8	69.8	72.8	72.8	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 10000	31.3	54.5	63.3	72.9	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 9000	32.4	56.6	65.4	75.3	78.4	78.4	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 8000	33.9	58.9	67.8	78.0	81.1	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 7000	35.2	61.4	70.9	81.5	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000	35.7	62.4	71.9	82.6	85.9	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 5000	37.3	65.3	74.9	85.6	89.0	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4500	39.2	68.0	77.8	88.7	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 4000	39.8	68.9	79.0	89.9	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3500	40.5	70.3	80.4	91.3	94.7	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	41.6	72.2	82.5	93.5	97.1	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	41.8	72.5	82.8	94.0	97.5	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	42.0	72.9	83.2	94.5	98.1	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	42.0	72.9	83.3	94.6	98.2	98.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	42.0	72.9	83.3	94.6	98.2	98.3	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	42.2	73.0	83.5	94.8	98.4	98.5	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	42.3	73.3	83.9	95.2	98.7	98.8	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	42.3	73.3	83.9	95.2	98.7	98.8	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	42.3	73.3	83.9	95.2	98.7	98.8	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 0	42.3	73.3	83.9	95.2	98.7	98.8	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.9	39.8	47.7	56.7	58.5	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 20000	26.5	47.2	56.2	66.2	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 18000	26.5	47.2	56.2	66.2	68.6	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 16000	26.6	47.3	56.3	66.3	68.9	68.9	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 14000	26.8	47.6	56.8	66.8	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	27.3	49.2	58.4	68.9	71.5	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 10000	27.8	50.6	59.8	70.5	73.1	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 9000	29.0	53.7	63.2	74.1	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 8000	29.9	55.8	65.5	76.6	79.5	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 7000	31.1	58.7	68.7	80.4	83.3	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 6000	31.4	59.7	69.7	81.4	84.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 5000	32.9	62.2	72.6	84.8	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4500	34.5	65.2	75.8	88.4	91.6	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4000	35.3	66.6	77.4	90.1	93.3	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	35.7	67.7	78.8	91.6	94.8	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3000	36.0	68.6	79.9	92.8	96.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	36.1	69.4	80.8	93.8	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	36.1	69.6	81.0	94.1	98.4	98.4	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	36.2	69.7	81.1	94.3	98.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	36.2	69.7	81.1	94.3	98.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	36.2	69.7	81.1	94.3	98.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	36.2	69.7	81.1	94.3	98.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	36.2	69.7	81.1	94.3	98.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	36.2	69.7	81.1	94.3	98.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	36.2	69.7	81.1	94.3	98.6	98.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	36.2	69.7	81.3	94.5	98.8	98.8	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	36.2	69.8	81.4	94.6	98.9	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	36.2	69.8	81.4	94.6	98.9	98.9	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	36.2	69.8	81.5	94.7	99.0	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	36.2	69.8	81.5	94.7	99.0	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	36.2	69.8	81.5	94.7	99.0	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	36.2	69.8	81.5	94.7	99.0	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	17.7	33.1	40.5	50.1	53.8	54.4	55.8	56.1	56.2	56.5	56.5	56.5	56.7	56.7	56.9	57.0
GE 20000	20.6	38.4	46.5	57.3	61.9	62.5	64.0	64.4	64.5	64.7	64.8	64.8	65.0	65.0	65.2	65.3
GE 18000	20.6	38.4	46.5	57.3	61.9	62.5	64.1	64.4	64.5	64.8	64.8	64.8	65.0	65.1	65.2	65.3
GE 16000	20.6	38.4	46.6	57.4	62.0	62.6	64.2	64.5	64.6	64.8	64.9	64.9	65.1	65.1	65.3	65.4
GE 14000	20.8	38.7	46.9	57.7	62.4	63.0	64.6	64.9	65.0	65.3	65.3	65.3	65.5	65.6	65.7	65.8
GE 12000	21.4	39.8	48.0	59.1	63.9	64.5	66.2	66.5	66.6	66.9	66.9	66.9	67.1	67.2	67.3	67.4
GE 10000	22.0	41.2	49.6	61.1	66.1	66.7	68.4	68.8	68.9	69.1	69.2	69.2	69.4	69.4	69.7	69.7
GE 9000	22.7	42.8	51.4	63.2	68.3	69.0	70.6	71.1	71.2	71.5	71.5	71.5	71.8	71.8	72.0	72.1
GE 8000	23.3	44.0	52.7	64.7	69.9	70.6	72.2	72.7	72.8	73.1	73.1	73.1	73.4	73.4	73.6	73.7
GE 7000	24.2	45.9	55.0	67.4	72.7	73.4	75.1	75.6	75.7	76.0	76.0	76.0	76.3	76.3	76.5	76.6
GE 6000	24.6	47.0	56.1	68.7	74.0	74.7	76.5	76.9	77.1	77.4	77.4	77.4	77.6	77.7	77.9	77.9
GE 5000	25.6	49.1	58.5	71.7	77.1	77.8	79.7	80.1	80.2	80.5	80.6	80.6	80.8	80.8	81.0	81.1
GE 4500	26.8	51.0	60.8	74.3	79.8	80.5	82.4	82.9	83.0	83.3	83.3	83.4	83.6	83.6	83.8	83.9
GE 4000	27.4	52.5	62.4	76.0	81.6	82.3	84.2	84.7	84.8	85.2	85.2	85.2	85.5	85.5	85.7	85.8
GE 3500	28.1	54.0	64.1	77.9	83.5	84.3	86.3	86.7	86.9	87.2	87.2	87.2	87.5	87.5	87.7	87.8
GE 3000	28.9	55.8	66.0	80.3	86.0	86.9	89.0	89.5	89.6	90.0	90.0	90.0	90.3	90.3	90.5	90.6
GE 2500	29.7	57.3	67.6	82.2	88.2	89.1	91.3	91.9	92.0	92.3	92.4	92.4	92.7	92.7	92.9	93.0
GE 2000	30.4	58.6	69.2	84.2	90.3	91.2	93.5	94.0	94.2	94.6	94.6	94.6	94.9	94.9	95.1	95.2
GE 1800	30.6	58.9	69.5	84.6	90.7	91.7	94.0	94.5	94.7	95.0	95.1	95.1	95.4	95.4	95.6	95.7
GE 1500	30.6	59.2	69.9	85.0	91.2	92.2	94.5	95.0	95.2	95.6	95.6	95.7	95.9	96.0	96.2	96.2
GE 1200	30.7	59.4	70.1	85.4	91.6	92.6	95.0	95.5	95.7	96.1	96.2	96.2	96.4	96.5	96.7	96.7
GE 1000	30.8	59.6	70.3	85.6	91.9	92.9	95.3	95.9	96.0	96.5	96.5	96.5	96.8	96.8	97.0	97.1
GE 900	30.8	59.7	70.5	85.9	92.1	93.2	95.6	96.2	96.3	96.8	96.8	96.8	97.1	97.1	97.3	97.4
GE 800	30.8	59.8	70.5	86.0	92.2	93.3	95.7	96.3	96.5	96.9	96.9	97.0	97.2	97.3	97.5	97.5
GE 700	30.8	59.8	70.6	86.0	92.3	93.4	95.8	96.5	96.6	97.1	97.1	97.1	97.4	97.4	97.6	97.7
GE 600	30.8	59.8	70.7	86.2	92.6	93.7	96.3	96.9	97.1	97.6	97.6	97.6	97.9	97.9	98.1	98.2
GE 500	30.8	59.9	70.8	86.4	92.7	94.0	96.6	97.3	97.4	97.9	98.0	98.0	98.3	98.3	98.5	98.6
GE 400	30.8	59.9	70.8	86.5	92.9	94.1	96.8	97.5	97.7	98.1	98.2	98.2	98.5	98.6	98.8	98.9
GE 300	30.8	60.0	70.9	86.7	93.1	94.3	97.1	97.8	98.0	98.5	98.6	98.6	99.0	99.0	99.2	99.3
GE 200	30.8	60.0	70.9	86.7	93.1	94.3	97.1	97.8	98.1	98.7	98.8	98.8	99.3	99.3	99.6	99.7
GE 100	30.8	60.0	70.9	86.7	93.1	94.3	97.1	97.8	98.1	98.7	98.8	98.9	99.3	99.4	99.6	99.7
GE 0	30.8	60.0	70.9	86.7	93.1	94.3	97.1	97.8	98.1	98.7	98.8	98.9	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.7	39.9	47.0	55.6	60.2	60.2	60.9	61.0	61.0	61.1	61.1	61.1	61.5	61.5	61.7	61.7
GE 20000	22.4	41.5	48.8	57.8	62.5	62.5	63.1	63.2	63.2	63.3	63.3	63.3	63.8	63.8	64.0	64.0
GE 18000	22.4	41.5	48.8	57.8	62.5	62.5	63.1	63.2	63.2	63.3	63.3	63.3	63.8	63.8	64.0	64.0
GE 16000	22.4	41.5	48.8	57.8	62.5	62.5	63.1	63.2	63.2	63.3	63.3	63.3	63.8	63.8	64.0	64.0
GE 14000	22.4	41.8	49.4	58.4	63.0	63.0	63.7	63.8	63.8	63.9	63.9	63.9	64.3	64.3	64.5	64.5
GE 12000	22.7	42.9	50.6	59.7	64.4	64.4	65.1	65.2	65.2	65.3	65.3	65.3	65.8	65.8	66.0	66.0
GE 10000	23.3	44.2	51.9	61.3	66.0	66.0	66.7	67.0	67.0	67.1	67.1	67.1	67.6	67.6	67.8	67.8
GE 9000	23.4	44.9	52.8	62.6	67.7	67.7	68.4	68.7	68.7	68.9	68.9	68.9	69.5	69.5	69.7	69.7
GE 8000	23.5	45.5	53.8	63.9	69.0	69.0	69.7	70.0	70.0	70.2	70.2	70.2	70.8	70.8	71.0	71.0
GE 7000	24.7	47.7	56.7	67.2	72.6	72.6	73.2	73.5	73.5	73.8	73.8	73.8	74.3	74.3	74.5	74.5
GE 6000	25.5	48.9	58.3	69.1	74.8	74.8	75.5	75.8	75.8	76.0	76.0	76.0	76.6	76.6	76.8	76.8
GE 5000	27.5	52.7	62.4	74.2	80.1	80.1	80.8	81.2	81.2	81.4	81.4	81.4	81.9	81.9	82.2	82.2
GE 4500	28.5	55.7	65.8	78.8	85.2	85.2	85.8	86.2	86.2	86.5	86.5	86.5	87.0	87.0	87.2	87.2
GE 4000	28.6	56.5	66.9	80.3	86.8	86.8	87.4	87.8	87.8	88.1	88.1	88.1	88.6	88.6	88.8	88.8
GE 3500	29.4	58.0	68.9	82.7	89.2	89.2	89.9	90.3	90.3	90.5	90.5	90.5	91.1	91.1	91.3	91.3
GE 3000	30.1	60.0	71.3	85.6	92.5	92.5	93.1	93.5	93.5	93.8	93.8	93.8	94.3	94.3	94.5	94.5
GE 2500	30.3	60.8	72.3	87.1	94.0	94.0	94.6	95.1	95.1	95.3	95.3	95.3	95.8	95.8	96.0	96.0
GE 2000	30.6	61.5	73.0	88.1	94.9	94.9	95.6	96.0	96.0	96.2	96.2	96.2	96.8	96.8	97.0	97.0
GE 1800	30.6	61.5	73.0	88.1	94.9	94.9	95.6	96.0	96.0	96.2	96.2	96.2	96.8	96.8	97.0	97.0
GE 1500	30.8	61.9	73.4	88.6	95.6	95.6	96.2	96.7	96.7	96.9	96.9	96.9	97.4	97.4	97.6	97.6
GE 1200	30.9	62.2	73.7	88.8	95.8	95.8	96.5	96.9	96.9	97.1	97.1	97.1	97.6	97.6	97.8	97.8
GE 1000	30.9	62.4	73.9	89.0	96.0	96.0	96.7	97.1	97.1	97.3	97.3	97.3	98.0	98.0	98.2	98.2
GE 900	30.9	62.5	74.0	89.1	96.1	96.1	96.8	97.2	97.2	97.4	97.4	97.4	98.1	98.1	98.3	98.3
GE 800	30.9	62.5	74.0	89.1	96.1	96.1	96.8	97.2	97.2	97.4	97.4	97.4	98.1	98.1	98.3	98.3
GE 700	30.9	62.6	74.1	89.4	96.3	96.3	97.0	97.4	97.4	97.6	97.6	97.6	98.3	98.3	98.5	98.5
GE 600	30.9	62.6	74.1	89.5	96.5	96.5	97.1	97.5	97.5	97.7	97.7	97.7	98.4	98.4	98.6	98.6
GE 500	30.9	62.7	74.2	89.6	96.6	96.6	97.2	97.6	97.6	97.8	97.8	97.8	98.5	98.5	98.7	98.7
GE 400	30.9	62.8	74.3	89.8	97.0	97.0	97.6	98.1	98.1	98.3	98.3	98.3	98.9	98.9	99.1	99.1
GE 300	30.9	62.8	74.3	90.1	97.3	97.3	98.0	98.4	98.4	98.6	98.6	98.6	99.2	99.2	99.5	99.5
GE 200	30.9	62.8	74.3	90.1	97.3	97.3	98.1	98.6	98.6	98.8	98.8	98.8	99.5	99.5	99.7	99.7
GE 100	30.9	62.8	74.3	90.1	97.3	97.3	98.1	98.6	98.6	98.8	98.8	98.8	99.6	99.6	99.8	99.9
GE 0	30.9	62.8	74.3	90.1	97.3	97.3	98.1	98.6	98.6	98.8	98.8	98.8	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.9	29.4	34.2	43.3	48.3	48.5	51.1	51.6	51.9	52.4	52.4	52.4	53.1	53.1	54.6	55.1
GE 20000	14.0	31.2	36.1	46.0	51.1	51.3	53.9	54.4	54.7	55.2	55.2	55.2	55.9	55.9	57.4	57.8
GE 18000	14.0	31.2	36.1	46.0	51.1	51.3	53.9	54.4	54.7	55.2	55.2	55.2	55.9	55.9	57.4	57.8
GE 16000	14.0	31.2	36.1	46.0	51.1	51.3	53.9	54.4	54.7	55.2	55.2	55.2	55.9	55.9	57.4	57.8
GE 14000	14.0	31.4	36.6	46.6	51.6	51.8	54.4	54.9	55.3	55.7	55.7	55.7	56.5	56.5	58.0	58.4
GE 12000	14.0	31.6	36.9	46.9	51.9	52.2	54.7	55.4	55.7	56.1	56.1	56.1	56.9	56.9	58.5	58.9
GE 10000	14.4	33.2	38.7	48.8	54.0	54.2	56.9	57.6	58.0	58.5	58.5	58.5	59.2	59.2	60.9	61.3
GE 9000	14.5	34.0	39.7	49.9	55.5	55.7	58.4	59.1	59.5	60.0	60.0	60.0	60.8	60.8	62.4	62.8
GE 8000	14.5	34.4	40.4	50.9	56.5	56.7	59.4	60.1	60.4	61.0	61.0	61.0	61.7	61.7	63.3	63.8
GE 7000	15.3	36.0	42.5	53.1	58.7	58.9	61.7	62.7	63.0	63.5	63.5	63.5	64.3	64.3	65.9	66.3
GE 6000	15.7	37.3	43.9	55.6	61.3	61.5	64.3	65.4	65.7	66.2	66.2	66.2	67.0	67.0	68.6	69.0
GE 5000	17.4	40.4	47.8	60.2	66.1	66.3	69.1	70.2	73.5	71.1	71.1	71.1	71.8	71.8	73.4	73.9
GE 4500	19.4	43.7	51.5	64.2	70.1	70.3	73.1	74.2	74.5	75.1	75.1	75.1	75.8	75.8	77.4	77.8
GE 4000	19.8	44.8	53.2	66.3	72.7	72.9	75.7	76.9	77.2	77.7	77.7	77.7	78.5	78.5	80.1	80.5
GE 3500	20.1	45.8	55.3	69.1	75.5	75.7	78.5	79.7	80.0	80.5	80.5	80.5	81.3	81.3	82.9	83.3
GE 3000	21.4	48.5	58.7	73.1	80.4	80.6	83.5	84.7	85.1	85.6	85.6	85.6	86.3	86.3	88.0	88.4
GE 2500	21.6	49.4	59.6	74.3	81.7	81.9	84.8	86.0	86.3	86.9	86.9	86.9	87.6	87.6	89.2	89.7
GE 2000	21.6	50.3	61.1	75.9	83.3	83.5	86.6	87.7	88.1	88.6	88.6	88.6	89.5	89.5	91.1	91.5
GE 1800	21.6	50.3	61.3	76.1	83.5	83.8	86.8	88.0	88.3	88.8	88.8	88.8	89.8	89.8	91.4	91.8
GE 1500	21.6	50.5	61.6	76.5	83.9	84.1	87.1	88.3	88.6	89.1	89.1	89.1	90.1	90.1	91.7	92.2
GE 1200	21.6	51.0	62.0	76.9	84.3	84.5	87.5	88.9	89.2	89.8	89.8	89.8	90.8	90.8	92.4	92.8
GE 1000	21.6	51.1	62.2	77.1	84.5	84.7	87.7	89.1	89.5	90.0	90.0	90.0	91.0	91.0	92.6	93.0
GE 900	21.6	51.1	62.2	77.2	84.6	84.8	87.8	89.2	89.6	90.1	90.1	90.1	91.1	91.1	92.8	93.2
GE 800	21.6	51.2	62.3	77.3	84.7	84.9	88.0	89.4	89.7	90.2	90.2	90.2	91.2	91.2	92.9	93.3
GE 700	21.6	51.5	62.6	77.6	85.4	85.6	88.6	90.0	90.3	90.9	90.9	90.9	91.8	91.8	93.5	94.0
GE 600	21.6	51.5	62.6	78.0	85.8	86.0	89.0	90.4	90.9	91.4	91.4	91.4	92.4	92.4	94.1	94.5
GE 500	21.6	51.5	62.6	78.2	86.0	86.2	89.2	90.6	91.1	91.6	91.6	91.6	92.6	92.6	94.3	94.7
GE 400	21.6	51.8	63.0	79.0	87.1	87.3	90.3	91.7	92.2	92.7	92.7	92.7	93.7	93.7	95.4	95.8
GE 300	21.6	51.9	63.2	79.4	87.7	88.0	91.0	92.4	92.8	93.3	93.3	93.3	94.3	94.3	96.0	96.5
GE 200	21.6	51.9	63.3	79.6	88.2	88.4	91.4	92.9	93.3	94.2	94.2	94.2	95.6	95.6	97.4	97.8
GE 100	21.6	51.9	63.3	79.6	88.2	88.4	91.4	92.9	93.4	94.4	94.4	94.4	96.3	96.3	98.4	99.1
GE 0	21.6	51.9	63.3	79.6	88.2	88.4	91.5	93.0	93.5	94.5	94.5	94.5	96.5	96.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	6.8	14.6	17.1	24.2	31.3	34.2	39.9	42.4	42.8	45.1	45.4	45.4	46.8	46.9	48.0	48.2
GE 20000	8.3	16.6	19.1	26.7	34.4	38.0	44.2	46.7	47.1	49.7	50.0	50.0	51.5	51.6	52.7	52.9
GE 18000	8.3	16.6	19.1	26.7	34.4	38.0	44.2	46.7	47.1	49.7	50.0	50.0	51.5	51.6	52.7	52.9
GE 16000	8.3	16.6	19.1	26.7	34.4	38.0	44.2	46.7	47.1	49.7	50.0	50.0	51.5	51.6	52.7	52.9
GE 14000	8.3	16.7	19.2	26.8	34.5	38.1	44.3	46.8	47.2	49.8	50.1	50.1	51.6	51.7	52.8	53.0
GE 12000	9.8	17.5	20.3	27.8	35.8	39.4	45.6	48.1	48.5	51.1	51.4	51.4	52.9	53.0	54.1	54.3
GE 10000	9.9	19.0	22.0	29.7	38.0	41.6	48.0	50.4	50.9	53.5	53.9	53.9	55.4	55.5	56.7	56.9
GE 9000	10.0	19.1	22.2	30.4	38.8	42.9	49.5	52.3	52.9	55.6	55.9	55.9	57.4	57.5	58.7	58.9
GE 8000	10.1	19.6	22.9	31.3	39.9	44.0	50.5	53.3	54.0	56.7	57.0	57.0	58.5	58.6	59.9	60.2
GE 7000	10.3	20.2	23.9	32.9	42.0	46.2	53.1	55.9	56.6	59.7	60.0	60.0	61.5	61.6	62.9	63.2
GE 6000	10.8	20.9	24.6	34.0	43.7	47.8	54.8	57.6	58.3	61.4	61.7	61.7	63.2	63.3	64.6	64.9
GE 5000	11.9	23.1	27.2	37.4	47.6	51.9	59.0	61.8	62.5	65.7	66.0	66.0	67.5	67.6	68.9	69.2
GE 4500	12.7	24.6	29.1	39.8	50.5	54.8	62.4	65.4	66.0	69.2	69.6	69.6	71.2	71.3	72.6	72.9
GE 4000	13.5	25.8	30.8	41.9	53.0	57.5	65.4	68.4	69.0	72.4	72.7	72.7	74.3	74.4	75.7	76.0
GE 3500	14.0	26.9	31.9	43.2	54.5	59.5	67.3	70.5	71.2	74.6	74.9	74.9	76.6	76.7	78.0	78.3
GE 3000	14.7	28.3	33.4	45.3	57.1	62.5	70.5	73.8	74.4	78.0	78.4	78.4	80.0	80.1	81.4	81.7
GE 2500	14.9	28.9	34.4	46.8	58.8	64.3	72.7	76.0	76.7	80.3	80.4	80.8	82.4	82.5	83.8	84.1
GE 2000	15.1	29.8	35.9	48.6	60.8	66.2	75.1	78.7	79.4	83.0	83.4	83.4	85.1	85.2	86.5	86.8
GE 1800	15.1	30.3	36.5	49.4	61.5	67.0	75.8	79.5	80.1	83.8	84.2	84.2	85.8	85.9	87.2	87.5
GE 1500	15.2	30.6	36.8	49.8	61.9	67.4	76.2	80.0	80.6	84.3	84.7	84.7	86.3	86.5	87.7	88.1
GE 1200	15.2	30.6	36.8	50.0	62.7	68.2	77.0	80.8	81.4	85.2	85.6	85.6	87.3	87.4	88.7	89.0
GE 1000	15.2	30.6	36.8	50.1	62.9	68.4	77.3	81.2	81.8	85.7	86.1	86.1	87.8	88.0	89.2	89.6
GE 900	15.2	30.6	36.8	50.1	63.0	68.5	77.8	81.7	82.4	86.2	86.7	86.7	88.4	88.5	89.9	90.2
GE 800	15.2	30.6	36.8	50.1	63.0	68.5	78.0	81.8	82.5	86.5	86.9	86.9	88.6	88.7	90.1	90.4
GE 700	15.2	30.8	36.9	50.2	63.3	69.0	78.7	82.7	83.3	87.3	87.7	87.7	89.5	89.6	91.0	91.3
GE 600	15.2	30.8	36.9	50.2	63.7	69.4	79.6	83.5	84.2	88.2	88.6	88.6	90.3	90.4	91.8	92.2
GE 500	15.2	30.8	36.9	50.2	63.8	69.5	80.0	84.2	84.8	88.8	89.2	89.2	91.0	91.1	92.5	92.8
GE 400	15.2	30.9	37.1	50.4	64.1	69.9	80.8	84.9	85.6	89.6	90.1	90.1	91.8	91.9	93.4	93.8
GE 300	15.2	30.9	37.1	50.5	64.3	70.2	81.2	85.4	86.0	90.0	90.6	90.6	92.7	92.8	94.3	94.8
GE 200	15.2	31.0	37.2	50.6	64.4	70.3	81.7	85.9	86.7	91.0	91.7	91.7	94.0	94.1	95.9	96.9
GE 100	15.2	31.0	37.2	50.6	64.4	70.3	81.7	85.9	86.7	91.0	91.9	91.9	94.7	94.8	97.3	98.6
GE 0	15.2	31.0	37.2	50.6	64.4	70.3	81.7	85.9	86.7	91.0	91.9	91.9	94.7	94.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	14.4	25.3	29.2	35.9	45.4	47.0	49.5	53.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 20000	15.7	28.2	32.3	39.9	49.6	51.2	53.7	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 18000	15.7	28.2	32.3	39.9	49.6	51.2	53.7	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	15.7	28.2	32.3	39.9	49.6	51.2	53.7	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 14000	15.7	28.4	32.5	40.1	49.8	51.4	53.9	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 12000	16.6	29.9	34.0	41.8	51.5	53.1	55.6	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 10000	17.6	31.4	35.7	44.1	54.5	56.1	58.6	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 9000	17.7	31.9	36.7	45.5	56.0	57.6	60.2	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	17.8	32.9	37.8	47.0	57.7	59.6	62.3	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 7000	18.3	33.8	39.0	48.3	59.1	61.0	63.8	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 6000	18.8	34.8	40.2	49.6	60.5	62.6	65.4	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 5000	20.4	37.8	43.4	53.3	64.8	67.1	70.3	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4500	20.9	39.5	45.4	55.7	68.0	70.3	74.1	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4000	21.3	40.6	46.7	57.2	69.8	72.2	76.1	77.2	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3500	22.4	42.7	48.9	60.4	73.1	75.5	79.6	80.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3000	22.8	44.0	50.5	62.4	75.6	78.1	82.3	83.3	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	22.9	44.6	51.4	63.9	77.3	79.8	84.3	85.4	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 2000	23.4	45.8	52.8	65.9	79.6	82.4	87.0	88.4	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1800	23.4	45.9	53.0	66.2	80.1	82.9	87.5	88.9	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1500	23.4	47.1	54.7	68.1	81.9	84.7	89.4	90.8	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1200	23.5	47.7	55.6	69.6	84.1	86.9	91.7	93.1	93.5	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000	23.7	48.0	55.9	70.1	84.9	87.7	92.6	94.0	94.4	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 900	23.9	48.2	56.2	70.4	85.3	88.3	93.1	94.6	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 800	24.0	48.3	56.6	70.8	85.8	88.9	93.9	95.4	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 700	24.1	48.4	56.7	71.2	86.2	89.4	94.5	96.1	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 600	24.1	48.5	56.8	71.4	86.6	89.7	94.9	96.6	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 500	24.2	48.6	56.9	71.5	86.8	90.0	95.3	97.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 400	24.2	48.6	57.0	71.6	87.0	90.2	96.0	98.1	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	24.2	48.6	57.0	71.6	87.1	90.3	96.3	98.5	98.9	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	24.2	48.6	57.0	71.6	87.1	90.3	96.3	98.5	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	24.2	48.6	57.0	71.6	87.1	90.3	96.3	98.5	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	24.2	48.6	57.0	71.6	87.1	90.3	96.3	98.5	98.9	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.4	38.7	44.3	49.9	55.8	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 20000	25.4	43.2	49.7	56.0	62.2	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 18000	25.4	43.2	49.7	56.0	62.2	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 16000	25.4	43.2	49.7	56.0	62.2	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 14000	25.4	43.2	49.7	56.0	62.2	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 12000	26.0	44.8	51.4	57.8	64.0	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 10000	28.1	47.2	54.2	61.4	68.0	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 9000	28.4	47.6	54.7	62.4	68.9	69.1	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 8000	28.7	48.8	56.0	63.7	70.3	70.5	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 7000	29.6	50.8	58.0	66.0	72.8	73.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 6000	30.2	51.7	59.1	67.5	74.4	74.6	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 5000	31.1	53.3	61.0	69.8	76.8	77.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4500	31.3	54.7	62.4	71.6	79.2	79.5	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4000	31.6	55.4	63.5	72.8	80.8	81.0	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3500	32.4	56.9	65.3	75.1	83.1	83.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3000	33.9	59.4	67.8	78.2	86.5	86.7	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2500	35.6	62.7	72.2	83.0	91.7	91.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	36.8	64.6	74.4	86.1	94.8	95.1	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	37.0	64.8	74.6	86.7	95.4	95.6	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	37.1	65.2	74.9	87.5	96.2	96.5	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	37.1	65.5	75.6	88.3	97.0	97.2	98.8	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	37.1	65.5	75.6	88.5	97.3	97.5	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	37.1	65.6	75.7	88.6	97.4	97.6	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	37.1	65.6	75.7	88.6	97.4	97.6	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	37.1	65.7	75.8	88.7	97.5	97.7	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	37.1	65.7	75.8	88.7	97.5	97.7	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	37.1	65.7	75.8	88.7	97.5	97.7	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	37.1	65.7	75.8	88.7	97.5	97.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	37.1	65.7	75.8	88.7	97.5	97.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	37.1	65.7	75.8	88.7	97.5	97.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	37.1	65.7	75.8	88.7	97.5	97.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	37.1	65.7	75.8	88.7	97.5	97.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	27.6	41.0	47.7	55.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 20000	32.0	47.4	55.4	64.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	32.2	47.6	55.6	64.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 16000	32.2	47.6	55.6	64.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 14000	32.3	47.7	55.8	64.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 12000	33.3	49.8	58.6	67.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	34.9	52.0	61.1	70.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 9000	35.3	53.4	62.5	72.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 8000	35.9	54.8	63.9	73.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 7000	37.0	56.8	66.1	75.9	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 6000	37.1	57.4	67.1	77.0	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 5000	38.4	59.2	69.0	79.4	84.3	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 4500	39.1	61.3	71.2	81.5	86.8	86.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	40.9	63.4	73.4	84.3	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3500	42.4	66.0	76.3	87.4	93.0	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	43.1	67.3	78.3	89.9	95.5	95.5	95.7	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	43.8	68.4	79.7	91.5	97.2	97.2	97.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	43.9	68.8	80.3	92.2	97.8	97.8	98.1	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	44.0	69.0	80.5	92.6	98.3	98.3	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	44.2	69.4	81.0	93.0	98.7	98.7	98.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	44.2	69.6	81.2	93.3	99.0	99.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	44.2	69.6	81.2	93.3	99.0	99.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	44.2	69.6	81.2	93.3	99.0	99.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	44.2	69.6	81.2	93.3	99.0	99.0	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	44.2	69.6	81.2	93.3	99.0	99.0	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	44.2	69.6	81.2	93.4	99.1	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	44.2	69.6	81.2	93.4	99.1	99.1	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	44.2	69.6	81.2	93.4	99.1	99.1	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	44.2	69.6	81.2	93.4	99.1	99.1	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	44.2	69.6	81.2	93.4	99.1	99.1	99.5	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	44.2	69.6	81.2	93.4	99.1	99.1	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	44.2	69.6	81.2	93.4	99.1	99.1	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1800-2100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.7	41.6	47.1	54.8	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 20000	35.6	51.3	57.4	66.5	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2
GE 18000	35.6	51.3	57.4	66.5	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2
GE 16000	35.6	51.3	57.4	66.5	70.0	70.0	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2
GE 14000	35.7	51.8	58.0	67.3	70.5	70.5	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8
GE 12000	36.8	53.5	59.9	69.1	72.7	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9
GE 10000	39.0	57.1	63.7	73.4	77.1	77.1	77.3	77.3	77.3	77.3	77.4	77.5	77.5	77.5	77.5	77.5
GE 9000	39.7	58.7	66.1	76.0	79.8	79.8	80.1	80.1	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3
GE 8000	40.1	59.5	67.1	77.3	81.2	81.2	81.5	81.5	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7
GE 7000	41.1	61.3	68.9	80.0	84.1	84.2	84.6	84.6	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8
GE 6000	41.8	62.5	70.1	81.4	85.5	85.6	86.0	86.0	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2
GE 5000	43.1	64.6	72.8	84.6	88.9	89.0	89.5	89.5	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7
GE 4500	44.2	66.6	74.8	87.0	91.5	91.6	92.0	92.0	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3
GE 4000	44.9	68.1	76.5	89.4	94.2	94.3	94.7	94.7	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9
GE 3500	45.1	68.9	77.3	90.8	95.7	95.8	96.2	96.2	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5
GE 3000	45.4	69.8	78.3	92.2	97.1	97.2	97.7	97.7	97.7	97.7	97.8	98.0	98.0	98.0	98.0	98.0
GE 2500	45.4	70.2	78.7	92.8	97.7	97.8	98.5	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7
GE 2000	45.5	70.4	79.1	93.3	98.3	98.4	99.0	99.0	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4
GE 1800	45.5	70.4	79.1	93.4	98.4	98.5	99.1	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5
GE 1500	45.5	70.4	79.1	93.4	98.5	98.6	99.2	99.2	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6
GE 1200	45.5	70.4	79.1	93.4	98.5	98.6	99.4	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 1000	45.5	70.4	79.1	93.4	98.5	98.6	99.4	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7
GE 900	45.5	70.4	79.1	93.5	98.6	98.7	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8
GE 800	45.5	70.4	79.1	93.5	98.6	98.7	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8
GE 700	45.5	70.4	79.1	93.7	98.7	98.8	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 600	45.5	70.4	79.1	93.7	98.7	98.8	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 500	45.5	70.4	79.1	93.7	98.7	98.8	99.6	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9
GE 400	45.5	70.4	79.1	93.7	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	45.5	70.4	79.1	93.7	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	45.5	70.4	79.1	93.7	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	45.5	70.4	79.1	93.7	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	45.5	70.4	79.1	93.7	98.7	98.8	99.7	99.7	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	26.5	42.5	48.0	56.0	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 20000	28.9	48.2	54.1	63.0	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 18000	28.9	48.2	54.1	63.0	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 16000	29.9	48.2	54.1	63.0	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 14000	29.0	48.6	54.5	63.8	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 12000	29.9	50.1	56.5	65.7	70.0	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 10000	30.2	51.4	58.1	67.5	71.8	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 9000	30.8	53.1	60.5	70.3	74.9	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 8000	31.2	54.3	61.8	72.0	76.8	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 7000	31.9	56.8	64.6	75.7	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 6000	32.5	57.8	65.9	77.0	81.9	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 5000	34.0	61.0	69.6	82.0	87.2	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 4500	35.4	63.7	72.6	86.1	91.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 4000	36.8	65.3	74.3	88.0	93.8	93.9	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3500	37.6	66.8	75.9	89.8	95.7	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	38.0	68.1	77.2	91.2	97.1	97.2	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	38.3	68.8	78.0	92.2	98.1	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	38.5	69.0	78.3	92.5	98.4	98.5	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	38.5	69.0	78.3	92.5	98.4	98.5	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	38.6	69.2	78.5	92.7	98.6	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	38.6	69.2	78.5	92.7	98.7	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	38.6	69.2	78.5	92.7	98.7	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	38.6	69.4	78.9	93.1	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	38.6	69.4	78.9	93.1	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	38.6	69.4	78.9	93.1	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	38.6	69.4	78.9	93.1	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	38.6	69.4	78.9	93.1	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	38.6	69.4	78.9	93.1	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	38.6	69.4	78.9	93.1	99.2	99.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	38.6	69.4	78.9	93.1	99.4	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	38.6	69.4	78.9	93.1	99.4	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	38.6	69.4	78.9	93.1	99.4	99.5	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	20.3	34.1	39.3	46.9	52.4	53.1	54.6	55.1	55.2	55.5	55.6	55.6	55.9	55.9	56.3	56.3
GE 20000	22.8	38.4	44.1	52.5	58.2	58.9	60.5	61.0	61.1	61.5	61.5	61.5	61.9	61.9	62.2	62.3
GE 18000	22.8	38.5	44.1	52.5	58.2	58.9	60.5	61.0	61.1	61.5	61.5	61.5	61.9	61.9	62.2	62.3
GE 16000	22.8	38.5	44.1	52.5	58.2	58.9	60.5	61.0	61.1	61.5	61.5	61.5	61.9	61.9	62.2	62.3
GE 14000	22.8	38.7	44.4	52.9	58.5	59.3	60.9	61.4	61.5	61.9	61.9	61.9	62.2	62.3	62.6	62.7
GE 12000	23.5	40.0	46.0	54.6	60.3	61.0	62.6	63.1	63.2	63.6	63.6	63.6	64.0	64.0	64.4	64.4
GE 10000	24.7	41.9	48.2	57.1	63.0	63.7	65.4	65.9	66.0	66.5	66.5	66.5	66.9	66.9	67.3	67.3
GE 9000	25.0	42.9	49.4	58.6	64.8	65.6	67.3	67.9	68.0	68.5	68.5	68.5	68.9	68.9	69.3	69.4
GE 8000	25.2	43.7	50.5	59.9	66.2	67.0	68.7	69.3	69.5	69.9	70.0	70.0	70.3	70.3	70.7	70.8
GE 7000	26.0	45.4	52.5	62.4	68.8	69.6	71.5	72.1	72.3	72.8	72.8	72.8	73.2	73.2	73.6	73.7
GE 6000	26.5	46.4	53.7	63.9	70.5	71.4	73.2	73.9	74.0	74.5	74.6	74.6	74.9	74.9	75.3	75.4
GE 5000	28.0	49.0	56.7	67.6	74.5	75.4	77.3	78.0	78.1	78.7	78.7	78.7	79.1	79.1	79.5	79.6
GE 4500	28.9	51.2	59.1	70.6	77.8	78.8	80.8	81.5	81.7	82.2	82.3	82.3	82.7	82.7	83.1	83.2
GE 4000	29.7	52.5	60.7	72.5	80.1	81.0	83.2	83.9	84.1	84.6	84.7	84.7	85.1	85.1	85.5	85.6
GE 3500	30.4	54.0	62.5	74.8	82.5	83.5	85.7	86.4	86.6	87.2	87.2	87.3	87.6	87.6	88.0	88.1
GE 3000	31.2	55.7	64.4	77.2	85.2	86.3	88.5	89.3	89.5	90.1	90.2	90.2	90.5	90.6	90.9	91.0
GE 2500	31.6	56.7	65.8	78.9	87.1	88.1	90.5	91.3	91.5	92.1	92.2	92.2	92.6	92.6	93.0	93.1
GE 2000	31.9	57.5	66.9	80.3	88.5	89.6	92.1	93.0	93.2	93.8	93.9	93.9	94.3	94.3	94.7	94.8
GE 1800	32.0	57.7	67.0	80.6	88.8	89.9	92.4	93.3	93.5	94.2	94.2	94.2	94.6	94.7	95.0	95.1
GE 1500	32.0	58.1	67.5	81.2	89.4	90.5	93.0	93.9	94.1	94.8	94.9	94.9	95.3	95.3	95.7	95.8
GE 1200	32.1	58.3	67.8	81.6	90.0	91.1	93.7	94.6	94.8	95.5	95.5	95.5	95.9	96.0	96.3	96.4
GE 1000	32.1	58.3	67.9	81.8	90.2	91.4	93.9	94.8	95.0	95.7	95.8	95.8	96.2	96.2	96.6	96.7
GE 900	32.1	58.4	68.0	81.9	90.4	91.5	94.2	95.1	95.3	96.0	96.0	96.1	96.5	96.5	96.9	97.0
GE 800	32.1	58.4	68.1	82.0	90.5	91.6	94.3	95.2	95.4	96.1	96.2	96.2	96.6	96.6	97.0	97.1
GE 700	32.1	58.5	68.2	82.2	90.7	91.9	94.6	95.6	95.8	96.5	96.5	96.5	97.0	97.0	97.4	97.5
GE 600	32.1	58.5	68.2	82.2	90.9	92.1	94.8	95.8	96.0	96.7	96.8	96.8	97.2	97.2	97.6	97.7
GE 500	32.2	58.6	68.2	82.3	91.0	92.2	95.0	96.0	96.2	96.9	97.0	97.0	97.4	97.4	97.8	97.9
GE 400	32.2	58.6	68.3	82.5	91.2	92.4	95.4	96.5	96.7	97.4	97.5	97.5	97.9	97.9	98.3	98.4
GE 300	32.2	58.7	68.3	82.6	91.4	92.6	95.6	96.7	96.9	97.6	97.7	97.8	98.2	98.2	98.7	98.8
GE 200	32.2	58.7	68.4	82.6	91.5	92.7	95.8	96.9	97.1	97.9	98.0	98.1	98.6	98.6	99.1	99.3
GE 100	32.2	58.7	68.4	82.6	91.5	92.7	95.8	96.9	97.1	98.0	98.1	98.1	98.8	98.8	99.4	99.7
GE 0	32.2	58.7	68.4	82.6	91.5	92.7	95.8	96.9	97.1	98.0	98.1	98.2	98.8	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0000-0.00

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.3	52.0	55.6	61.0	62.0	62.0	62.8	63.1	63.1	63.3	63.3	63.3	64.0	64.0	64.0	64.0
GE 20000	34.2	53.2	57.3	62.9	63.9	63.9	64.7	65.0	65.0	65.2	65.2	65.2	65.9	65.9	65.9	65.9
GE 18000	34.2	53.2	57.3	62.9	63.9	63.9	64.7	65.0	65.0	65.2	65.2	65.2	65.9	65.9	65.9	65.9
GE 16000	34.2	53.2	57.3	62.9	63.9	63.9	64.7	65.0	65.0	65.2	65.2	65.2	65.9	65.9	65.9	65.9
GE 14000	34.3	53.6	57.7	63.2	64.2	64.2	65.0	65.3	65.3	65.6	65.6	65.6	66.2	66.2	66.2	66.2
GE 12000	34.8	54.1	58.2	64.1	65.1	65.1	65.9	66.2	66.2	66.4	66.4	66.4	67.1	67.1	67.1	67.1
GE 10000	35.4	55.3	59.4	65.3	66.3	66.3	67.1	67.4	67.4	67.7	67.7	67.7	68.3	68.3	68.3	68.3
GE 9000	37.1	58.0	62.1	68.3	69.3	69.3	70.1	70.4	70.4	70.7	70.7	70.7	71.3	71.3	71.3	71.3
GE 8000	37.1	58.3	62.4	69.2	70.2	70.2	71.0	71.3	71.3	71.6	71.6	71.6	72.3	72.3	72.3	72.3
GE 7000	38.0	59.9	64.0	70.8	72.2	72.2	73.1	73.4	73.4	73.7	73.7	73.7	74.4	74.4	74.4	74.4
GE 6000	38.6	61.6	65.9	72.7	74.2	74.2	75.1	75.8	75.8	76.0	76.0	76.0	76.8	76.8	76.8	76.8
GE 5000	40.1	64.7	69.2	76.6	78.2	78.2	79.4	80.1	80.1	80.3	80.3	80.3	81.1	81.1	81.1	81.1
GE 4500	42.3	67.4	72.1	79.8	81.6	81.6	82.8	83.4	83.4	83.7	83.7	83.7	84.4	84.4	84.4	84.4
GE 4000	42.9	68.6	73.3	81.3	83.4	83.4	84.7	85.3	85.3	85.6	85.6	85.6	86.3	86.3	86.3	86.3
GE 3500	44.3	71.2	76.0	84.3	86.6	86.6	87.8	88.4	88.4	88.7	88.7	88.7	89.4	89.4	89.4	89.4
GE 3000	45.0	73.0	78.1	86.9	89.1	89.1	90.4	91.1	91.1	91.3	91.3	91.3	92.1	92.1	92.1	92.1
GE 2500	45.2	74.3	79.6	88.4	90.9	90.9	92.2	92.9	92.9	93.1	93.1	93.1	94.0	94.0	94.0	94.0
GE 2000	45.9	75.6	80.8	89.8	92.3	92.3	93.7	94.3	94.3	94.6	94.6	94.6	95.4	95.4	95.4	95.4
GE 1800	46.1	76.1	81.3	90.3	92.9	92.9	94.2	94.9	94.9	95.1	95.1	95.1	96.0	96.0	96.0	96.0
GE 1500	46.2	76.4	81.7	90.7	93.2	93.2	94.6	95.2	95.2	95.4	95.4	95.4	96.3	96.3	96.4	96.4
GE 1200	46.2	76.9	82.1	91.1	93.7	93.7	95.0	95.7	95.7	95.9	95.9	95.9	96.8	96.8	96.9	96.9
GE 1000	46.3	77.2	82.6	91.7	94.2	94.2	95.6	96.2	96.2	96.4	96.4	96.4	97.3	97.3	97.4	97.4
GE 900	46.3	77.3	82.7	91.8	94.3	94.3	95.7	96.3	96.3	96.6	96.6	96.6	97.4	97.4	97.6	97.6
GE 800	46.3	77.3	82.7	91.9	94.4	94.4	95.8	96.4	96.4	96.7	96.7	96.7	97.6	97.6	97.7	97.7
GE 700	46.3	77.3	82.7	91.9	94.4	94.6	95.9	96.8	96.8	97.0	97.0	97.0	97.9	97.9	98.0	98.0
GE 600	46.3	77.3	82.7	91.9	94.4	94.6	95.9	96.8	96.8	97.0	97.0	97.0	97.9	97.9	98.0	98.0
GE 500	46.4	77.4	82.9	92.1	94.7	94.8	96.1	97.0	97.0	97.2	97.2	97.2	98.1	98.1	98.2	98.2
GE 400	46.4	77.4	82.9	92.1	94.7	94.9	96.2	97.1	97.1	97.3	97.3	97.3	98.2	98.2	98.3	98.3
GE 300	46.4	77.4	82.9	92.1	94.7	95.1	96.7	97.6	97.6	97.8	97.8	97.8	98.7	98.7	98.8	98.8
GE 200	46.4	77.7	83.1	92.3	94.9	95.3	96.9	97.8	97.8	98.3	98.3	98.3	99.2	99.2	99.3	99.3
GE 100	46.4	77.7	83.1	92.3	94.9	95.3	96.9	97.9	98.1	98.7	98.7	98.7	99.6	99.6	99.9	99.9
GE 0	46.4	77.7	83.1	92.3	94.9	95.3	96.9	97.9	98.1	98.7	98.7	98.7	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.7	41.6	47.1	53.6	55.8	55.8	57.9	58.4	58.7	60.1	60.2	60.2	61.3	61.3	61.4	61.6
GE 20000	23.7	43.4	49.3	55.9	58.1	58.1	60.2	60.8	61.0	62.4	62.6	62.6	63.7	63.7	63.8	63.9
GE 18000	23.7	43.4	49.3	55.9	58.1	58.1	60.2	60.8	61.0	62.4	62.6	62.6	63.7	63.7	63.8	63.9
GE 16000	23.7	43.4	49.3	55.9	58.1	58.1	60.2	60.8	61.0	62.4	62.6	62.6	63.7	63.7	63.8	63.9
GE 14000	23.8	43.6	49.4	56.0	58.2	58.2	60.3	60.9	61.1	62.6	62.7	62.7	63.8	63.8	63.9	64.0
GE 12000	23.9	44.0	49.9	56.4	58.7	58.7	60.8	61.3	61.6	63.0	63.1	63.1	64.2	64.2	64.3	64.4
GE 10000	24.9	46.8	52.7	59.3	61.6	61.6	63.7	64.2	64.4	65.9	66.0	66.0	67.1	67.1	67.2	67.3
GE 9000	25.4	47.8	53.8	60.7	62.9	62.9	65.0	65.6	65.8	67.2	67.3	67.3	68.4	68.4	68.6	68.7
GE 8000	25.7	48.7	54.7	61.6	63.8	63.8	65.9	66.4	66.7	68.1	68.2	68.2	69.3	69.3	69.4	69.6
GE 7000	26.9	51.1	57.4	64.3	66.8	66.8	68.9	69.4	69.7	71.1	71.2	71.2	72.3	72.3	72.4	72.6
GE 6000	27.2	52.3	58.8	66.0	68.7	68.7	70.9	71.4	71.7	73.1	73.2	73.2	74.3	74.3	74.4	74.6
GE 5000	28.1	53.7	60.2	68.1	70.8	70.8	73.2	74.2	74.4	75.9	76.0	76.0	77.1	77.1	77.2	77.3
GE 4500	29.7	56.2	63.1	71.2	73.9	73.9	76.3	77.6	77.8	79.2	79.3	79.3	80.4	80.4	80.6	80.7
GE 4000	30.3	57.7	64.9	73.6	76.3	76.3	79.0	80.2	80.4	81.9	82.0	82.0	83.1	83.1	83.2	83.3
GE 3500	31.3	59.4	66.8	75.9	78.7	78.7	81.4	82.7	82.9	84.3	84.4	84.4	85.6	85.6	85.7	85.8
GE 3000	32.2	61.9	70.0	79.1	81.9	81.9	84.7	86.0	86.2	87.7	87.8	87.8	88.9	88.9	89.0	89.1
GE 2500	32.3	62.6	70.9	80.0	82.9	82.9	85.7	87.1	87.3	88.8	88.9	88.9	90.0	90.0	90.1	90.2
GE 2000	32.3	63.9	72.4	81.8	84.9	84.9	87.7	89.2	89.4	91.0	91.1	91.1	92.2	92.2	92.3	92.4
GE 1800	32.4	64.1	72.7	82.0	85.1	85.1	87.9	89.4	89.7	91.2	91.3	91.3	92.6	92.6	92.7	92.8
GE 1500	32.7	64.8	73.4	83.0	86.1	86.1	88.9	90.4	90.7	92.2	92.3	92.3	93.6	93.6	93.7	93.8
GE 1200	32.9	65.0	73.7	83.2	86.3	86.3	89.1	90.8	91.0	92.7	92.8	92.8	94.0	94.0	94.1	94.2
GE 1000	32.9	65.0	73.8	83.7	86.8	86.8	89.6	91.2	91.4	93.1	93.2	93.2	94.4	94.4	94.6	94.7
GE 900	33.1	65.2	74.0	84.1	87.2	87.2	90.0	91.7	91.9	93.6	93.7	93.7	95.0	95.0	95.1	95.3
GE 800	33.1	65.3	74.1	84.3	87.4	87.4	90.2	91.9	92.1	93.8	93.9	93.9	95.2	95.2	95.3	95.6
GE 700	33.1	65.3	74.1	84.6	87.7	87.7	90.4	92.1	92.3	94.0	94.1	94.1	95.4	95.4	95.6	95.8
GE 600	33.1	65.3	74.1	84.9	88.0	88.2	91.0	92.7	92.9	94.6	94.7	94.7	96.0	96.0	96.1	96.3
GE 500	33.1	65.6	74.4	85.2	88.3	88.6	91.6	93.2	93.4	95.1	95.2	95.2	96.6	96.6	96.7	96.9
GE 400	33.1	65.6	74.4	85.3	88.4	88.8	92.1	93.8	94.0	95.7	95.8	95.9	97.2	97.2	97.3	97.6
GE 300	33.1	65.6	74.4	85.4	88.6	88.9	92.2	93.9	94.1	95.8	95.9	96.0	97.3	97.3	97.4	97.7
GE 200	33.1	65.6	74.4	85.4	88.6	88.9	92.2	93.9	94.1	96.1	96.2	96.3	97.7	97.7	97.8	98.0
GE 100	33.1	65.6	74.4	85.4	88.6	88.9	92.3	94.1	94.8	96.9	97.0	97.1	99.0	99.0	99.3	99.6
GE 0	33.1	65.6	74.4	85.4	88.6	88.9	92.3	94.1	94.8	96.9	97.0	97.1	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	12.0	22.7	25.9	35.2	39.8	41.7	46.4	47.0	47.0	48.0	48.2	48.2	50.0	50.0	50.8	51.2
GE 20000	13.1	24.6	28.3	38.4	43.2	45.2	50.3	51.0	51.0	52.2	52.4	52.4	54.6	54.6	55.3	55.6
GE 18000	13.1	24.6	28.3	38.4	43.2	45.2	50.3	51.0	51.0	52.2	52.4	52.4	54.6	54.6	55.3	55.8
GE 16000	13.1	24.6	28.3	38.4	43.2	45.2	50.3	51.0	51.0	52.2	52.4	52.4	54.6	54.6	55.3	55.8
GE 14000	13.1	24.6	28.3	38.4	43.2	45.2	50.3	51.0	51.0	52.2	52.4	52.4	54.6	54.6	55.3	55.8
GE 12000	13.3	25.0	28.8	39.1	44.1	46.2	51.4	52.1	52.1	53.4	53.7	53.7	55.8	55.8	56.6	57.0
GE 10000	14.0	26.7	30.6	41.4	46.4	48.6	53.8	54.4	54.4	55.8	56.0	56.0	58.1	58.1	58.9	59.3
GE 9000	14.6	28.0	32.0	43.1	48.1	50.2	55.6	56.2	56.2	57.6	57.8	57.8	60.0	60.0	60.8	61.2
GE 8000	15.0	28.7	32.9	44.2	49.3	51.4	56.8	57.4	57.4	58.8	59.0	59.0	61.2	61.2	62.0	62.6
GE 7000	15.9	30.3	34.6	46.1	51.3	53.6	59.2	60.0	60.0	61.3	61.6	61.6	63.8	63.8	64.6	65.1
GE 6000	16.4	32.1	36.4	48.1	53.8	56.0	62.0	62.8	62.8	64.2	64.4	64.4	66.7	66.7	67.6	68.1
GE 5000	17.2	33.8	38.2	50.2	56.1	58.4	64.9	65.8	65.8	67.2	67.4	67.4	69.8	69.8	70.7	71.2
GE 4500	18.1	35.8	40.6	52.9	59.0	61.4	68.1	69.2	69.2	70.8	71.0	71.0	73.4	73.4	74.3	74.9
GE 4000	18.8	36.8	41.8	54.6	60.8	63.3	70.3	71.4	71.4	73.0	73.2	73.2	75.7	75.7	76.6	77.1
GE 3500	20.0	38.0	43.2	56.2	62.8	65.3	72.7	73.9	73.9	75.6	75.8	75.8	78.2	78.2	79.1	79.7
GE 3000	20.9	39.6	44.9	58.1	65.0	67.7	75.4	77.0	77.0	78.7	78.9	78.9	81.3	81.3	82.3	82.9
GE 2500	21.1	40.6	45.9	59.6	66.4	69.2	77.3	78.9	78.9	80.8	81.0	81.0	83.6	83.6	84.6	85.1
GE 2000	21.7	42.1	47.4	61.3	68.7	71.4	79.7	81.4	81.4	83.3	83.6	83.6	86.1	86.1	87.1	87.7
GE 1800	21.8	42.4	47.8	61.8	69.2	72.0	80.2	82.0	82.0	83.9	84.1	84.1	86.7	86.7	87.7	88.2
GE 1500	22.2	43.2	48.6	62.6	70.0	72.8	81.0	82.8	82.8	84.8	85.0	85.0	87.6	87.6	88.6	89.1
GE 1200	22.6	43.7	49.0	63.2	70.8	73.7	82.1	84.0	84.0	86.0	86.2	86.2	88.8	88.8	89.8	90.3
GE 1000	22.6	43.8	49.1	63.4	71.0	73.9	82.6	84.4	84.4	86.6	86.8	86.6	89.3	89.3	90.3	90.9
GE 900	22.6	43.8	49.1	63.4	71.0	73.9	82.7	84.6	84.6	86.7	86.9	86.9	89.4	89.4	90.4	91.0
GE 800	22.6	43.8	49.1	63.4	71.0	73.9	82.8	84.7	84.7	86.8	87.0	87.0	89.6	89.6	90.6	91.1
GE 700	22.6	43.8	49.1	63.7	71.2	74.2	83.1	85.0	85.0	87.1	87.3	87.3	89.9	89.9	90.9	91.4
GE 600	22.6	43.8	49.1	63.8	71.4	74.6	83.8	85.9	85.9	88.0	88.2	88.2	90.8	90.8	91.8	92.3
GE 500	22.6	43.9	49.2	64.0	71.9	75.3	84.8	87.0	87.0	89.2	89.4	89.4	92.1	92.1	93.1	93.7
GE 400	22.6	44.1	49.4	64.2	72.6	76.1	85.6	88.0	88.0	90.3	90.6	90.6	93.3	93.3	94.3	94.9
GE 300	22.6	44.1	49.4	64.2	72.7	76.2	85.7	88.2	88.2	90.7	91.0	91.0	93.8	93.8	94.8	95.3
GE 200	22.6	44.1	49.4	64.2	72.7	76.2	85.9	88.6	88.6	91.2	91.8	91.8	95.1	95.1	96.4	97.1
GE 100	22.6	44.1	49.4	64.2	72.7	76.2	85.9	88.6	88.8	91.6	92.1	92.1	96.0	96.0	98.2	99.1
GE 0	22.6	44.1	49.4	64.2	72.7	76.2	85.9	88.6	88.8	91.6	92.1	92.1	96.0	96.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	19.4	36.1	39.9	45.8	50.1	51.6	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 20000	20.2	37.7	42.3	49.0	53.4	54.6	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	20.2	37.8	42.4	49.1	53.6	54.7	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	20.2	37.8	42.4	49.1	53.6	54.7	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	20.6	38.2	42.9	49.6	54.0	55.1	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 12000	21.2	39.7	44.4	51.2	55.9	57.0	58.8	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 10000	22.1	41.3	46.2	53.3	58.1	59.2	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 9000	22.7	42.4	47.4	54.6	59.4	60.6	62.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 8000	22.9	43.4	48.6	55.7	60.6	61.8	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 7000	23.7	44.9	50.2	57.3	62.3	63.7	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 6000	24.1	46.2	51.7	58.8	64.0	65.3	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 5000	24.4	47.4	53.0	60.2	65.8	67.1	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4500	25.0	49.1	54.7	62.1	68.1	69.6	72.1	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	25.3	49.9	55.4	62.9	69.0	70.4	73.0	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3500	25.8	50.8	56.7	64.3	70.9	72.3	74.9	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3000	26.9	52.3	59.3	67.1	74.3	76.0	78.8	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 2500	27.0	52.6	59.7	67.6	75.1	76.8	79.9	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 2000	29.0	55.0	62.2	70.3	78.1	80.0	83.1	84.3	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800	29.6	55.7	63.2	71.6	79.7	81.6	84.7	86.0	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1500	30.0	56.7	64.2	72.6	80.7	82.7	85.8	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	31.1	58.3	65.9	74.3	82.6	84.8	88.0	89.3	89.7	89.9	89.9	89.9	90.1	90.1	90.1	90.1
GE 1000	31.2	58.8	66.3	75.1	83.3	85.6	88.8	90.3	90.7	90.9	90.9	90.9	91.1	91.1	91.1	91.1
GE 900	31.6	59.1	66.7	75.9	84.4	86.7	90.0	91.6	91.9	92.1	92.1	92.1	92.3	92.3	92.3	92.3
GE 800	31.6	59.1	66.8	76.3	85.1	87.3	91.0	92.8	93.1	93.3	93.3	93.3	93.6	93.6	93.6	93.6
GE 700	31.6	59.3	67.0	76.9	86.0	88.2	92.0	93.8	94.1	94.3	94.3	94.3	94.6	94.6	94.6	94.6
GE 600	31.7	59.4	67.1	77.6	87.0	89.4	93.2	95.1	95.4	95.9	95.9	95.9	96.1	96.1	96.1	96.1
GE 500	31.7	59.4	67.1	77.7	87.2	89.8	93.8	96.0	96.3	96.8	96.8	96.8	97.1	97.1	97.1	97.1
GE 400	31.7	59.4	67.2	77.9	87.7	90.2	94.9	97.3	97.8	98.4	98.6	98.6	98.9	98.9	98.9	98.9
GE 300	31.7	59.4	67.2	77.9	87.9	90.4	95.3	97.8	98.3	99.0	99.1	99.1	99.4	99.4	99.6	99.6
GE 200	31.7	59.4	67.2	77.9	87.9	90.4	95.3	97.9	98.4	99.1	99.3	99.3	99.7	99.7	99.8	99.8
GE 100	31.7	59.4	67.2	77.9	87.9	90.4	95.3	97.9	98.4	99.1	99.3	99.3	99.7	99.7	99.8	99.9
GE 0	31.7	59.4	67.2	77.9	87.9	90.4	95.3	97.9	98.4	99.1	99.3	99.3	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.2	48.8	52.2	54.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 20000	37.1	53.8	57.4	59.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	37.1	53.8	57.4	59.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	37.1	53.8	57.4	59.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 14000	37.2	54.4	58.1	60.3	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 12000	38.3	56.2	60.1	62.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 10000	39.3	57.8	61.9	64.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 9000	40.0	58.8	63.0	65.7	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 8000	41.3	60.6	64.8	67.4	70.0	70.1	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 7000	41.8	61.4	66.0	68.7	71.2	71.3	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 6000	42.0	61.8	66.4	69.1	71.7	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 5000	43.0	64.2	69.1	71.9	74.4	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 4500	43.6	64.9	69.9	72.8	75.3	75.4	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 4000	44.8	66.4	71.7	74.7	77.2	77.3	77.7	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3500	45.8	68.1	73.8	76.8	79.3	79.8	80.2	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3000	47.0	70.2	76.4	79.6	82.2	82.7	83.1	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 2500	49.3	73.2	79.6	83.0	85.9	86.8	87.2	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000	51.6	76.0	82.6	86.1	89.2	90.2	90.7	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	52.3	77.3	84.2	88.1	91.2	92.3	92.8	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	52.7	78.0	85.0	89.1	92.3	93.4	93.9	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	52.9	78.9	86.0	90.1	93.3	94.4	95.0	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	53.2	79.4	86.6	90.8	94.0	95.1	95.7	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	53.2	79.6	86.7	90.9	94.3	95.4	96.0	96.3	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	53.4	80.1	87.2	91.6	95.1	96.2	96.8	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	53.4	80.3	87.4	91.9	95.4	96.6	97.1	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 600	53.4	80.4	87.6	92.3	96.0	97.1	97.9	98.6	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	53.4	80.4	87.6	92.3	96.0	97.1	97.9	98.8	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	53.4	80.4	87.6	92.3	96.1	97.2	98.1	99.0	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	53.4	80.4	87.6	92.3	96.2	97.3	98.2	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.4	80.4	87.6	92.3	96.2	97.3	98.2	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.4	80.4	87.6	92.3	96.2	97.3	98.2	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	53.4	80.4	87.6	92.3	96.2	97.3	98.2	99.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.1	50.6	53.1	55.9	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 20000	45.9	59.0	61.8	64.9	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 18000	45.9	59.0	61.8	64.9	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 16000	45.9	59.0	61.8	64.9	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 14000	46.0	59.2	62.0	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
GE 12000	47.0	60.6	63.4	66.6	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 10000	48.3	62.4	65.3	68.4	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 9000	48.7	63.2	66.2	69.3	70.1	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 8000	49.3	64.6	67.8	71.0	71.8	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 7000	50.7	66.7	70.2	73.4	74.2	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 6000	51.3	67.9	71.6	74.9	75.7	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 5000	52.6	70.7	74.6	78.3	79.1	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 4500	54.6	73.2	77.1	81.0	82.0	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4000	56.3	75.3	79.4	83.3	84.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3500	58.4	78.4	82.7	86.3	87.9	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3000	59.4	80.4	84.7	88.9	90.3	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2500	60.3	81.8	86.0	90.3	91.8	92.8	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2000	61.6	83.4	87.8	92.2	93.8	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	62.2	84.4	88.8	93.2	94.8	95.8	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	62.6	85.1	89.6	94.0	95.6	96.6	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	62.8	85.9	90.4	95.0	96.6	97.6	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	62.9	86.0	90.7	95.3	96.9	97.9	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	62.9	86.1	90.8	95.4	97.0	98.0	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	62.9	86.1	90.8	95.4	97.0	98.0	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	62.9	86.1	90.9	95.6	97.1	98.1	98.4	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	62.9	86.1	90.9	95.8	97.3	98.3	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	62.9	86.1	90.9	95.8	97.3	98.3	99.1	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	62.9	86.1	90.9	95.8	97.3	98.3	99.1	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	62.9	86.1	90.9	95.8	97.3	98.3	99.1	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	62.9	86.1	90.9	95.8	97.3	98.3	99.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	62.9	86.1	90.9	95.8	97.3	98.3	99.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	62.9	86.1	90.9	95.8	97.3	98.3	99.1	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.2	56.1	58.7	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 20000	50.2	64.3	67.0	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 18000	50.2	64.3	67.0	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 16000	50.2	64.3	67.0	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 14000	50.2	64.4	67.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 12000	50.9	65.0	67.9	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 10000	52.4	67.1	70.2	73.4	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 9000	53.0	68.4	71.6	74.8	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 8000	54.2	70.2	73.4	76.9	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 7000	54.9	71.3	74.5	78.1	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 6000	55.8	72.8	76.1	79.7	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 5000	56.7	75.6	78.8	82.9	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4500	58.4	78.6	82.0	86.1	87.3	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4000	58.8	79.6	83.0	87.2	88.4	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 3500	60.2	81.5	84.9	89.2	90.4	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 3000	60.9	82.5	86.1	90.6	91.9	92.4	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500	61.6	83.6	87.2	92.0	93.4	94.0	94.4	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	62.2	84.4	88.0	93.1	94.5	95.3	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	62.9	85.1	88.8	94.0	95.4	96.2	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	63.3	85.5	89.2	94.7	96.1	96.9	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	63.4	85.7	89.4	95.2	96.7	97.4	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	63.4	85.9	89.6	95.4	96.9	97.7	98.4	98.6	98.6	98.7	98.7	99.7	98.7	98.7	98.7	98.7
GE 900	63.4	85.9	89.6	95.4	97.0	97.8	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	63.4	85.9	89.6	95.4	97.0	97.8	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	63.4	86.0	89.8	95.5	97.1	97.9	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	63.4	86.1	89.9	95.7	97.4	98.2	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	63.4	86.1	89.9	95.7	97.4	98.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	63.4	86.1	89.9	95.7	97.4	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	63.4	86.1	89.9	95.7	97.4	98.2	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	63.4	86.1	89.9	95.7	97.4	98.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	63.4	86.1	89.9	95.7	97.4	98.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	63.4	86.1	89.9	95.7	97.4	98.2	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 2100-2330

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	40.5	54.8	58.0	61.9	62.1	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.7	62.7
GE 20000	44.6	60.0	63.2	67.1	67.3	67.4	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.9	67.9
GE 18000	44.7	60.1	63.3	67.2	67.4	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0
GE 16000	44.7	60.1	63.3	67.2	67.4	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0
GE 14000	44.7	60.1	63.3	67.2	67.4	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0
GE 12000	45.2	60.5	63.8	67.8	68.0	68.1	68.3	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.6	68.6
GE 10000	46.2	62.2	65.4	69.5	69.7	69.8	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.2	70.2
GE 9000	47.6	64.9	68.1	72.4	72.6	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1
GE 8000	48.4	66.3	69.6	73.9	74.1	74.2	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7
GE 7000	48.7	67.8	71.0	75.8	76.0	76.1	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.6	76.6
GE 6000	49.3	68.8	72.0	77.0	77.7	77.9	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.4	78.4
GE 5000	50.8	71.9	75.5	80.7	81.7	82.1	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.6
GE 4500	53.8	76.8	80.7	86.2	87.4	87.7	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.4
GE 4000	54.7	78.1	82.3	88.1	89.4	89.7	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4
GE 3500	55.9	79.7	83.8	90.0	91.3	91.6	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3
GE 3000	56.5	81.0	85.3	91.6	93.1	93.5	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.4	94.4
GE 2500	56.7	81.5	85.8	92.4	93.9	94.3	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.2	95.2
GE 2000	57.9	82.8	87.2	94.0	95.4	96.0	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.9	96.9
GE 1800	58.1	83.3	87.6	94.4	95.9	96.4	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 1500	58.2	83.4	87.7	94.5	96.0	96.5	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5
GE 1200	58.5	83.9	88.4	95.3	97.0	97.7	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8
GE 1000	58.6	84.1	88.5	95.4	97.1	97.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 900	58.6	84.1	88.5	95.4	97.1	97.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 800	58.6	84.2	88.6	95.7	97.3	98.0	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1
GE 700	58.6	84.3	88.7	95.8	97.5	98.2	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3
GE 600	58.6	84.3	88.7	95.8	97.8	98.4	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6
GE 500	58.6	84.3	88.7	95.8	97.9	98.6	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 400	58.6	84.3	88.7	95.8	97.9	98.6	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
GE 300	58.6	84.3	88.7	95.8	97.9	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	58.6	84.3	88.7	95.8	97.9	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	58.6	84.3	88.7	95.8	97.9	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 0	58.6	84.3	88.7	95.8	97.9	98.8	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.5	45.3	48.8	53.6	55.5	55.9	57.1	57.3	57.3	57.7	57.7	57.7	58.2	58.2	58.3	58.4
GE 20000	33.6	49.5	53.3	58.5	60.4	60.9	62.1	62.4	62.4	62.8	62.8	62.8	63.3	63.3	63.4	63.5
GE 18000	33.6	49.5	53.4	58.5	60.5	60.9	62.2	62.4	62.4	62.8	62.9	62.9	63.3	63.3	63.5	63.5
GE 16000	33.6	49.5	53.4	58.5	60.5	60.9	62.2	62.4	62.4	62.8	62.9	62.9	63.3	63.3	63.5	63.5
GE 14000	33.7	49.7	53.6	58.8	60.7	61.2	62.4	62.7	62.7	63.1	63.1	63.1	63.6	63.6	63.7	63.8
GE 12000	34.3	50.6	54.6	59.9	61.9	62.3	63.6	63.8	63.9	64.3	64.3	64.3	64.8	64.8	64.9	65.0
GE 10000	35.3	52.5	56.5	61.9	63.9	64.4	65.7	65.9	66.0	66.4	66.4	66.4	66.9	66.9	67.0	67.1
GE 9000	36.1	53.9	58.0	63.6	65.7	66.2	67.5	67.7	67.8	68.2	68.2	68.2	68.7	68.7	68.8	68.9
GE 8000	36.7	55.1	59.2	65.0	67.2	67.7	69.0	69.3	69.3	69.7	69.8	69.8	70.3	70.3	70.4	70.5
GE 7000	37.6	56.7	61.0	66.8	69.1	69.6	71.0	71.3	71.4	71.8	71.8	71.8	72.3	72.3	72.5	72.5
GE 6000	38.1	57.9	62.3	68.3	70.8	71.3	72.8	73.1	73.2	73.6	73.6	73.6	74.1	74.1	74.3	74.4
GE 5000	39.1	60.2	64.8	71.1	73.7	74.4	76.0	76.4	76.5	76.9	76.9	76.9	77.5	77.5	77.6	77.7
GE 4500	40.7	62.8	67.5	74.0	76.8	77.6	79.3	79.8	79.8	80.3	80.3	80.3	80.9	80.9	81.0	81.1
GE 4000	41.5	64.0	69.0	75.7	78.6	79.4	81.2	81.7	81.7	82.2	82.2	82.2	82.8	82.8	82.9	83.0
GE 3500	42.7	65.9	71.0	77.9	81.0	81.8	83.7	84.2	84.3	84.7	84.8	84.8	85.3	85.3	85.4	85.5
GE 3000	43.6	67.6	73.1	80.2	83.5	84.3	86.3	86.9	87.0	87.5	87.6	87.6	88.1	88.1	88.3	88.3
GE 2500	44.2	68.8	74.3	81.7	85.0	85.9	88.0	88.7	88.8	89.3	89.4	89.4	89.9	89.9	90.1	90.2
GE 2000	45.3	70.4	76.0	83.6	87.1	88.1	90.2	91.0	91.0	91.6	91.7	91.7	92.2	92.2	92.4	92.5
GE 1800	45.7	71.0	76.8	84.4	88.0	89.0	91.2	91.9	92.0	92.6	92.6	92.6	93.2	93.2	93.3	93.4
GE 1500	46.0	71.6	77.4	85.1	88.7	89.8	91.9	92.6	92.7	93.3	93.4	93.4	93.9	93.9	94.1	94.2
GE 1200	46.3	72.3	78.1	85.9	89.6	90.7	92.9	93.7	93.8	94.4	94.4	94.4	95.0	95.0	95.2	95.3
GE 1000	46.4	72.5	78.4	86.4	90.0	91.1	93.4	94.2	94.3	94.9	94.9	94.9	95.5	95.5	95.7	95.8
GE 900	46.4	72.6	78.5	86.5	90.3	91.4	93.7	94.5	94.6	95.2	95.2	95.2	95.9	95.9	96.0	96.1
GE 800	46.5	72.7	78.6	86.8	90.5	91.6	94.0	94.9	95.0	95.6	95.6	95.6	96.2	96.2	96.4	96.5
GE 700	46.5	72.8	78.7	87.0	90.8	91.9	94.3	95.2	95.3	95.9	96.0	96.0	96.6	96.6	96.7	96.8
GE 600	46.5	72.8	78.7	87.2	91.2	92.4	94.8	95.8	95.9	96.6	96.6	96.6	97.2	97.2	97.4	97.5
GE 500	46.5	72.9	78.8	87.3	91.3	92.6	95.2	96.3	96.4	97.1	97.2	97.2	97.8	97.8	98.0	98.1
GE 400	46.5	72.9	78.9	87.4	91.5	92.8	95.6	96.7	96.8	97.6	97.7	97.7	98.3	98.3	98.5	98.6
GE 300	46.5	72.9	78.9	87.4	91.6	92.9	95.8	96.9	97.0	97.8	97.9	97.9	98.6	98.6	98.8	98.9
GE 200	46.5	73.0	78.9	87.4	91.6	92.9	95.8	97.0	97.2	98.1	98.2	98.2	98.9	98.9	99.2	99.3
GE 100	46.5	73.0	78.9	87.4	91.6	92.9	95.9	97.1	97.3	98.2	98.4	98.4	99.3	99.3	99.7	99.8
GE 0	46.5	73.0	78.9	87.4	91.6	92.9	95.9	97.1	97.3	98.2	98.4	98.4	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.0	53.0	54.8	56.8	57.1	57.1	57.4	58.1	58.2	58.3	58.4	58.4	58.9	58.9	59.1	59.5
GE 20000	44.8	54.2	56.0	58.0	58.3	58.3	58.6	59.2	59.4	59.5	59.6	59.6	60.1	60.1	60.3	60.6
GE 18000	44.8	54.2	56.0	58.0	58.3	58.3	58.6	59.2	59.4	59.5	59.6	59.6	60.1	60.1	60.3	60.6
GE 16000	44.8	54.2	56.0	58.0	58.3	58.3	58.6	59.2	59.4	59.5	59.6	59.6	60.1	60.1	60.3	60.6
GE 14000	44.8	54.3	56.1	58.1	58.4	58.4	58.7	59.4	59.5	59.6	59.7	59.7	60.2	60.2	60.4	60.6
GE 12000	44.8	54.7	56.8	58.7	59.0	59.0	59.4	60.0	60.1	60.2	60.3	60.3	60.9	60.9	61.1	61.4
GE 10000	45.8	56.1	58.6	60.9	61.2	61.2	61.5	62.2	62.3	62.4	62.5	62.5	63.0	63.0	63.2	63.5
GE 9000	47.4	58.0	60.4	62.7	63.3	63.3	63.7	64.3	64.4	64.5	64.6	64.6	65.2	65.2	65.4	65.7
GE 8000	48.1	58.7	61.2	63.4	64.1	64.1	64.4	65.1	65.2	65.3	65.4	65.4	65.9	65.9	66.1	66.5
GE 7000	50.8	62.2	64.8	67.4	68.1	68.1	68.5	69.1	69.2	69.4	69.5	69.5	70.0	70.0	70.2	70.5
GE 6000	52.4	64.2	67.1	69.7	70.4	70.4	70.9	71.5	71.6	71.7	71.8	71.8	72.4	72.4	72.6	72.9
GE 5000	54.4	66.9	69.8	72.5	73.3	73.3	74.2	74.8	74.9	75.1	75.2	75.2	75.7	75.7	75.9	76.2
GE 4500	56.5	70.0	72.9	75.9	76.8	76.8	77.6	78.3	78.4	78.5	78.6	78.6	79.1	79.1	79.4	79.7
GE 4000	57.5	71.8	74.7	78.2	79.0	79.0	80.1	80.8	80.9	81.0	81.1	81.1	81.7	81.7	81.9	82.3
GE 3500	59.0	74.3	77.4	81.3	82.2	82.2	83.3	84.0	84.1	84.2	84.3	84.3	84.9	84.9	85.2	85.5
GE 3000	59.7	76.2	79.4	83.4	84.3	84.3	85.6	86.2	86.3	86.5	86.6	86.6	87.2	87.2	87.4	87.7
GE 2500	60.8	78.6	81.7	86.2	87.1	87.1	88.4	89.0	89.1	89.2	89.4	89.4	90.0	90.0	90.2	90.5
GE 2000	61.8	80.1	83.5	88.2	89.0	89.0	90.3	91.0	91.1	91.2	91.3	91.3	91.9	91.9	92.2	92.5
GE 1800	61.8	80.3	83.9	88.8	89.7	89.7	91.0	91.6	91.7	91.8	91.9	91.9	92.6	92.6	92.8	93.1
GE 1500	62.0	80.9	84.4	89.6	90.4	90.4	91.7	92.4	92.5	92.7	92.8	92.8	93.4	93.4	93.7	94.0
GE 1200	62.2	81.3	84.9	90.2	91.2	91.2	92.6	93.2	93.3	93.5	93.7	93.7	94.3	94.3	94.5	94.8
GE 1000	62.2	81.5	85.2	90.4	91.4	91.4	92.8	93.4	93.5	93.8	93.9	93.9	94.5	94.5	94.7	95.1
GE 900	62.2	81.8	85.5	90.8	91.7	91.8	93.2	93.9	94.0	94.2	94.3	94.3	94.9	94.9	95.2	95.5
GE 800	62.2	81.8	85.5	90.8	91.8	91.9	93.5	94.2	94.3	94.5	94.6	94.6	95.3	95.3	95.5	95.8
GE 700	62.2	81.8	85.5	90.8	91.8	91.9	93.5	94.2	94.3	94.5	94.6	94.6	95.3	95.3	95.5	95.8
GE 600	62.2	82.3	85.9	91.3	92.4	92.5	94.2	94.8	95.1	95.3	95.4	95.4	96.0	96.0	96.2	96.6
GE 500	62.2	82.4	86.1	91.6	92.9	93.0	94.7	95.4	95.6	95.8	95.9	95.9	96.6	96.6	96.8	97.1
GE 400	62.2	82.4	86.1	91.8	93.1	93.2	95.1	96.0	96.2	96.5	96.6	96.6	97.2	97.2	97.4	97.7
GE 300	62.2	82.4	86.1	91.9	93.2	93.5	95.4	96.5	96.7	97.0	97.1	97.1	97.7	97.7	98.0	98.3
GE 200	62.2	82.4	86.1	92.0	93.4	93.8	96.0	97.2	97.4	97.7	97.8	97.8	98.5	98.5	98.7	99.0
GE 100	62.2	82.4	86.1	92.0	93.4	93.8	96.1	97.4	97.6	98.0	98.1	98.1	98.8	98.8	99.2	100.0
GE 0	62.2	82.4	86.1	92.0	93.4	93.8	96.1	97.4	97.6	98.0	98.1	98.1	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.3	43.4	46.3	49.0	50.8	51.0	52.0	52.8	53.4	54.4	54.6	54.6	55.9	55.9	56.7	57.0
GE 20000	33.1	44.9	48.1	50.8	52.6	52.8	53.9	54.6	55.3	56.2	56.5	56.5	57.7	57.7	58.5	58.6
GE 18000	33.1	44.9	48.1	50.8	52.6	52.8	53.9	54.6	55.3	56.2	56.5	56.5	57.7	57.7	58.5	58.8
GE 16000	33.1	44.9	48.1	50.8	52.6	52.8	53.9	54.6	55.3	56.2	56.5	56.5	57.7	57.7	58.5	58.8
GE 14000	33.1	44.9	48.1	50.8	52.6	52.8	53.9	54.6	55.3	56.2	56.5	56.5	57.7	57.7	58.5	58.8
GE 12000	33.4	45.4	48.5	51.3	53.1	53.3	54.4	55.2	55.8	56.8	57.0	57.0	58.3	58.3	59.0	59.4
GE 10000	33.8	45.9	49.2	52.5	54.4	54.6	55.7	56.5	57.1	58.1	58.3	58.3	59.6	59.6	60.3	60.6
GE 9000	35.4	48.2	51.6	54.9	56.9	57.1	58.2	58.9	59.6	60.5	60.8	60.8	62.0	62.0	62.8	63.1
GE 8000	36.3	49.5	53.0	56.3	58.3	58.5	59.6	60.3	61.0	61.9	62.2	62.2	63.4	63.4	64.2	64.5
GE 7000	38.1	51.8	55.5	58.8	60.8	61.0	62.0	62.8	63.4	64.4	64.6	64.6	65.9	65.9	66.7	67.0
GE 6000	39.4	53.2	57.0	60.6	62.7	62.9	64.0	64.7	65.4	66.3	66.6	66.6	67.8	67.8	68.6	68.9
GE 5000	41.6	57.0	60.8	64.7	66.9	67.1	68.2	68.9	69.6	70.5	70.9	70.8	72.2	72.2	72.9	73.2
GE 4500	43.0	59.7	63.5	67.6	70.0	70.2	71.3	72.2	72.8	73.8	74.0	74.0	75.4	75.4	76.1	76.5
GE 4000	44.6	61.7	65.6	70.0	72.6	72.8	74.2	75.1	75.7	76.7	76.9	76.9	78.3	78.3	79.0	79.4
GE 3500	46.3	64.0	68.3	72.8	75.4	75.6	77.0	77.8	78.5	79.6	79.8	79.8	81.2	81.2	81.9	82.3
GE 3000	47.2	66.1	70.5	75.2	78.0	78.3	79.7	80.5	81.2	82.3	82.5	82.5	83.9	83.9	84.6	84.9
GE 2500	48.1	67.7	72.2	76.8	79.6	79.9	81.3	82.2	82.8	84.0	84.2	84.2	85.6	85.6	86.3	86.7
GE 2000	49.4	69.6	74.0	78.7	81.5	81.8	83.2	84.1	84.7	85.9	86.1	86.1	87.5	87.5	88.3	88.6
GE 1800	49.6	70.1	74.5	79.5	82.3	82.6	84.0	84.8	85.5	86.7	86.9	86.9	88.3	88.3	89.0	89.4
GE 1500	49.9	71.0	75.4	80.4	83.2	83.7	85.1	85.9	86.6	87.7	88.0	88.0	89.4	89.4	90.1	90.4
GE 1200	50.0	71.1	75.5	80.5	83.3	83.8	85.2	86.0	86.7	87.8	88.1	88.1	89.5	89.5	90.4	90.8
GE 1000	50.1	71.4	75.8	80.9	83.7	84.1	85.5	86.3	87.0	88.2	88.4	88.4	89.8	89.8	90.8	91.1
GE 900	50.1	71.9	76.3	81.4	84.2	84.6	86.0	86.9	87.5	88.7	88.9	88.9	90.3	90.3	91.3	91.6
GE 800	50.1	71.9	76.3	81.5	84.3	84.7	86.1	87.0	87.6	89.0	89.2	89.2	90.6	90.6	91.6	91.9
GE 700	50.1	71.9	76.3	81.5	84.4	84.8	86.2	87.2	87.8	89.4	89.6	89.6	91.0	91.0	91.9	92.3
GE 600	50.1	72.5	77.1	82.5	85.4	85.9	87.3	88.3	88.9	90.5	90.8	90.8	92.2	92.2	93.1	93.4
GE 500	50.2	72.6	77.2	82.7	85.6	86.1	87.5	88.5	89.1	90.8	91.0	91.0	92.4	92.4	93.3	93.7
GE 400	50.3	72.7	77.3	83.1	86.0	86.6	88.2	89.4	90.0	91.8	92.0	92.0	93.4	93.4	94.4	94.7
GE 300	50.3	72.9	77.5	83.5	86.7	87.2	88.9	90.2	91.0	92.9	93.1	93.1	94.5	94.5	95.5	95.8
GE 200	50.3	72.9	77.5	83.5	86.7	87.4	89.2	90.5	91.6	93.9	94.1	94.1	95.7	95.7	96.7	97.1
GE 100	50.3	72.9	77.5	83.9	87.0	87.7	89.6	91.1	92.2	94.5	94.7	94.7	97.4	97.4	98.5	99.2
GE 0	50.3	72.9	77.5	83.9	87.0	87.7	89.6	91.1	92.2	94.5	94.7	94.7	97.4	97.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	22.7	31.2	35.3	40.3	42.4	42.7	44.7	45.1	45.3	46.0	46.1	46.1	47.6	47.7	48.9	50.0
GE 20000	24.9	34.3	38.5	43.9	46.2	46.7	48.9	49.2	49.5	50.3	50.4	50.4	52.0	52.2	53.3	54.5
GE 18000	24.9	34.3	38.5	43.9	46.2	46.7	48.9	49.2	49.5	50.3	50.4	50.4	52.0	52.2	53.3	54.5
GE 16000	24.9	34.3	38.5	43.9	46.2	46.7	48.9	49.2	49.5	50.3	50.4	50.4	52.0	52.2	53.3	54.5
GE 14000	24.9	34.3	38.5	43.9	46.2	46.7	48.9	49.4	49.6	50.4	50.5	50.5	52.2	52.3	53.4	54.6
GE 12000	25.5	35.4	39.6	44.9	47.3	47.7	50.0	50.4	50.6	51.5	51.7	51.7	53.3	53.4	54.6	55.9
GE 10000	26.3	36.5	40.6	46.2	48.7	49.1	51.5	52.0	52.3	53.1	53.3	53.3	54.9	55.1	56.2	57.5
GE 9000	27.4	38.0	42.2	48.2	50.6	51.1	53.4	54.0	54.2	55.1	55.3	55.3	56.9	57.0	58.2	59.5
GE 8000	27.8	38.7	43.1	49.1	51.7	52.2	54.5	55.1	55.3	56.1	56.3	56.3	58.0	58.1	59.2	60.5
GE 7000	29.0	40.3	44.8	51.1	53.7	54.2	56.7	57.3	57.5	58.4	58.6	58.6	60.2	60.3	61.5	62.8
GE 6000	30.0	41.9	46.7	52.9	55.6	56.1	58.6	59.2	59.5	60.3	60.5	60.5	62.2	62.3	63.5	64.8
GE 5000	32.2	45.7	50.5	57.4	60.2	60.8	63.4	64.1	64.4	65.4	65.8	65.8	67.5	67.6	68.9	70.2
GE 4500	34.1	48.4	53.2	60.2	63.0	63.5	66.7	67.3	67.6	68.9	69.4	69.4	71.1	71.2	72.5	73.8
GE 4000	34.4	49.1	54.0	61.0	63.9	64.4	67.5	68.2	68.5	69.8	70.2	70.2	71.9	72.0	73.3	74.6
GE 3500	35.4	50.5	55.4	62.5	65.4	65.9	69.1	69.8	70.1	71.4	71.8	71.8	73.8	73.9	75.2	76.5
GE 3000	36.0	51.4	56.3	63.8	67.0	67.6	70.9	71.5	71.8	73.1	73.5	73.5	75.5	75.6	76.9	78.2
GE 2500	37.6	54.3	59.5	67.0	70.2	70.9	74.4	75.4	75.8	77.1	77.5	77.5	79.6	79.7	81.0	82.3
GE 2000	39.4	57.1	62.6	70.4	74.0	74.7	78.4	79.4	79.8	81.1	81.5	81.5	83.5	83.7	84.9	86.2
GE 1800	40.0	58.0	63.4	71.4	74.9	75.7	79.4	80.3	80.8	82.2	82.6	82.6	84.6	84.7	86.0	87.3
GE 1500	40.0	58.3	63.9	71.8	75.4	76.2	80.1	81.1	81.5	82.9	83.3	83.3	85.4	85.5	86.8	88.1
GE 1200	40.4	58.7	64.4	72.6	76.1	77.1	81.1	82.2	82.6	84.0	84.4	84.4	86.5	86.6	67.8	89.1
GE 1000	40.5	58.9	64.6	72.8	76.5	77.6	81.6	82.7	83.1	84.5	84.9	84.9	87.0	87.1	88.4	89.7
GE 900	40.5	59.6	65.4	73.5	77.3	78.5	82.6	83.7	84.1	85.5	85.9	85.9	88.0	88.1	89.4	90.6
GE 800	40.6	59.7	65.5	73.7	77.4	78.6	82.9	84.1	84.5	85.9	86.3	86.3	88.4	88.5	89.8	91.1
GE 700	40.6	59.7	65.5	73.7	77.4	78.6	83.0	84.2	84.6	86.0	86.5	86.5	88.6	88.7	90.0	91.3
GE 600	40.6	59.8	65.7	74.0	77.8	79.0	83.9	85.1	85.6	87.0	87.4	87.4	89.6	89.7	91.0	92.3
GE 500	40.8	59.9	65.8	74.2	78.2	79.4	84.2	85.4	86.0	87.4	87.8	87.8	90.0	90.1	91.4	92.7
GE 400	40.8	59.9	65.8	74.4	78.5	79.8	84.7	86.0	86.7	88.2	88.6	88.6	90.8	90.9	92.2	93.4
GE 300	40.8	59.9	65.8	74.4	78.6	80.0	85.2	86.7	87.3	89.2	89.9	89.9	92.0	92.2	93.4	94.7
GE 200	40.8	59.9	65.8	74.4	78.6	80.0	85.2	86.9	87.6	89.8	90.4	90.4	92.8	92.9	94.5	95.9
GE 100	40.8	59.9	65.8	74.4	78.6	80.1	85.4	87.2	88.1	90.2	90.9	90.9	93.7	93.8	96.3	98.3
GE 0	40.8	59.9	65.8	74.4	78.6	80.1	85.4	87.2	88.1	90.2	90.9	90.9	93.8	93.9	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	29.1	43.1	46.3	48.3	49.9	50.1	50.6	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.8	51.9
GE 20000	32.9	48.2	51.9	54.2	56.1	56.5	57.0	57.3	57.4	57.5	57.5	57.6	57.6	57.6	58.2	58.3
GE 18000	33.0	48.3	52.0	54.3	56.2	56.6	57.1	57.4	57.5	57.6	57.6	57.7	57.7	57.7	58.3	58.4
GE 16000	33.1	48.4	52.2	54.4	56.3	56.7	57.2	57.5	57.6	57.7	57.7	57.8	57.8	57.8	58.4	58.5
GE 14000	33.1	48.4	52.2	54.4	56.3	56.7	57.2	57.6	57.7	57.8	57.8	58.0	58.0	58.0	58.5	58.6
GE 12000	33.4	48.9	52.7	55.1	57.1	57.4	58.0	58.6	58.7	58.8	58.8	58.9	58.9	58.9	59.5	59.6
GE 10000	33.9	49.9	53.7	56.0	58.1	58.4	58.9	59.6	59.7	59.8	59.8	59.9	59.9	59.9	60.4	60.5
GE 9000	34.4	50.9	54.8	57.4	59.5	59.8	60.3	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.8	61.9
GE 8000	34.8	51.6	55.6	58.5	60.5	60.9	61.6	62.4	62.5	62.6	62.6	62.7	62.7	62.7	63.2	63.3
GE 7000	36.1	53.0	57.0	60.3	62.7	63.1	64.0	64.7	64.8	64.9	64.9	65.1	65.1	65.1	65.6	65.7
GE 6000	37.0	54.5	58.5	62.2	64.5	65.1	65.9	66.9	67.0	67.1	67.1	67.2	67.2	67.2	67.7	67.8
GE 5000	39.0	57.3	61.4	65.7	68.3	69.0	69.9	71.2	71.3	71.4	71.4	71.5	71.5	71.5	72.0	72.4
GE 4500	39.9	58.7	62.9	67.2	69.9	70.9	71.7	73.1	73.2	73.3	73.3	73.4	73.5	73.5	74.1	74.4
GE 4000	40.6	59.8	64.0	68.4	71.1	72.0	72.9	74.3	74.4	74.6	74.6	74.7	74.8	74.8	75.4	75.7
GE 3500	42.0	61.6	65.9	70.8	73.5	74.5	75.6	77.0	77.1	77.3	77.3	77.4	77.5	77.5	78.1	78.4
GE 3000	43.0	63.0	67.5	72.8	75.8	76.8	78.0	79.6	79.7	79.9	79.9	80.0	80.1	80.1	80.6	81.0
GE 2500	43.9	64.3	69.2	74.8	78.3	79.4	80.8	82.5	82.6	82.9	82.9	83.0	83.1	83.1	83.7	84.0
GE 2000	45.4	66.6	71.8	77.6	81.2	82.3	83.9	85.7	85.8	86.1	86.1	86.2	86.3	86.3	86.9	87.2
GE 1800	46.0	67.2	72.5	78.5	82.2	83.2	84.8	86.7	86.8	87.1	87.1	87.2	87.3	87.3	87.8	88.2
GE 1500	46.7	68.0	73.2	79.4	83.1	84.2	85.8	87.6	87.7	88.1	88.1	88.2	88.3	88.3	88.8	89.1
GE 1200	47.2	68.6	74.3	80.5	84.3	85.5	87.1	88.9	89.0	89.4	89.4	89.5	89.6	89.6	90.1	90.4
GE 1000	47.3	68.8	74.6	80.9	84.6	85.8	87.4	89.2	89.4	89.7	89.7	89.8	89.9	89.9	90.4	90.8
GE 900	47.3	69.5	75.4	81.6	85.4	86.6	88.2	90.0	90.1	90.4	90.4	90.5	90.6	90.6	91.2	91.5
GE 800	47.4	69.6	75.5	81.7	85.7	86.9	88.6	90.4	90.5	90.9	90.9	91.0	91.1	91.1	91.6	91.9
GE 700	47.5	70.1	76.0	82.3	86.5	87.6	89.5	91.3	91.4	91.7	91.7	91.8	91.9	91.9	92.5	92.8
GE 600	47.7	70.4	76.3	82.8	87.3	88.6	91.1	92.9	93.1	93.4	93.4	93.5	93.7	93.7	94.2	94.5
GE 500	47.7	70.6	76.7	83.1	87.7	89.1	91.8	93.8	94.0	94.3	94.3	94.4	94.6	94.6	95.2	95.5
GE 400	47.7	70.9	76.9	83.4	88.2	89.7	92.6	95.2	95.4	95.8	96.0	96.1	96.3	96.3	96.9	97.3
GE 300	47.7	71.0	77.0	83.8	88.6	90.1	93.1	95.8	96.0	96.8	97.0	97.1	97.3	97.3	97.8	98.3
GE 200	47.7	71.0	77.0	83.8	88.6	90.1	93.2	96.0	96.3	97.3	97.5	97.6	98.1	98.1	98.6	99.0
GE 100	47.7	71.0	77.0	83.8	88.6	90.1	93.3	96.1	96.5	97.5	97.7	97.8	98.3	98.3	99.4	99.8
GE 0	47.7	71.0	77.0	83.8	88.6	90.1	93.3	96.1	96.5	97.5	97.7	97.8	98.3	98.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	46.0	53.0	53.6	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 20000	51.6	60.3	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 18000	51.6	60.3	61.4	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	51.7	60.4	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 14000	51.9	60.7	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	53.1	62.6	63.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	53.5	63.4	64.5	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 9000	54.7	65.2	66.5	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	55.5	66.3	67.7	68.1	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	56.5	67.7	69.2	69.9	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	57.6	69.1	70.7	71.4	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 5000	59.6	72.0	73.6	74.5	75.1	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4500	60.4	73.2	74.9	75.8	76.4	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 4000	62.1	74.9	76.7	77.6	78.3	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3500	64.4	77.6	80.0	80.9	81.8	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3000	66.6	80.4	83.0	84.0	84.9	85.4	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2500	67.9	82.3	85.0	86.2	87.5	87.9	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000	69.5	84.6	87.4	88.8	90.1	90.6	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	70.2	85.4	88.2	89.7	91.0	91.5	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 1500	70.8	86.0	88.9	90.5	91.8	92.4	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1200	71.3	86.9	89.8	91.6	93.1	93.6	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1000	71.4	87.6	90.5	92.4	94.2	94.9	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 900	71.6	87.9	90.9	92.9	94.7	95.5	95.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	71.6	88.1	91.0	93.0	94.8	95.6	96.0	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	71.6	88.4	91.3	93.4	95.4	96.1	96.6	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	71.6	88.5	91.4	93.8	96.0	96.6	97.3	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	71.6	88.5	91.4	93.9	96.6	97.5	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	71.6	88.5	91.4	94.0	96.7	97.6	98.4	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	71.6	88.5	91.4	94.1	96.8	97.7	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.6	88.5	91.4	94.1	96.8	97.7	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.6	88.5	91.4	94.1	96.8	97.7	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	71.6	88.5	91.4	94.1	96.8	97.7	98.5	99.1	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	50.3	54.8	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 20000	56.0	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	63.1
GE 18000	56.1	62.3	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 16000	56.1	62.3	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 14000	56.9	63.1	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 12000	58.0	64.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 10000	59.1	66.5	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 9000	60.1	67.7	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 8000	60.9	68.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 7000	61.9	70.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 6000	63.4	73.0	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 5000	67.0	77.2	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	69.0	79.8	81.3	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4000	70.5	81.6	83.1	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3500	72.8	84.1	85.9	86.3	86.3	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3000	74.4	86.7	88.7	89.2	89.4	89.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2500	76.2	89.4	91.4	91.9	92.0	92.0	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2000	77.1	91.0	93.0	93.5	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1800	77.1	91.1	93.1	93.7	93.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	77.2	91.5	93.8	94.3	94.5	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	77.4	92.2	94.4	94.9	95.2	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	77.4	92.4	94.9	95.5	95.7	95.7	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	77.4	92.6	95.4	95.9	96.1	96.1	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	77.6	93.0	95.9	96.5	96.7	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	77.8	93.4	96.6	97.1	97.3	97.3	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	77.8	93.7	96.8	97.7	98.0	98.0	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	77.8	93.7	96.8	97.7	98.1	98.3	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	77.8	93.7	96.8	97.7	98.1	98.3	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	77.8	93.7	96.8	97.7	98.1	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	77.8	93.7	96.8	97.7	98.1	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.8	93.7	96.8	97.7	98.1	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	77.8	93.7	96.8	97.7	98.1	98.3	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	53.2	57.0	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	59.4	64.4	65.6	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 18000	59.4	64.5	65.7	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 16000	59.4	64.5	65.7	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 14000	59.5	64.6	65.8	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 12000	61.3	66.9	68.1	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 10000	61.9	68.0	69.4	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 9000	62.7	68.8	70.2	70.6	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 8000	63.4	69.8	71.2	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 7000	64.6	71.8	73.3	73.8	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 6000	66.6	74.7	76.3	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 5000	69.7	79.5	81.1	81.7	82.0	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 4500	71.7	82.3	83.9	84.8	85.4	85.5	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 4000	72.4	83.3	84.9	86.0	86.6	86.7	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3500	74.5	85.9	87.5	89.0	89.7	89.8	90.1	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 3000	75.9	87.6	89.2	90.8	91.4	91.5	91.8	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2500	76.8	89.4	91.1	92.6	93.3	93.4	93.8	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2000	77.1	90.1	91.9	93.7	94.4	94.5	94.8	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	77.1	90.1	91.9	93.7	94.4	94.5	94.8	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	77.1	91.0	93.0	94.7	95.5	95.6	95.9	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	77.1	91.3	93.4	95.2	95.9	96.0	96.3	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	77.1	91.4	93.5	95.5	96.3	96.6	96.9	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	77.1	91.7	93.9	95.9	96.8	97.0	97.3	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	77.1	91.7	94.0	96.1	97.0	97.2	97.5	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	77.1	91.7	94.1	96.2	97.1	97.3	97.7	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	77.1	91.8	94.3	96.8	97.6	97.8	98.4	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	77.1	91.9	94.4	97.0	97.8	98.1	98.6	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	77.1	91.9	94.4	97.0	98.0	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	77.1	91.9	94.4	97.0	98.0	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	77.1	91.9	94.4	97.0	98.0	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.1	91.9	94.4	97.0	98.0	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	77.1	91.9	94.4	97.0	98.0	98.2	98.7	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	51.8	57.0	58.3	58.8	59.0	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.6
GE 20000	54.1	60.1	61.4	61.9	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.6
GE 18000	54.1	60.1	61.4	61.9	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.8
GE 16000	54.1	60.1	61.4	61.9	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.8
GE 14000	54.2	60.3	61.6	62.2	62.5	62.5	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	63.0
GE 12000	55.3	61.7	63.0	63.8	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.6
GE 10000	55.6	62.7	64.2	65.3	65.6	65.6	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	66.1
GE 9000	56.6	64.0	65.5	67.0	67.3	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.6
GE 8000	57.1	64.8	66.3	67.8	68.2	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.7
GE 7000	59.2	67.1	68.8	70.3	70.6	70.6	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.2
GE 6000	61.1	69.7	71.6	73.1	73.4	73.4	73.4	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	74.0
GE 5000	64.8	74.6	76.6	78.5	79.0	79.0	79.1	79.2	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.8
GE 4500	66.7	77.2	79.2	81.3	81.9	81.9	82.0	82.2	82.2	82.4	82.5	82.5	82.5	82.5	82.5	82.6
GE 4000	67.6	79.0	81.1	83.7	84.3	84.3	84.4	84.5	84.5	84.7	84.8	84.8	84.8	84.8	84.8	85.2
GE 3500	69.5	81.2	83.2	85.9	86.6	86.6	86.9	87.0	87.0	87.2	87.3	87.3	87.3	87.4	87.4	87.7
GE 3000	70.3	82.8	84.8	87.6	88.3	88.3	88.6	88.7	88.7	88.9	89.0	89.0	89.0	89.1	89.1	89.5
GE 2500	71.3	85.1	87.1	90.2	90.9	90.9	91.2	91.6	91.6	91.8	91.9	91.9	91.9	92.0	92.0	92.4
GE 2000	72.0	86.6	88.8	92.2	92.8	92.8	93.1	93.5	93.5	93.8	93.9	93.9	93.9	94.0	94.0	94.3
GE 1800	72.2	87.0	89.2	92.6	93.2	93.2	93.5	94.0	94.0	94.2	94.3	94.3	94.3	94.4	94.4	94.7
GE 1500	72.3	87.6	90.1	93.7	94.3	94.3	94.6	95.1	95.1	95.3	95.4	95.4	95.4	95.5	95.5	95.8
GE 1200	72.6	88.2	90.9	94.5	95.2	95.2	95.5	95.9	95.9	96.1	96.2	96.2	96.2	96.3	96.3	96.7
GE 1000	72.6	88.2	91.0	94.6	95.4	95.4	95.7	96.1	96.1	96.3	96.5	96.5	96.5	96.6	96.6	96.9
GE 900	72.7	88.3	91.1	95.1	95.8	95.8	96.1	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.3
GE 800	72.7	88.3	91.1	95.1	95.8	95.8	96.1	96.6	96.6	96.8	96.9	96.9	96.9	97.0	97.0	97.3
GE 700	72.7	88.4	91.3	95.3	96.1	96.1	96.5	96.9	96.9	97.1	97.2	97.2	97.2	97.3	97.3	97.6
GE 600	72.7	88.7	91.7	95.7	96.6	96.6	96.9	97.3	97.3	97.5	97.6	97.6	97.6	97.7	97.7	98.1
GE 500	72.7	88.7	91.9	96.0	96.9	96.9	97.2	97.6	97.6	97.8	98.0	98.0	98.0	98.1	98.1	98.4
GE 400	72.7	88.8	92.0	96.2	97.1	97.1	97.4	98.0	98.0	98.2	98.3	98.3	98.3	98.4	98.4	98.7
GE 300	72.7	89.0	92.3	96.5	97.3	97.6	98.1	98.7	98.7	98.9	99.0	99.0	99.0	99.1	99.1	99.5
GE 200	72.7	89.0	92.3	96.5	97.3	97.6	98.2	98.9	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.7
GE 100	72.7	89.0	92.3	96.5	97.3	97.6	98.2	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.7	100.0
GE 0	72.7	89.0	92.3	96.5	97.3	97.6	98.2	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	41.2	49.1	51.0	52.6	53.4	53.5	54.0	54.3	54.4	54.7	54.7	54.7	55.2	55.2	55.5	55.8
GE 20000	44.6	53.6	55.7	57.4	58.3	58.4	59.0	59.2	59.4	59.6	59.7	59.7	60.1	60.1	60.5	60.8
GE 18000	44.6	53.6	55.8	57.5	58.3	58.5	59.0	59.3	59.4	59.7	59.7	59.7	60.2	60.2	60.5	60.8
GE 16000	44.7	53.6	55.8	57.5	58.4	58.5	59.0	59.3	59.4	59.7	59.8	59.8	60.2	60.2	60.5	60.8
GE 14000	44.8	53.8	56.0	57.7	58.6	58.7	59.2	59.5	59.7	59.9	60.0	60.0	60.4	60.4	60.8	61.1
GE 12000	45.6	55.1	57.3	59.0	59.9	60.1	60.6	60.9	61.0	61.3	61.4	61.4	61.8	61.8	62.2	62.5
GE 10000	46.2	56.1	58.5	60.4	61.3	61.5	62.0	62.3	62.5	62.7	62.8	62.8	63.3	63.3	63.6	63.9
GE 9000	47.3	57.6	60.0	62.1	63.1	63.2	63.8	64.1	64.2	64.5	64.6	64.6	65.0	65.0	65.4	65.7
GE 8000	48.0	58.5	61.0	63.2	64.1	64.3	64.9	65.2	65.4	65.6	65.7	65.7	66.1	66.2	66.5	66.8
GE 7000	49.5	60.5	63.1	65.4	66.5	66.6	67.3	67.6	67.8	68.0	68.1	68.1	68.5	68.6	68.9	69.2
GE 6000	50.9	62.5	65.3	67.6	68.7	68.9	69.6	70.0	70.1	70.3	70.4	70.4	70.9	70.9	71.2	71.5
GE 5000	53.5	66.3	69.0	71.7	73.0	73.2	73.9	74.4	74.5	74.8	74.9	74.9	75.4	75.4	75.8	76.1
GE 4500	55.2	68.7	71.5	74.3	75.6	75.9	76.7	77.2	77.4	77.7	77.8	77.8	78.3	78.3	78.7	79.0
GE 4000	56.2	70.2	73.0	76.0	77.4	77.7	78.6	79.1	79.3	79.6	79.7	79.7	80.2	80.2	80.6	80.9
GE 3500	58.0	72.4	75.5	78.7	80.1	80.4	81.4	81.9	82.1	82.4	82.6	82.6	83.1	83.1	83.5	83.8
GE 3000	59.1	74.3	77.4	80.8	82.4	82.7	83.7	84.3	84.4	84.8	84.9	84.9	85.4	85.5	85.8	86.1
GE 2500	60.3	76.4	79.6	83.2	84.9	85.2	86.3	87.0	87.1	87.5	87.6	87.7	88.2	88.2	88.6	88.9
GE 2000	61.5	78.2	81.6	85.4	87.1	87.4	88.5	89.3	89.5	89.9	90.0	90.0	90.5	90.6	90.9	91.2
GE 1800	61.7	78.6	82.1	86.0	87.7	88.0	89.1	89.9	90.1	90.5	90.6	90.6	91.2	91.2	91.5	91.9
GE 1500	62.0	79.3	82.8	86.8	88.5	88.9	90.1	90.8	91.0	91.5	91.6	91.6	92.1	92.1	92.5	92.8
GE 1200	62.3	79.8	83.5	87.5	89.3	89.7	90.9	91.7	91.8	92.3	92.4	92.4	92.9	93.0	93.3	93.7
GE 1000	62.3	80.0	83.8	87.9	89.7	90.2	91.4	92.2	92.3	92.8	92.9	92.9	93.4	93.5	93.8	94.2
GE 900	62.4	80.4	84.2	88.4	90.3	90.7	91.9	92.7	92.9	93.4	93.5	93.5	94.0	94.0	94.4	94.7
GE 800	62.4	80.5	84.3	88.5	90.4	90.9	92.2	93.0	93.2	93.7	93.8	93.8	94.3	94.4	94.7	95.1
GE 700	62.5	80.7	84.6	88.8	90.8	91.2	92.6	93.4	93.6	94.1	94.2	94.2	94.7	94.8	95.1	95.5
GE 600	62.5	81.0	84.9	89.3	91.4	91.9	93.4	94.2	94.5	95.0	95.1	95.1	95.7	95.7	96.1	96.4
GE 500	62.5	81.0	85.0	89.5	91.7	92.3	93.9	94.8	95.1	95.6	95.7	95.8	96.3	96.3	96.7	97.0
GE 400	62.5	81.1	85.1	89.7	91.9	92.6	94.2	95.3	95.6	96.2	96.4	96.4	96.9	97.0	97.3	97.7
GE 300	62.5	81.2	85.2	89.9	92.1	92.8	94.6	95.8	96.1	96.9	97.0	97.0	97.6	97.6	98.0	98.3
GE 200	62.5	81.2	85.2	89.9	92.2	92.9	94.8	96.0	96.4	97.2	97.4	97.4	98.0	98.1	98.5	98.8
GE 100	62.5	81.2	85.2	89.9	92.2	92.9	94.9	96.1	96.5	97.4	97.6	97.6	98.4	98.5	99.1	99.7
GE 0	62.5	81.2	85.2	89.9	92.2	92.9	94.9	96.1	96.5	97.4	97.6	97.6	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	34.2	42.9	44.6	45.6	46.9	47.0	47.2	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.2	48.2
GE 20000	35.1	44.9	46.6	47.7	49.0	49.1	49.3	49.8	50.0	50.2	50.2	50.2	50.2	50.2	50.3	50.7
GE 18000	35.2	45.0	46.7	47.8	49.1	49.2	49.4	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.4	50.8
GE 16000	35.2	45.0	46.7	47.8	49.1	49.2	49.4	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.4	50.8
GE 14000	35.7	45.4	47.1	48.2	49.6	49.7	49.9	50.3	50.6	50.8	50.8	50.8	50.8	50.8	50.9	51.2
GE 12000	36.0	46.2	47.9	49.0	50.3	50.4	50.7	51.1	51.3	51.6	51.6	51.6	51.6	51.6	51.7	52.0
GE 10000	37.3	48.0	49.7	50.8	52.1	52.2	52.7	53.1	53.3	53.6	53.6	53.6	53.6	53.6	53.7	54.0
GE 9000	38.1	49.2	51.1	52.3	53.7	53.8	54.2	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.6
GE 8000	38.6	50.3	52.2	53.4	54.8	54.9	55.3	55.8	56.0	56.2	56.2	56.2	56.2	56.2	56.3	56.7
GE 7000	40.6	53.3	55.2	56.6	57.9	58.0	58.4	58.9	59.1	59.3	59.3	59.3	59.3	59.3	59.4	59.8
GE 6000	41.0	54.3	56.4	58.1	59.4	59.6	60.0	60.4	60.7	60.9	60.9	60.9	60.9	60.9	61.0	61.3
GE 5000	42.7	56.8	59.1	60.9	62.3	62.4	63.1	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.1	64.4
GE 4500	44.2	60.2	62.8	64.9	66.3	66.4	67.4	68.1	68.3	68.6	68.6	68.6	68.6	68.6	68.7	69.0
GE 4000	44.9	61.8	64.7	67.0	68.7	68.8	69.9	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.1	71.4
GE 3500	46.7	64.4	67.3	70.0	71.8	71.9	73.1	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.3	74.7
GE 3000	48.6	68.8	71.8	75.1	77.0	77.1	78.4	79.1	79.3	79.6	79.6	79.6	79.6	79.6	79.7	80.0
GE 2500	50.6	71.6	74.6	78.2	80.3	80.4	82.0	82.7	83.0	83.2	83.2	83.2	83.2	83.2	83.3	83.7
GE 2000	52.2	74.2	77.8	81.6	83.8	83.9	85.6	86.3	86.7	87.0	87.0	87.0	87.0	87.0	87.1	87.4
GE 1800	52.4	75.1	78.7	82.4	84.7	84.8	86.4	87.2	87.6	87.9	87.9	87.9	87.9	87.9	88.0	88.3
GE 1500	52.8	75.9	79.6	83.3	85.6	85.7	87.3	88.1	88.4	88.8	88.8	88.8	88.8	88.8	88.9	89.2
GE 1200	53.1	76.8	80.4	84.6	87.0	87.1	88.9	89.7	90.0	90.4	90.4	90.4	90.4	90.4	90.6	90.9
GE 1000	53.1	77.0	80.7	84.8	87.2	87.3	89.3	90.1	90.4	90.9	90.9	90.9	90.9	90.9	91.0	91.3
GE 900	53.2	77.6	81.3	85.8	88.2	88.3	90.3	91.2	91.6	92.2	92.2	92.2	92.2	92.2	92.3	92.7
GE 800	53.2	77.7	81.4	85.9	88.3	88.4	90.4	91.3	91.7	92.4	92.4	92.4	92.4	92.4	92.6	92.9
GE 700	53.2	77.7	81.4	86.1	88.6	88.7	90.7	91.7	92.0	92.8	92.8	92.8	92.8	92.8	92.9	93.2
GE 600	53.2	77.8	81.6	86.4	89.1	89.2	91.6	92.6	92.9	93.7	93.7	93.7	93.7	93.7	93.8	94.1
GE 500	53.3	78.0	81.9	87.0	89.7	89.9	92.3	93.3	93.7	94.4	94.4	94.4	94.4	94.4	94.6	94.9
GE 400	53.3	78.2	82.2	87.6	90.2	90.6	93.4	94.4	94.8	95.6	95.6	95.6	95.6	95.6	95.7	96.0
GE 300	53.4	78.3	82.3	88.1	90.8	91.3	94.1	95.1	95.4	96.2	96.2	96.2	96.2	96.2	96.3	96.7
GE 200	53.4	78.3	82.3	88.3	91.1	91.7	94.7	96.0	96.3	97.3	97.3	97.3	97.3	97.3	97.4	97.8
GE 100	53.4	78.3	82.4	88.4	91.6	92.1	95.1	96.4	97.0	98.1	98.1	98.1	98.2	98.2	98.7	99.4
GE 0	53.4	78.3	82.4	88.4	91.6	92.1	95.1	96.4	97.0	98.1	98.1	98.1	98.2	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.3	37.9	39.2	40.1	41.1	41.3	42.1	42.9	43.3	43.6	43.7	43.7	44.2	44.2	44.7	44.7
GE 20000	28.8	38.9	40.2	41.1	42.1	42.3	43.1	43.9	44.3	44.6	44.7	44.7	45.2	45.2	46.0	46.0
GE 18000	28.8	38.9	40.2	41.1	42.1	42.3	43.1	43.9	44.3	44.6	44.7	44.7	45.2	45.2	46.0	46.0
GE 16000	28.8	38.9	40.2	41.1	42.1	42.3	43.1	43.9	44.3	44.6	44.7	44.7	45.2	45.2	46.0	46.1
GE 14000	29.4	39.7	41.0	41.9	42.9	43.1	43.9	44.7	45.1	45.3	45.4	45.4	46.0	46.0	46.8	46.9
GE 12000	30.3	41.0	42.3	43.3	44.4	44.7	45.4	46.2	46.7	46.9	47.0	47.0	47.6	47.6	48.3	48.4
GE 10000	31.4	43.0	44.3	45.4	46.6	46.8	47.7	48.4	48.9	49.1	49.2	49.2	49.8	49.8	50.6	50.7
GE 9000	31.7	44.3	45.7	46.9	48.0	48.2	49.3	50.1	50.6	50.8	50.9	50.9	51.4	51.4	52.2	52.3
GE 8000	32.1	44.9	46.2	47.6	48.7	48.9	50.0	50.9	51.3	51.6	51.7	51.7	52.2	52.2	53.0	53.1
GE 7000	33.2	46.8	48.2	49.9	51.0	51.2	52.3	53.2	53.8	54.0	54.1	54.1	54.7	54.7	55.4	55.6
GE 6000	33.4	47.4	48.9	50.7	51.8	52.0	53.2	54.1	54.7	54.9	55.0	55.0	55.6	55.6	56.3	56.4
GE 5000	34.7	49.0	51.0	52.9	54.4	54.7	55.9	56.8	57.4	57.7	57.8	57.8	58.3	58.3	59.1	59.2
GE 4500	36.2	51.6	53.6	55.8	57.3	57.6	58.9	59.8	60.4	60.7	60.8	60.8	61.3	61.3	62.1	62.2
GE 4000	37.6	53.4	55.7	58.6	60.1	60.3	61.7	62.7	63.3	63.6	63.7	63.7	64.2	64.2	65.0	65.1
GE 3500	40.9	57.7	60.0	63.4	65.0	65.2	66.6	67.7	68.3	68.6	68.7	68.7	69.2	69.2	70.0	70.1
GE 3000	42.9	61.1	63.7	67.4	69.1	69.3	70.8	71.9	72.6	72.8	72.9	72.9	73.4	73.4	74.2	74.3
GE 2500	45.2	64.2	66.9	70.9	72.6	72.8	74.3	75.4	76.1	76.3	76.4	76.4	77.0	77.0	77.8	77.9
GE 2000	46.7	67.4	70.4	74.6	76.3	76.9	79.0	80.1	80.8	81.0	81.1	81.1	81.7	81.7	82.4	82.6
GE 1800	46.9	67.9	70.9	75.1	76.9	77.4	79.6	80.8	81.4	81.7	81.8	81.8	82.3	82.3	83.1	83.2
GE 1500	47.1	69.2	72.2	76.6	78.4	79.0	81.1	82.3	83.0	83.2	83.3	83.3	83.9	83.9	84.7	84.8
GE 1200	47.8	71.5	74.2	76.6	80.6	81.1	83.4	84.9	85.6	85.8	85.9	85.9	86.4	86.4	87.2	87.3
GE 1000	48.1	72.0	75.2	79.7	81.7	82.2	84.7	86.2	86.9	87.2	87.3	87.3	87.9	87.9	88.7	88.8
GE 900	48.2	72.7	75.9	80.6	82.6	83.1	85.8	87.3	88.0	88.3	88.4	88.4	89.0	89.0	89.8	89.9
GE 800	48.2	72.7	75.9	80.6	82.6	83.1	85.8	87.3	88.0	88.3	88.4	88.4	89.0	89.0	89.8	89.9
GE 700	48.3	73.0	76.2	81.2	83.2	83.8	86.4	88.0	88.7	89.0	89.1	89.1	89.7	89.7	90.4	90.6
GE 600	48.3	73.3	76.6	81.8	84.0	84.6	87.7	89.2	89.9	90.2	90.3	90.3	90.9	90.9	91.7	91.8
GE 500	48.3	73.6	76.8	82.0	84.3	84.9	88.1	89.7	90.3	90.7	90.8	90.8	91.3	91.3	92.2	92.3
GE 400	48.3	73.6	77.1	82.6	84.9	85.4	88.9	90.7	91.3	91.7	91.8	91.8	92.3	92.3	93.2	93.3
GE 300	48.3	73.8	77.4	83.4	85.8	86.3	90.1	91.9	92.7	93.3	93.4	93.4	94.1	94.1	95.0	95.1
GE 200	48.3	73.8	77.4	83.7	86.0	86.6	90.9	93.2	94.0	94.9	95.1	95.1	95.8	95.8	96.7	96.8
GE 100	48.3	73.8	77.4	83.7	86.3	86.9	91.3	93.7	94.6	95.4	95.7	95.7	96.6	96.8	97.7	98.4
GE 0	48.3	73.8	77.4	83.7	86.3	86.9	91.3	93.7	94.6	95.7	95.9	95.9	96.8	97.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	21.7	29.1	30.2	33.0	34.1	34.4	35.6	36.2	36.3	37.6	37.6	37.6	38.6	38.6	38.9	39.0
GE 20000	22.4	30.4	31.6	34.6	35.9	36.2	37.4	38.1	38.2	39.6	39.7	39.7	40.8	40.8	41.2	41.3
GE 18000	22.4	30.4	31.6	34.6	35.9	36.2	37.4	38.1	38.2	39.6	39.7	39.7	40.8	40.8	41.2	41.3
GE 16000	22.4	30.4	31.6	34.6	35.9	36.2	37.4	38.1	38.2	39.6	39.7	39.7	40.8	40.8	41.2	41.3
GE 14000	22.9	30.9	32.0	35.0	36.3	36.7	37.9	38.6	38.7	40.0	40.1	40.1	41.2	41.2	41.7	41.6
GE 12000	23.8	32.3	33.4	36.4	37.8	38.1	39.3	40.0	40.1	41.4	41.6	41.6	42.7	42.7	43.2	43.3
GE 10000	24.1	32.9	34.1	37.3	38.8	39.1	40.3	41.0	41.1	42.4	42.6	42.6	43.7	43.7	44.2	44.3
GE 9000	24.6	34.1	35.3	38.8	40.3	40.7	42.1	42.8	42.9	44.2	44.3	44.3	45.4	45.4	46.1	46.2
GE 8000	25.2	35.1	36.4	40.0	41.6	41.9	43.3	44.0	44.1	45.6	45.7	45.7	46.9	46.9	47.6	47.7
GE 7000	26.2	37.3	38.8	42.7	44.3	44.7	46.1	46.8	46.9	48.3	48.4	48.4	49.7	49.7	50.4	50.6
GE 6000	26.7	38.7	40.1	44.2	45.9	46.2	47.9	48.7	48.8	50.2	50.3	50.3	51.6	51.6	52.3	52.4
GE 5000	28.0	40.8	42.3	46.8	48.9	49.2	50.9	51.8	51.9	53.3	53.4	53.4	54.7	54.7	55.6	55.7
GE 4500	29.3	43.0	44.8	49.8	52.2	52.6	54.3	55.2	55.4	57.0	57.2	57.2	58.4	58.4	59.3	59.4
GE 4000	30.3	44.6	46.6	51.8	54.2	54.6	56.4	57.3	57.6	59.1	59.3	59.3	60.6	60.6	61.4	61.6
GE 3500	32.8	47.3	49.6	55.2	57.8	58.1	60.0	60.9	61.2	62.9	63.2	63.2	64.4	64.4	65.3	65.4
GE 3000	35.1	50.8	53.2	59.1	61.8	62.1	64.1	65.0	65.3	67.1	67.4	67.4	68.7	68.7	69.7	69.8
GE 2500	37.9	54.2	56.8	63.2	65.9	66.2	68.2	69.2	69.6	71.3	71.7	71.7	72.9	72.9	74.0	74.1
GE 2000	39.7	58.4	61.4	67.9	70.7	71.3	73.4	74.6	74.9	76.7	77.0	77.0	78.2	78.2	79.3	79.4
GE 1800	40.0	59.4	62.4	68.9	71.8	72.6	74.8	75.9	76.2	78.0	78.3	78.3	79.6	79.6	80.7	80.8
GE 1500	40.4	60.2	63.2	69.9	72.8	73.7	76.0	77.1	77.4	79.2	79.7	79.7	80.9	80.9	82.0	82.1
GE 1200	41.2	62.0	65.0	71.7	74.6	75.4	77.9	79.2	79.6	81.3	81.8	81.8	83.0	83.0	84.1	84.2
GE 1000	41.2	62.3	65.4	72.4	75.3	76.2	79.0	80.4	80.8	82.7	83.1	83.1	84.3	84.3	85.4	85.6
GE 900	41.7	63.2	66.3	73.6	76.4	77.3	80.1	81.7	82.0	83.9	84.3	84.3	85.6	85.6	86.7	86.8
GE 800	41.7	63.4	66.6	74.4	77.3	78.3	81.2	82.8	83.1	85.0	85.4	85.4	86.7	86.7	87.8	87.9
GE 700	41.7	63.6	66.9	75.1	78.1	79.1	82.1	83.7	84.0	85.9	86.3	86.3	87.6	87.6	88.7	88.8
GE 600	41.7	63.9	67.1	75.4	78.4	79.7	83.1	84.7	85.0	87.1	87.6	87.6	88.8	88.8	89.9	90.0
GE 500	41.7	64.2	67.4	76.0	79.0	80.2	83.8	85.6	86.0	88.2	88.7	88.7	89.9	89.9	91.0	91.1
GE 400	41.7	64.6	67.8	76.4	79.9	81.2	85.1	86.9	87.4	89.8	90.2	90.2	91.4	91.4	92.6	92.8
GE 300	41.7	64.7	68.1	76.8	80.2	81.6	85.9	87.8	88.3	91.1	91.6	91.6	92.9	92.9	94.0	94.4
GE 200	41.7	64.7	68.1	76.8	80.3	81.8	86.3	88.4	89.1	92.1	92.7	92.7	94.2	94.2	95.8	96.2
GE 100	41.7	64.7	68.1	76.8	80.4	81.9	86.4	88.8	89.7	92.8	93.7	93.7	95.2	95.2	97.1	98.4
GE 0	41.7	64.7	68.1	76.8	80.4	81.9	86.4	88.9	89.8	93.0	93.9	93.9	95.4	95.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1200

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	23.0	30.9	32.6	35.0	36.6	36.8	37.4	37.7	37.7	37.9	37.9	37.9	38.1	38.1	38.1	38.1
GE 20000	24.6	33.9	35.6	38.4	40.2	40.4	41.3	41.6	41.6	41.8	41.8	41.8	42.0	42.0	42.0	42.1
GE 18000	24.6	33.9	35.6	38.4	40.2	40.4	41.3	41.6	41.6	41.8	41.8	41.8	42.0	42.0	42.0	42.1
GE 16000	24.6	33.9	35.6	38.4	40.2	40.4	41.3	41.6	41.6	41.9	41.9	41.9	42.1	42.1	42.1	42.2
GE 14000	24.7	34.1	35.8	38.7	40.4	40.7	41.6	41.8	41.8	42.2	42.2	42.2	42.4	42.4	42.4	42.6
GE 12000	24.8	34.8	36.6	39.4	41.2	41.4	42.3	42.7	42.7	43.1	43.1	43.1	43.3	43.3	43.4	43.6
GE 10000	25.3	36.1	37.9	41.3	43.1	43.3	44.2	44.7	44.7	45.1	45.1	45.1	45.3	45.3	45.4	45.8
GE 9000	26.9	38.1	39.9	43.9	45.7	45.9	46.8	47.2	47.2	47.7	47.7	47.7	47.9	47.9	48.0	48.3
GE 8000	27.4	38.8	40.6	44.7	46.6	46.8	47.7	48.1	48.1	48.8	48.8	48.8	49.0	49.0	49.1	49.4
GE 7000	28.7	40.4	42.3	46.7	48.6	49.0	50.0	50.4	50.4	51.1	51.1	51.1	51.3	51.3	51.4	51.8
GE 6000	29.3	41.8	43.8	48.1	50.1	50.6	51.7	52.1	52.1	52.8	52.8	52.8	53.0	53.0	53.1	53.4
GE 5000	30.6	45.3	48.4	53.2	55.7	56.2	57.3	58.1	58.1	58.8	58.8	58.8	59.0	59.0	59.1	59.4
GE 4500	31.1	46.7	49.9	54.9	57.4	58.2	59.3	60.2	60.2	61.0	61.0	61.0	61.3	61.3	61.4	61.8
GE 4000	32.1	48.1	51.3	56.4	59.1	59.9	61.0	61.9	61.9	62.7	62.7	62.7	63.1	63.1	63.2	63.6
GE 3500	33.3	49.7	53.1	58.4	61.1	62.1	63.2	64.1	64.1	64.9	65.0	65.0	65.4	65.4	65.6	65.9
GE 3000	34.9	52.2	56.1	62.0	65.0	66.2	67.3	68.4	68.4	69.3	69.4	69.4	69.9	69.9	70.0	70.3
GE 2500	36.9	55.0	59.3	65.7	68.8	70.4	71.6	72.8	72.8	73.7	73.9	73.9	74.3	74.3	74.4	74.8
GE 2000	38.4	57.7	62.0	68.9	72.1	73.9	75.0	76.4	76.4	77.4	77.7	77.7	78.1	78.1	78.2	78.6
GE 1800	39.3	58.8	63.1	70.0	73.2	75.0	76.1	77.6	77.6	78.6	78.8	78.8	79.2	79.2	79.3	79.7
GE 1500	40.7	61.1	65.6	72.4	75.8	77.7	78.8	80.2	80.2	81.3	81.6	81.6	82.0	82.0	82.1	82.4
GE 1200	41.4	62.7	67.4	74.6	78.0	79.9	81.0	82.7	82.7	84.2	84.4	84.4	84.9	84.9	85.0	85.3
GE 1000	41.4	63.4	68.6	76.0	79.4	81.3	82.6	84.3	84.3	85.9	86.1	86.1	86.6	86.6	86.7	87.0
GE 900	41.7	63.9	69.0	76.7	80.2	82.2	83.4	85.2	85.2	86.8	87.0	87.0	87.4	87.4	87.6	87.9
GE 800	41.8	64.1	69.3	77.1	80.8	83.1	84.6	86.3	86.3	87.9	88.1	88.1	88.6	88.6	88.7	89.0
GE 700	41.9	64.7	69.9	77.9	81.8	84.1	85.7	87.6	87.6	89.1	89.3	89.3	89.9	89.9	90.0	90.3
GE 600	42.1	65.3	70.6	79.0	83.2	85.6	87.7	89.6	89.6	91.2	91.7	91.7	92.2	92.2	92.3	92.7
GE 500	42.1	65.6	71.0	79.6	84.4	86.8	89.1	91.0	91.0	92.7	93.1	93.1	93.8	93.8	93.9	94.2
GE 400	42.1	65.8	71.3	80.0	85.2	87.8	90.3	92.7	92.7	94.4	94.9	94.9	95.6	95.6	95.7	96.0
GE 300	42.1	65.8	71.3	80.1	85.3	87.9	90.6	92.9	92.9	94.9	95.6	95.6	96.2	96.2	96.6	96.9
GE 200	42.1	65.8	71.3	80.1	85.3	88.0	90.9	93.6	93.7	96.2	97.1	97.1	98.0	98.0	98.3	98.7
GE 100	42.1	65.8	71.3	80.1	85.3	88.0	90.9	93.7	93.8	96.4	97.7	97.7	98.8	98.8	99.2	99.8
GE 0	42.1	65.8	71.3	80.1	85.3	88.0	90.9	93.7	93.8	96.4	97.7	97.7	98.8	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.3	38.0	40.0	40.8	41.3	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 20000	36.1	44.6	46.8	47.6	48.1	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	36.1	44.6	46.8	47.6	48.1	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 16000	36.2	44.7	46.9	47.7	48.2	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 14000	36.2	44.7	46.9	47.7	48.2	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 12000	37.1	46.0	48.2	49.0	49.6	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 10000	38.0	47.2	49.7	50.6	51.1	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 9000	39.6	49.2	51.8	52.7	53.2	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 8000	39.9	49.7	52.3	53.2	53.8	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 7000	41.2	51.1	53.8	54.8	55.4	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 6000	41.6	51.7	54.4	55.6	56.2	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 5000	43.7	55.0	57.8	59.2	60.0	60.1	60.8	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 4500	45.2	57.9	60.8	63.0	64.0	64.2	65.1	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 4000	45.8	59.2	62.2	64.6	65.7	65.9	66.8	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 3500	48.0	62.0	65.0	67.3	68.4	68.7	69.7	70.1	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4
GE 3000	50.0	65.6	68.7	71.6	72.7	72.9	74.0	74.4	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8
GE 2500	51.9	68.3	72.0	75.1	76.2	76.6	77.7	78.1	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4
GE 2000	54.4	71.3	75.1	78.8	80.0	80.4	81.7	82.1	82.1	82.4	82.6	82.6	82.6	82.6	82.6	82.6
GE 1800	55.2	72.6	76.3	80.0	81.2	81.7	82.9	83.3	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8
GE 1500	56.7	75.0	78.6	82.4	83.8	84.2	85.6	86.0	86.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7
GE 1200	57.0	77.0	80.9	84.9	86.7	87.1	88.6	89.1	89.1	89.4	89.8	89.8	89.8	89.8	89.8	89.8
GE 1000	57.0	78.0	82.0	86.0	88.0	88.4	90.1	90.7	90.7	91.1	91.4	91.4	91.4	91.4	91.4	91.4
GE 900	57.7	79.3	83.3	87.4	89.7	90.1	91.8	92.3	92.3	92.8	93.1	93.1	93.1	93.1	93.1	93.1
GE 800	57.8	79.6	83.6	87.7	90.0	90.4	92.2	92.8	92.8	93.2	93.6	93.6	93.6	93.6	93.6	93.6
GE 700	57.8	79.9	83.9	88.0	90.3	90.9	93.1	93.7	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4
GE 600	57.8	80.1	84.2	88.7	91.1	91.8	94.0	94.7	94.7	95.2	95.7	95.7	95.7	95.7	95.7	95.7
GE 500	57.8	80.1	84.2	88.8	91.3	92.0	94.4	95.1	95.1	95.7	96.2	96.2	96.2	96.2	96.2	96.2
GE 400	57.8	80.1	84.3	89.3	92.1	93.0	95.9	97.1	97.2	97.9	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	57.8	80.1	84.3	89.3	92.2	93.1	96.2	97.7	98.1	98.8	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	57.8	80.1	84.3	89.3	92.2	93.1	96.2	98.0	98.4	99.2	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	57.8	80.1	84.3	89.3	92.2	93.1	96.3	98.1	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	57.8	80.1	84.3	89.3	92.2	93.1	96.3	98.1	98.6	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	36.4	41.9	42.6	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 20000	42.6	49.6	50.2	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 18000	42.6	49.6	50.2	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 16000	42.7	49.8	50.4	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 14000	43.1	50.2	53.9	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 12000	44.1	51.7	52.3	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 10000	44.8	52.7	53.3	54.2	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 9000	45.9	53.9	54.9	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 8000	46.8	54.9	55.9	56.8	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 7000	47.9	56.9	57.9	58.8	59.0	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 6000	49.9	59.3	60.3	61.2	61.4	61.4	61.8	61.8	61.8	61.8	61.8	61.6	61.8	61.8	61.8	61.8
GE 5000	51.9	61.9	63.3	64.6	64.8	64.8	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 4500	53.3	64.0	65.4	66.9	67.2	67.3	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4000	54.7	65.9	67.3	68.8	69.2	69.4	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500	55.9	68.4	69.9	71.4	72.0	72.2	73.2	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3000	58.2	71.9	73.3	75.0	75.8	76.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 2500	60.1	74.3	75.9	77.7	78.8	79.0	80.2	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2000	61.4	77.0	78.6	81.0	82.2	82.6	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1800	62.0	78.0	79.8	82.1	83.3	83.7	85.2	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1500	62.6	80.0	81.8	84.1	85.4	85.8	87.3	87.3	87.3	87.7	88.0	88.0	88.0	88.0	88.0	88.0
GE 1200	63.7	82.7	84.6	87.0	88.4	88.8	90.4	90.4	90.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2
GE 1000	63.9	83.1	85.2	87.7	89.1	89.4	91.2	91.2	91.2	91.6	92.0	92.0	92.0	92.0	92.0	92.0
GE 900	64.2	83.8	86.1	88.6	90.4	90.8	92.8	92.8	92.8	93.1	93.6	93.6	93.6	93.6	93.6	93.6
GE 800	64.2	83.9	86.2	88.7	90.8	91.1	93.1	93.2	93.2	93.6	94.0	94.0	94.0	94.0	94.0	94.0
GE 700	64.2	83.9	86.2	88.7	91.0	91.4	93.4	93.9	93.9	94.3	94.9	94.9	94.9	94.9	94.9	94.9
GE 600	64.2	83.9	86.2	89.6	91.9	92.4	94.8	95.4	95.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8
GE 500	64.2	83.9	86.2	89.6	92.0	92.7	95.2	95.9	96.0	96.6	97.2	97.2	97.4	97.4	97.4	97.4
GE 400	64.2	83.9	86.2	89.8	92.2	93.0	96.1	97.2	97.3	97.9	98.6	98.6	98.8	98.8	98.8	98.8
GE 300	64.2	83.9	86.2	89.8	92.2	93.2	96.4	97.8	97.9	98.9	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	64.2	83.9	86.2	89.8	92.2	93.2	96.6	97.9	98.0	99.0	99.7	99.7	99.9	99.9	99.9	99.9
GE 100	64.2	83.9	86.2	89.8	92.2	93.2	96.6	97.9	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0
GE 0	64.2	83.9	86.2	89.8	92.2	93.2	96.6	97.9	98.0	99.0	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.8	44.6	44.9	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	43.1	51.3	51.8	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8
GE 18000	43.1	51.3	51.8	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8
GE 16000	43.1	51.3	51.8	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8
GE 14000	43.6	51.8	52.2	52.5	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3
GE 12000	45.6	53.8	54.2	54.8	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3
GE 10000	47.0	55.2	56.0	56.6	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1
GE 9000	48.2	57.2	58.0	58.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3
GE 8000	49.1	58.3	59.1	59.9	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
GE 7000	50.9	61.2	62.2	63.1	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
GE 6000	52.0	62.7	63.9	64.8	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7
GE 5000	53.7	65.7	67.0	68.1	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0
GE 4500	54.7	67.1	68.7	69.9	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9
GE 4000	56.8	69.7	71.2	72.7	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8
GE 3500	57.7	71.2	72.8	74.6	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
GE 3000	59.6	74.8	76.6	78.9	80.2	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8
GE 2500	60.8	76.7	78.9	81.4	83.1	83.4	83.8	83.8	83.8	83.8	83.8	83.6	83.9	83.9	83.9	83.9
GE 2000	62.0	78.9	81.1	83.7	85.4	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
GE 1800	62.2	80.0	82.3	84.9	86.8	87.2	87.9	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 1500	62.4	80.8	83.1	85.8	87.7	88.1	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
GE 1200	63.6	82.4	84.9	87.8	89.9	90.3	91.2	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4
GE 1000	63.8	82.9	85.3	88.6	90.9	91.4	92.3	92.3	92.3	92.4	92.4	92.4	92.6	92.6	92.6	92.6
GE 900	63.8	83.1	85.6	88.9	91.2	91.6	92.8	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1
GE 800	63.8	83.1	85.7	89.0	91.4	92.1	93.1	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 700	63.8	83.3	85.9	89.3	91.8	92.4	93.8	94.0	94.0	94.3	94.4	94.4	94.6	94.6	94.6	94.6
GE 600	63.8	83.3	86.0	90.2	92.7	93.4	94.9	95.4	95.8	96.1	96.2	96.2	96.3	96.3	96.3	96.3
GE 500	63.8	83.3	86.1	90.3	92.8	93.6	95.0	95.6	96.0	96.3	96.4	96.4	96.7	96.7	96.7	96.7
GE 400	63.8	83.4	86.2	90.8	93.2	94.0	95.6	96.4	97.2	97.9	98.0	98.0	98.2	98.2	98.2	98.2
GE 300	63.8	83.4	86.2	90.8	93.3	94.2	96.2	97.2	98.0	98.6	99.1	99.1	99.3	99.3	99.3	99.3
GE 200	63.8	83.4	86.2	90.9	93.4	94.3	96.4	97.6	98.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	63.8	83.4	86.2	90.9	93.4	94.3	96.4	97.6	98.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0
GE 0	63.8	83.4	86.2	90.9	93.4	94.3	96.4	97.6	98.3	99.4	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.4	45.1	45.9	46.2	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1
GE 20000	41.0	49.4	50.3	50.9	51.6	51.6	51.6	51.7	51.7	51.8	51.9	51.8	51.9	51.9	51.9	52.0
GE 18000	41.0	49.4	50.3	50.9	51.6	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	52.0
GE 16000	41.0	49.4	50.3	50.9	51.6	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	52.0
GE 14000	41.7	50.3	51.3	51.9	52.6	52.6	52.6	52.7	52.7	52.8	52.8	52.8	52.9	52.9	52.9	53.0
GE 12000	42.8	51.9	52.9	53.4	54.1	54.3	54.4	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.9
GE 10000	44.1	53.3	54.4	55.0	55.7	56.0	56.2	56.3	56.3	56.4	56.4	56.4	56.6	56.6	56.6	56.7
GE 9000	45.7	55.1	56.2	56.9	57.6	57.9	58.1	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.6
GE 8000	46.2	56.1	57.2	57.9	58.6	58.9	59.1	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.6
GE 7000	47.8	58.1	59.2	59.9	60.6	60.9	61.1	61.2	61.2	61.3	61.4	61.4	61.6	61.6	61.6	61.7
GE 6000	48.9	59.8	60.9	61.7	62.3	62.7	62.9	63.0	63.0	63.1	63.2	63.2	63.3	63.3	63.3	63.4
GE 5000	50.8	62.2	63.7	64.8	65.4	65.8	66.0	66.2	66.2	66.3	66.4	66.4	66.6	66.6	66.6	66.7
GE 4500	51.8	64.3	66.0	67.8	68.4	68.8	69.1	69.3	69.3	69.6	69.8	69.8	69.9	69.9	69.9	70.0
GE 4000	53.2	66.2	68.1	70.1	70.9	71.4	71.8	72.0	72.0	72.2	72.4	72.4	72.6	72.6	72.6	72.7
GE 3500	54.0	67.8	69.8	71.9	72.7	73.2	73.6	73.8	73.8	74.0	74.2	74.2	74.3	74.3	74.3	74.4
GE 3000	55.4	70.8	73.2	76.1	76.9	77.4	77.8	78.0	78.0	78.2	78.4	78.4	78.6	78.6	78.6	78.7
GE 2500	57.1	73.4	76.0	79.4	80.3	80.9	81.2	81.4	81.4	81.7	82.0	82.0	82.1	82.1	82.1	82.2
GE 2000	58.7	75.9	78.8	82.3	83.4	84.0	84.6	84.8	84.8	85.0	85.3	85.3	85.4	85.4	85.4	85.6
GE 1800	58.9	76.6	79.4	83.0	84.1	84.7	85.2	85.4	85.4	85.7	86.0	86.0	86.1	86.1	86.1	86.2
GE 1500	59.7	77.4	80.3	83.9	85.1	85.7	86.2	86.4	86.4	86.7	87.0	87.0	87.1	87.1	87.1	87.2
GE 1200	60.1	80.0	83.1	86.8	88.2	88.9	89.4	89.8	89.8	90.1	90.4	90.4	90.6	90.6	90.6	90.7
GE 1000	60.3	80.9	84.0	87.8	89.3	90.0	90.6	91.0	91.0	91.3	91.7	91.7	91.8	91.8	91.8	91.9
GE 900	60.3	81.4	84.8	88.8	90.4	91.1	91.7	92.1	92.1	92.4	92.8	92.8	92.9	92.9	92.9	93.0
GE 800	60.3	81.7	85.0	89.0	90.7	91.4	92.0	92.8	92.8	93.3	93.7	93.7	93.8	93.8	93.8	93.9
GE 700	60.3	82.2	85.6	89.7	91.3	92.1	92.7	93.4	93.4	94.0	94.3	94.3	94.4	94.4	94.4	94.6
GE 600	60.4	82.4	85.8	90.1	91.8	92.6	93.3	94.1	94.1	94.7	95.0	95.0	95.1	95.1	95.1	95.2
GE 500	60.7	82.7	86.0	90.6	92.3	93.1	93.9	94.7	94.7	95.3	95.7	95.7	95.8	95.8	95.8	95.9
GE 400	60.7	82.7	86.2	91.0	93.1	93.9	94.9	95.7	95.8	96.6	96.9	96.9	97.0	97.0	97.1	97.2
GE 300	60.7	82.7	86.3	91.1	93.6	94.4	95.4	96.3	96.4	97.3	97.7	97.7	97.9	97.9	98.0	98.1
GE 200	60.7	82.7	86.3	91.3	93.9	94.8	95.9	96.8	97.1	98.3	98.7	98.7	98.9	98.9	99.0	99.1
GE 100	60.7	82.7	86.3	91.3	93.9	95.0	96.1	97.0	97.3	98.7	99.0	99.0	99.2	99.2	99.3	99.6
GE 0	60.7	82.7	86.3	91.3	93.9	95.0	96.1	97.0	97.3	98.7	99.0	99.0	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.5	38.8	40.0	41.1	42.0	42.1	42.5	42.8	42.9	43.1	43.1	43.1	43.3	43.3	43.5	43.5
GE 20000	34.2	42.9	44.1	45.5	46.4	46.5	46.9	47.2	47.3	47.6	47.6	47.6	47.9	47.8	48.0	48.1
GE 18000	34.2	42.9	44.1	45.5	46.4	46.5	46.9	47.2	47.3	47.6	47.6	47.6	47.9	47.9	48.0	48.1
GE 16000	34.3	42.9	44.2	45.5	46.4	46.5	47.0	47.3	47.3	47.6	47.7	47.7	47.9	47.9	48.1	48.2
GE 14000	34.7	43.4	44.7	46.0	46.9	47.0	47.5	47.7	47.8	48.1	48.2	48.2	48.4	48.4	48.6	48.7
GE 12000	35.6	44.7	46.0	47.3	48.3	48.4	48.9	49.2	49.3	49.5	49.6	49.6	49.8	49.8	50.0	50.1
GE 10000	36.5	46.1	47.4	48.9	49.8	50.0	50.5	50.8	50.9	51.2	51.3	51.3	51.5	51.5	51.7	51.8
GE 9000	37.6	47.7	49.1	50.8	51.7	51.9	52.5	52.8	52.9	53.2	53.2	53.2	53.4	53.4	53.7	53.8
GE 8000	38.2	48.5	50.0	51.7	52.6	52.8	53.4	53.8	53.8	54.2	54.2	54.2	54.5	54.5	54.7	54.8
GE 7000	39.6	50.7	52.2	54.0	55.0	55.2	55.9	56.2	56.3	56.6	56.7	56.7	57.0	57.0	57.2	57.3
GE 6000	40.3	52.0	53.6	55.5	56.6	56.8	57.5	57.8	57.9	58.3	58.3	58.3	58.6	58.6	58.8	58.9
GE 5000	42.0	54.6	56.6	58.8	60.0	60.3	61.0	61.4	61.6	61.9	62.0	62.0	62.3	62.3	62.5	62.6
GE 4500	43.2	56.8	59.0	61.6	63.0	63.2	64.1	64.6	64.7	65.1	65.2	65.2	65.5	65.5	65.7	65.8
GE 4000	44.4	58.6	60.9	63.7	65.2	65.5	66.4	66.9	67.1	67.5	67.5	67.5	67.8	67.8	68.1	68.2
GE 3500	46.2	61.1	63.4	66.5	68.0	68.4	69.4	69.9	70.1	70.5	70.6	70.6	70.9	70.9	71.2	71.3
GE 3000	48.1	64.5	67.1	70.7	72.3	72.7	73.8	74.3	74.5	75.0	75.1	75.1	75.4	75.4	75.6	75.8
GE 2500	50.1	67.2	70.1	74.0	75.8	76.2	77.4	78.0	78.1	78.6	78.8	78.8	79.1	79.1	79.3	79.4
GE 2000	51.7	70.1	73.2	77.3	79.3	79.9	81.2	81.8	82.0	82.5	82.7	82.7	83.0	83.0	83.2	83.4
GE 1800	52.1	71.0	74.1	78.3	80.3	80.9	82.3	82.9	83.1	83.6	83.8	83.8	84.1	84.1	84.3	84.5
GE 1500	52.8	72.5	75.6	79.8	81.8	82.5	83.9	84.5	84.7	85.3	85.5	85.5	85.8	85.8	86.1	86.2
GE 1200	53.5	74.3	77.6	82.0	84.2	84.8	86.4	87.1	87.3	87.9	88.2	88.2	88.5	88.5	88.7	88.9
GE 1000	53.6	75.0	78.3	82.9	85.1	85.8	87.5	88.3	88.5	89.1	89.4	89.4	89.7	89.7	89.9	90.1
GE 900	53.8	75.6	79.0	83.8	86.2	86.8	88.6	89.4	89.6	90.3	90.6	90.6	90.9	90.9	91.1	91.3
GE 800	53.9	75.8	79.2	84.0	86.5	87.3	89.1	90.0	90.1	90.9	91.1	91.1	91.4	91.4	91.7	91.8
GE 700	53.9	76.1	79.5	84.5	87.0	87.8	89.7	90.7	90.9	91.7	92.0	92.0	92.3	92.3	92.5	92.7
GE 600	53.9	76.3	79.8	85.2	87.8	88.7	90.9	92.0	92.2	93.0	93.4	93.4	93.7	93.7	93.9	94.1
GE 500	54.0	76.4	80.0	85.5	88.2	89.1	91.5	92.6	92.8	93.7	94.1	94.1	94.4	94.4	94.7	94.8
GE 400	54.0	76.5	80.2	85.9	88.9	89.9	92.5	93.9	94.2	95.2	95.5	95.5	95.9	95.9	96.2	96.3
GE 300	54.0	76.6	80.3	86.2	89.2	90.3	93.1	94.6	95.0	96.2	96.6	96.6	97.0	97.0	97.3	97.5
GE 200	54.0	76.6	80.3	86.3	89.3	90.4	93.5	95.2	95.6	97.1	97.5	97.5	98.0	98.0	98.4	98.5
GE 100	54.0	76.6	80.3	86.3	89.4	90.6	93.7	95.4	95.9	97.4	97.9	97.9	98.5	98.5	99.0	99.5
GE 0	54.0	76.6	80.3	86.3	89.4	90.6	93.7	95.4	95.9	97.5	98.0	98.0	98.6	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.2	43.1	43.3	44.2	44.6	44.7	44.9	45.3	45.3	45.4	45.7	45.7	45.7	45.7	45.8	46.0
GE 20000	40.5	45.1	45.3	46.3	46.8	46.9	47.1	47.4	47.4	47.5	47.8	47.8	48.0	48.0	48.1	48.4
GE 18000	40.5	45.1	45.3	46.3	46.8	46.9	47.1	47.4	47.4	47.5	47.8	47.8	48.0	48.0	48.1	48.4
GE 16000	40.5	45.1	45.3	46.3	46.8	46.9	47.1	47.4	47.4	47.5	47.8	47.8	48.0	48.0	48.1	48.4
GE 14000	40.9	45.4	45.6	46.7	47.1	47.2	47.4	47.7	47.7	47.8	48.2	48.2	48.3	48.3	48.4	48.7
GE 12000	41.2	45.7	45.9	47.0	47.4	47.5	47.7	48.1	48.1	48.2	48.5	48.5	48.6	48.6	48.7	49.0
GE 10000	41.7	46.5	46.7	47.7	48.2	48.3	48.5	48.8	48.8	48.9	49.2	49.2	49.4	49.4	49.5	49.8
GE 9000	42.0	47.4	47.6	48.7	49.1	49.2	49.5	49.8	49.8	49.9	50.2	50.2	50.3	50.3	50.4	50.8
GE 8000	42.6	48.4	48.6	49.7	50.1	50.2	50.4	50.8	50.8	50.9	51.2	51.2	51.3	51.3	51.4	51.7
GE 7000	43.7	49.7	49.9	51.0	51.4	51.5	51.7	52.0	52.0	52.2	52.6	52.6	52.7	52.7	52.8	53.1
GE 6000	44.5	50.9	51.1	52.2	52.6	52.7	52.9	53.2	53.2	53.3	53.8	53.8	53.9	53.9	54.0	54.3
GE 5000	47.8	55.3	55.5	56.7	57.1	57.2	57.4	57.7	57.7	57.8	58.3	58.3	58.4	58.4	58.5	58.8
GE 4500	50.8	59.1	59.5	60.6	61.2	61.3	61.5	61.8	61.8	62.2	62.6	62.6	62.7	62.7	62.8	63.1
GE 4000	52.3	61.1	61.4	62.8	63.3	63.4	63.7	64.0	64.0	64.3	64.7	64.7	64.8	64.8	64.9	65.3
GE 3500	54.5	64.7	65.1	66.6	67.3	67.4	67.6	68.0	68.0	68.3	68.7	68.7	68.8	68.8	68.9	69.2
GE 3000	57.1	68.6	69.0	70.8	71.5	71.9	72.3	72.6	72.6	72.9	73.3	73.3	73.4	73.4	73.5	73.9
GE 2500	59.8	73.9	74.3	76.0	76.9	77.3	77.6	78.0	78.0	78.3	78.7	78.7	78.8	78.8	78.9	79.2
GE 2000	61.8	77.7	78.4	80.2	81.2	81.6	81.9	82.3	82.3	82.6	83.0	83.0	83.1	83.1	83.2	83.5
GE 1800	62.4	79.0	79.7	81.5	82.5	82.9	83.2	83.5	83.5	83.9	84.3	84.3	84.4	84.4	84.5	84.8
GE 1500	62.9	80.9	81.5	83.4	84.4	84.8	85.2	85.5	85.5	85.8	86.2	86.2	86.3	86.3	86.5	86.8
GE 1200	63.8	83.0	83.7	85.6	86.7	87.1	87.4	87.7	87.7	88.1	88.5	88.5	88.6	88.6	88.7	89.0
GE 1000	63.8	83.4	84.3	86.3	87.5	88.0	88.3	88.7	88.7	89.0	89.5	89.5	89.6	89.6	89.7	90.0
GE 900	63.9	83.9	84.9	87.2	88.4	88.9	89.4	89.9	89.9	90.2	90.6	90.6	90.8	90.8	90.9	91.2
GE 800	63.9	84.0	85.2	87.5	88.7	89.2	89.7	90.2	90.2	90.5	91.0	91.0	91.1	91.1	91.2	91.5
GE 700	63.9	84.2	85.5	88.4	89.6	90.1	90.5	91.1	91.1	91.4	91.8	91.8	91.9	91.9	92.0	92.4
GE 600	63.9	84.4	85.9	88.8	90.0	90.6	91.2	91.7	91.7	92.0	92.5	92.5	92.6	92.6	92.7	93.0
GE 500	63.9	84.5	86.0	89.1	90.5	91.3	91.8	92.9	93.0	93.3	93.8	93.8	93.9	93.9	94.0	94.3
GE 400	63.9	84.5	86.[illegible]	89.2	90.6	91.4	92.2	93.4	93.5	93.9	94.3	94.3	94.4	94.4	94.5	94.8
GE 300	63.9	84.5	86.3	90.0	91.6	92.5	93.4	94.7	95.2	95.6	96.0	96.0	96.1	96.1	96.2	96.6
GE 200	63.9	84.5	86.3	90.0	91.6	92.7	94.0	95.5	96.1	96.6	97.2	97.2	97.3	97.3	97.4	97.7
GE 100	63.9	84.5	86.3	90.0	91.7	92.8	94.1	95.7	96.3	96.8	97.4	97.4	97.6	97.6	98.1	98.7
GE 0	63.9	84.5	86.3	90.0	91.7	92.8	94.1	95.7	96.3	96.9	97.5	97.5	97.7	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
	VISIBILITY IN STATUTE MILES															
NO CEIL	35.8	39.9	39.9	40.3	41.2	41.2	41.3	41.6	41.6	41.7	41.9	41.9	43.0	43.0	44.1	44.3
GE 20000	36.7	41.4	41.4	41.8	42.7	42.7	42.8	43.1	43.1	43.2	43.8	43.8	44.8	44.8	45.9	46.3
GE 18000	36.7	41.4	41.4	41.8	42.7	42.7	42.8	43.1	43.1	43.2	43.8	43.8	44.8	44.8	45.9	46.3
GE 16000	36.7	41.4	41.4	41.8	42.7	42.7	42.8	43.1	43.1	43.2	43.8	43.8	44.8	44.8	45.9	46.3
GE 14000	36.9	41.6	41.6	42.0	42.9	42.9	43.0	43.3	43.3	43.4	44.0	44.0	45.1	45.1	46.1	46.6
GE 12000	37.2	41.9	41.9	42.4	43.2	43.2	43.3	43.7	43.7	43.8	44.3	44.3	45.4	45.4	46.5	46.9
GE 10000	37.8	43.0	43.0	43.4	44.4	44.4	44.5	44.8	44.8	44.9	45.5	45.5	46.6	46.6	47.6	48.1
GE 9000	38.8	44.4	44.4	44.8	45.8	45.8	45.9	46.2	46.2	46.3	46.9	46.9	48.0	48.0	49.0	49.5
GE 8000	40.3	46.3	46.3	46.8	47.7	47.7	47.8	48.2	48.2	48.3	48.8	48.8	49.9	49.9	51.0	51.4
GE 7000	41.1	47.4	47.4	47.8	48.9	48.9	49.0	49.4	49.4	49.6	50.1	50.1	51.2	51.2	52.3	52.7
GE 6000	42.7	49.5	49.5	49.9	51.0	51.0	51.1	51.4	51.4	51.6	52.2	52.2	53.2	53.2	54.3	54.7
GE 5000	45.4	53.2	53.2	53.8	54.8	54.8	54.9	55.3	55.3	55.5	56.0	56.0	57.1	57.1	58.2	58.6
GE 4500	47.5	56.3	56.5	57.0	58.1	58.1	58.2	58.5	58.5	58.7	59.2	59.2	60.3	60.3	61.4	61.8
GE 4000	48.7	58.2	58.3	58.6	59.9	59.9	60.0	60.3	60.3	60.5	61.1	61.1	62.2	62.2	63.2	63.7
GE 3500	50.4	61.2	61.3	62.0	63.1	63.1	63.2	63.5	63.5	63.8	64.3	64.3	65.4	65.4	66.5	66.9
GE 3000	54.4	66.1	66.2	67.5	68.8	68.9	69.0	69.4	69.4	69.6	70.1	70.1	71.2	71.2	72.3	72.7
GE 2500	57.3	70.8	71.0	72.9	74.5	74.6	74.7	75.1	75.1	75.3	75.8	75.8	77.0	77.0	78.1	78.5
GE 2000	60.2	75.1	75.3	77.6	79.4	79.5	79.6	79.9	79.9	80.1	80.6	80.6	81.8	81.8	82.9	83.3
GE 1800	60.9	76.5	76.8	79.1	80.9	81.0	81.1	81.4	81.4	81.6	82.2	82.2	83.3	83.3	84.4	84.8
GE 1500	61.8	78.3	78.6	81.2	83.0	83.2	83.3	83.7	83.7	83.9	84.4	84.4	85.6	85.6	86.7	87.1
GE 1200	62.4	80.0	80.4	83.3	85.2	85.4	85.5	85.9	85.9	86.1	86.7	86.7	87.8	87.8	88.9	89.4
GE 1000	62.4	80.4	80.9	84.1	85.9	86.1	86.2	86.7	86.7	86.9	87.4	87.4	88.6	88.6	89.7	90.1
GE 900	62.4	80.9	81.3	84.6	86.5	86.7	86.9	87.3	87.3	87.5	88.1	88.1	89.2	89.2	90.3	90.8
GE 800	62.4	81.2	81.6	85.1	86.9	87.1	87.3	87.7	87.7	88.0	88.5	88.5	89.7	89.7	90.9	91.3
GE 700	62.4	81.3	81.7	85.2	87.0	87.2	87.5	88.0	88.0	88.2	88.7	88.7	89.9	89.9	91.1	91.5
GE 600	62.4	81.8	82.3	85.8	88.0	88.4	88.8	89.4	89.4	89.7	90.2	90.2	91.4	91.4	92.6	93.0
GE 500	62.4	81.9	82.4	85.9	88.2	88.6	89.1	89.7	90.0	90.3	90.9	90.9	92.0	92.0	93.2	93.7
GE 400	62.4	82.4	82.6	86.9	89.1	89.7	90.3	91.6	91.9	92.3	92.8	92.8	94.3	94.3	95.5	95.9
GE 300	62.4	82.4	82.8	87.0	89.6	90.2	90.9	92.2	92.6	92.9	93.4	93.4	94.9	94.9	96.1	96.6
GE 200	62.4	82.5	82.9	87.4	90.4	91.1	91.7	93.0	93.4	93.8	94.5	94.5	96.1	96.1	97.3	97.7
GE 100	62.4	82.5	82.9	87.4	90.4	91.1	91.7	93.3	93.8	94.4	95.2	95.2	97.1	97.1	98.4	99.1
GE 0	62.4	82.5	82.9	87.4	90.4	91.1	91.7	93.3	93.8	94.4	95.2	95.2	97.1	97.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.6	37.4	37.8	39.0	39.2	39.4	39.5	39.6	39.6	39.8	39.9	39.9	41.5	41.5	42.3	42.6
GE 20000	34.1	39.9	40.3	41.7	42.3	42.4	42.5	42.6	42.6	42.8	42.9	42.9	44.5	44.5	45.3	45.8
GE 18000	34.1	39.9	40.3	41.7	42.3	42.4	42.5	42.6	42.6	42.8	42.9	42.9	44.5	44.5	45.3	45.8
GE 16000	34.1	39.9	40.3	41.7	42.3	42.4	42.5	42.6	42.6	42.8	42.9	42.9	44.5	44.5	45.3	45.8
GE 14000	34.4	40.2	40.6	42.0	42.6	42.7	42.8	42.9	42.9	43.1	43.2	43.2	44.8	44.8	45.6	46.1
GE 12000	35.2	41.0	41.4	42.8	43.4	43.5	43.7	43.8	43.8	44.0	44.1	44.1	45.7	45.7	46.5	47.0
GE 10000	35.9	41.8	42.3	43.8	44.4	44.5	44.6	44.7	44.7	44.9	45.1	45.1	46.7	46.7	47.4	48.0
GE 9000	36.2	42.5	43.0	44.5	45.2	45.3	45.4	45.5	45.5	45.7	45.8	45.8	47.4	47.4	48.2	48.7
GE 8000	36.8	43.0	43.7	45.2	45.8	45.9	46.0	46.1	46.1	46.3	46.5	46.5	48.1	48.1	48.8	49.4
GE 7000	37.8	44.9	45.6	47.4	48.1	48.2	48.5	48.6	48.6	48.9	49.0	49.0	50.8	50.8	51.5	52.0
GE 6000	38.8	46.2	46.9	48.7	49.4	49.5	49.8	49.9	49.9	50.2	50.3	50.3	52.0	52.0	52.8	53.3
GE 5000	41.2	49.5	50.2	52.0	52.8	52.9	53.3	53.4	53.4	53.8	53.9	53.9	55.6	55.6	56.3	56.9
GE 4500	43.1	51.9	52.7	54.5	55.4	55.5	55.9	56.1	56.1	56.6	56.7	56.7	58.4	58.4	59.1	59.7
GE 4000	44.7	54.3	55.2	57.1	58.1	58.2	58.6	58.8	58.8	59.4	59.5	59.5	61.2	61.2	62.0	62.7
GE 3500	46.1	56.3	57.2	59.4	60.3	60.4	60.9	61.1	61.1	61.7	61.8	61.8	63.5	63.5	64.4	65.1
GE 3000	49.6	61.3	62.3	64.6	65.6	65.6	66.2	66.6	66.6	67.2	67.3	67.3	69.1	69.1	70.0	70.6
GE 2500	53.0	66.7	67.7	70.6	71.7	71.9	72.6	72.9	72.9	73.7	73.8	73.8	75.6	75.6	76.5	77.1
GE 2000	54.9	70.6	71.9	76.0	77.4	77.6	78.3	78.6	78.6	79.5	79.6	79.6	81.4	81.4	82.3	82.9
GE 1800	55.9	71.9	73.3	77.5	78.9	79.1	79.9	80.2	80.2	81.1	81.2	81.2	83.0	83.0	83.9	84.5
GE 1500	56.9	73.5	74.9	79.6	81.0	81.3	82.2	82.6	82.6	83.5	83.7	83.7	85.5	85.5	86.3	87.0
GE 1200	57.1	75.4	76.8	81.5	82.9	83.2	84.3	84.7	84.7	85.7	85.8	85.8	87.6	87.6	88.5	89.1
GE 1000	57.5	76.1	77.6	82.5	83.9	84.2	85.6	86.0	86.0	87.1	87.2	87.2	89.0	89.0	89.9	90.5
GE 900	57.5	76.2	77.7	82.8	84.2	84.6	86.1	86.7	86.7	87.7	87.8	87.8	89.7	89.7	90.6	91.4
GE 800	57.5	76.5	78.1	83.3	84.7	85.2	86.8	87.3	87.3	88.4	88.5	88.5	90.3	90.3	91.3	92.0
GE 700	57.5	76.6	78.2	83.5	84.9	85.4	87.0	87.5	87.5	88.6	88.7	88.7	90.5	90.5	91.5	92.3
GE 600	57.5	76.8	78.7	84.3	85.7	86.1	87.7	88.7	88.7	89.8	89.9	89.9	91.7	91.7	92.7	93.4
GE 500	57.5	77.0	79.0	84.6	86.0	86.5	88.4	89.4	89.5	90.5	90.6	90.6	92.5	92.5	93.4	94.2
GE 400	57.5	77.1	79.1	84.7	86.3	86.8	88.7	90.3	90.4	92.0	92.4	92.4	94.4	94.4	95.4	96.1
GE 300	57.5	77.1	79.1	84.8	86.7	87.2	89.1	90.9	91.0	93.0	93.3	93.3	95.4	95.4	96.3	97.1
GE 200	57.5	77.2	79.2	85.1	87.0	87.6	89.8	91.8	91.9	94.3	94.7	94.7	96.8	96.8	97.7	98.5
GE 100	57.5	77.2	79.2	85.1	87.0	87.6	89.8	92.0	92.2	94.6	95.1	95.1	97.3	97.3	98.5	99.4
GE 0	57.5	77.2	79.2	85.1	87.0	87.6	89.8	92.0	92.2	94.7	95.2	95.2	97.4	97.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.3	37.6	38.2	39.2	40.3	40.4	40.6	40.8	40.8	41.2	41.2	41.2	41.3	41.3	41.6	41.7
GE 20000	33.9	42.3	43.2	44.7	45.8	45.9	46.1	46.2	46.2	46.7	46.7	46.7	46.8	46.8	47.2	47.3
GE 18000	33.9	42.3	43.2	44.7	45.8	45.9	46.1	46.2	46.2	46.7	46.7	46.7	46.8	46.8	47.2	47.3
GE 16000	33.9	42.3	43.2	44.7	45.8	45.9	46.1	46.2	46.2	46.7	46.7	46.7	46.8	46.8	47.2	47.3
GE 14000	34.2	42.6	43.5	45.1	46.1	46.2	46.5	46.6	46.6	47.0	47.0	47.0	47.1	47.1	47.5	47.6
GE 12000	34.9	43.5	44.5	46.1	47.2	47.3	47.5	47.6	47.6	48.1	48.1	48.1	48.2	48.2	48.6	48.7
GE 10000	35.2	43.9	44.8	46.5	47.5	47.6	47.8	48.0	48.0	48.4	48.4	48.4	48.5	48.5	48.9	49.0
GE 9000	35.3	44.2	45.2	47.2	48.3	48.4	48.6	48.7	48.7	49.1	49.1	49.1	49.2	49.2	49.7	49.8
GE 8000	36.0	45.2	46.1	48.2	49.2	49.4	49.6	49.7	49.7	50.1	50.1	50.1	50.2	50.2	50.6	50.8
GE 7000	38.1	47.7	48.7	50.9	51.9	52.0	52.3	52.4	52.4	52.8	52.8	52.8	52.9	52.9	53.3	53.4
GE 6000	39.2	49.4	50.3	52.7	54.0	54.1	54.3	54.4	54.4	54.8	54.8	54.8	54.9	54.9	55.4	55.5
GE 5000	40.4	51.5	52.5	54.9	56.7	56.9	57.1	57.2	57.2	57.6	57.6	57.6	57.7	57.7	58.2	58.3
GE 4500	41.5	53.4	54.9	58.4	60.9	61.1	61.5	61.7	61.7	62.2	62.2	62.2	62.3	62.3	62.7	62.8
GE 4000	42.6	54.8	56.6	60.1	62.6	62.9	63.3	63.8	63.8	64.2	64.2	64.2	64.3	64.3	64.7	64.8
GE 3500	44.2	57.6	59.7	63.8	66.3	66.7	67.2	67.6	67.6	68.3	68.3	68.3	68.4	68.4	68.8	68.9
GE 3000	46.2	60.2	62.4	67.0	69.9	70.4	71.3	71.8	71.8	72.5	72.5	72.5	72.6	72.6	73.1	73.2
GE 2500	48.2	63.2	65.6	71.2	74.2	74.7	75.8	76.5	76.5	77.2	77.2	77.2	77.3	77.3	77.8	78.0
GE 2000	50.5	66.9	69.5	75.5	78.7	79.2	80.3	81.0	81.0	81.7	81.7	81.7	81.8	81.8	82.4	82.5
GE 1800	52.3	69.7	72.4	78.7	82.0	82.6	83.7	84.4	84.4	85.3	85.5	85.5	85.6	85.6	86.1	86.2
GE 1500	52.7	70.8	73.5	80.0	83.3	83.9	85.1	85.8	85.8	86.7	86.9	86.9	87.0	87.0	87.5	87.6
GE 1200	53.2	71.9	74.8	81.6	85.1	85.8	87.0	87.7	87.7	88.7	88.9	88.9	89.0	89.0	89.6	89.7
GE 1000	53.3	72.2	75.2	82.0	85.6	86.5	87.6	88.4	88.4	89.4	89.6	89.6	89.7	89.7	90.2	90.3
GE 900	53.7	72.7	75.7	82.7	86.2	87.1	88.5	89.2	89.2	90.2	90.4	90.4	90.5	90.5	91.1	91.2
GE 800	54.0	73.0	76.1	83.1	86.7	87.5	89.0	89.9	89.9	90.9	91.1	91.1	91.2	91.2	91.7	91.8
GE 700	54.0	73.0	76.1	83.3	86.9	87.8	89.6	90.5	90.5	91.5	91.7	91.7	91.8	91.8	92.4	92.5
GE 600	54.0	73.0	76.3	83.9	87.4	88.4	90.1	91.6	91.6	92.7	92.9	92.9	93.0	93.0	93.5	93.7
GE 500	54.0	73.1	76.5	84.1	87.6	88.8	90.5	92.0	92.0	93.2	93.4	93.4	93.5	93.5	94.1	94.2
GE 400	54.0	73.1	76.5	84.1	87.6	88.9	90.8	92.5	92.5	94.0	94.2	94.2	94.3	94.3	94.8	94.9
GE 300	54.0	73.1	76.6	84.2	88.0	89.5	91.4	93.7	93.7	95.5	95.9	95.9	96.2	96.2	96.8	96.9
GE 200	54.0	73.1	76.6	84.3	88.1	89.6	91.8	94.5	94.5	96.5	97.6	97.6	98.0	98.0	98.9	99.0
GE 100	54.0	73.1	76.6	84.3	88.1	89.6	91.9	94.6	94.6	96.9	98.1	98.1	98.4	98.4	99.6	99.7
GE 0	54.0	73.1	76.6	84.3	88.1	89.6	91.9	94.6	94.6	96.9	98.1	98.1	98.4	98.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.6	44.6	44.7	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
GE 20000	43.2	50.3	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
GE 18000	43.3	50.4	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 16000	43.3	50.4	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 14000	44.2	51.3	51.4	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
GE 12000	45.6	52.9	53.0	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
GE 10000	46.6	54.1	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 9000	46.6	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	47.2	55.3	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 7000	47.6	56.1	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 6000	48.3	57.0	57.4	57.7	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	50.4	59.7	60.3	60.8	60.9	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 4500	52.2	62.3	63.4	64.1	64.4	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4000	52.7	63.4	64.8	65.9	66.5	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 3500	54.3	65.9	67.6	68.8	69.4	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 3000	56.6	69.6	71.4	72.9	73.5	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 2500	59.2	72.9	74.8	76.5	77.1	77.4	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2000	61.8	76.9	78.8	80.5	81.4	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1800	62.7	78.4	80.3	82.3	83.1	83.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1500	63.5	80.0	81.9	84.0	84.8	85.2	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1200	64.4	82.2	84.2	86.7	87.5	88.2	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1000	64.4	82.6	84.8	87.3	88.2	88.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1
GE 900	64.5	83.0	85.4	88.1	89.0	89.7	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
GE 800	64.6	83.1	85.6	88.4	89.4	90.0	91.2	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.6	91.6
GE 700	64.7	83.2	85.7	88.6	89.6	90.2	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0
GE 600	64.8	83.8	86.2	89.2	90.4	91.1	92.6	93.1	93.1	93.7	93.7	93.7	93.7	93.7	93.8	93.8
GE 500	64.8	84.0	86.5	89.7	90.9	91.7	93.7	94.4	94.4	94.9	94.9	94.9	94.9	94.9	95.1	95.1
GE 400	64.8	84.0	86.5	89.9	91.2	92.3	94.5	95.4	95.4	96.1	96.1	96.1	96.2	96.2	96.3	96.3
GE 300	64.8	84.0	86.5	89.9	91.3	92.4	94.9	96.6	96.6	97.6	97.7	97.7	97.8	97.8	98.0	98.0
GE 200	64.8	84.0	86.5	89.9	91.3	92.4	95.1	96.9	96.9	98.7	98.8	98.8	99.2	99.2	99.4	99.4
GE 100	64.8	84.0	86.5	89.9	91.3	92.4	95.1	96.9	97.0	98.8	99.0	99.0	99.6	99.6	99.7	99.7
GE 0	64.8	84.0	86.5	89.9	91.3	92.4	95.1	96.9	97.0	98.8	99.0	99.0	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.0	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 20000	47.8	51.7	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	48.0	51.9	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 16000	48.1	52.0	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 14000	48.9	52.9	53.1	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
GE 12000	50.3	54.6	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 10000	51.3	55.7	55.9	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
GE 9000	51.9	56.6	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 8000	52.7	57.4	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000	54.6	59.5	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 6000	55.8	60.6	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 5000	58.0	63.8	64.2	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 4500	59.7	66.5	67.1	67.3	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 4000	60.5	68.0	68.7	68.9	69.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 3500	62.8	70.9	72.0	72.3	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3000	65.4	74.5	75.8	76.5	77.0	77.1	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 2500	67.7	78.4	79.8	80.4	81.1	81.2	81.9	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3
GE 2000	69.0	80.8	82.4	83.1	83.9	84.0	84.7	84.8	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3
GE 1800	69.8	81.8	83.4	84.2	85.1	85.2	85.9	86.0	86.1	86.2	86.5	86.5	86.5	86.5	86.5	86.5
GE 1500	70.2	83.3	85.1	86.2	87.1	87.2	88.0	88.1	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5
GE 1200	71.1	85.3	87.2	88.5	89.6	89.7	90.4	90.5	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	71.1	85.5	87.4	88.7	90.0	90.1	90.9	91.0	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5
GE 900	71.2	85.6	87.7	89.0	90.4	90.5	91.4	91.5	91.6	91.9	92.2	92.2	92.2	92.2	92.2	92.2
GE 800	71.2	85.8	88.1	89.4	90.8	90.9	91.7	91.9	92.0	92.4	92.6	92.6	92.6	92.6	92.6	92.6
GE 700	71.2	85.9	88.2	89.8	91.2	91.4	92.6	92.8	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5
GE 600	71.2	86.0	88.3	90.4	91.8	92.0	93.7	93.9	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.6
GE 500	71.2	86.0	88.3	90.5	91.9	92.2	94.5	94.9	95.1	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 400	71.2	86.1	88.5	91.2	93.0	93.2	96.0	96.5	96.6	97.5	97.7	97.7	97.8	97.8	97.8	97.8
GE 300	71.2	86.1	88.5	91.2	93.0	93.2	96.1	96.7	96.8	98.2	98.6	98.6	98.7	98.7	98.7	98.7
GE 200	71.2	86.1	88.5	91.2	93.0	93.2	96.1	96.9	97.0	99.0	99.5	99.5	99.9	99.9	99.9	99.9
GE 100	71.2	86.1	88.5	91.2	93.0	93.2	96.1	97.0	97.1	99.1	99.6	99.6	100.0	100.0	100.0	100.0
GE 0	71.2	86.1	88.5	91.2	93.0	93.2	96.1	97.0	97.1	99.1	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1800-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.5	48.4	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	48.8
GE 20000	47.8	52.7	53.1	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
GE 18000	47.8	52.8	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 16000	47.8	52.8	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 14000	48.2	53.1	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 12000	50.0	55.1	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 10000	51.0	56.1	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 9000	52.5	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	58.4
GE 8000	53.0	58.5	58.9	58.9	58.9	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 7000	54.6	60.3	60.8	60.8	61.0	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	56.0	62.0	62.5	62.5	62.7	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 5000	58.3	64.8	65.4	65.4	65.6	65.7	65.9	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	60.0	66.9	67.5	67.6	67.8	68.0	68.2	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4000	61.3	68.7	69.7	69.8	70.0	70.1	70.3	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3500	64.1	71.9	73.0	73.3	73.5	73.7	73.9	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3000	65.6	74.9	76.1	76.5	76.9	77.0	77.2	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2500	67.5	78.7	80.3	80.8	81.3	81.5	81.7	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	69.0	81.6	83.3	84.1	84.7	84.9	85.3	86.2	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1800	69.4	82.2	84.3	85.3	85.9	86.1	86.5	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	69.7	83.8	86.0	87.1	87.7	88.0	88.3	89.2	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1200	70.0	85.3	87.8	88.9	89.7	89.9	90.3	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1000	70.0	85.7	88.6	89.8	90.6	90.9	91.3	92.3	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 900	70.0	86.0	89.0	90.2	91.2	91.4	91.9	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	70.1	86.3	89.4	90.6	91.8	92.0	92.6	93.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 700	70.1	86.5	89.5	90.8	92.0	92.3	92.9	94.1	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	70.2	86.8	89.8	91.2	92.5	92.7	93.7	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 500	70.2	86.8	89.8	91.2	92.5	92.7	93.8	94.9	95.2	95.8	95.8	95.8	95.9	95.9	95.9	95.9
GE 400	70.2	86.8	89.8	91.4	93.1	93.4	94.7	96.0	96.5	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 300	70.2	86.8	89.8	91.4	93.7	94.0	95.5	96.8	97.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 200	70.2	86.8	89.8	91.4	93.8	94.2	95.7	97.3	98.1	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 100	70.2	86.8	89.8	91.4	93.8	94.2	95.7	97.3	98.1	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 0	70.2	86.8	89.8	91.4	93.8	94.2	95.7	97.3	98.1	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.3	46.7	47.3	47.3	47.5	47.5	47.8	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.2
GE 20000	44.0	49.1	49.8	49.8	50.1	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.8	50.8	50.8	50.9
GE 18000	44.0	49.1	49.8	49.8	50.1	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.8	50.8	50.8	50.9
GE 16000	44.0	49.1	49.8	49.8	50.1	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.8	50.8	50.8	50.9
GE 14000	44.1	49.4	50.0	50.0	50.3	50.3	50.6	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.0	51.1
GE 12000	44.8	50.3	51.0	51.0	51.3	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.9	51.9	51.9	52.0
GE 10000	45.6	51.1	51.7	51.7	52.0	52.0	52.4	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.8
GE 9000	46.9	53.1	53.8	53.9	54.2	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.8	54.8	54.8	54.9
GE 8000	48.0	54.4	55.1	55.2	55.5	55.5	55.8	55.9	55.9	55.9	55.9	55.9	56.2	56.2	56.3	56.5
GE 7000	49.4	56.0	56.7	56.8	57.1	57.1	57.4	57.5	57.5	57.5	57.5	57.5	57.8	57.8	58.0	58.1
GE 6000	50.4	57.5	58.2	58.3	58.6	58.6	58.9	59.0	59.0	59.0	59.0	59.0	59.4	59.4	59.5	59.6
GE 5000	53.4	61.7	62.5	62.7	63.0	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.9	63.9	64.0	64.1
GE 4500	56.7	65.5	66.2	66.7	67.1	67.1	67.5	67.6	67.6	67.6	67.6	67.6	68.0	68.0	68.1	68.2
GE 4000	58.5	68.1	68.9	69.4	69.8	69.8	70.2	70.3	70.3	70.3	70.3	70.3	70.6	70.6	70.8	70.9
GE 3500	60.5	70.9	71.7	72.4	72.8	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.7	73.7	73.8	73.9
GE 3000	62.2	74.2	75.4	76.2	76.7	76.7	77.2	77.4	77.4	77.4	77.4	77.4	77.7	77.7	77.8	78.0
GE 2500	64.6	77.5	78.8	79.8	80.2	80.2	80.8	81.2	81.2	81.2	81.2	81.2	81.5	81.5	81.6	81.7
GE 2000	66.9	81.2	83.0	84.3	84.8	84.8	85.4	85.9	85.9	85.9	85.9	85.9	86.2	86.2	86.3	86.5
GE 1800	66.9	81.7	83.7	85.1	85.6	85.6	86.1	86.7	86.7	86.7	86.7	86.7	87.0	87.0	87.1	87.2
GE 1500	67.2	82.9	84.8	86.3	86.9	86.9	87.4	88.0	88.0	88.0	88.0	88.0	88.3	88.3	88.4	88.5
GE 1200	67.6	84.4	86.3	88.0	88.5	88.6	89.1	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.1	90.2
GE 1000	67.6	84.9	86.9	88.6	89.4	89.5	90.0	90.5	90.5	90.5	90.5	90.5	90.9	90.9	91.0	91.1
GE 900	68.1	85.9	88.3	90.4	91.2	91.3	92.0	92.6	92.6	92.6	92.6	92.6	92.9	92.9	93.0	93.1
GE 800	68.1	85.9	88.4	90.8	91.5	91.6	92.4	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.3	93.4
GE 700	68.1	86.2	88.7	91.2	91.9	92.0	92.8	93.4	93.4	93.4	93.4	93.4	93.8	93.8	93.9	94.0
GE 600	68.2	86.3	88.9	91.4	92.2	92.3	93.3	94.0	94.0	94.1	94.1	94.1	94.4	94.4	94.5	94.6
GE 500	68.2	86.3	88.9	91.6	92.6	92.9	94.0	94.6	94.6	94.7	94.7	94.7	95.1	95.1	95.2	95.3
GE 400	68.2	86.3	88.9	91.7	92.9	93.2	94.5	95.2	95.2	95.3	95.3	95.3	95.6	95.6	95.7	95.8
GE 300	68.2	86.3	88.9	91.7	93.0	93.7	95.1	95.8	96.0	96.2	96.2	96.2	96.6	96.6	96.7	96.8
GE 200	68.2	86.3	88.9	91.7	93.1	93.8	95.4	97.1	97.5	97.7	97.8	97.8	98.2	98.2	98.3	98.4
GE 100	68.2	86.3	88.9	91.7	93.2	93.9	95.6	97.4	97.8	98.4	98.5	98.5	98.8	98.8	98.9	99.4
GE 0	68.2	86.3	88.9	91.7	93.2	93.9	95.6	97.4	97.8	98.4	98.8	98.8	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.2	42.8	43.1	43.6	44.0	44.0	44.1	44.2	44.2	44.4	44.4	44.4	44.8	44.8	45.1	45.2
GE 20000	41.0	46.6	46.9	47.5	47.9	48.0	48.1	48.2	48.2	48.3	48.5	48.5	48.9	48.9	49.2	49.3
GE 18000	41.0	46.6	47.0	47.6	48.0	48.1	48.2	48.3	48.3	48.4	48.5	48.5	48.9	48.9	49.2	49.4
GE 16000	41.0	46.6	47.0	47.6	48.0	48.1	48.2	48.3	48.3	48.4	48.5	48.5	48.9	48.9	49.2	49.4
GE 14000	41.5	47.1	47.4	48.0	48.4	48.5	48.6	48.7	48.7	48.8	49.0	49.0	49.4	49.4	49.7	49.8
GE 12000	42.4	48.1	48.5	49.1	49.5	49.6	49.7	49.8	49.8	49.9	50.1	50.1	50.5	50.5	50.8	50.9
GE 10000	43.1	49.0	49.4	50.0	50.4	50.5	50.6	50.8	50.8	50.9	51.0	51.0	51.4	51.4	51.7	51.9
GE 9000	43.8	50.0	50.5	51.1	51.6	51.6	51.8	51.9	51.9	52.0	52.1	52.1	52.5	52.5	52.8	53.0
GE 8000	44.6	51.1	51.5	52.2	52.6	52.7	52.8	53.0	53.0	53.1	53.2	53.2	53.6	53.6	53.9	54.1
GE 7000	45.9	52.7	53.2	53.9	54.4	54.4	54.6	54.8	54.8	54.9	55.0	55.0	55.4	55.4	55.8	55.9
GE 6000	47.0	54.1	54.6	55.4	55.9	55.9	56.1	56.3	56.3	56.4	56.6	56.6	57.0	57.0	57.3	57.5
GE 5000	49.4	57.4	58.0	58.8	59.4	59.5	59.7	59.9	59.9	60.1	60.2	60.2	60.6	60.6	60.9	61.1
GE 4500	51.4	60.2	61.0	62.0	62.8	62.9	63.2	63.4	63.4	63.6	63.7	63.7	64.1	64.1	64.4	64.6
GE 4000	52.7	62.1	62.9	64.1	64.9	65.0	65.3	65.6	65.6	65.8	65.9	65.9	66.3	66.3	66.7	66.9
GE 3500	54.6	64.9	66.0	67.3	68.2	68.3	68.6	68.9	68.9	69.1	69.3	69.3	69.7	69.7	70.0	70.2
GE 3000	57.1	68.7	69.8	71.5	72.5	72.7	73.2	73.5	73.5	73.7	73.9	73.9	74.3	74.3	74.6	74.8
GE 2500	59.7	72.8	74.0	76.0	77.1	77.4	77.9	78.3	78.3	78.6	79.8	78.8	79.2	79.2	79.5	79.7
GE 2000	61.8	76.3	77.8	80.2	81.4	81.7	82.3	82.7	82.7	83.0	83.2	83.2	83.6	83.6	84.0	84.2
GE 1800	62.5	77.6	79.2	81.7	83.0	83.2	83.8	84.3	84.3	84.6	84.8	84.8	85.2	85.2	85.6	85.8
GE 1500	63.1	79.2	80.8	83.5	84.8	85.1	85.7	86.1	86.2	86.5	86.7	86.7	87.1	87.1	87.5	87.7
GE 1200	63.7	80.9	82.7	85.5	86.9	87.2	87.9	88.4	88.4	88.8	88.9	88.9	89.4	89.4	89.7	89.9
GE 1000	63.8	81.4	83.2	86.2	87.6	88.0	88.7	89.2	89.2	89.6	89.8	89.8	90.2	90.2	90.6	90.8
GE 900	63.9	81.8	83.8	86.9	88.4	88.8	89.6	90.1	90.2	90.6	90.8	90.8	91.2	91.2	91.6	91.8
GE 800	64.0	82.0	84.0	87.3	88.8	89.2	90.1	90.6	90.7	91.1	91.3	91.3	91.7	91.7	92.1	92.3
GE 700	64.0	82.1	84.2	87.6	89.1	89.6	90.6	91.2	91.2	91.6	91.8	91.8	92.3	92.3	92.6	92.8
GE 600	64.0	82.4	84.6	88.1	89.7	90.2	91.4	92.2	92.2	92.7	92.9	92.9	93.3	93.3	93.7	93.9
GE 500	64.0	82.5	84.7	88.3	90.0	90.6	92.0	92.9	93.0	93.6	93.8	93.8	94.2	94.2	94.6	94.8
GE 400	64.0	82.5	84.8	88.6	90.5	91.1	92.7	93.9	94.0	94.8	95.0	95.0	95.6	95.6	95.9	96.2
GE 300	64.0	82.5	84.6	88.8	90.8	91.6	93.3	94.7	94.9	95.9	96.2	96.2	96.8	96.8	97.2	97.4
GE 200	64.0	82.6	84.8	88.9	91.0	91.8	93.7	95.4	95.7	97.0	97.5	97.5	98.2	98.2	98.6	98.8
GE 100	64.0	82.6	84.8	88.9	91.1	91.8	93.8	95.5	95.9	97.4	97.8	97.8	98.6	98.6	99.1	99.5
GE 0	64.0	82.6	84.8	88.9	91.1	91.8	93.8	95.5	95.9	97.4	97.9	97.9	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.3	41.4	43.7	46.6	48.0	48.2	48.8	49.0	49.0	49.2	49.2	49.2	49.4	49.4	49.6	49.7
GE 20000	36.0	46.5	49.2	52.4	54.0	54.2	54.8	55.0	55.1	55.3	55.3	55.3	55.5	55.5	55.7	55.8
GE 18000	36.1	46.5	49.2	52.4	54.0	54.2	54.9	55.1	55.1	55.3	55.4	55.4	55.6	55.6	55.8	55.9
GE 16000	36.1	46.6	49.3	52.4	54.1	54.3	54.9	55.1	55.2	55.4	55.4	55.4	55.6	55.6	55.8	55.9
GE 14000	36.3	46.9	49.6	52.8	54.4	54.7	55.3	55.5	55.6	55.7	55.8	55.8	56.0	56.0	56.2	56.3
GE 12000	37.1	48.0	50.8	54.1	55.7	55.9	56.6	56.8	56.9	57.0	57.1	57.1	57.3	57.3	57.5	57.6
GE 10000	38.0	49.5	52.3	55.8	57.5	57.7	58.4	58.6	58.7	58.9	58.9	58.9	59.1	59.1	59.3	59.4
GE 9000	39.1	51.1	54.1	57.7	59.4	59.7	60.4	60.6	60.7	60.9	60.9	60.9	61.2	61.2	61.3	61.5
GE 8000	39.8	52.1	55.2	58.9	60.7	60.9	61.6	61.9	61.9	62.2	62.2	62.2	62.4	62.4	62.6	62.8
GE 7000	41.1	54.1	57.2	61.1	63.0	63.3	64.0	64.3	64.4	64.6	64.6	64.6	64.9	64.9	65.1	65.2
GE 6000	42.1	55.5	58.8	62.8	64.8	65.1	65.9	66.2	66.2	66.5	66.5	66.5	66.7	66.8	66.9	67.1
GE 5000	44.2	58.7	62.2	66.5	68.6	69.0	69.8	70.1	70.2	70.4	70.5	70.5	70.7	70.7	70.9	71.1
GE 4500	45.9	61.5	65.1	69.7	71.9	72.3	73.2	73.5	73.6	73.9	74.0	74.0	74.2	74.2	74.4	74.5
GE 4000	47.1	63.2	67.0	71.8	74.1	74.5	75.5	75.8	75.9	76.2	76.3	76.3	76.5	76.5	76.7	76.9
GE 3500	48.6	65.5	69.4	74.4	76.8	77.2	78.3	78.6	78.7	79.0	79.1	79.1	79.3	79.3	79.5	79.7
GE 3000	50.1	68.0	72.2	77.5	80.1	80.5	81.7	82.0	82.1	82.5	82.5	82.5	82.8	82.8	83.0	83.1
GE 2500	51.5	70.4	74.8	80.3	83.1	83.6	84.8	85.2	85.3	85.7	85.7	85.7	86.0	86.0	86.2	86.4
GE 2000	52.9	72.9	77.5	83.3	86.2	86.8	88.1	88.6	88.7	89.0	89.1	89.1	89.4	89.4	89.6	89.8
GE 1800	53.2	73.6	78.3	84.3	87.2	87.8	89.1	89.6	89.8	90.1	90.2	90.2	90.5	90.5	90.7	90.9
GE 1500	53.5	74.4	79.2	85.3	88.3	88.9	90.2	90.8	90.9	91.3	91.4	91.4	91.7	91.7	91.9	92.1
GE 1200	53.8	75.3	80.1	86.4	89.5	90.1	91.6	92.1	92.3	92.7	92.8	92.8	93.1	93.1	93.3	93.5
GE 1000	53.9	75.6	80.5	86.9	90.0	90.7	92.2	92.8	92.9	93.3	93.5	93.5	93.8	93.8	94.0	94.1
GE 900	53.9	75.8	80.8	87.3	90.4	91.1	92.7	93.3	93.5	93.9	94.0	94.0	94.3	94.4	94.6	94.7
GE 800	54.0	75.9	80.9	87.5	90.7	91.4	93.0	93.7	93.8	94.3	94.4	94.4	94.7	94.7	94.9	95.1
GE 700	54.0	76.0	81.0	87.7	90.9	91.7	93.4	94.1	94.2	94.7	94.8	94.8	95.2	95.2	95.4	95.5
GE 600	54.0	76.1	81.2	88.0	91.4	92.2	94.0	94.7	94.9	95.4	95.6	95.6	95.9	95.9	96.2	96.3
GE 500	54.0	76.2	81.3	88.2	91.6	92.5	94.4	95.2	95.4	96.0	96.1	96.1	96.5	96.5	96.7	96.9
GE 400	54.0	76.3	81.4	88.3	91.9	92.8	94.9	95.8	96.0	96.7	96.9	96.9	97.3	97.3	97.5	97.7
GE 300	54.0	76.3	81.4	88.4	92.0	93.0	95.2	96.2	96.5	97.3	97.5	97.5	97.9	97.9	98.2	98.4
GE 200	54.0	76.3	81.4	88.5	92.1	93.1	95.4	96.5	96.8	97.7	98.0	98.0	98.5	98.6	98.9	99.1
GE 100	54.0	76.3	81.4	88.5	92.1	93.1	95.4	96.6	96.9	97.9	98.2	98.2	98.9	98.9	99.3	99.6
GE 0	54.0	76.3	81.4	88.5	92.1	93.1	95.4	96.6	96.9	97.9	98.2	98.3	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 87642

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	27.5			7.2						9.8	55.5	6.6	928
03-05	26.2			8.2						9.0	56.6	6.7	925
06-08	22.7			9.3						8.3	59.7	7.[illegible]	929
09-11	14.9			12.4						15.6	57.1	7.5	927
12-14	14.5			15.3						18.0	52.3	7.3	930
15-17	17.5			13.6						17.0	51.7	7.[illegible]	930
18-20	21.9			12.6						11.8	53.4	6.8	930
21-23	27.9			10.2						9.3	52.5	6.4	927
TOTALS	21.6			11.2						12.4	54.9	6.9	7426

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	26.9			8.4						8.5	56.1	6.[illegible]	843
03-05	24.8			7.1						10.1	58.1	6.9	844
06-08	20.5			9.4						10.5	59.6	7.[illegible]	842
09-11	15.8			13.3						13.6	57.3	7.4	844
12-14	12.8			16.7						17.8	52.7	7.4	846
15-17	16.0			16.1						15.7	52.2	7.[illegible]	846
18-20	20.6			12.5						13.6	53.3	6.5	846
21-23	26.7			10.5						10.0	52.9	6.[illegible]	842
TOTALS	20.5			11.6						12.5	55.3	7.[illegible]	6753

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.4			9.7						9.1	46.7	5.6	929
03-05	30.6			10.7						8.8	49.9	6.1	925
06-08	23.4			12.6						11.7	52.3	6.7	926
09-11	19.8			15.2						17.9	47.1	6.6	929
12-14	17.5			18.3						18.8	45.4	6.6	930
15-17	19.0			17.4						18.9	44.6	6.7	930
18-20	23.9			18.0						14.6	43.5	6.2	930
21-23	33.7			13.1						11.3	41.8	5.6	928
TOTALS	25.3			14.4						13.9	46.4	6.[illegible]	7427

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	35.9			11.0						13.4	39.7	5.[illegible]	897
03-05	37.5			12.6						9.1	40.8	5.[illegible]	894
06-08	26.8			17.3						13.2	42.6	6.[illegible]	894
09-11	23.8			19.2						15.9	41.1	6.[illegible]	900
12-14	19.4			20.7						20.7	39.2	6.4	900
15-17	19.1			22.7						20.1	38.1	6.3	900
18-20	20.6			20.0						18.4	41.0	6.4	900
21-23	29.3			16.9						18.1	35.7	5.7	899
TOTALS	26.6			17.6						16.1	39.8	6.[illegible]	7184

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 79-87
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	32.9			16.1						14.2	36.7	5.4	923
03-05	29.4			15.8						14.3	40.6	5.6	912
06-08	19.6			15.4						21.0	44.0	6.6	9.8
09-11	22.0			18.7						21.4	37.9	6.3	929
12-14	15.8			27.7						23.8	32.7	6.2	930
15-17	14.1			29.4						22.3	34.3	6.3	930
18-20	16.7			25.3						17.7	40.3	6.4	930
21-23	26.2			18.7						15.9	39.2	5.9	929
TOTALS	22.1			20.9						18.8	38.2	6.1	7401

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 79-87
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	41.8			18.0						11.3	29.8	4.4	899
03-05	37.4			17.0						15.1	30.5	4.9	893
06-08	26.5			19.6						21.2	32.7	5.1	895
09-11	23.8			27.7						21.1	27.4	5.5	900
12-14	10.6			44.9						25.8	18.8	5.5	900
15-17	8.3			41.2						27.3	23.1	6.0	900
18-20	16.7			28.2						25.9	29.2	6.1	900
21-23	26.6			23.1						20.8	27.6	5.3	900
TOTALS	24.2			27.5						21.1	27.3	5.4	7187

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	41.0			18.7						15.4	24.9	4.4	920
03-05	37.8			19.6						15.8	26.5	4.7	939
06-08	21.8			24.4						21.4	32.4	5.9	919
09-11	24.7			23.3						21.4	30.6	5.7	926
12-14	7.9			43.5						25.1	23.6	5.9	929
15-17	8.7			40.9						25.0	25.4	6.[illegible]	929
18-20	16.9			28.7						23.9	30.5	6.1	929
21-23	29.5			23.8						19.0	27.6	5.[illegible]	924
TOTALS	23.5			27.9						20.9	27.7	5.5	7385

STATION NUMBER: 72326C STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	43.1			15.7						12.6	28.7	4.5	924
03-05	38.5			13.4						12.7	35.3	5.1	933
06-08	20.6			23.0						17.0	39.4	6.2	935
09-11	19.0			26.2						23.0	31.8	6.[illegible]	921
12-14	7.9			44.0						24.4	23.7	5.9	927
15-17	10.0			44.7						22.0	23.2	5.6	930
18-20	20.0			30.3						21.4	26.3	5.7	930
21-23	33.1			23.8						15.1	26.0	4.9	928
TOTALS	24.0			27.6						18.5	29.8	5.5	7368

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 78-87
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	45.9			14.9						12.0	27.3	4.3	894
03-05	44.8			14.5						10.9	29.9	4.4	871
06-08	28.9			17.9						17.3	35.9	5.7	878
09-11	26.6			20.7						20.4	32.4	5.7	899
12-14	16.4			34.6						23.0	26.0	5.7	900
15-17	16.6			34.1						22.0	27.3	5.7	900
18-20	24.9			27.8						19.4	27.8	5.4	898
21-23	37.9			19.6						16.3	26.3	4.7	895
TOTALS	30.3			23.0						17.7	29.1	5.2	7135

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	42.8			12.3						10.7	34.3	4.6	919
03-05	43.4			13.3						11.4	34.9	4.5	902
06-08	29.0			15.2						18.1	37.6	5.6	906
09-11	26.4			19.0						18.6	36.0	5.6	921
12-14	22.4			25.2						21.2	31.3	5.6	930
15-17	25.1			22.4						19.6	33.0	5.7	930
18-20	30.2			21.3						18.4	30.1	5.3	930
21-23	40.2			13.8						14.6	31.4	4.9	925
TOTALS	32.1			17.8						16.6	33.6	5.4	7363

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	34.2			11.0						8.7	46.0	5.7	897
03-05	34.2			7.6						8.5	50.3	6.0	883
06-08	26.6			9.6						12.2	51.7	6.6	888
09-11	19.6			13.0						14.6	52.8	7.0	899
12-14	19.1			15.8						16.4	48.7	6.8	900
15-17	21.9			13.9						15.1	49.1	6.7	900
18-20	27.2			12.8						13.4	46.6	6.2	900
21-23	34.1			8.9						11.6	45.4	5.8	899
TOTALS	27.1			11.5						12.6	48.6	6.4	7166

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-86
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	35.0			7.1						9.5	48.3	5.9	925
03-05	32.5			7.4						9.7	50.4	6.1	905
06-08	25.1			12.4						12.2	50.3	6.5	912
09-11	18.9			16.3						17.4	47.4	6.6	926
12-14	20.4			16.1						17.6	45.8	6.7	930
15-17	21.4			15.4						17.8	45.4	6.6	930
18-20	27.5			14.9						11.0	46.6	6.1	930
21-23	33.4			11.0						9.9	45.7	5.8	928
TOTALS	26.8			12.6						13.1	47.5	6.3	7386

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-87
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
JAN	ALL	21.6			11.2						12.4	54.9	6.9	7426
FEB		20.5			11.8						12.5	55.3	7.0	6753
MAR		25.3			14.4						13.9	46.4	6.[illegible]	7427
APR		26.6			17.6						16.1	39.8	6.[illegible]	7184
MAY		22.1			20.9						18.8	38.2	6.[illegible]	7401
JUN		24.2			27.5						21.1	27.3	5.4	7187
JUL		23.5			27.9						20.9	27.7	5.5	7365
AUG		24.0			27.6						18.5	29.8	5.5	7368
SEP		30.3			23.0						17.7	29.1	5.[illegible]	7135
OCT		32.1			17.8						16.6	33.6	5.4	7363
NOV		27.1			11.5						12.6	48.8	6.4	7166
DEC		26.8			12.6						13.1	47.5	6.3	7386
	TOTALS	25.3			18.7						16.2	39.9	6.[illegible]	87181

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          EEEEEEEEEE
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          EEEEEEEEEE
PP      PP    AA      AA    RR      RR        TT              EE
PP      PP    AA      AA    RR      RR        TT              EE
PPPPPPPPP     AA      AA    RRRRRRRRR         TT              EEEEEE
PPPPPPPP      AAAAAAAAAA    RRRRRRRR          TT              EEEEEE
PP            AAAAAAAAAA    RR    RR          TT              EE
PP            AA      AA    RR     RR         TT              EE
PP            AA      AA    RR      RR        TT              EEEEEEEEEE
PP            AA      AA    RR       RR       TT              EEEEEEEEEE
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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERIST INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 45-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 100						.3	.7	.2	.4				.1
GE 95						2.9	10.0	6.6	2.1				1.8
GE 90				.2	3.1	21.2	38.3	31.9	11.3	.3			9.0
GE 85			.4	4.7	22.0	56.4	75.8	72.4	37.6	3.4			23.2
GE 80		.1	2.4	20.7	50.1	84.2	93.7	94.1	65.0	17.3	1.1	.1	36.2
GE 75	.2	.9	9.9	37.8	72.7	95.5	98.5	98.2	83.6	39.7	4.5	.7	45.7
GE 70	2.3	5.8	22.7	56.3	86.2	98.9	100.0	99.8	94.7	61.5	17.9	3.4	54.8
GE 65	8.2	15.1	39.0	73.4	95.2	99.6		99.9	98.5	78.9	35.0	11.1	63.3
GE 60	15.2	27.3	53.5	86.3	98.7	100.0		100.0	99.7	90.9	52.6	19.7	70.8
GE 55	26.3	41.9	69.8	93.7	99.8				99.9	96.7	66.6	32.0	77.6
GE 50	39.0	57.7	82.9	98.2	100.0				100.0	98.8	80.9	49.2	84.1
GE 45	55.3	71.2	91.5	99.4						99.8	89.9	69.1	89.9
GE 40	70.6	84.4	96.3	99.8						100.0	96.5	85.0	94.5
GE 35	86.0	92.8	98.9	99.9							99.2	92.8	97.5
GE 30	94.6	97.5	99.8	100.0							99.7	98.0	99.1
GE 25	97.8	99.3	100.0								99.9	99.5	99.7
GE 20	98.8	99.9										99.8	99.9
GE 15	99.5	100.0										99.9	99.9
GE 10	99.9										100.0	100.0	100.0
GE 5	100.0												100.0
MEAN	46.7	51.7	60.3	70.6	78.4	85.0	87.8	87.1	81.7	71.3	59.2	51.0	69.2
SD	11.622	11.535	11.282	9.605	7.451	5.661	5.296	5.144	7.046	8.466	10.437	10.594	17.029
TOTAL OBS	1209	113	1240	1200	1240	1200	1240	1240	1200	1209	1170	1190	14476

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723267 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 4[illegible]-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 75						.8	2.3	.6	.1				.3
GE 70				.1	1.0	11.2	37.5	31.4	7.5				7.5
GE 65			.2	1.2	12.0	54.4	84.5	77.6	35.2	3.1	.3	.1	22.7
GE 60	.2	.2	1.9	10.4	41.0	81.2	95.7	94.0	60.7	12.0	1.5	.3	33.7
GE 55	1.4	1.7	5.7	25.7	63.1	94.7	99.4	99.7	79.6	28.4	6.6	1.9	42.9
GE 50	3.6	5.8	14.9	43.8	90.9	99.0	100.0	100.0	92.2	46.9	14.7	5.1	51.1
GE 45	8.1	11.8	29.0	62.2	91.5	99.6			98.3	65.8	26.5	10.7	59.1
GE 40	17.[illegible]	22.2	45.0	78.6	98.1	100.0			99.7	84.2	41.2	19.6	67.6
GE 35	28.9	39.1	61.7	91.7	99.6				100.0	95.5	61.6	35.6	76.5
GE 30	35.7	45.8	71.1	95.4	99.9					97.8	70.6	43.4	[illegible]
GE 25	48.1	55.8	81.9	98.1	100.0					99.1	83.2	56.2	85.7
GE 20	66.6	76.5	94.4	99.8						100.0	94.2	76.1	92.4
GE 15	82.0	87.9	98.3	100.0							98.6	87.9	96.3
GE 10	92.[illegible]	94.5	99.5								99.7	96.1	98.2
GE 5	95.2	97.5	99.8								99.9	98.8	99.5
GE 0	98.0	99.2	99.9								100.0	99.6	99.7
GE -5	99.0	99.9	100.0									99.7	99.9
GE -10	99.6	100.0										99.9	100.0
GE -15	99.8											100.0	100.0
GE -20	99.9												100.0
GE -25	100.0												100.0
MEAN	29.8	31.6	38.0	47.5	56.3	64.0	68.0	67.1	60.7	48.8	38.4	[illegible]	48.4
SD	11.444	10.712	9.796	9.622	7.354	5.249	3.916	4.066	7.050	8.772	9.642	10.198	[illegible].313
TOTAL OBS	1209	1130	1240	1200	1240	1200	1240	1240	1200	1209	1170	[illegible]	14476

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 46-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 95							.1						.0
GE 85						1.1	4.4	1.6	.4				.6
GE 80					.7	13.6	35.8	30.7	6.5				7.4
GE 75			.1	1.0	1.2	14.3	56.9	83.0	78.7	35.3	2.0		23.0
GE 70		.1	1.0	11.7	45.2	87.7	97.6	95.5	64.1	11.1	.9	.1	35.1
GE 65	.5	.9	6.2	30.6	73.4	97.1	99.9	99.6	85.3	31.8	3.8	.9	44.5
GE 60	2.7	4.0	16.7	51.2	86.5	99.4	100.0	100.0	96.4	55.0	13.8	3.6	53.0
GE 55	6.8	12.9	31.6	76.9	96.0	100.0			99.5	76.3	28.2	7.9	61.3
GE 50	14.3	23.4	49.7	86.8	99.7				99.9	91.4	47.4	16.2	69.7
GE 45	26.1	47.5	68.9	95.5	100.0				100.0	98.3	68.5	32.6	77.9
GE 40	43.3	59.5	96.0	98.9						99.7	83.8	54.8	85.7
GE 35	62.9	77.0	95.0	99.8						100.0	95.0	76.6	92.3
GE 30	80.0	88.5	98.5	100.0							98.8	89.9	96.3
GE 25	91.8	95.2	99.6								99.6	96.2	98.5
GE 20	95.3	98.2	99.8								99.9	98.9	99.3
GE 15	98.3	99.5	100.0									99.6	99.8
GE 10	99.1	99.9										99.0	99.9
GE 5	99.8	100.0									100.0	99.9	100.0
GE 0	99.8											100.0	100.0
GE -5	99.9												100.0
GE -10	100.0												100.0
MEAN	38.0	41.9	49.7	59.3	67.6	74.8	78.1	77.4	71.4	60.3	49.0	41.[illegible]	59.0
SD	10.818	10.283	9.496	8.344	6.573	4.732	3.918	3.888	6.112	7.605	9.094	9.640	10.246
TOTAL OBS	1209	113[illegible]	124[illegible]	1230	1240	1200	1240	124[illegible]	1200	1209	1170	1198	14476

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-97

WHOLE DEGREES FAHRENHEIT
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48	70	75	82	86	87	97	99	102	90	80	84	71	102
49	76	75	83	82	89	94	97	96	89	87	76	69	97
50	77	71	91	86	89	94	91	90	91	84	81	68	94
51	69	75	76	87	91	98	98	96	100	91	72	77	100
52	75	69	78	85	89	101	103	93	92	86	75	67	103
53	66	65	76	85	92	99	98	98	99	91	75	64	99
54	64	73	82	86	90	100	101	99	103	90	73	71	103
55	70	73	77	88	91	89	97	97	96	83	76	73	97
56	67	71	79	87	91	92	95	97	90	84	77	73	97
57	73	72	73	90	90	95	95	98	97	77	76	68	98
58	63	66	65	84	89	96	93	91	91	82	79	63	96
59	72	74	79	84	93	96	96	95	91	89	76	67	96
60	73	74	75	89	90	91	94	95	96	82	74	58	96
61	61	73	77	79	82	87	89	90	92	82	83	69	92
62	77	74	76	88	94	91	96	95	96	84	68	66	96
63	68	67	66	86	88	91	88	92	89	83	72	51	92
64	65	56	78	84	97	96	92	93	89	82	75	73	96
65	68	73	74	89	90	89	91	96	92	83	73	70	96
66	68	66	83	83	86	94	98	89	88	81	71	72	98
67	72	72	81	85	90	92	87	89	87	83	72	74	92
68	65	57	81	84	88	91	93	99	88	84	77	64	99
69	69	65	73	82	90	93	95	90	88	83	69	65	95
70	67	63	72	87	89	92	97	93	90	83	72	75	97
71	69	71	78	85	84	93	92	89	90	85	77	*73	93
72		75	75	87	84	91	93	90	90	76	77	69	
73	66	64	84	83	83	89	89	93	94	82	74	70	94
74	70	66	79	84	88	92	92	92	88	91	82	69	92
75	70	72	78	84	90	91	94	94	96	82	76	69	96
76	65	74	82	87	87	90	93	91	69	80	71	68	93
77	49	83	81	85	90	95	97	96	91	83	74	69	97

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

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

WHOLE DEGREES FAHRENHEIT
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	63	62	61	86	87	96	94	90	91	81	77	75	96
79	67	65	79	87	86	89	88	94	89	83	74	69	94
80	61	76	74	87	88	92	101	100	97	81	72	68	101
81	63	70	82	83	85	92	98	95	88	86	76	64	98
82	66	75	83	82	88	88	92	91	88	66	8	[illegible]	[illegible]
83	61	67	80	81	85	90	95	101	93	67	72	65	101
84	64	76	87	86	86	92	91	86	92	85	81	74	92
85	69	74	81	85	88	96	98	94	91	85	83	65	98
86	64	75	84	91	88	96	98	97	92	89	81	63	98
87	62	64	78	66	90	91	97	98	90				
MEAN	66.9	70.2	78.6	85.1	89.3	93.0	94.6	94.1	91.7	83.7	75.9	68.6	96.6
S.D.	5.119	5.428	4.906	2.574	2.623	3.363	3.787	3.761	3.653	3.354	3.921	5.206	3.114
TOTAL OBS	1209	1130	1240	1200	1240	1200	1240	1240	1200	1209	1170	1198	14476

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGR KNOXVILLE TN PERIOD OF RECORD: 48-87

WHOLE DEGREES FAHRENHEIT
-M-O-N-T-H-S-

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

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

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 48-87

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
78	4	[illegible]	17	35	44	55	62	65	56	35	34	19	4
79	9	4	29	34	38	54	63	58	57	34	19	19	4
80	18	12	1	35	41	51	60	66	52	35	24	14	1
81	[illegible]	4	25	36	41	61	63	64	46	34	22	1[illegible]	2
82	-5	17	27	27	45	53	62	59	44	30	2[illegible]	1[illegible]	-5
83	16	15	23	25	41	46	58	61	37	34	2[illegible]	-6	-6
84	8	3	19	30	38	44	54	58	43	36	2[illegible]	1[illegible]	[illegible]
85	-24	5	19	27	42	44	57	60	37	34	27	8	-24
86	[illegible]	4	16	26	32	54	59	53	54	36	2[illegible]	1[illegible]	[illegible]
87	[illegible]	14	24	22	42	51	58	59	46				
MEAN	8.7	12.4	22.2	31.5	41.6	52.9	59.6	59.0	47.7	33.4	22.2	13.7	3.8
S.D.	10.016	7.666	6.760	4.013	4.161	4.812	3.587	3.623	5.231	4.037	5.052	6.622	8.027
TOTAL OBS	1209	1170	1245	1200	1240	1200	1240	1240	1200	1209	1170	1198	14476

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	32.2	36.5	44.9	53.0	60.8	68.0	71.7	71.4	64.7	54.5	47.0	37.8	53.6
00-02	SD	10.280	10.580	10.691	9.259	7.048	5.012	4.387	3.845	7.386	8.688	10.417	11.470	15.910
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	31.1	34.9	42.6	50.2	58.3	65.7	69.9	69.7	62.7	52.3	45.3	36.4	51.7
03-05	SD	10.758	10.985	10.778	9.368	7.529	5.436	4.313	3.789	7.806	9.337	10.635	11.846	15.906
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	30.4	33.9	41.7	50.5	59.8	67.6	71.3	70.2	62.8	51.6	44.3	35.4	51.7
06-08	SD	11.176	11.138	10.601	9.377	7.524	5.497	4.444	4.092	7.859	9.445	10.691	12.053	16.665
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	33.5	38.5	49.1	59.5	68.6	76.4	79.3	78.0	71.3	59.9	50.0	39.5	56.7
09-11	SD	10.575	11.004	10.410	9.503	7.222	5.421	5.371	5.167	7.066	8.512	9.733	11.229	17.921
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	39.2	45.2	56.3	65.7	74.3	82.0	84.8	84.0	78.5	67.7	57.2	46.0	65.2
12-14	SD	10.381	11.890	11.551	10.395	7.688	5.287	5.909	5.449	7.091	8.235	9.939	11.231	17.915
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	41.3	47.8	58.8	67.8	75.3	82.9	85.4	85.2	79.8	69.3	58.7	47.6	66.7
15-17	SD	10.432	12.083	11.573	10.638	7.766	5.731	6.694	5.867	7.210	8.003	9.727	11.054	17.569
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	37.0	43.7	54.4	63.6	71.0	78.6	81.5	80.4	73.7	62.5	52.8	42.5	61.9
18-20	SD	9.869	11.015	10.801	9.801	7.247	5.437	6.152	5.404	7.081	7.728	9.285	10.770	17.267
	TOT OBS	930	846	930	900	930	900	930	930	898	930	900	930	10954
	MEAN	33.6	39.3	48.5	57.0	64.4	71.6	75.0	74.2	67.4	57.2	48.9	39.5	56.5
21-23	SD	9.814	10.282	10.390	8.801	6.612	4.571	4.814	4.111	7.082	8.056	9.696	11.072	16.121
	TOT OBS	930	846	930	900	930	900	930	930	897	930	900	930	10953
	MEAN	34.8	40.0	49.5	58.4	66.6	74.1	77.3	76.6	70.1	59.4	50.5	40.6	58.2
ALL	SD	11.050	12.069	12.387	11.589	9.635	8.271	7.893	7.485	9.698	10.583	11.189	12.056	17.816
HOURS	TOT OBS	7440	6768	7440	7200	7440	7200	7440	7440	7195	7440	7200	7440	87643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	34.2	34.1	41.2	48.8	58.2	65.5	69.1	68.8	62.4	52.2	44.4	35.6	50.5
00-02	SD	9.959	10.062	9.777	8.653	7.262	4.940	3.590	3.441	7.308	8.596	10.378	11.295	15.741
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	29.3	33.0	39.8	47.1	56.5	64.1	68.1	67.9	61.1	50.5	43.1	34.5	49.7
03-05	SD	10.360	10.393	10.088	8.880	7.688	5.359	3.779	3.561	7.725	9.084	10.564	11.679	15.870
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	28.7	32.1	39.3	47.5	57.5	65.2	68.7	68.0	61.1	49.9	42.4	33.7	49.6
06-08	SD	10.729	10.710	10.130	8.976	7.602	5.181	3.705	3.730	7.767	9.178	10.733	11.805	16.388
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	31.0	35.4	43.9	52.7	62.4	69.4	72.4	71.6	65.7	55.2	46.4	36.7	53.6
09-11	SD	10.102	10.291	9.528	8.445	6.891	4.563	3.466	3.631	6.423	8.054	9.729	11.056	16.358
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	34.6	39.4	47.8	55.5	64.7	71.2	74.0	73.4	68.2	58.5	50.1	40.7	56.6
12-14	SD	9.658	10.194	9.607	8.445	6.722	4.482	3.222	3.333	6.190	7.658	9.366	10.735	15.553
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	35.7	40.8	48.6	55.9	64.8	71.0	73.5	73.2	68.0	58.9	50.8	41.4	57.0
15-17	SD	9.315	9.912	9.227	8.172	6.396	4.431	3.086	3.124	6.014	7.404	9.128	10.441	14.948
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	33.2	38.5	46.3	53.8	63.1	69.6	72.4	71.8	66.1	56.2	47.8	38.5	54.8
18-20	SD	9.373	9.824	9.243	8.238	6.450	4.309	3.128	3.238	6.374	7.706	9.528	10.593	15.413
	TOT OBS	930	846	930	900	930	900	930	930	898	930	900	930	10954
	MEAN	31.1	36.0	43.3	50.8	60.2	67.2	70.5	70.0	63.8	53.8	45.6	36.7	52.5
21-23	SD	9.481	9.870	9.410	8.203	6.852	4.433	3.333	3.375	6.909	8.083	9.942	10.950	15.572
	TOT OBS	930	846	930	900	930	900	930	930	897	930	900	930	10953
	MEAN	31.7	36.2	43.8	51.5	60.9	67.9	71.1	70.6	64.5	54.4	46.3	37.2	53.1
ALL	SD	10.161	10.573	10.194	9.105	7.642	5.392	4.035	4.012	7.377	8.835	10.341	11.361	15.971
HOURS	TOT OBS	7440	6768	7440	7200	7440	7200	7440	7440	7195	7440	7200	7440	87643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	25.9	29.8	36.5	44.5	56.2	64.1	67.8	67.5	61.0	50.2	41.3	31.7	46.1
00-02	SD	11.891	11.687	11.155	10.190	8.438	5.450	3.698	3.745	7.775	9.375	11.964	13.287	17.425
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	25.4	29.4	36.1	43.9	55.2	63.2	67.2	66.9	60.1	49.0	40.5	31.2	47.4
03-05	SD	12.054	11.680	11.262	10.021	8.521	5.652	3.756	3.782	7.982	9.583	11.969	13.191	17.364
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	24.8	28.8	35.9	44.5	55.8	63.8	67.5	66.9	60.0	48.5	39.9	30.6	47.3
06-08	SD	12.291	11.890	11.313	10.049	8.506	5.552	3.738	3.929	8.047	9.645	12.163	13.240	17.674
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	25.9	30.5	37.7	46.3	58.2	65.7	69.1	68.4	62.4	51.2	42.2	32.2	49.2
09-11	SD	12.216	11.975	11.570	10.560	8.665	5.578	3.689	4.087	7.396	9.391	11.753	13.177	17.793
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	26.8	31.4	36.5	46.6	58.6	65.7	69.1	68.5	62.3	51.2	42.7	33.0	49.6
12-14	SD	12.672	12.331	12.234	11.338	9.061	6.397	3.875	4.369	8.255	10.298	12.587	13.900	17.828
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	26.6	31.2	37.9	45.7	58.0	64.8	68.1	67.4	61.1	50.7	42.5	32.6	49.0
15-17	SD	12.632	12.542	12.447	11.434	9.150	6.685	4.187	4.612	8.586	10.584	12.989	14.178	17.702
	TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	26.5	31.0	37.1	44.8	57.6	64.6	68.1	67.5	61.4	50.9	42.1	32.3	48.7
18-20	SD	12.259	12.400	12.327	11.516	9.155	6.320	4.153	4.525	8.288	10.092	12.545	13.676	17.701
	TOT OBS	930	846	930	900	930	900	930	930	898	930	900	930	10954
	MEAN	26.1	30.7	37.1	44.7	57.2	64.7	68.2	67.8	61.5	50.8	41.7	32.0	48.6
21-23	SD	11.700	12.070	11.361	10.704	8.576	5.492	3.714	3.952	7.736	9.357	12.046	13.396	17.513
	TOT OBS	930	846	930	900	930	900	930	930	897	930	900	930	10953
	MEAN	26.0	30.4	37.1	45.1	57.1	64.6	68.1	67.6	61.2	50.3	41.6	32.0	48.5
ALL	SD	12.229	12.100	11.745	10.774	8.835	5.961	3.938	4.174	8.055	9.844	12.288	13.519	17.642
HOURS	TOT OBS	7440	6768	7440	7200	7440	7200	7440	7440	7195	7440	7200	7440	87643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 79-87
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
JAN	00-02	100.0	100.0	99.8	98.8	96.9	88.7	68.5	49.8	24.0	78.2	930
	03-05	100.0	100.0	100.0	99.7	97.8	90.9	75.4	54.4	27.7	80.0	930
	06-08	100.0	100.0	100.0	99.7	97.6	91.5	77.8	54.5	28.0	80.5	930
	09-11	100.0	100.0	100.0	98.3	93.4	81.0	61.1	39.7	18.0	74.8	930
	12-14	100.0	100.0	98.4	89.1	73.3	53.9	32.3	20.4	9.6	63.2	930
	15-17	100.0	99.9	94.1	80.1	61.8	43.0	25.7	17.5	8.2	58.8	930
	18-20	100.0	100.0	99.1	93.9	81.4	63.0	40.5	28.0	12.4	67.5	930
	21-23	100.0	100.0	99.8	98.5	94.5	83.1	60.4	41.2	17.0	75.0	930
	TOTALS	100.0	100.0	98.9	94.8	87.1	74.4	55.2	38.2	[illegible].1	72.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 79-87
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
FEB	00-02	100.0	100.0	100.0	99.3	95.0	85.6	70.0	46.2	23.0	77.8	846
	03-05	100.0	100.0	100.0	99.8	98.1	92.1	77.8	58.3	28.8	81.1	846
	06-08	100.0	100.0	100.0	99.9	98.1	94.3	82.6	61.9	29.8	82.3	846
	09-11	100.0	100.0	100.0	98.5	92.1	79.7	57.2	35.6	17.5	73.9	846
	12-14	100.0	99.9	97.6	85.3	65.0	47.8	30.5	20.2	9.2	61.2	846
	15-17	100.0	99.5	91.7	70.1	51.9	39.8	27.9	18.2	8.6	56.3	846
	18-20	100.0	100.0	98.1	86.9	68.7	51.4	36.8	24.5	12.9	63.6	846
	21-23	100.0	100.0	99.9	97.9	89.2	75.1	55.4	34.8	17.3	72.7	846
	TOTALS	100.0	99.9	98.4	92.2	82.3	70.7	54.8	37.5	18.4	71.1	6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
MAR	00-02	100.0	100.0	100.0	98.4	92.7	78.6	57.6	35.1	16.9	73.7	930
	03-05	100.0	100.0	100.0	98.9	96.6	87.0	71.6	51.5	23.9	78.7	930
	06-08	100.0	100.0	100.0	99.7	97.6	91.5	75.7	55.1	26.3	80.4	930
	09-11	100.0	100.0	99.2	94.7	81.7	62.3	40.8	24.2	10.9	66.9	930
	12-14	100.0	99.5	92.7	71.2	51.3	36.7	23.5	12.6	3.4	54.6	930
	15-17	100.0	97.3	81.9	55.8	41.7	28.4	20.0	10.8	3.7	49.7	930
	18-20	100.0	99.6	90.9	71.1	51.6	37.2	24.7	14.5	6.8	55.4	930
	21-23	100.0	100.0	99.9	95.4	79.5	59.6	40.5	23.8	11.2	66.7	930
	TOTALS	100.0	99.6	95.6	85.7	74.1	60.2	44.3	28.5	12.9	65.8	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
APR	00-02	100.0	100.0	99.8	97.8	90.6	77.6	61.1	38.3	18.3	74.3	900
	03-05	100.0	100.0	100.0	99.9	96.0	88.2	75.7	54.2	26.6	80.0	900
	06-08	100.0	100.0	99.9	99.6	97.7	91.8	78.6	53.2	25.7	80.7	900
	09-11	100.0	99.9	98.9	93.0	74.0	51.2	33.9	21.3	9.8	63.8	900
	12-14	100.0	99.1	91.4	69.4	47.0	31.7	22.0	13.6	4.4	53.4	900
	15-17	100.0	98.0	80.3	56.0	38.2	27.3	19.8	10.4	2.7	48.9	900
	18-20	100.0	99.0	88.6	66.8	49.1	36.7	25.9	13.6	4.9	54.1	900
	21-23	100.0	100.0	98.8	90.4	74.8	59.6	40.7	26.6	11.8	66.1	900
	TOTALS	100.0	99.5	94.7	84.1	70.9	58.0	44.7	28.9	13.1	65.2	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
MAY	00-02	100.0	100.0	100.0	99.9	98.5	93.7	85.2	70.0	44.1	85.6	930
	03-05	100.0	100.0	100.0	100.0	99.5	97.3	92.9	81.5	60.6	89.8	930
	06-08	100.0	100.0	100.0	100.0	99.4	95.6	90.5	75.6	47.5	87.1	930
	09-11	100.0	100.0	99.8	98.1	90.3	74.5	52.4	27.4	8.0	70.7	930
	12-14	100.0	100.0	97.8	88.6	68.3	45.9	26.0	11.6	5.9	60.0	930
	15-17	100.0	99.9	94.1	81.4	58.4	41.1	25.5	13.7	5.2	57.6	930
	18-20	100.0	99.9	97.3	88.4	75.3	57.3	40.6	24.5	10.1	65.0	930
	21-23	100.0	100.0	100.0	99.4	94.4	85.8	71.9	50.6	24.8	78.7	930
	TOTALS	100.0	100.0	98.6	94.5	85.5	73.9	60.6	44.4	25.8	74.3	7440

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
JUN	00-02	100.0	100.0	100.0	100.0	100.0	99.2	95.1	81.8	36.9	87.5	900
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	97.9	92.7	61.2	91.7	900
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	94.6	81.7	40.0	87.7	900
	09-11	100.0	100.0	100.0	99.3	95.0	78.2	50.1	19.7	5.2	70.4	900
	12-14	100.0	100.0	99.0	92.6	74.1	42.3	16.8	6.2	2.1	59.0	900
	15-17	100.0	100.0	97.4	85.0	62.0	32.0	16.4	7.8	2.3	56.1	900
	18-20	100.0	100.0	99.0	94.0	78.8	56.0	35.3	17.2	4.2	64.0	900
	21-23	100.0	100.0	100.0	99.6	99.2	94.1	78.2	51.0	15.6	79.3	900
	TOTALS	100.0	100.0	99.4	96.3	88.6	75.1	60.6	44.8	20.9	74.5	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
JUL	00-02	100.0	100.0	100.0	100.0	99.9	99.2	96.5	81.4	42.0	87.7	930
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.8	92.6	59.6	91.3	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	98.1	81.5	40.1	88.0	930
	09-11	100.0	100.0	100.0	99.8	98.0	84.5	52.9	24.0	4.4	71.8	930
	12-14	100.0	100.0	99.8	96.8	77.6	44.7	18.9	7.7	2.5	60.5	930
	15-17	100.0	100.0	99.1	89.2	63.7	38.5	21.2	11.5	2.6	58.1	930
	18-20	100.0	100.0	99.4	96.5	82.6	58.1	37.1	20.3	5.7	65.6	930
	21-23	100.0	100.0	100.0	99.8	99.4	94.5	78.4	52.4	19.8	80.1	930
	TOTALS	100.0	100.0	99.8	97.8	90.2	77.4	62.7	46.4	22.1	75.4	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.9	95.9	82.8	35.8	87.4	930
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.4	93.3	51.2	90.7	930
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.5	89.7	41.8	89.2	930
	09-11	100.0	100.0	100.0	100.0	97.5	87.0	61.2	26.0	5.3	73.1	930
	12-14	100.0	100.0	99.6	95.4	81.3	46.3	19.6	5.9	1.8	60.7	930
	15-17	100.0	99.9	98.0	90.5	65.3	33.8	17.6	7.7	1.8	57.0	930
	18-20	100.0	100.0	99.7	97.1	86.7	62.3	39.5	18.3	4.1	66.4	930
	21-23	100.0	100.0	100.0	100.0	99.7	96.3	84.6	57.5	16.0	81.1	930
	TOTALS	100.0	100.0	99.7	97.9	91.3	78.2	64.5	47.7	19.7	75.7	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 78-87
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
SEP	00-02	100.0	100.0	100.0	100.0	99.9	98.9	95.7	83.2	39.7	87.9	900
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	98.3	90.6	58.7	91.2	900
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	98.3	91.6	53.7	90.6	900
	09-11	100.0	100.0	100.0	99.7	96.6	86.9	62.1	31.4	8.1	74.3	900
	12-14	100.0	100.0	98.7	92.1	70.3	40.3	21.1	9.7	3.8	59.3	900
	15-17	100.0	100.0	95.7	83.1	53.9	29.9	17.2	9.3	3.4	54.9	900
	18-20	100.0	100.0	98.9	95.4	85.4	64.8	39.8	21.4	5.9	66.9	898
	21-23	100.0	100.0	100.0	99.9	99.1	96.2	84.3	59.9	16.9	81.6	897
	TOTALS	100.0	100.0	99.2	96.3	88.2	77.0	64.6	49.6	23.8	75.8	7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
OCT	00-02	100.0	100.0	100.0	100.0	99.7	97.0	90.1	73.9	35.7	85.7	930
	03-05	100.0	100.0	100.0	99.9	99.7	98.4	94.3	83.0	49.5	88.6	930
	06-08	100.0	100.0	100.0	99.7	99.5	98.8	96.9	86.0	49.7	89.2	930
	09-11	100.0	100.0	100.0	99.1	94.6	82.9	59.9	35.2	12.3	74.1	930
	12-14	100.0	100.0	98.6	86.6	61.4	34.9	19.8	12.6	4.1	57.4	930
	15-17	100.0	99.7	96.9	76.0	48.1	28.5	18.3	10.9	4.0	53.9	930
	18-20	100.0	100.0	99.2	96.1	83.7	62.0	41.7	24.0	8.5	67.4	930
	21-23	100.0	100.0	100.0	99.8	98.6	90.6	76.7	52.4	21.6	79.9	930
	TOTALS	100.0	100.0	99.3	94.7	85.7	74.1	62.2	47.3	23.2	74.5	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
NOV	00-02	100.0	100.0	100.0	99.9	98.2	90.7	76.9	58.0	28.2	81.4	900
	03-05	100.0	100.0	100.0	100.0	99.2	94.1	82.2	68.1	34.4	83.8	900
	06-08	100.0	100.0	100.0	100.0	99.0	95.2	85.2	71.7	38.9	84.9	900
	09-11	100.0	100.0	99.9	98.3	93.2	80.7	63.8	42.2	18.4	75.6	900
	12-14	100.0	99.9	95.9	84.3	66.0	47.8	32.7	19.7	9.0	61.2	900
	15-17	100.0	99.7	91.4	77.2	57.2	43.6	30.9	20.8	9.4	58.6	900
	18-20	100.0	100.0	99.6	94.0	80.9	63.8	46.9	30.6	15.1	69.1	900
	21-23	100.0	100.0	100.0	99.1	95.9	84.3	66.6	45.7	23.7	77.5	900
	TOTALS	100.0	100.0	98.4	94.1	86.2	75.3	60.7	44.6	22.1	74.0	7200

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-86
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	99.1	97.7	90.5	73.2	52.0	26.0	79.4	930
	03-05	100.0	100.0	100.0	100.0	98.8	94.8	79.8	58.8	30.0	81.9	930
	06-08	100.0	100.0	100.0	100.0	98.6	96.6	83.9	61.1	32.2	83.2	930
	09-11	100.0	100.0	99.9	99.6	94.6	83.7	64.1	44.0	18.3	76.0	930
	12-14	100.0	99.9	98.1	89.8	71.4	48.4	30.5	19.1	9.2	62.5	930
	15-17	100.0	99.8	95.5	81.4	60.9	41.5	28.8	18.0	8.3	59.1	930
	18-20	100.0	100.0	99.9	94.5	83.5	65.1	46.3	29.4	12.3	68.8	930
	21-23	100.0	100.0	100.0	98.0	93.4	80.8	64.0	42.4	18.8	75.6	930
	TOTALS	100.0	100.0	99.2	95.3	87.4	75.2	58.8	40.6	19.4	73.3	7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-87
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
JAN	ALL	100.0	100.0	98.9	94.8	87.1	74.4	55.2	38.2	18.1	72.3	744[illegible]
FEB		100.0	99.9	98.4	92.2	82.3	70.7	54.8	37.5	18.4	71.1	676[illegible]
MAR		100.0	99.6	95.6	85.7	74.1	60.2	44.3	28.5	12.9	65.8	744[illegible]
APR		100.0	99.5	94.7	84.1	70.9	58.0	44.7	28.9	13.1	65.2	720[illegible]
MAY		100.0	100.0	98.6	94.5	85.5	73.9	60.6	44.4	25.8	74.3	744[illegible]
JUN		100.0	100.0	99.4	96.3	88.6	75.1	60.6	44.8	20.9	74.5	720[illegible]
JUL		100.0	100.0	99.8	97.8	90.2	77.4	62.7	46.4	22.1	75.4	744[illegible]
AUG		100.0	100.0	99.7	97.9	91.3	78.2	64.5	47.7	19.7	75.7	744[illegible]
SEP		100.0	100.0	99.2	96.3	88.2	77.0	64.6	49.6	23.8	75.8	719[illegible]
OCT		100.0	100.0	99.3	94.7	85.7	74.1	62.2	47.3	23.2	74.5	744[illegible]
NOV		100.0	100.0	98.4	94.1	86.2	75.0	60.7	44.6	22.1	74.0	720[illegible]
DEC		100.0	100.0	99.2	95.3	87.4	75.2	58.8	40.6	19.4	73.3	744[illegible]
	TOTALS	100.0	99.9	98.4	93.6	84.8	72.4	57.8	41.5	20.0	72.7	8764[illegible]

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PPPPPPPP          AAAAAA        RRRRRRRR        TTTTTTTTTT        FFFFFFFFFF
PPPPPPPPP        AAAAAAAA       RRRRRRRRR       TTTTTTTTTT        FFFFFFFFFF
PP      PP      AA      AA      RR      RR          TT            FF
PP      PP      AA      AA      RR      RR          TT            FF
PPPPPPPPP       AA      AA      RRRRRRRRR           TT            FFFFFF
PPPPPPPP        AAAAAAAAAA      RRRRRRRR            TT            FFFFFF
PP              AAAAAAAAAA      RR    RR            TT            FF
PP              AA      AA      RR     RR           TT            FF
PP              AA      AA      RR      RR          TT            FF
PP              AA      AA      RR       RR         TT            FF
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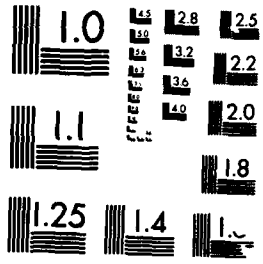
AD-A190 783 MCGHEE-TYSON ANGB KNOXVILLE TENNESSEE REVISED UNIFORM SUMMARY OF SURFACE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 88 4/4

UNCLASSIFIED USAFETAC/DS-88/017 F/G 4/2 NL



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

PRESSURE SUMMARIES

STATION PRSSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.054	29.042	28.977	28.950	28.956	28.984	29.010	29.019	29.039	29.057	29.065	29.090	29.020
	SD	.204	.202	.209	.162	.117	.095	.078	.080	.107	.126	.166	.199	.159
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	29.045	29.025	28.961	28.934	28.944	28.972	28.995	29.004	29.029	29.050	29.055	29.087	29.008
	SD	.210	.208	.211	.168	.121	.095	.079	.082	.110	.131	.168	.203	.163
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	29.062	29.048	28.993	28.970	28.981	29.011	29.032	29.041	29.064	29.084	29.079	29.107	29.039
	SD	.212	.211	.219	.179	.127	.099	.083	.086	.114	.137	.174	.206	.166
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	29.089	29.068	29.013	28.983	28.990	29.018	29.042	29.053	29.080	29.101	29.100	29.129	29.055
	SD	.211	.218	.221	.180	.128	.099	.083	.085	.114	.140	.176	.210	.169
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.058	29.049	28.993	28.961	28.972	28.999	29.029	29.036	29.054	29.069	29.067	29.097	29.032
	SD	.209	.219	.215	.174	.122	.097	.083	.085	.112	.134	.174	.203	.165
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.019	29.000	28.939	28.910	28.923	28.951	28.978	28.980	29.000	29.024	29.027	29.062	28.984
	SD	.202	.212	.205	.159	.115	.093	.082	.084	.105	.130	.163	.193	.159
	TOT OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
19	MEAN	29.047	29.022	28.952	28.917	28.925	28.950	28.977	28.984	29.010	29.041	29.048	29.086	28.997
	SD	.203	.206	.199	.158	.111	.089	.080	.083	.103	.127	.159	.193	.158
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
22	MEAN	29.054	29.032	28.975	28.941	28.951	28.975	29.002	29.011	29.033	29.056	29.057	29.089	29.015
	SD	.205	.202	.200	.157	.111	.089	.077	.078	.106	.129	.159	.196	.156
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
ALL HOURS	MEAN	29.053	29.036	28.975	28.946	28.955	28.983	29.008	29.016	29.039	29.060	29.062	29.093	29.019
	SD	.208	.210	.211	.169	.121	.098	.084	.087	.112	.134	.169	.201	.164
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2480	2398	2480	2399	2480	29213

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 723260 STATION NAME: MCGHEE-TYSON ANGB KNOXVILLE TN

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	1020.0	1019.3	1016.6	1015.3	1015.2	1015.9	1016.7	1017.1	1018.0	1019.0	1019.7	1021.0	1017.8
	SD	7.418	7.340	7.458	5.703	4.121	3.286	2.760	2.837	3.895	4.582	5.903	7.235	5.798
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	1019.9	1018.9	1016.3	1015.0	1015.0	1015.8	1016.5	1016.8	1017.8	1019.0	1019.5	1021.1	1017.6
	SD	7.626	7.612	7.610	5.970	4.250	3.424	2.805	2.919	3.982	4.750	6.065	7.395	5.977
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	1020.4	1019.7	1017.3	1016.2	1016.2	1016.9	1017.6	1017.9	1019.0	1020.1	1020.3	1021.6	1018.6
	SD	7.643	7.761	7.793	6.313	4.479	3.487	2.898	3.023	4.092	4.986	6.301	7.546	6.063
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	1021.5	1020.6	1018.2	1016.8	1016.7	1017.4	1018.1	1018.6	1019.7	1020.9	1021.2	1022.7	1019.4
	SD	7.687	7.928	7.947	6.407	4.512	3.497	2.926	3.089	4.084	5.032	6.385	7.659	6.195
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	1020.1	1019.6	1017.2	1015.7	1015.7	1016.5	1017.3	1017.6	1018.6	1019.5	1019.7	1021.1	1018.2
	SD	7.548	7.909	7.683	6.098	4.309	3.382	2.923	3.005	3.957	4.821	6.162	7.407	5.973
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1019.0	1018.0	1015.5	1014.2	1014.3	1015.3	1015.8	1015.9	1016.9	1018.1	1018.5	1020.2	1016.8
	SD	7.336	7.695	7.345	5.623	4.079	3.329	2.922	2.994	3.783	4.642	5.879	6.998	5.794
	TOT OBS	310	282	310	300	310	300	310	310	300	310	299	310	3651
19	MEAN	1019.7	1018.7	1015.9	1014.3	1014.2	1014.8	1015.6	1015.9	1017.1	1018.6	1019.2	1020.9	1017.1
	SD	7.346	7.485	7.157	5.520	3.868	3.167	2.812	2.880	3.713	4.599	5.669	6.997	5.806
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
22	MEAN	1020.4	1019.3	1016.9	1015.3	1015.3	1015.9	1016.8	1017.1	1018.1	1019.4	1019.7	1021.3	1017.9
	SD	7.337	7.381	7.211	5.551	3.967	3.168	2.704	2.788	3.847	4.663	5.751	7.147	5.745
	TOT OBS	310	282	310	300	310	300	310	310	299	310	300	310	3651
ALL HOURS	MEAN	1020.1	1019.3	1016.7	1015.3	1015.3	1016.0	1016.8	1017.1	1018.2	1019.3	1019.7	1021.2	1017.9
	SD	7.514	7.662	7.563	5.957	4.274	3.440	2.949	3.068	4.016	4.826	6.056	7.322	5.970
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2480	2398	2480	2399	2480	29213

END

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