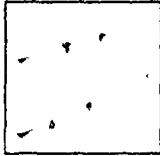


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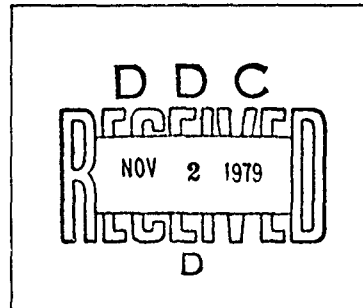
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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

WACO TEXAS/JAMES CONNALLY AFB
N 38 38 W 97 04 ELEV 475 FT KWA0 WBAN 13928

PARTS A-F
FOR FROM HOURLY OBS: MAY 1942-OCT 1945,
DEC 1948-DEC 1964
FOR FROM DAILY OBS: MAY 1942-OCT 1945,
DEC 1948-MAY 1964

1 NOV 65

FEDERAL BUILDING
ASHEVILLE, N. C.

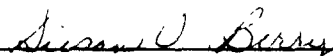
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Review and Approval Statement

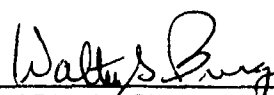
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This technical report has been reviewed and is approved for publication.



SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER



WALTER S. BURGMANN
Scientific & Technical
Information Officer

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS- 79/083	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- James Connally AFB, WACO, Texas		5 TYPE OF REPORT & PERIOD COVERED Final rept.
		6 PERFORMING ORG REPORT NUMBER
7 AUTHOR(s)		8 CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11 CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12 REPORT DATE 1 Nov 65
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16 DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)		
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for James Connally AFB, WACO, Texas. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

UNCLASSIFIED

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

* Texas

* James Connally AFB, TX

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

UNCLASSIFIED

REVISED
UNIFORM SUMMARY
OF
SURFACE WEATHER OBSERVATIONS

STA NO.	STATION NAME	LATITUDE	LONGITUDE	BAR. ELEV FT.	CALL SIGN	WMO NO.
13928	WACO TEXAS/JAMES CONNALLY AFB	N 31 38	W 097 04	475	KWAO	

PERIOD OF RECORD

FOR HOURLY OBSERVATIONS	MAY 42-OCT 45, DEC 48-DEC 64
FOR DAILY OBSERVATIONS	MAY 42-OCT 45, DEC 48-MAY 64

SUMMARIES

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

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

Revised
UNIFORM SUMMARY
of
SURFACE WEATHER OBSERVATIONS

DESCRIPTION OF SUMMARIES:

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

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

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

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

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ASHEVILLE, NORTH CAROLINA

A

PART A WEATHER CONDITIONS

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

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

Occurrences of the various phenomena included in each category on the forms are listed below:

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

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

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

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

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

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be

reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

1
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 ASHEVILLE, N. C. 28801

WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,48-64

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.3	9.5	1.2	1.3	.0	11.7	13.9	.8	.0	.1	14.8	14071
FEB		.7	9.7	.5	.6		10.7	12.4	1.7	.0	1.6	15.6	12881
MAR		.9	6.6	.1	.2	.0	6.9	6.9	1.4		2.0	10.2	14133
APR		1.7	6.8			.0	6.8	4.6	.9		1.3	6.8	13679
MAY		2.1	5.3			.0	5.3	4.0	1.2		.4	5.5	14554
JUN		1.6	4.0				4.0	1.5	1.3		.0	2.7	14389
JUL		.9	2.1			.0	2.1	.7	.3		.0	1.1	14873
AUG		1.0	2.6				2.6	.7	.5		.0	1.1	14867
SEP		.7	4.5				4.5	2.7	.5		.0	3.2	14399
OCT		.9	4.5				4.5	4.0	1.5		.1	5.6	14878
NOV		.3	7.0	.1	.1	.0	7.1	7.1	1.6		.1	8.6	13677
DEC		.2	8.4	.3	.2		8.8	11.0	1.0		.7	12.7	14659
TOTALS		.9	5.8	.2	.2	.0	6.2	5.7	1.0	.0	.5	7.2	171060

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WEATHER CONDITIONS

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

JAN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02	.5	8.7	1.4	1.0		10.8	14.0	.2			14.3	1767
	03-05	.3	12.8	1.1	.9		14.5	17.4	.2			17.5	1767
	06-08	.1	11.6	1.6	1.5		14.5	20.1	1.3		.1	21.4	1767
	09-11	.3	9.9	1.4	1.8		12.7	18.3	1.9		.2	20.3	1766
	12-14		9.2	1.0	2.1		12.0	11.0	1.0	.1		12.1	1767
	15-17	.3	8.4	.5	1.5	.1	10.1	9.6	.7	.1	.2	10.5	1757
	18-20	.3	7.8	1.1	.9		9.6	9.6	.7		.5	10.7	1740
	21-23	.3	7.5	1.1	.7		9.4	11.0	.4			11.4	1740
TOTALS		.3	9.5	1.2	1.3	.0	11.7	13.9	.8	.0	.1	14.8	14071

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WEATHER CONDITIONS

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
FEB	00-02	.9	9.7	.5	.9		10.8	11.9	.4		1.4	13.6	1611
	03-05	1.6	13.4	.4	.8		14.6	16.4	.3		1.6	18.1	1611
	06-08	1.0	13.2	.8	.9		14.6	20.6	1.6		1.1	23.1	1611
	09-11	.4	10.1	.7	.5		11.0	16.6	3.2	.1	1.4	21.1	1607
	12-14	.4	9.8	.4	.1		10.3	9.6	2.8		1.6	14.0	1609
	15-17	.4	8.0	.3	.4		8.6	7.8	2.2		1.8	11.7	1611
	18-20	.4	7.0	.4	.7		8.0	7.8	1.8		1.9	11.4	1610
	21-23	.6	6.4	.4	.7		7.4	8.5	1.1		1.7	11.3	1611
TOTALS		.7	9.7	.5	.6		10.7	12.4	1.7	.0	1.6	15.6	12881

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WEATHER CONDITION

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02	1.0	5.8	.2	.1		6.1	5.3	.6		2.2	8.1	1766
	03-05	1.5	9.3	.1	.1		9.5	9.8	.3		1.7	11.8	1767
	06-08	.5	8.8	.2	.3		9.3	16.1	2.5		1.2	19.5	1767
	09-11	.2	8.1	.1	.6		8.5	9.7	2.2		1.5	13.3	1767
	12-14	.4	6.5		.4		6.8	4.4	1.6		1.8	7.7	1767
	15-17	1.0	5.8		.1	.1	5.9	3.5	1.5		1.8	6.7	1767
	18-20	1.1	4.1			.1	4.1	3.3	1.8		2.7	7.8	1765
	21-23	1.3	4.6		.1		4.7	3.2	.8		2.9	6.9	1767
TOTALS		.9	6.6	.1	.2	.0	6.9	6.9	1.4		2.0	10.2	14133

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WEATHER CONDITIONS

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,4J-64
 YEARS

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02	1.2	4.9				4.9	2.2	.3		1.6	4.2	1710
	03-05	1.9	7.8				7.8	6.0	.5		1.5	8.0	1710
	06-08	1.8	8.9				8.9	12.6	1.8		1.5	15.9	1709
	09-11	1.2	5.9				5.9	6.0	2.2		1.2	9.3	1710
	12-14	1.5	7.0			.1	7.0	3.3	.9		1.2	5.4	1710
	15-17	1.9	7.3				7.3	2.9	.4		1.4	4.7	1710
	18-20	2.2	6.8			.1	6.8	2.6	.8		1.1	4.5	1710
	21-23	2.0	5.8				5.8	1.2	.5		1.1	2.7	1710
TOTALS		1.7	6.8			.0	6.8	4.6	.9		1.3	6.8	13679

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WEATHER CONDITIONS

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	2.8	5.1				5.1	2.3	.3		.4	3.0	1818
	03-05	1.4	5.6			.1	5.6	8.1	.3		.4	8.8	1818
	06-08	1.5	6.6				6.6	12.9	2.5		.5	15.7	1818
	09-11	1.1	5.7				5.7	3.5	2.3		.5	6.2	1818
	12-14	1.9	5.5			.1	5.5	1.8	1.3		.4	3.5	1821
	15-17	2.2	4.9			.1	4.9	1.3	.9		.5	2.6	1820
	18-20	3.0	4.5				4.5	.9	.9		.4	2.3	1821
	21-23	2.8	4.4				4.4	.9	.8		.3	2.0	1820
TOTALS		2.1	5.3			.0	5.3	4.0	1.2		.4	5.5	14554

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

JUN

STATION

STATION NAME

YEARS

MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS**

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	1.4	2.9				2.9	.7	1.2			1.9	1799
	03-05	1.8	5.0				5.0	3.3	1.3			4.2	1799
	06-08	1.4	5.1				5.1	6.1	2.2			7.7	1798
	09-11	.8	3.9				3.9	1.1	1.5			2.6	1799
	12-14	1.0	3.5				3.5	.2	1.0			1.2	1799
	15-17	2.0	4.5				4.5	.1	1.2		.1	1.3	1800
	18-20	2.1	3.7				3.7	.3	1.1			1.4	1798
	21-23	2.6	3.5				3.5	.4	1.0			1.4	1797
TOTALS		1.6	4.0				4.0	1.5	1.3		.0	2.7	14389

1
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WEATHER CONDITIONS

13928

MACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	MAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLowing SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	.3	1.0				1.0	.1				.1	1856
	03-05	.3	1.5				1.5	1.7	.4			2.1	1860
	06-08	.4	2.2				2.2	3.1	1.3			4.4	1860
	09-11	.6	2.7				2.7	.6	.2			.9	1859
	12-14	1.1	2.7				2.7	.2	.1			.2	1859
	15-17	1.9	2.7			.1	2.7	.1	.2		.2	.5	1860
	18-20	2.0	2.4				2.6	.1	.1			.2	1860
	21-23	.8	1.7				1.7	.1	.1		.1	.2	1859
TOTALS		.9	2.1			.0	2.1	.7	.3		.0	1.1	14873

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WEATHER CONDITIONS

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

AUG
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.9	1.9				1.9	.4	.1			.5	1859
	03-05	.8	2.6				2.6	.6	.4			1.0	1856
	06-08	.6	3.4				3.4	3.6	2.0			5.5	1859
	09-11	.3	2.0				2.0	.6	.9			1.5	1860
	12-14	1.1	3.0				3.0	.1	.1			.2	1856
	15-17	1.8	3.2				3.2	.1	.1			.2	1860
	18-20	1.5	2.6				2.6		.1		.1	.1	1860
	21-23	.9	2.1				2.1		.1			.1	1857
TOTALS		1.0	2.6				2.6	.7	.5		.0	1.1	14867

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.9	4.5				4.5	1.5	.1			1.6	1800
	03-05	.5	5.6				5.6	3.7	.2			3.8	1800
	06-08	.4	5.1				5.1	11.3	2.5			13.6	1799
	09-11	.3	4.4				4.4	2.9	1.0		.2	4.0	1800
	12-14	.5	3.9				3.9	.7	.2			.9	1800
	15-17	1.3	4.2				4.2	.7				.7	1800
	18-20	1.5	4.6				4.6	.8	.1			.9	1800
	21-23	.6	3.6				3.6	.2				.2	1800
TOTALS		.7	4.5				4.5	2.7	.5		.6	3.2	14399

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.9	4.1				4.1	2.3	.6			2.9	1859
	03-05	.5	4.6				4.6	5.8	.5			6.2	1860
	06-08	.6	5.6				5.6	14.3	3.3		.2	17.6	1860
	09-11	.8	4.7				4.7	4.8	3.1		.2	7.9	1860
	12-14	.5	4.0				4.0	1.5	1.7		.1	3.2	1860
	15-17	1.4	5.1				5.1	1.0	1.2		.1	2.3	1860
	18-20	1.1	4.5				4.5	1.1	1.1		.2	2.4	1859
	21-23	1.1	3.6				3.6	1.2	.8		.2	2.2	1860
TOTALS		.9	4.5				4.5	4.0	1.5		.1	5.6	14878

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WEATHER CONDITIONS

13928 WACO TEXAS/JAMES CONNALLY AFB 42-44,49-64 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
 FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02	.4	6.7		.1	.1	6.8	6.2	.8			6.9	1709
	03-05	.4	7.8	.1	.1		7.9	10.0	1.0		.1	10.9	1709
	06-08	.3	8.3	.2	.2		8.6	16.5	1.7		.2	17.7	1710
	09-11	.1	7.2	.2	.3		7.4	9.6	2.9		.2	12.5	1710
	12-14	.4	6.8	.1	.1		6.9	3.6	2.1		.1	5.7	1710
	15-17	.2	6.7				6.7	3.7	1.8		.2	5.7	1710
	18-20	.3	5.6				5.6	3.0	1.2		.2	4.4	1710
	21-23	.4	6.5				6.5	3.9	1.1		.1	5.0	1709
TOTALS		.3	7.0	.1	.1	.0	7.1	7.1	1.6		.1	8.6	13677

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44,48-64

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
DEC	00-02	.3	8.4	.3	.1		8.8	11.1	.4		.8	12.2	1860
	03-05	.5	9.3	.1	.1		9.5	12.7	.6		.8	14.1	1859
	06-08	.3	10.1	.3	.3		10.7	17.5	1.1		.9	19.5	1860
	09-11	.1	9.4	.2	.2		9.7	15.7	2.1		1.0	18.7	1859
	12-14	.3	8.3	.2	.2		8.6	8.3	1.6		.6	10.4	1859
	15-17	.2	6.1	.3	.2		6.5	6.5	1.1		.6	8.2	1828
	18-20		7.5	.4	.4		8.0	7.0	1.0		.5	8.4	1767
	21-23	.3	8.1	.3	.5		8.7	9.1	.4		.7	10.0	1767
TOTALS		.2	8.4	.3	.2		8.8	11.0	1.0		.7	12.7	14659

PART A

ATMOSPHERIC PHENOMENA

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

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed, "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

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

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

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

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WEATHER CONDITIONS

13928

WACO TEXAS/JAMES GONNALLY AFB

48-64

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	4.7	41.7	7.0	5.3	.2	42.3	38.6	4.1	.4		39.8	487
FEB		9.1	42.5	2.4	4.6	.9	43.4	39.6	9.7	.2	1.3	44.0	452
MAR		9.7	37.1	.4	1.4	1.6	37.3	28.6	7.1		1.0	32.7	496
APR		16.9	41.1			1.5	41.1	27.6	5.6		.8	30.3	479
MAY		18.6	37.0			2.0	37.0	26.9	8.7		.4	30.5	495
JUN		18.4	29.3			.4	29.3	13.8	4.4		.2	16.7	450
JUL		11.8	22.6		.2	.4	22.6	7.7	.9			8.4	465
AUG		12.0	21.9				21.9	6.5	3.9			9.9	465
SEP		10.0	30.0				30.0	19.3	5.3			22.4	450
OCT		8.6	27.7				27.7	24.3	7.1		.4	27.5	465
NOV		5.6	33.6	.2	1.3	.9	33.6	27.3	6.2		.4	29.1	450
DEC		3.4	33.6	1.2	1.8		33.3	30.1	6.3		.4	32.5	495
TOTALS		10.7	33.3	1.0	1.2	.7	33.4	24.3	5.8	.1	.4	27.1	5649

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ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956.

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

13928 HAGO TEXAS/JAMES CONNALLY AFB 42-45,48-64
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	04 10	11 25	26 50	51 100	101 250	251 500	501-10 00	10 01-20 00	20 01-50 00	OVER 50 4			MEAN	GREATEST	LEAST
SNOW/FALL	NONE	TRACE	0 1 0 4	0 3 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 4 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4						
SNOW DEPTH	NONE	TRACE	1	2	3	4 4	7 12	13 24	25 36	37-48	49-60	61-120	OVER 120						
JAN	59.8	17.1	2.2	5.6	3.4	4.4	2.9	3.1	1.5					23.1	589	2.06	6.31	.14	
FEB	56.8	15.3	2.4	5.1	3.1	6.5	4.5	3.7	2.6					27.9	509	2.71	6.47	.35	
MAR	60.3	16.3	3.9	4.4	2.5	4.8	3.7	1.5	2.2	.3				23.4	589	2.38	6.78	.07	
APR	60.2	16.3	2.1	3.2	2.5	3.5	5.6	3.0	3.3	.4				23.5	570	3.38	13.08	.31	
MAY	62.8	13.1	1.0	3.4	2.7	4.6	3.2	5.4	3.1	.7				24.1	589	4.21	11.87	1.50	
JUN	70.3	9.5	1.1	2.1	1.9	4.6	4.2	3.0	3.2	.2				20.2	570	3.00	11.41	.15	
JUL	75.0	11.9	.3	2.0	2.0	2.5	2.0	2.4	1.5	.2				13.1	589	1.80	5.10	TRACE	
AUG	76.2	9.8	.7	2.4	2.0	2.0	1.9	3.6	1.2		.2			13.9	589	2.09	10.90	.09	
SEP	69.4	11.9	1.9	3.9	2.6	1.9	2.8	2.6	2.6	.6				14.7	540	3.03	8.06	TRACE	
OCT	72.0	9.8	1.4	3.1	1.7	3.4	3.7	2.4	2.0	.5				18.2	589	2.86	8.58	.00	
NOV	65.9	12.9	2.2	4.9	2.0	2.7	4.1	3.9	1.0	.4				21.2	510	2.26	6.91	TRACE	
DEC	65.4	14.1	1.4	3.4	2.7	4.1	3.4	3.1	1.9	.2				20.5	589	2.35	7.83	.07	
ANNUAL	66.2	13.2	1.7	3.6	2.4	3.7	3.5	3.1	2.2	.3	.0			20.6	6822	32.13			

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EXTREME VALUES

PRECIPITATION
 (FROM DAILY OBSERVATIONS)

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45, 48-64
 YEARS

YEARS

24 HOUR AMOUNTS IN INCHES

MON. YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
42						2.09	.05	1.10	4.25	1.00	.83	1.29	
43	.57	.33	3.41	1.06	2.31	.94	1.58	1.07	1.52	3.85	.68	.95	3.85
44	1.21	1.96	1.55	.36	1.29	.49	.32	.57		.55	2.81	1.84	
45	1.85	2.04	2.22	1.53	.63	1.36	1.62	.84	1.35	1.34			
48												.23	
49	.81		1.33	1.01	.80	1.13	1.03	.86	.18	2.01	TRACE	.34	
50	.38	1.66	.06	1.46	.90	1.51	1.08	.52	2.01	1.31	.45	.07	2.01
51	.21	1.10	1.33	1.15	.88	1.34	2.83	.70	2.72	.57	.65	.99	2.83
52	.32	1.10	1.14	2.37	2.63	.22	.50	.43	1.48	.00	3.48	1.60	3.48
53	.07	.54	1.65	1.60	4.53	.15	1.37	.95	.85	2.38	.26	1.10	4.53
54	.32	.35	.33	1.58	2.13	.23	.74	.85	.84	.48	1.30	.18	2.13
55	.72	2.01	1.70	.92	1.48	1.62	.65	1.31	1.23	1.51	.96	.45	2.01
56	1.24	.79	.05	.55	3.69	.13	.69	.34	TRACE	.46	1.58	1.26	3.69
57	.47	.88	2.52	2.80	2.26	1.41	.15	.93	4.89	2.00	1.08	.34	4.89
58	1.12	1.21	.39	1.32	1.21	.82	.83	8.31	1.87	.29	.62	.44	8.31
59	.33	1.20	.24	1.66	1.54	1.40	1.37	1.54	1.11	3.86	.58	2.00	3.86
60	.93	.71	.30	1.15	1.53	.97	.29	.99	.82	2.52	.40	2.61	2.61
61	1.94	1.99	1.12	.13	1.00	3.10	1.96	.15	2.43	.98	1.25	.35	3.10
62	.23	.65	.81	1.22	1.53	1.11	.08	.09	2.46	.74	.49	.38	2.46
63	.35	.53	.90	.95	1.26	.63	TRACE	1.49	1.01	1.83		.51	
64	1.48	.54	1.08	.76	.86								
MEAN	.77	1.09	1.16	1.29	1.71	1.09	.90	1.21	1.72	1.46	1.02	.87	2.55
S. D.	.566	.603	.891	.699	1.025	.738	.749	1.766	1.275	1.112	.900	.717	1.645
TOTAL OBS.	589	509	589	570	589	570	589	589	540	589	510	589	6822

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

13928 WACO TEXAS/JAMES CONNALLY AFB 48-64
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 15.4	15.5 25.4	25.5 50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	94.6	4.2	.4	.2	.2	.2		.2						1.2	496	.8	6.4	.0	
FEB	95.4	2.9	.7	.4	.4	.2								1.8	452	.6	2.9	.0	
MAR	98.0	1.8		.2										.2	496	.1	1.3	.0	
APR	99.6	.4													480	TRACE	TRACE	.0	
MAY	99.0	1.0													496	TRACE	TRACE	.0	
JUN	99.8	.2													450	TRACE	TRACE	.0	
JUL	99.8	.2													465	TRACE	TRACE	.0	
AUG	100.0														465	.0	.0	.0	
SEP	100.0														450	.0	.0	.0	
OCT	100.0														465	.0	.0	.0	
NOV	98.6	1.4													420	TRACE	TRACE	.0	
DEC	98.2	1.4	.2	.2										.4	496	.1	.8	.0	
ANNUAL	98.5	1.2	.1	.1	.1	.0		.0						.3	5631	1.5			

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EXTREME VALUES

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

48-64
YEARS

SNOWFALL
(FROM DAILY OBSERVATIONS)

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48												.0	
49	6.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	6.4
50	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
51	2.2	1.6	.0	.0	TRACE	.0	TRACE	.0	.0	.0	TRACE	.0	2.2
52	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	TRACE	.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE
54	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	.0	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	.0	TRACE
56	3.0	2.2	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	3.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
58	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
59	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
60	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
61	1.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
62	TRACE	TRACE	1.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
63	TRACE	2.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	
64	.4	1.0	TRACE	.0	.0								
MEAN	.01	.53	.09	TRACE	TRACE	TRACE	TRACE	.00	.00	.00	TRACE	.04	.99
S. D.	1.740	.927	.325	.000	.000	.000	.000	.000	.000	.000	.000	.175	1.833
TOTAL OBS.	496	452	496	480	496	450	465	465	450	485	420	496	5631

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWDEPTH
 (FROM DAILY OBSERVATIONS)

1-928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45, 48-64 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 0.4	0 5 1.4	1 5 2.4	2 5 3.4	3 5 4.4	4 5 6.4	6 5 10.4	10 5 15.4	15 5 25.4	25 5 50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	7	4 6	7 12	15 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	96.1	2.5	.3	.3	.3	.3								1.4	589			
FEB	96.8	1.5	1.1	.2	.4									1.7	537			
MAR	100.0														589			
APR	100.0														570			
MAY	100.0														589			
JUN	100.0														570			
JUL	100.0														589			
AUG	100.0														589			
SEP	100.0														570			
OCT	100.0														589			
NOV	100.0														510			
DEC	99.1	.5	.3											.3	589			
ANNUAL	99.3	.4	.1	.0	.1	.0								.3	6880			

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DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N.C. 28801

EXTREME VALUES

SNOWDEPTH
(FROM DAILY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,48-64
YEARS

DAILY SNOWDEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
42						0	0	0	0	0	0	0	
43	0	0	0	0	0	0	0	0	0	0	0	0	0
44	4	0	0	0	0	0	0	0	0	0	0	0	4
45	0	0	0	0	0	0	0	0	0	0	0	0	
48												0	
49	6	2	0	0	0	0	0	0	0	0	0	0	6
50	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
51	0	1	0	0	0	0	0	0	0	0	0	0	1
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	1	0	0	0	0	0	0	0	0	0	0	0	1
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
56	2	3	0	0	0	0	0	0	0	0	0	0	3
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE	TRACE
61	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
62	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
63	TRACE	TRACE	0	0	0	0	0	0	0	0	0	1	
64	3	1	0	0	0								
MEAN	.8	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.9
S. D.	1.708	.891	.000	.000	.000	.000	.000	.000	.000	.000	.000	.229	1.806
TOTAL OBS.	589	537	589	570	589	570	589	589	570	589	510	589	6880

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

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. C

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

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

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

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

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

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

STATION NO: 13928	STATION NAME: WACC TEXAS/JAMES CONNALLY AFB	LATITUDE: N 38 38	LONGITUDE: W 97 04	BAROMETER ELEV FT 475	CALL SIGN: KWAO	WMO NO:
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STATION HISTORY AND WIND EQUIPMENT INFORMATION

DATE OF CHANGE	TYPE OF STATION CHANGE	WIND EQUIPMENT LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HEIGHT ABOVE GROUND
May 1942	Waco Army Airfield Wea Station	Not available	N/A	N/A	N/A
8/1/48	Waco AFB Det 105-5	Not available	N/A	N/A	N/A
6/30/49	Waco AFB Det 1921-5	Not available	N/A	N/A	N/A
10/19/49	Connally AFB Det 1921-5	Not available	N/A	N/A	N/A
3/30/53	James Connally AFB Det 8 16 Wea Sq	Top of operations building	ML 151-C ML 152-C	ML-144-B	35 Ft
4/4/56	No change	No change	ML 151-B ML 152-B	No change	43 Ft
4/4/58	Det 13 8 Wea Gp	750 Ft from center of active runway and 1700 Ft from north end of runway	AN/GMQ-11	R-02	13 Ft
4/8/59	No change	Adjacent to and near center of runway	No change	No change	At Surface
4/7/60	No change	No change	No change	No change	13 Ft

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 DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

EXTREME VALUES

SURFACE WINDS
 (FROM DAILY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

49-64
YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	NE 31S	33S	48SSW	30SSE	41ESE	41ENE	39ESE	28NE	30S	43SSW	32S	34	S 48
50	SSW 43NNW	33W	42NNE	40NNW	37NNE	43S	34NW	39ENE	39NE	29N	38N	43	SSW 43
51	NNW 36SSW	36NNW	37NW	42NNW	47N	42SW	41SE	37SSW	39NNW	38NNW	41N	40	NNW 47
52	NNW 40NNW	37NNW	48NNW	37N	37SSW	43S	36SSE	36N	49NNE	41NNW	43NNW	30	N 49
53	NW 36SSE	31NNW	36NNW	54SE	36SE	45NE	42WSW	40	N	32			
54	N 39		SSE 45NNW	43			ENE 37S	28			NW 34NNW	36	
55	NW 38NNW	40N	46NW	35NW	45NNW	47N	50NE	38ESE	36N	38N	45N	37	N 50
56	N 32N	41N	44NW	40N	51S	26N	35S	51S	27SSE	27NNW	35N	36	N 51
57	N 47NNW	35NNW	42NNW	38NNW	34S	30MSW	26SW	37NNW	30NW	27N	37N	39	N 47
58	NNW 33NNW	42NNW	31NE	40W	38S	29N	31NNE	33N	29SW	26W	35N	28	NNW 42
59	N 33SW	34WSW	61N	31SW	42NNE	40W	31NW	31	S	27WSW	45		
60	NNW 31W	36N	31N	35WSW	47W	35NNW	37SSE	34		NW 33S	32NNE	24	
61	N 34NNW	31S	39W	41NNW	36NW	36NNW	40NW	38SSE	50				
62	NNE 37N	30SSW	33NNW	32S	31NNE	37NE	29S	31SW	37WSW	28NNW	32N	32	NNE 37
63	NNW 43		N 32		WSW 30N	33S	32		S	30MSW	38		
64		27/ 3328/	46		03/ 35								
MEAN	37.1	35.1	41.3	38.4	39.1	37.6	36.0	35.8	36.0	32.8	37.4	34.5	46.0
S D	4.713	3.780	8.014	6.098	6.174	6.416	6.000	5.886	7.887	6.039	4.963	5.592	4.500
TOT. OBS.	463	394	494	419	463	419	461	430	328	397	358	337	4963

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45, 48-64

STATION

STATION NAME

YEARS

ALL MONTH

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 15	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.4	2.2	1.9	.7	.1	.0	.0				7.0	10.0
NNE	.5	1.1	1.9	1.3	.5	.1	.0					5.4	9.9
NE	.6	1.4	2.1	1.0	.2	.0	.0	.0				5.3	8.3
ENE	.4	.8	1.2	.4	.1	.0	.0					2.9	7.5
E	.6	1.1	1.0	.3	.0	.0	.0					3.1	6.5
ESE	.5	.9	.8	.2	.0	.0						2.4	6.5
SE	.9	1.8	1.8	.6	.1	.0	.0					5.1	6.8
SSE	1.1	2.9	4.3	2.2	.2	.0	.0					10.7	8.2
S	1.8	4.7	8.4	5.5	.9	.1	.0					21.3	9.0
SSW	.6	1.9	4.1	3.3	.8	.1	.0					10.8	10.0
SW	.3	.8	1.3	.7	.1	.0	.0	.0				3.3	8.7
WSW	.2	.4	.5	.2	.0	.0						1.3	7.4
W	.3	.6	.5	.2	.1	.0						1.7	6.9
WNW	.2	.5	.5	.3	.1	.0						1.5	3.1
NW	.3	.6	.8	.5	.1	.0	.0	.0				2.4	8.6
NNW	.4	.8	1.2	1.1	.5	.1	.0	.0				4.1	10.6
VARBL													
CALM												11.4	
	9.3	21.8	32.6	19.6	4.4	.7	.1	.0				100	7.7

TOTAL NUMBER OF OBSERVATIONS

171074

ALLEGHENY BUSINESS SYSTEMS

150624

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 JAN
STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

ALL

HOURE (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.3	3.6	3.9	1.7	.3	.0	.0				12.6	11.0
NNE	.4	1.3	2.7	2.6	1.4	.4	.0					8.9	11.6
NE	.5	1.4	2.0	1.0	.3	.1	.0					5.1	8.7
ENE	.3	.7	.8	.2	.0							2.1	6.8
E	.5	.7	.5	.2	.0							1.8	6.0
ESE	.3	.6	.5	.1	.0							1.6	6.4
SE	.6	1.0	1.0	.2	.0	.0						2.9	6.4
SSE	.8	2.0	2.0	.9	.1	.0						5.9	7.4
S	1.8	4.5	5.9	2.8	.6	.0						15.6	8.1
SSW	.8	2.0	3.7	3.0	1.1	.2	.0					10.8	10.1
SW	.3	.7	1.1	.8	.2	.0						3.0	9.0
WSW	.2	.5	.5	.2	.0							1.3	7.4
W	.3	.8	.9	.2	.0	.0						2.3	7.2
WNW	.3	.7	.7	.6	.1	.0						2.5	8.3
NW	.5	.8	1.3	1.1	.3	.1						4.0	9.4
NNW	.5	1.0	1.9	2.1	1.0	.3	.0					6.8	11.3
VARBL													
CALM												12.7	
	8.9	21.0	29.1	19.9	6.9	1.4	.1	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 14071

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45, 49-64

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	3.3	3.6	1.1	.3	.1	.0				10.8	10.9
NNE	.5	1.1	3.2	2.0	.6	.1						7.5	9.9
NE	.7	1.4	2.5	1.1	.3	.1						6.1	8.5
ENE	.5	.8	1.2	.3	.0	.0						2.8	6.8
E	.6	1.0	.9	.1	.0							2.7	6.0
ESE	.3	.8	.7	.3	.0							2.2	6.8
SE	.6	1.0	1.3	.6	.0							3.5	7.3
SSE	.7	1.7	2.4	1.3	.1	.0						6.2	3.1
S	1.5	3.3	5.3	3.8	.6	.1						14.4	9.0
SSW	.5	1.6	3.6	2.7	.8	.1	.0					9.4	10.3
SW	.2	.8	.9	.9	.3	.0						3.1	9.9
WSW	.2	.6	.7	.3	.1							1.9	8.1
W	.4	1.1	.8	.4	.1	.0						2.8	7.7
WNW	.2	.7	.7	.5	.2	.0						2.4	8.8
NW	.3	.7	1.6	1.1	.3	.0	.0	.0				4.1	9.8
NNW	.4	1.0	2.3	2.4	1.3	.2	.0					7.6	11.5
VARBL													
CALM												12.3	
	8.5	19.4	31.5	21.3	6.0	1.0	.1	.0				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

12886

MAILED/ERY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 43-45,49-64 YEARS MAR MONTH
 ALL WEATHER CLASS ALL HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	43 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.6	3.1	2.8	1.0	.3	.0	.0				9.5	10.8
NNE	.5	1.3	2.3	1.8	.9	.2	.1					7.1	10.7
NE	.8	1.4	2.5	1.2	.3	.0						6.2	8.4
ENE	.4	.7	1.4	.4	.0	.0						3.0	7.7
E	.5	1.0	1.1	.2	.0							2.9	6.8
ESE	.3	.7	.9	.2	.0							2.0	7.0
SE	.4	1.2	1.6	.6	.0							3.8	7.6
SSE	.8	2.1	3.9	2.6	.4	.1	.0					9.9	9.1
S	1.5	2.8	6.1	6.3	1.3	.2						18.2	10.1
SSW	.5	1.3	3.2	3.7	1.2	.3	.0					10.2	11.3
SW	.3	.4	.9	.8	.3	.0	.0	.0				2.6	10.3
WSW	.1	.3	.6	.4	.1	.0						1.5	9.2
W	.3	.5	.8	.5	.2	.0						2.3	9.5
WNW	.3	.5	.7	.7	.3	.1						2.5	10.4
NW	.3	.5	.9	.7	.2	.1						2.7	9.9
NNW	.3	.8	1.6	1.6	1.1	.4	.1	.0				5.9	12.3
VARBL													
CALM												9.7	
	8.0	17.0	31.5	24.5	7.3	1.7	.2	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 14133

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

STATION 13928 STATION NAME WACO TEXAS/JAMES CONNALLY AFB YEARS 43-45, 49-64 MONTH APR
 CLASS ALL WEATHER HOURS (L S T.) ALL
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.4	2.1	1.9	.7	.2	.1					6.7	10.3
NNE	.4	1.0	1.9	1.8	.8	.2						6.0	10.7
NE	.5	1.1	2.1	1.5	.5	.0						5.6	9.5
ENE	.3	.7	1.2	.5	.1	.0						2.8	8.2
E	.5	.7	1.3	.3	.0	.0						2.8	7.2
ESE	.2	.7	1.1	.5	.1	.0						2.6	7.9
SE	.5	1.2	2.0	.8	.1	.0						4.6	8.1
SSE	.7	2.6	6.0	4.8	.6	.0						14.8	9.7
S	1.0	2.9	7.7	8.1	1.9	.2						21.9	10.7
SSW	.4	1.5	3.1	3.5	1.2	.1						9.8	10.9
SW	.2	.6	1.0	.8	.2	.0						2.8	9.4
WSW	.2	.4	.4	.3	.0							1.3	8.0
W	.2	.4	.5	.2	.1	.0						1.5	9.0
WNW	.1	.5	.5	.5	.2	.0						1.8	9.6
NW	.2	.5	.8	.5	.1	.0	.0					2.2	8.9
NNW	.3	.7	.9	1.2	.6	.2	.0					3.9	11.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	8.9	
	6.2	16.7	32.7	27.2	7.0	.9	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 13678

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45, 49-64
 YEARS

MAY
 MONTH

ALL WEATHER
 CLASS

ALL
 HOURS (LST)

CONDITION

ARMED/ARMY BUSINESS SYSTEMS

150024

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.9	1.1	.9	.2	.0						3.8	8.4
NNE	.5	1.0	1.4	.8	.2	.1						3.9	9.9
NE	.5	.9	1.7	.6	.1	.0						3.7	8.2
ENE	.5	.9	1.2	.4	.1	.0						3.1	7.5
E	.6	.9	.7	.2	.0	.0						2.5	6.3
ESE	.6	1.0	.7	.2	.0	.0						2.5	6.0
SE	.8	2.2	2.5	1.2	.2	.0						6.9	7.7
SSE	1.1	3.4	7.2	5.0	.5	.0						17.1	9.2
S	1.3	3.4	9.7	9.3	1.8	.1	.0					25.6	10.3
SSW	.3	1.4	3.8	3.8	1.2	.1	.0					10.6	11.0
SW	.1	.7	.9	.5	.1	.0						2.4	9.1
WSW	.2	.3	.4	.1	.0	.0						1.0	7.2
W	.2	.3	.4	.1	.0	.0						1.0	6.1
WNW	.1	.4	.6	.2	.1	.0						1.4	8.2
NW	.3	.4	.5	.3	.1	.0						1.6	8.2
NNW	.3	.5	.9	.8	.2	.0						2.7	9.5
VARBL													
CALM												10.3	
	7.9	18.6	33.6	24.4	4.8	.4	.0					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 14553

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.7	.9	.4	.1	.0	.0					2.5	7.7
NNE	.5	.6	.8	.4	.0	.0						2.3	7.5
NE	.6	.7	1.2	.3	.1	.0						2.9	7.0
ENE	.3	.6	.8	.2	.0	.0	.0					2.0	7.6
E	.8	1.1	1.2	.2	.0	.0	.0					3.3	6.4
ESE	.6	1.0	.8	.2	.0	.0						2.6	6.1
SE	1.4	2.4	2.8	1.0	.1		.0					7.7	7.0
SSE	1.3	3.8	7.7	3.9	.3							17.0	8.6
S	2.0	5.3	12.1	9.6	1.7	.1	.0					30.7	9.7
SSW	.5	1.7	4.8	5.0	.9	.1						13.0	10.7
SW	.2	.8	1.3	.8	.2	.0						3.2	9.0
WSW	.0	.2	.2	.1	.0	.0						.6	7.8
W	.2	.3	.3	.0	.0							.7	6.1
WNW	.1	.2	.1	.0	.0							.5	6.5
NW	.2	.3	.2	.0	.0							.8	5.8
NNW	.2	.4	.2	.3	.0	.0						1.2	7.6
VARBL													
CALM												8.7	
	9.4	20.2	35.3	22.5	3.5	.3	.0					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

14390

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45, 49-64 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER

CLAS

ALL

HOURS (LST)

CONDITION

SPD (KNTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
DIR.													
N	.4	.4	.4	.2	.0	.0						1.5	6.8
NNE	.4	.5	.5	.2	.1	.0	.0					1.7	7.5
NE	.5	.9	1.4	.4	.1	.0		.0				3.3	7.5
ENE	.3	.6	1.1	.6	.1	.0						2.7	8.5
E	.7	.9	1.3	.2	.0	.0						3.3	7.0
ESE	.5	.8	1.1	.3	.0	.0						2.7	7.0
SE	1.2	2.1	2.1	.8	.0	.0						6.3	6.7
SSE	1.6	2.2	5.0	2.6	.2							13.6	7.7
S	2.7	7.6	14.0	6.8	.2	.0						31.6	8.3
SSW	.7	3.2	6.7	4.8	.3	.0						15.9	9.5
SW	.5	1.2	2.3	1.0	.1							5.0	8.4
WSW	.1	.5	.8	.1								1.5	7.2
W	.3	.5	.3	.0		.0						1.1	5.3
WNW	.1	.2	.2	.0								.5	6.0
NW	.2	.2	.2	.1	.0	.0						.6	6.1
NNW	.2	.2	.2	.1	.0							.8	6.9
VAPBL													
CAIM												8.0	
	10.3	23.9	37.5	18.4	1.8	.2	.0	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 14877

ALLIANT/BENT BUSINESS SYSTEMS

OK

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45, 49-64 YEARS
 ALL WEATHER CLASS
 CONDITION
 AUG MONTH
 ALL HOURS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.8	.7	.4	.0	.0						2.3	7.0
NNE	.4	.7	1.1	.5	.0	.0						2.8	7.7
NE	.5	1.2	1.5	.5	.0	.0						3.7	7.4
ENE	.5	.9	1.3	.4	.1	.0						3.1	7.6
E	.9	1.7	1.6	.4	.1	.0	.0					4.7	6.8
ESE	.7	1.2	1.4	.4	.0	.0						3.7	6.7
SE	1.0	2.6	2.8	.6	.0	.0						7.1	6.7
SSE	1.3	3.7	5.1	1.3	.1	.0						11.5	7.2
S	2.2	7.3	11.6	4.6	.4	.0						26.1	8.0
SSW	.9	3.1	6.6	4.0	.3	.0						15.0	9.0
SW	.4	1.5	2.6	.8	.0							5.2	7.9
WSW	.1	.6	.9	.2								1.8	7.4
W	.3	.4	.4	.0								1.1	5.7
WNW	.1	.2	.2	.0	.0							.6	6.4
NW	.2	.2	.3	.1	.0							.7	6.5
NNW	.2	.3	.5	.2	.0							1.2	7.2
VARBL													
CALM												9.4	
	10.2	26.3	38.4	14.2	1.2	.2	.0					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 14874

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45,49-64 YEARS SEP MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.2	1.8	.9	.1	.0						4.9	7.7
NNE	.7	1.5	2.1	1.0	.3	.1	.0					5.7	8.5
NE	1.0	2.4	3.6	1.3	.2	.0						8.5	7.7
ENE	.7	1.7	2.0	.7	.1	.0						5.2	7.4
E	1.2	2.3	1.8	.5	.1	.1						5.8	6.5
ESE	.8	1.8	1.2	.3	.0	.0						4.2	6.1
SE	1.7	2.8	2.0	.4	.0	.0						7.0	5.9
SSE	1.5	3.6	3.6	1.0	.0		.0					9.7	6.8
S	2.0	5.3	7.1	3.5	.3	.0						18.2	7.9
SSW	.6	1.5	3.2	1.8	.3	.0						7.7	8.7
SW	.3	.8	1.0	.3	.1							2.5	7.6
WSW	.2	.4	.3	.1								.8	6.2
W	.3	.5	.2	.0								1.1	5.1
WNW	.2	.4	.3	.0								1.0	5.5
NW	.4	.5	.3	.1	.0							1.3	6.0
NNW	.2	.5	.6	.5	.1	.0						2.0	8.8
VARBL													
CALM												14.2	
	12.7	27.6	31.1	12.5	1.7	.2	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 14399

ALLIED/BORG BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR.													
N	.9	1.7	2.5	2.0	.4	.1						7.5	8.9
NNE	.7	1.4	2.2	1.6	.4	.1	.0					6.3	9.1
NE	.9	2.3	2.9	1.5	.2	.1						7.8	8.2
ENE	.5	1.0	1.3	.4	.1	.0						3.3	7.4
E	.8	1.4	.9	.4	.0	.0						3.5	6.2
ESE	.7	.8	.5	.1								2.2	5.4
SE	1.2	2.3	1.4	.2	.0							5.0	5.6
SSE	1.4	3.1	3.3	1.3	.1							9.2	7.1
S	1.9	4.9	7.1	3.2	.3	.0						17.4	8.0
SSW	.5	1.9	3.4	2.0	.4	.1						8.2	9.2
SW	.4	.9	1.3	.7	.1	.0						3.5	8.4
WSW	.3	.4	.3	.1	.0							1.0	6.2
W	.4	.7	.3	.1	.0							1.5	5.2
WNW	.2	.5	.3	.1	.0	.0						1.1	6.4
NW	.4	.8	.9	.3	.1	.0						2.5	7.1
NNW	.5	1.0	1.4	.8	.4	.1						4.2	9.1
VARBL													
CALM												15.8	
	11.6	25.0	29.9	14.6	2.5	.5	.0					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

14878

ALLIED/FORT BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44,49-64 YEARS NOV MONTH

ALL WEATHER CLASS ALL HOURS (LST) MONTH

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.3	3.3	3.1	1.5	.3	.1	.0				11.3	10.6
NNE	.4	1.3	2.0	1.6	.9	.2	.0					6.4	10.6
NE	.5	1.6	2.2	1.1	.4	.1						5.9	8.6
ENE	.3	.8	1.1	.3	.0							2.5	7.3
E	.4	.8	.7	.2								2.0	6.3
ESE	.3	.5	.5	.1	.0							1.4	6.4
SE	.5	1.7	1.0	.2	.0							3.5	6.1
SSE	.8	2.6	2.7	1.2	.1							7.4	7.4
S	1.5	4.5	7.0	4.3	.7	.1						18.1	8.8
SSW	.5	1.5	3.2	2.8	1.1	.1						9.2	10.5
SW	.3	.9	1.1	.9	.2	.0						3.4	8.8
WSW	.2	.6	.4	.1	.0							1.5	6.5
W	.4	1.0	.6	.2	.0	.0						2.3	6.6
WNW	.4	.8	.7	.2	.1	.0						2.1	6.9
NW	.5	1.1	1.5	.7	.2	.0						4.0	8.3
NNW	.5	1.2	1.8	1.6	.7	.2	.0					5.9	10.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	13.4	
	8.4	23.1	29.7	18.4	5.9	1.0	.1	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 13677

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-44, 48-64
STATION STATION NAME YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR.													
N	.7	2.3	3.9	3.3	1.7	.4	.0					12.2	10.8
NNE	.5	1.2	2.4	2.1	.6	.1	.0					6.9	10.2
NE	.5	1.1	2.0	1.2	.1	.0						4.9	8.8
ENE	.2	.7	.8	.3	.0							2.0	7.5
E	.4	.6	.5	.1	.0							1.7	6.0
ESE	.4	.5	.3	.1								1.3	5.7
SE	.6	1.1	.8	.3	.0							2.8	6.6
SSE	.9	1.8	2.2	.8	.0							5.7	7.1
S	1.6	4.7	6.5	3.0	.6	.1						16.4	8.2
SSW	.7	1.9	3.4	2.3	.6	.2						9.1	9.5
SW	.4	.9	1.1	.5	.1							3.0	7.7
WSW	.3	.7	.6	.2	.0							1.7	7.0
W	.5	1.1	.9	.2	.1							2.7	6.7
WNW	.3	.7	1.0	.3	.1	.0						2.4	7.7
NW	.4	1.5	1.5	1.0	.4	.1						4.9	8.9
NNW	.6	1.5	2.6	2.3	1.0	.3	.0					8.3	10.7
VARBL													
CALM												14.0	
	8.8	22.1	30.4	18.3	5.3	1.1	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 14658

ALLIED/EGY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.8	3.1	3.4	1.5	.3	.1					11.8	10.7
NNE	.5	1.5	2.8	2.0	.8	.5	.1					8.3	10.9
NE	.6	1.0	2.2	.7	.5	.1						4.9	8.9
ENE	.2	1.0	.5	.1								1.8	6.2
E	.6	.5	.2	.1								1.3	4.8
ESE	.5	.9	.3									1.7	4.9
SE	.5	1.2	1.0	.1	.1							2.8	6.4
SSE	.6	2.4	1.5	.7								5.2	6.9
S	2.4	5.4	6.0	2.2	.5							16.4	7.3
SSW	1.7	2.6	3.0	2.7	.5							10.5	8.5
SW	.2	1.0	.6	.3								2.0	7.0
WSW	.3	.1	.2									.6	4.5
W	.4	1.1	.8	.1								2.4	6.2
WNW	.6	.6	.5	.1		.1						1.9	6.5
NW	.6	.8	1.4	.8	.2							3.8	8.5
NNW	.5	.8	2.1	1.9	.5	.2						6.0	10.6
VA?BL													
CALM												18.7	
	10.5	23.7	26.0	15.2	4.6	1.1	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/BRY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.3	4.0	3.6	1.8	.2						12.7	10.7
NNE	.5	1.7	2.7	2.5	1.3	.5						9.2	11.1
NE	.6	1.2	1.1	.6	.1							3.6	7.0
ENE	.2	.5	.5	.2								1.4	6.6
E	.4	.7	.5	.1								1.7	5.7
ESE	.3	.4	.3									1.0	5.2
SE	.5	1.0	1.1	.1								2.6	6.0
SSE	1.3	2.4	2.2	.7								6.6	6.4
S	2.1	4.7	5.2	1.5	.5							14.0	7.3
SSW	1.2	2.5	3.3	2.5	.2							9.8	8.2
SW	.7	.7	.9	.4								2.7	6.8
WSW	.1	.7	.1									.8	4.9
W	.7	1.0	1.0	.1								2.8	5.4
WNW	.5	.7	.7	.3	.1							2.2	6.8
NW	.8	1.2	1.6	1.1	.1	.1						4.9	8.1
NNW	.7	1.4	1.8	2.5	.5	.1						6.8	10.0
VARBL													
CALM												17.2	
	11.5	23.1	26.8	16.2	4.3	.8						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/CORY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.4	3.8	4.3	1.6	.2						13.2	10.8
NNE	.5	1.1	2.4	2.7	1.3	.6						8.6	11.9
NE	.6	1.5	1.2	.3	.1							3.7	6.7
ENE	.2	.5	.7	.2								1.6	7.0
E	.3	.5	.3	.2								1.3	5.7
ESE	.3	.4	.7	.2								1.6	7.0
SE	.7	.8	.6	.1								2.2	5.1
SSE	1.1	2.2	1.9	.4								5.5	6.2
S	2.3	5.8	5.5	1.4	.2							15.2	6.7
SSW	1.4	2.1	3.6	2.5	.5	.1						10.1	8.7
SW	.2	.8	.7	.3								2.1	7.5
WSW	.2	.6	.4	.1								1.3	6.3
W	.3	1.1	.6	.1	.1							2.1	5.9
WNW	.8	1.3	.8	.5	.1							3.5	6.3
NW	.7	1.2	1.5	1.1	.3	.1						5.0	8.7
NNW	.8	1.3	1.9	2.4	.7	.2						7.4	10.4
VAREL												15.6	
CALM												15.6	
	11.5	23.5	26.8	16.7	4.6	1.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

STATION 13928 STATION NAME WACO TEXAS/JAMES CONNALLY AFB YEARS 43-45,49-64 MONTH JAN
 CLASS ALL WEATHER HOURS (LST) 0900-1100
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	3.7	4.5	2.0	.7						13.4	11.6
NNE	.2	1.0	2.2	3.0	1.8	.5						8.6	12.8
NE	.5	1.4	2.2	1.5	.3	.2						6.0	9.5
ENE	.2	.6	.3	.3								1.5	6.7
E	.4	.6	.6	.2								1.9	6.3
ESE	.3	.6	.5	.5								1.9	7.3
SE	.3	.6	1.0	.7								2.5	8.3
SSE	.7	1.9	2.2	.8	.1							5.7	7.4
S	1.9	3.7	7.1	3.0	.3	.1						16.1	8.3
SSW	.2	2.1	5.0	3.3	2.0	.2						12.9	10.9
SW	.2	.7	1.6	.8	.3							3.6	9.7
WSW	.3	.7	.7	.2								1.9	6.6
W	.2	.6	.9	.5	.1							2.2	8.0
WNW	.4	1.0	.7	1.0	.3							3.3	8.8
NW	.2	.8	1.0	1.5	.3	.3						4.2	10.7
NNW	.4	.8	2.0	2.7	1.4	.5						7.8	12.4
VAREL													
CALM												6.5	
	7.5	18.7	31.7	24.3	8.9	2.4						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 1766

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 26801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 JAN
STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.4	4.0	4.2	2.3	.2						12.4	12.0
NNE	.3	.7	2.3	3.3	1.5	.1						8.3	12.1
NE	.3	.9	2.4	1.6	.6	.1	.1					5.9	10.6
ENE	.3	.5	.7	.4	.1							2.0	8.1
E	.4	.5	.8	.3								2.0	7.4
ESE	.3	.6	.8	.1								1.8	6.9
SE	.5	1.0	.6	.1								2.2	5.5
SSE	.3	1.2	1.9	1.3	.5							5.1	9.5
S	.6	2.5	5.5	4.1	.5	.2						13.5	9.7
SSW	.4	1.8	4.8	4.8	3.0	.8	.1					15.6	12.5
SW	.1	.7	1.9	2.2	.7	.1						5.8	11.2
WSW	.1	.3	1.4	.6	.2							2.6	9.8
W	.2	.6	1.6	.6	.1	.1						3.1	9.6
WNW	.1	.3	1.1	1.2	.2	.1						3.1	10.6
NW	.2	.1	1.7	1.6	.6	.1						4.3	12.0
NNW	.3	.7	2.2	2.2	1.8	.6						7.8	12.8
VARBL													
CAV												4.6	
	4.8	13.8	33.7	28.6	12.0	2.4	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 1767

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

STATION: 13928 STATION NAME: MACO TEXAS/JAMES CONNALLY AFB YEARS: 43-45, 49-64 MONTH: JAN
 CLASS: ALL WEATHER HOURS (L.S.T.): 1500-1700
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.8	3.6	4.1	2.1	.3						12.4	11.8
NNE	.4	1.4	3.0	2.6	2.0	.3						9.7	11.0
NE	.4	1.5	2.8	1.9	.2	.1						7.0	9.5
ENE	.3	.7	1.2	.1								2.3	6.6
E	.6	.6	.7	.3	.1							2.2	6.8
ESE	.5	.5	.6	.1								1.6	6.0
SE	.5	.8	1.2	.2	.1							2.8	7.0
SSE	.5	2.0	2.6	1.6	.2	.1						6.9	8.8
S	.5	3.2	5.9	4.2	1.9	.1						15.8	10.2
SSW	.2	1.0	4.1	4.3	2.2	.2						11.9	12.1
SW	.2	.3	1.2	1.6	.2							3.5	10.8
WSW	.1	.5	.6	.5								1.6	8.6
W	.2	1.0	.7	.7	.2							2.7	8.6
WNW	.2	.6	1.0	1.0	.2							3.0	9.4
NW	.4	1.0	1.3	1.1	.3							4.0	9.3
NNW	.4	.7	2.1	1.9	1.2	.6	.1					7.0	12.4
VARBL													
CALM												5.5	
	5.8	17.5	32.7	26.1	10.8	1.6	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 1758

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 JAN
STATION STATION NAME YEARS MONTH

ALL HEATHER
CLASS

CONDITION

1800-2000
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.3	3.7	3.2	1.6	.2						13.3	9.8
NNE	.3	1.3	2.7	2.6	1.2	.3	.2					8.6	11.8
NE	.7	1.8	2.0	1.0	.1	.1						5.6	7.6
ENE	.3	1.1	1.6	.3								3.3	7.1
E	.5	1.2	.3		.1							2.1	4.9
ESE	.2	1.3	.5	.1	.1							2.1	3.5
SE	1.0	1.1	1.0	.4								3.6	6.4
SSE	1.0	2.5	2.6	.6	.1							6.7	6.8
S	2.4	5.6	6.3	2.9	.3	.1						17.7	7.5
SSW	.9	1.4	2.9	2.1	.2							7.5	8.8
SW	.1	.6	1.3	.2								2.1	7.5
WSW	.1	.4	.2	.1								.9	6.6
W	.2	.5	.6									1.2	6.0
WNW	.1	.8	.2	.2	.2							1.5	8.0
NW	.4	.7	1.0	.9	.1							3.0	8.5
NNW	.6	1.1	2.0	1.6	.9							6.1	10.1
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	14.6	
	10.1	24.7	28.9	16.0	4.8	.6	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1740

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

ALL WEATHER
CLASS

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

CONDITION

ALLIED/CENT BUSINESS SYSTEMS

150024

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.9	2.6	3.7	1.1	.3	.3	.1				11.9	10.7
NNE	.9	1.8	3.1	2.3	1.6	.5						10.1	10.9
NE	.6	1.4	1.8	.2	.3							4.4	7.6
ENE	.5	.9	1.3	.1								2.7	6.2
E	.5	1.0	.3	.3								2.1	6.0
ESE	.3	.5	.3	.2								1.3	6.4
SE	.9	1.3	1.7	.2		.1						4.2	6.4
SSE	1.0	1.7	1.6	.8	.2							5.2	7.4
S	2.0	5.1	5.3	3.5	.6							16.4	8.0
SSW	.7	2.4	2.9	1.5	.3							7.7	8.3
SW	.3	.8	1.0	.2								2.4	6.5
WSW	.1	.4	.4	.1								1.0	6.4
W	.2	.8	.8									1.8	6.0
WNW	.1	.3	.4	.3	.1	.1						1.3	10.1
NW	.5	.5	1.0	.7	.2							2.9	9.0
NNW	.4	1.3	1.5	1.5	1.0	.1						5.8	10.9
VARBL												18.7	
CALM													
	9.9	23.1	26.0	15.6	5.3	1.0	.3	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1739

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L S T.)

CONTRITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.0	2.8	3.2	.3	.1	.1					9.4	9.6
NNE	.5	.7	3.0	1.4	.4	.1						6.2	9.6
NE	.9	1.1	2.5	.6	.2							5.4	7.8
ENE	.6	.9	.7	.1								2.3	5.6
E	.5	.9	.8	.1								2.2	5.9
ESE	.4	.4	.5	.4								1.7	6.9
SE	.4	1.1	.9	.4								2.5	7.0
SSE	.9	1.5	1.9	.7	.1							5.2	7.3
S	1.7	4.5	6.0	3.5	.5							16.1	8.2
SSW	.4	2.1	4.2	2.2	.4							9.4	9.1
SW	.2	.7	1.0	.6								2.5	8.4
WSW	.3	.5	.4	.1								1.3	6.0
W	.6	2.4	.8	.1								4.0	5.4
WNW	.3	.9	.4	.1	.1							1.8	6.5
NW	.6	.9	1.8	.9	.2			.1				4.5	9.2
NNW	.6	1.0	1.9	2.0	.8	.1						6.5	10.3
VARBL													
CALM												18.7	
	10.0	21.5	29.8	16.3	3.2	.3	.1	.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WAGO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.9	3.4	3.3	.6	.1	.1					10.0	10.2
NNE	.6	.7	2.9	1.9	.6							6.8	9.8
NE	.7	1.2	2.0	1.1	.1	.1						5.2	8.5
ENE	.5	.5	.8	.2	.1							2.0	6.7
E	1.1	.9	.7	.2								2.8	5.3
ESE	.3	.6	.9	.1								2.0	6.1
SE	.4	1.1	1.3	.4								3.2	6.9
SSE	.9	1.6	.9	.4								3.7	6.0
S	2.2	3.8	5.5	2.8	.1							14.3	7.6
SSW	.7	2.1	4.0	1.6	.4							8.8	8.5
SW	.1	.8	.9	.3								2.2	7.4
WSW	.4	.6	.7									1.7	5.8
W	.6	1.5	1.3	.2								3.5	6.2
WNW	.2	1.1	1.2	.2								2.8	6.9
NW	.6	.9	.9	1.3	.4	.1						4.2	9.7
NNW	.4	1.4	2.9	1.9	1.1	.1						7.7	10.4
VARBL													
CALM												19.0	
	10.4	20.7	30.3	15.7	3.5	.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

1611

ATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.2	3.5	3.4	1.1	.2	.1	.1				10.2	11.2
NNE	.9	1.6	3.0	2.0	.1							7.6	8.5
NE	.6	.8	2.2	1.2	.1							4.8	8.4
ENE	.9	.8	1.3	.3								3.3	6.4
E	.6	1.0	.6	.1								2.3	5.2
ESE	.3	1.0	.6	.2								2.2	6.5
SE	.8	.7	1.6	.2								3.2	6.5
SSE	.7	1.9	2.0	.4								5.1	6.6
S	2.0	4.6	5.1	1.9	.1							13.7	7.2
SSW	.8	1.9	3.4	1.9	.3							8.3	8.5
SW	.2	.8	.6	.2								1.8	6.8
WSW	.2	.7	.6	.1								1.7	6.5
W	.6	1.3	1.5	.3								3.7	6.6
WNW	.4	1.2	1.0	.1	.1							2.8	6.6
NW	.7	1.4	1.9	1.3	.5							5.8	8.8
NNW	.7	1.4	2.5	3.0	1.5							9.1	10.8
VARBL													
CALM												14.5	
	11.4	22.2	31.2	16.7	3.8	.2	.1	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1611

ALLEN/ENR BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

ALLIED/FORT BUSINESS SYSTEMS

160824

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.4	2.4	4.3	2.1	.2						11.0	12.1
NNE	.4	.8	2.4	2.0	.7	.1						6.5	10.7
NE	.4	1.2	3.1	1.7	.7	.1						7.2	9.7
ENE	.3	.7	1.7	.4								3.2	7.9
E	.2	.9	1.6	.4	.1							3.2	7.5
ESE	.1	1.1	1.0	.4	.1							2.6	7.5
SE	.3	.7	1.5	1.3	.1							4.0	9.1
SSE	.2	1.4	2.6	1.7	.1							6.0	9.0
S	.9	2.3	5.0	4.3	.2	.1						13.1	9.7
SSW	.7	1.4	3.4	3.9	.9	.5	.1					10.7	11.3
SW	.4	1.0	1.1	1.2	.4	.1						4.2	10.0
WSW	.1	.6	1.1	.5	.3							2.6	9.6
W	.1	.9	.9	.7	.1	.1						2.8	9.3
WNW	.2	.4	1.1	.7	.4							2.8	10.4
NW	.1	.7	1.8	1.5	.6							4.8	10.8
NNW	.2	.7	2.6	3.1	1.7	.4						8.7	12.9
VARBL													
CALM												6.6	
	5.3	16.2	33.3	28.2	8.6	1.6	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

STATION 13928 STATION NAME WACO TEXAS/JAMES CONNALLY AFB YEARS 43-45,49-64 MONTH FEB
 CLASS ALL WEATHER HOURS (LST) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.6	3.7	3.8	1.6	.5	.1					12.1	11.6
NNE	.4	1.2	2.3	2.0	1.5	.2						7.6	11.4
NE	.4	.9	2.1	1.7	.3	.1						5.7	9.9
ENE	.4	.7	1.2	.5								2.8	7.6
E	.9	.8	.9	.2								2.9	6.0
ESE	.1	1.2	.9	.2	.1							2.5	7.0
SE	.1	.7	1.0	.6	.1							2.4	8.7
SSE	.6	1.6	1.9	2.2	.3	.1						6.6	9.4
S	.7	1.6	3.7	7.0	1.2	.2						14.5	11.5
SSW	.3	.7	2.9	4.3	2.1	.5						10.9	13.0
SW		.5	1.6	2.2	.7	.1						5.1	12.0
WSW	.1	.3	1.9	.9	.2							3.4	9.7
W	.2	.5	.7	1.1	.4	.1						3.0	11.6
WNW	.1	.5	.6	1.1	.4	.1						2.7	11.5
NW	.2	.8	1.6	1.6	.2	.2						4.5	10.8
NNW	.1	.9	2.5	3.5	1.9	.4						9.3	12.8
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	4.0	
	5.3	14.7	29.6	32.9	10.9	2.5	.1					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 1610

150034

ALLIED/EGW BUSINESS SYSTEMS

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 FEB
STATION STATION NAME YEARS MONTH

ALL WEATHER 1500-1700
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	3.2	4.7	1.3	.4						11.2	11.8
NNE	.2	.5	4.2	2.6	1.1	.3						8.9	11.6
NE	.7	1.4	3.0	1.7	.4	.2						7.6	9.3
ENE	.4	.9	1.3	.3	.1	.1						3.0	7.8
E	.4	1.1	1.2	.2								3.0	6.5
ESE	.2	.8	.9	.3								2.2	7.3
SE	.7	.7	1.6	.6	.1							3.6	7.6
SSE	.4	1.1	2.5	2.4	.4	.1						7.0	10.1
S	.6	1.6	5.8	4.9	1.0	.4						14.4	11.1
SSW	.4	1.4	3.3	4.2	1.9	.2						11.4	11.9
SW	.2	.8	.7	2.0	.6	.1						4.5	11.6
WSW	.1	.7	.5	.7	.2							2.2	9.7
W	.1	.3	.7	.6	.3							2.0	10.8
WNW		.6	.8	1.1	.3	.1						2.9	11.2
NW		.7	1.9	1.4	.4							4.5	10.4
NNW	.3	.9	2.0	2.8	1.6	.4	.1					8.0	12.6
VARR													
CALM												3.7	
	5.3	14.7	33.6	30.6	9.7	2.2	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 1611

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 FEB
STATION STATION NAME YEARS MONTH
 ALL WEATHER 1800-2000
CLASS HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.6	4.4	2.9	.7	.3	.1					11.1	10.0
NNE	.6	1.9	3.5	1.9	.3							8.3	8.9
NE	1.4	1.9	3.4	.7	.2							7.6	7.1
ENE	.9	1.1	1.4	.3								3.7	6.3
E	.6	1.4	.7	.1								2.7	5.3
ESE	.6	.6	.7	.2	.1							2.1	6.4
SE	.8	1.9	1.7	.5								4.9	6.7
SSE	1.0	2.7	3.7	1.6	.1							9.1	7.7
S	1.7	4.0	4.6	2.8	.7							13.9	8.3
SSW	.4	1.6	3.5	1.7	.2							7.4	9.1
SW	.1	1.0	.8	.3	.4							2.5	9.2
WSW	.2	.4	.1	.1								.9	5.8
W	.4	.7	.3	.3	.1							1.8	6.8
WNW	.5	.6	.4	.2	.2							2.0	7.3
NW	.1	.2	1.2	.5	.1							2.0	9.4
NNW	.6	1.3	2.4	1.8	.7	.3						7.1	10.5
VARBL													
CALM												12.9	
	10.9	22.9	32.9	16.0	3.7	.6	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1610

ALLIED/EGRY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.9	3.3	2.9	1.2	.2	.1					10.9	10.0
NNE	.6	1.6	3.8	1.9	.4							8.3	8.9
NE	.7	2.4	1.7	.4	.2							5.5	6.8
ENE	.4	.9	1.0	.1								2.4	6.2
E	.7	.9	.7									2.4	5.5
ESE	.4	1.0	.4	.3								2.1	6.1
SE	.9	1.4	1.1	.6								3.9	6.4
SSE	.6	1.9	3.8	.9	.1							7.3	7.7
S	1.9	3.7	6.4	2.9	.6	.1						15.5	8.4
SSW	.5	1.8	4.2	1.7	.4							8.6	9.2
SW	.2	.8	.6	.3	.2							2.1	8.7
WSW	.1	1.1	.2	.1	.1							1.7	6.8
W	.2	.9	.4		.1							1.6	6.7
WNW	.2	.6	.3	.4								1.5	8.1
NW	.1	.4	1.7	.6			.1					2.7	9.5
NNW	.4	.8	1.5	1.1	.8	.1						4.7	10.5
VARBL												18.7	
CALM													
	9.2	22.0	31.0	14.3	4.2	.4	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1611

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 43-45,49-64 YEARS MAR NORTH 0000-0200 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MFAN WIND SPEED
N	1.0	1.9	3.6	1.6	.4	.3						8.8	9.0
NNE	.8	1.8	2.3	1.3	.7	.1	.1					7.1	9.4
NE	.8	1.6	2.7	.8	.3							6.2	8.0
ENE	.4	.5	.9	.2								1.9	6.7
E	.6	.9	.8	.2								2.4	5.9
ESE	.4	.4	.7	.2								1.6	6.7
SE	.3	1.0	.7	.6								2.6	7.3
SSE	1.1	1.9	3.7	2.3	.2							9.3	8.4
S	1.8	4.0	7.2	6.6	1.3	.1						21.0	9.6
SSW	.6	1.4	3.1	2.9	.8	.2	.1					9.0	10.8
SW	.2	.6	.8	.2								1.9	7.3
WSW	.1	.4	.2	.1								.8	5.8
W	.3	.5	.5	.3								1.5	7.0
WNW	.4	.5	.8	.2	.1							1.9	7.2
NW	.3	.8	.6	.5	.1	.1						2.3	8.4
NNW	.3	.9	1.5	1.0	.9	.2	.2					5.0	11.9
VARBL													
CALM												16.7	
	9.5	19.0	30.0	18.9	4.8	.9	.3					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1766

ALLEN/EMB BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 43-45,49-64 YEARS MAR MONTH
 ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.8	3.3	2.1	1.0	.3						9.3	10.1
NNE	1.3	1.8	2.5	1.1	.5	.2	.1					7.5	8.8
NE	1.0	1.6	2.5	.7	.4							6.2	7.9
ENE	.5	.4	.7	.1								1.6	5.8
E	.3	.8	1.0	.2								2.3	6.7
ESE	.2	.6	.5									1.3	5.4
SE	.3	1.2	.8	.1	.1							2.5	6.8
SSE	.7	2.2	4.0	1.5	.2							8.6	8.3
S	2.2	3.5	6.2	5.1	.6	.1						17.7	8.8
SSW	.8	1.6	4.1	2.7	.5							9.7	9.3
SW	.7	.6	.6	.1	.2							2.1	6.2
WSW	.2	.4	.7	.2								1.4	7.4
W	.3	.6	.5	.2								1.5	6.5
WNW	.6	.8	.7	.3	.1							2.5	7.0
NW	.7	.9	1.0	.5	.2	.1						3.4	7.9
NNW	.6	1.2	1.3	1.0	1.2	.5						5.8	11.4
VARBL													
CALM												16.5	
	11.1	19.9	30.6	15.6	5.0	1.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1767

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.9	3.2	2.3	1.2	.5	.1					10.4	10.3
NNE	.2	1.6	2.2	1.6	.7	.3	.2					6.8	10.9
NE	.6	1.6	2.5	.9	.2	.1						5.9	8.1
ENE	.5	.6	1.5	.1	.1							2.7	7.1
E	.2	1.1	1.2	.1								2.6	6.8
ESE	.4	.8	1.0	.3								2.5	6.6
SE	.5	1.1	1.2	.2	.1							3.0	6.9
SSE	1.1	2.5	4.0	1.0	.5							9.1	7.7
S	1.9	2.6	5.6	4.6	.2							14.9	8.7
SSW	1.0	2.0	4.8	3.2	.3							11.2	9.2
SW	.2	.3	.8	.3	.1							1.7	8.5
WSW	.2	.6	.7	.3	.1							1.8	7.7
W	.5	.9	.6	.2	.1							2.2	6.6
WNW	.3	1.0	1.0	.3								2.6	6.9
NW	.6	.9	1.2	.7	.2	.1						3.7	8.4
NNW	.6	.9	1.9	1.4	1.6	.3						6.7	11.9
VARBL													
CALM												12.2	
	9.7	20.6	33.3	17.6	5.0	1.3	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/BRY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS / JAMES CONNALLY AFB STATION NAME 43-45,49-64 YEARS MAR MONTH
 ALL WEATHER CLASS 0900-1100 HOURS (LST)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.1	2.5	3.3	1.5	.3	.1					9.2	12.4
NNE	.1	.5	1.6	3.0	1.7	.3	.1					7.4	13.6
NE	.3	.9	2.0	1.4	.4							5.0	9.8
ENE	.3	.5	1.9	.6								3.3	8.6
E	.6	1.2	1.6	.4								3.8	7.1
ESE	.2	.3	1.8	.5	.1							2.8	8.9
SE	.2	.7	2.4	.8								4.1	8.6
SSE	.6	1.4	4.0	2.7	.4	.1						9.2	9.6
S	.6	2.3	5.3	6.5	1.1	.2						15.9	10.8
SSW	.4	1.2	4.4	5.7	2.0	.2						13.9	12.0
SW	.4	.5	1.0	2.0	.5	.1						4.5	11.4
WSW	.1	.3	.6	.6	.1	.1						1.7	10.5
W	.2	.3	1.2	.7	.2	.1						2.7	9.9
WNW	.2	.5	.3	1.1	.5	.1						2.6	12.1
NW	.1	.3	1.2	1.0	.4	.2						3.2	11.6
NNW	.1	.5	1.9	2.4	2.0	.4						7.1	13.7
VARBL													
CALM												3.6	
	4.7	12.5	33.5	32.8	10.7	2.1	.2					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 1767

ALLIED/EGRT BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.0	2.9	4.2	1.2	.5		.1				10.1	12.2
NNE	.2	.6	1.9	1.0	1.2	.5	.1					5.4	12.7
NE	.6	.8	2.3	2.3	.3							6.3	9.6
ENE	.2	.6	1.9	.8	.1	.1						3.7	9.3
E	.2	.7	1.0	.1	.1							2.2	7.8
ESE	.2	.7	1.0	.3	.1							2.2	7.9
SE	.5	1.0	1.6	.9	.1							4.1	8.1
SSE	.4	1.3	2.7	3.2	.5	.1						8.2	11.5
S	.7	1.8	4.8	7.6	2.1	.3						17.3	11.7
SSW	.2	1.2	2.8	6.2	2.7	.9						14.0	13.4
SW	.2	.1	1.6	1.6	1.0	.2	.1					4.7	13.1
WSW	.1	.2	.7	1.1	.3							2.4	11.5
W	.3	.2	.8	1.1	.8	.2						3.5	12.8
WNW	.1	.2	.6	1.5	.6	.2						3.2	13.4
NW	.1	.2	.6	.7	.3	.1						2.1	12.0
NNW	.2	1.0	2.0	2.7	1.1	.7	.1					7.8	12.9
VARBL													
CALM												2.8	
	4.4	11.7	29.3	35.4	12.3	3.7	.2	.1				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIANT/BURT BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEAR

MAR
MONTH

1500-1700
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.9	3.2	3.7	1.2	.1	.1					9.6	11.5
NNE	.1	1.0	2.7	2.5	1.0	.1	.1					7.6	11.6
NE	.4	1.1	2.9	1.9	.6							7.0	9.8
ENE	.2	.3	1.8	.8	.2	.1						3.4	10.1
E	.2	.6	1.2	.5								2.5	8.0
ESE	.3	.6	1.0	.3								2.1	7.3
SE	.3	1.2	1.8	.9	.1							4.2	8.2
SSE	.4	1.2	3.3	3.7	.6	.1						9.2	10.6
S	1.0	1.5	5.5	7.9	2.5	.3						18.7	11.9
SSW	.2	.8	2.5	5.3	1.8	.6	.1					11.2	13.4
SW	.1	.3	1.1	1.2	.3							3.1	11.0
WSW	.2	.2	1.0	.7	.2	.1						2.2	10.5
W	.1	.4	1.1	1.1	.5	.1						3.3	11.3
WNW	.2	.3	.7	1.2	.9	.3						3.6	13.4
NW	.1	.3	.6	1.2	.5							2.7	12.1
NNW	.3	.6	1.5	2.5	.9	.6	.1	.1				6.6	13.1
VARBL													
CALM												3.0	
	4.5	11.3	31.9	35.4	11.2	2.3	.3	.1				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/BURT BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.7	2.8	2.9	.8	.3						9.2	10.7
NNE	.5	1.6	3.1	2.2	.5	.1						8.0	9.7
NE	.7	1.8	2.7	.8	.1							6.2	7.6
ENE	.7	1.7	1.8	.2								4.4	6.3
E	1.0	1.6	1.4	.1	.1							4.1	6.2
ESE	.5	1.0	.4	.1								2.0	5.1
SE	.6	1.9	2.4	.8	.1							5.7	7.5
SSE	1.4	3.6	5.2	2.7	.3	.2						13.4	8.3
S	1.5	3.3	7.1	5.8	.8	.2						18.6	9.7
SSW	.5	1.0	2.3	2.0	.6							6.5	10.0
SW	.2	.4	.4	.2	.1							1.2	8.0
WSW	.1	.3	.6	.1								1.1	7.1
W	.2	.2	.7	.3	.1							1.6	9.0
WNW	.2	.5	.9	.4	.2							2.2	9.5
NW	.2	.5	.7	.7	.2	.1						2.4	10.2
NNW	.5	.5	1.8	1.4	.5	.2	.2					5.0	11.1
VARBL													
CALM	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	8.4	
	9.2	21.6	34.3	20.7	4.4	1.1	.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1765

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.3	3.3	2.5	.8	.3						9.9	9.8
NNE	.7	1.8	2.4	1.3	.8							7.1	9.1
NE	1.8	1.9	2.7	.4	.1							6.8	6.3
ENE	.7	1.1	.9	.3								3.0	5.9
E	.8	1.1	.8	.2	.1							2.9	6.1
ESE	.2	.8	.7	.1								1.8	6.2
SE	.7	1.4	1.8	.2								4.0	6.7
SSE	.9	2.8	4.1	3.7	.7	.1	.1					12.4	9.5
S	2.7	3.1	7.2	6.7	1.4	.3						21.5	9.8
SSW	.6	1.0	1.9	1.8	.6	.1						5.9	10.3
SW	.1	.3	.5	.3	.1			.1				1.4	10.3
WSW	.1	.2	.2	.1								.5	7.2
W	.2	.6	.7	.3								1.8	7.8
WNW	.1	.2	.3	.3	.1	.1						1.1	10.8
NW	.2	.3	1.0	.5	.1	.1						2.2	9.2
NNW	.1	.7	1.1	.6	.5	.2	.1					3.3	11.6
VARBL													
CALM												14.3	
	10.6	19.5	29.5	19.4	5.2	1.2	.2	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1767

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45, 49-64 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-0200
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.4	2.0	1.2	.3	.1	.2					5.8	9.6
NNE	.6	1.5	1.8	.9	.4	.1						5.3	8.5
NE	.7	1.3	2.5	.9	.2							5.6	8.4
ENE	.2	.5	.8	.2								1.6	7.7
E	.7	.6	.8	.2								2.3	5.7
ESE	.5	.9	.6	.4	.1							2.4	6.9
SE	.2	.6	1.4	.6								2.8	8.2
SSE	1.1	2.5	5.8	3.9	.5	.1						14.0	9.3
S	1.5	4.2	8.3	8.5	1.5	.2						24.1	10.1
SSW	.7	1.7	4.2	3.2	.3	.1						10.1	9.4
SW	.4	.9	.8	.3								2.4	6.8
WSW	.2	.4	.2	.2								1.0	6.6
W	.2	.5	.6	.1								1.3	6.2
WNW		.5	.4	.3		.1						1.3	8.5
NW	.1	.6	.9	.2	.1							1.9	8.8
NNW	.3	1.0	.6	.3	.4	.2	.1					2.8	10.1
VARBL													
CALM												15.3	
	8.0	19.1	31.7	21.3	3.7	.7	.3					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/BORG BUSINESS SYSTEMS

156524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

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

CONDITION

ALLIED/FERN BUSINESS SYSTEMS

150024

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.0	1.9	1.2	.6	.2						6.6	9.2
NNE	.5	1.4	1.5	.9	.5	.1						5.0	9.0
NE	.8	1.2	2.2	.9	.2							5.3	8.0
ENE	.4	.9	.9	.5	.1							2.8	7.5
E	.4	.6	.5	.1								1.5	6.3
ESE	.4	.6	.4	.5								1.8	7.3
SE	.8	1.5	1.5	.5	.1							4.3	7.2
SSE	.6	3.7	5.0	2.3	.2							11.9	8.2
S	2.1	4.5	8.3	6.4	.5							21.8	8.8
SSW	.6	2.5	3.9	1.8	.4							9.1	8.5
SW	.3	.9	1.2	.4	.1							2.9	7.2
WSW	.2	.5	.5	.1								1.3	6.2
W	.4	.6	.2									1.2	5.2
WNW	.2	.9	.6	.3	.1							2.1	7.6
NW	.1	.6	1.3	.4	.1	.1						2.6	8.8
NNW	.7	.9	.9	.8	.5	.4						4.2	10.2
VARBL													
CALM												15.7	
	9.1	23.5	30.7	17.1	3.2	.8						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

0600-0800
COURSE (LST)

CONDITION

ALLIED/BERRY BUSINESS SYSTEMS

150224

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	3.2	1.6	.5	.1						6.9	9.5
NNE	.5	1.1	1.5	1.6	.3	.1						5.1	9.6
NE	.5	1.3	2.1	1.6	.5	.1						6.1	9.6
ENE	.2	.7	.9	.5								2.3	7.8
E	.4	.6	1.5	.3								2.8	7.5
ESE	.3	.8	.9	.2								2.2	6.9
SE	.6	1.5	1.3	.6								4.0	6.9
SSE	1.2	3.6	6.0	2.9	.2							13.9	8.2
S	1.6	3.3	8.7	5.7	.2							19.5	9.0
SSW	.8	1.7	3.9	3.4	.2							10.0	9.4
SW	.2	.5	1.2	.8	.1							2.9	9.0
WSW	.4	.4	.5	.1								1.4	6.3
W	.2	.7	.6	.1	.1							1.8	6.9
WNW	.3	.9	.6	.4								2.2	6.8
NW	.5	.9	1.5	.2								3.1	6.8
NNW	.2	.5	1.1	1.4	.9	.3						4.4	12.6
VARBL												11.3	
CALM													
	8.5	19.7	35.5	21.4	3.0	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

1709

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

0900-1100
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

ALLIANCE/FORT BUSINESS SYSTEMS

130004

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR.													
N	.1	.6	1.5	2.1	1.2	.4	.1					6.0	13.0
NNE	.2	.5	2.4	2.7	1.5	.2						7.4	12.3
NE	.1	.9	1.6	1.8	.9							5.4	11.1
ENE	.1	.7	1.4	.8	.1							3.2	9.3
E	.3	.6	1.6	.5								3.0	7.7
ESE	.1	.9	1.8	.8	.1							3.6	8.5
SE	.2	1.2	2.3	.9	.1							4.6	8.3
SSE	.2	1.5	4.1	4.4	.4							10.6	10.3
S	.7	1.7	7.9	8.9	2.9	.3						22.4	11.7
SSW	.2	1.2	3.7	5.4	2.8	.2						13.4	12.5
SW	.2	.3	2.0	1.9	.4	.1						4.9	11.0
WSW	.1	.5	.6	.5								1.8	8.7
W	.2	.4	.6	.6	.4							2.2	10.1
WNW	.1	.3	.7	.8	.3	.1						2.3	11.6
NW	.2	.4	.4	.8	.2							2.0	10.2
NNW	.2	.5	.9	1.6	1.0	.2						4.6	12.4
VARBL													
CALM												2.7	
	3.3	12.2	33.6	34.7	12.1	1.4	.1					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.7	1.6	2.7	1.0	.3	.1					6.8	12.1
NNE	.2	.4	1.7	2.5	1.6	.3						6.6	13.3
NE	.2	.7	1.3	1.8	.9	.1						4.9	11.8
ENE	.2	.5	1.9	.5		.1						3.1	8.6
E	.2	.8	1.6	.4	.1	.1						3.1	8.6
ESE	.1	.6	1.2	.5								2.5	8.0
SE	.4	1.2	2.0	.9	.1							4.7	8.4
SSE	.4	1.3	4.6	4.8	.8							11.9	10.6
S	.3	1.4	6.8	10.5	3.5	.5						22.9	12.6
SSW	.1	.9	3.0	6.4	3.1	.2						13.6	13.3
SW	.2	.6	.8	2.1	.5							4.2	11.5
WSW	.1	.2	.4	.8								1.5	10.4
W	.2	.1	.7	.7	.4	.1						2.2	12.1
WNW	.2	.3	.7	.8	.6							2.6	11.5
NW	.4	.3	1.1	1.1	.2	.1						3.0	10.3
NNW	.1	.3	1.2	1.8	.8	.1	.1					4.3	13.1
VARBL													
CALM												2.1	
	3.5	10.4	30.5	38.1	13.6	1.6	.2					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

1710

ALLIED/EGW BUSINESS SYSTEMS

15002A

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

ALLIED/BRY BUSINESS SYSTEMS

150024

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	of %	MEAN WIND SPEED
N	.2	.7	2.0	3.3	.9	.2						7.3	11.9
NNE	.2	.6	1.5	3.0	.9	.4						6.7	12.5
NE	.1	.8	2.6	2.8	.3							6.5	13.8
ENE	.2	.5	1.4	.6	.1							2.9	9.2
E	.5	.4	1.5	.4		.1						2.9	7.8
ESE	.1	.2	1.5	.5	.2							2.5	9.4
SE	.4	1.0	2.5	1.3	.2	.1						5.4	9.3
SSE	.2	1.5	6.5	7.1	.8	.1						16.1	11.1
S	.5	1.6	6.4	10.9	3.0	.3						22.7	12.3
SSW	.1	.7	2.6	4.4	2.0							9.9	12.7
SW	.2	.2	.8	.9	.3							2.4	10.9
WSW	.1	.1	.6	.5	.1							1.4	10.6
W	.2	.2	.9	.3	.2							1.7	9.5
WNW		.2	.6	.8	.4							1.9	12.6
NW	.2	.2	.8	.6	.2							2.0	10.7
NNW	.2	.4	.8	2.2	.6	.2						4.5	12.7
VARBL													
CALA1												3.2	
	3.3	9.4	32.9	39.7	10.2	1.2						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45,49-64 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER 1800-2000
CLASS HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.9	2.2	2.0	.5							7.2	8.8
NNE	.5	1.1	2.6	1.6	.5	.1						6.5	10.0
NE	.8	1.1	2.3	1.1	.3							5.6	8.3
ENE	.8	.9	1.4	.5	.3							3.9	7.8
E	.4	1.3	1.7	.2	.1							3.7	7.0
ESE	.2	1.1	1.1	.7	.2							3.2	8.9
SE	.4	1.9	2.7	1.1	.1							6.1	8.0
SSE	1.1	3.6	8.8	7.4	.8							21.6	9.6
S	.8	3.6	7.0	7.0	1.3	.2						19.9	10.3
SSW	.2	1.6	1.4	1.9	.4							5.5	9.5
SW	.1	.6	.9	.1								1.8	7.0
WSW	.1	.3	.3									.7	5.9
W	.1	.2	.5	.1	.1	.1						1.1	10.5
WNW	.2	.2	.2	.2		.1						.9	8.6
NW	.2	.5	.4	.4	.1							1.6	8.5
NNW	.3	.9	1.1	.9	.3							3.5	8.9
VARBL													
CALM												7.4	
	6.7	20.9	34.5	25.1	5.0	.4						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/FORT BUSINESS SYSTEMS

15002A

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

YEARS

APR
MONTH

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

ALL WEATHER
CLASS

CONDITION

ALLIED/BRY BUSINESS SYSTEMS

150504

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.6	2.2	.9	.5	.2	.1					7.3	8.5
NNE	.7	1.5	1.9	1.1	.6							5.7	8.9
NE	.6	1.3	2.2	1.1	.2							5.4	8.1
ENE	.5	.6	1.0	.5	.1							2.7	7.4
E	.9	.6	.9	.1	.1							2.7	6.0
ESE	.4	.9	1.1	.2								2.5	6.7
SE	.8	1.1	2.2	.8	.2							5.1	7.8
SSE	.8	3.5	7.2	5.9	1.0	.1						18.5	9.8
S	.8	3.2	8.4	7.2	2.2	.1						21.8	10.5
SSW	.5	1.6	2.4	1.6	.5	.1						6.7	9.2
SW	.2	.2	.4	.1	.1							.9	7.3
WSW	.1	.4	.4	.1								1.0	6.9
W		.5	.2	.1	.1	.1						.8	8.7
WNW	.1	.4	.2	.2								.9	6.9
NW	.2	.9	.5	.1	.1		.1					1.8	7.3
NNW	.1	.9	.9	.5	.2	.1	.1					2.7	9.3
VARBL													
CALM												13.5	
	7.5	20.2	32.0	20.5	5.5	.6	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

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

CONDITION

ALLIED/FORT BUSINESS SYSTEMS

150624

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR													
N	.5	1.4	.9	.6	.3							3.7	7.9
NNE	.3	1.3	.8	.7	.2							3.3	8.6
NE	.6	1.3	1.3	.4	.1							3.6	7.1
ENE	.1	.8	.6	.3								1.8	7.2
E	.3	.9	.3	.1								1.5	5.4
ESE	.4	.9	.5	.1								1.9	5.5
SE	1.0	1.9	2.4	.8		.1						6.3	7.1
SSE	1.3	4.1	6.1	3.2	.1							14.9	8.1
S	2.1	4.3	11.9	9.0	1.3	.1						28.7	9.6
SSW	.5	2.3	4.0	1.9	.4	.1						9.2	9.1
SW	.2	1.0	.7	.3		.1						2.2	8.0
WSW	.3	.2	.2	.1								.7	5.3
W	.2	.4	.3	.1								.9	6.1
WNW	.3	.6	.6		.1							1.5	6.1
NW	.3	.4	.7	.1	.1							1.5	7.0
NNW	.7	.4	.6	.2	.2							2.0	7.2
VARBL													
CALM												16.1	
	9.1	22.2	31.7	18.0	2.6	.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1817

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.3	.5	.7	.1							3.5	6.7
NNE	.6	1.2	.9	.8	.1	.1						3.6	8.1
NE	.8	.8	1.7	.3	.1							3.6	7.2
ENE	.6	.9	.8	.1		.1						2.4	6.4
E	.7	.5	.3	.1		.1						1.7	5.7
ESE	.5	.4	.6	.1								1.5	5.4
SE	.9	2.1	2.4	.5	.1							6.1	6.9
SSE	1.4	4.7	5.0	1.9	.1							13.0	7.3
S	2.4	5.6	10.9	5.8	.3							25.1	8.4
SSW	.6	1.8	5.1	2.4	.3							10.2	9.1
SW	.1	.8	.7	.2								1.8	7.1
WSW	.2	.5	.1		.1							.8	5.5
W	.1	.7	.3	.1								1.2	6.2
WNW	.3	.5	1.2	.2	.1							2.2	7.5
NW	.6	.4	.8	.2								2.0	6.5
NNW	.5	.9	.4	.3	.3							2.4	7.8
VARBL													
CALM												18.9	
	11.2	22.8	31.7	13.8	1.5	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1818

ALLIED/EGIT BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

ALLIED/FORG BUSINESS SYSTEMS

150524

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	.9	.5	.3	.1						3.3	8.3
NNE	.8	1.2	2.1	.7	.2							5.0	7.9
NE	.2	.8	1.5	.6	.2							3.2	8.9
ENE	.5	.6	1.0	.2								2.3	6.8
E	.8	.8	.7	.1								2.4	5.2
ESE	.7	.9	.6									2.1	5.0
SE	.8	2.0	3.0	.8	.1	.1						6.8	7.5
SSE	1.4	3.0	5.3	3.2		.1						12.9	8.2
S	1.5	4.3	11.0	6.0	.3							23.1	9.0
SSW	.4	2.0	4.7	4.9	.9	.1						12.9	11.5
SW	.4	.7	1.1	.6	.1							2.9	8.0
WSW	.1	.9	.5	.2								1.7	7.3
W	.2	.4	.4	.2								1.3	6.7
WNW	.1	.6	.9	.3								1.8	7.7
NW	.7	.3	.9	.3	.1	.1						2.3	7.6
NNW	.4	.6	1.2	1.0	.1							3.4	8.9
VARBL													
CALM												12.5	
	9.6	20.0	35.8	19.5	2.3	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

1817

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	.9	1.4	.2							3.4	10.3
NNE	.4	.8	1.7	.7	.2	.2						4.0	9.3
NE	.2	.9	2.1	.9	.1							4.3	8.9
ENE	.6	.7	1.1	.5	.1	.1						3.1	8.6
E	.4	.6	.7	.1								1.7	6.5
ESE	.4	.6	1.2	.2								2.5	6.9
SE	.4	1.4	1.3	.7	.2							4.1	7.9
SSE	.6	1.6	6.8	4.2	.2							13.4	9.7
S	.5	2.6	8.9	11.9	2.7	.2						26.7	11.5
SSW	.4	1.4	4.8	7.4	2.8	.2						17.1	12.1
SW	.1	.8	2.2	1.4	.3	.1						4.9	10.5
WSW	.4	.3	.6	.4		.1						1.8	8.0
W	.3	.4	.7	.1								1.5	6.4
WNW	.1	.3	.9	.5	.1	.1						1.9	9.6
NW	.1	.3	.3	.5	.3							1.5	10.6
NNW	.2	.3	.9	1.3	.2							2.9	10.4
VARBL													
CALM												5.4	
	5.6	13.5	35.1	32.3	7.2	.9						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1818

ALLIED/EGY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

QUALITY/ERRY BUSINESS SYSTEMS

150524

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.8	1.4	1.2	.1							4.0	8.6
NNE	.3	.8	1.5	.9	.4	.1						4.0	10.0
NE	.4	.6	1.9	.8	.1	.1						3.8	9.1
ENE	.4	.7	2.0	.6	.2							3.9	8.5
E	.4	.9	.8	.4	.1							2.6	7.4
ESE	.2	.5	.7	.1	.1							1.6	7.2
SE	.2	1.3	1.4	.7	.2	.1						3.9	8.4
SSE	.4	1.8	6.2	6.7	.8							15.8	10.7
S	.5	1.8	8.5	13.2	4.3	.1						28.4	12.1
SSW	.2	1.0	4.6	6.2	2.7	.4						15.1	12.6
SW	.2	1.0	1.3	.9	.4	.1						3.9	10.0
WSW	.1	.4	.8	.3								1.6	8.2
W	.4	.1	.6	.1								1.2	5.9
WNW		.2	.2	.4	.2							1.0	12.4
NW	.2	.4	.4	.9								1.9	9.6
NNW	.2	.7	1.3	1.2	.3							3.7	10.4
VARBL												3.6	
CALM													
	4.7	13.0	33.5	34.5	10.0	.8						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 1821

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.7	1.5	.9	.4							4.0	9.8
NNE	.1	.8	1.7	1.2	.2	.2						4.2	10.5
NE	.3	.8	2.1	.5	.2							3.9	8.4
ENE	.3	1.3	2.0	.6	.1							4.3	8.1
E	.6	1.2	1.4	.3	.2							3.6	7.3
ESE	.4	1.0	.7	.3	.1							2.6	7.1
SE	.2	1.8	2.5	2.7	.3							7.5	9.7
SSE	.5	2.3	7.9	9.4	1.1							21.2	10.9
S	.7	1.8	7.3	13.3	3.2	.1	.1					26.4	12.1
SSW	.3	.6	2.6	4.0	1.5	.1	.1					9.3	12.2
SW	.1	.8	.6	.8	.3							2.5	9.9
WSW	.3	.2	.4	.1								.9	6.4
W	.1	.2	.4									.7	6.7
WNW	.1	.4	.5	.2	.1							1.3	8.5
NW		.3	.7	.2	.1							1.3	9.2
NNW	.1	.1	1.2	1.4	.4	.1						3.2	11.9
VARBL													
CALM												3.1	
	4.4	14.2	33.6	35.9	8.2	.4	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

1821

ALLIED/EGRY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WAGO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	1.4	.8	.1	.1						3.8	8.6
NNE	.5	1.2	1.5	.9	.2	.1						4.4	8.6
NE	.4	.8	1.8	.3	.1	.1						3.5	8.0
ENE	.8	1.3	1.4	.4	.3	.1						4.2	7.4
E	1.0	1.5	1.2	.2	.1							4.0	6.0
ESE	.8	2.0	.8	.3	.1							4.0	6.1
SE	1.0	3.6	4.0	2.0	.3							10.9	7.9
SSE	1.8	4.4	11.0	6.4	1.0	.1						24.8	9.2
S	1.1	3.6	9.3	7.5	.8	.1						22.3	9.6
SSW	.2	.8	1.7	2.0	.3	.1						5.0	10.4
SW	.1	.2	.2	.1								.5	6.8
WSW	.1	.1	.2	.1								.4	7.6
W	.2	.4	.2									.8	4.6
WNW	.1	.2	.3	.1								.6	6.5
NW	.2	.3	.3	.1	.1							.9	7.9
NNW	.1	.7	.7	.3	.3							2.1	9.1
VARBL													
CALM												7.9	
	9.0	21.7	36.1	21.4	3.5	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

1821

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,49-64 MAY
STATION STATION NAME YEARS

ALL WEATHER 2100-2300
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.3	1.4	.8	.2							4.5	7.6
NNE	.5	.9	.7	.7	.1	.1						3.0	8.1
NE	.7	.9	1.0	.8	.2	.1						3.7	8.3
ENE	.5	1.0	1.0	.2	.1							2.7	6.2
E	.8	.6	.4	.4	.1							2.2	6.3
ESE	1.0	1.8	.8	.3								4.0	5.4
SE	1.9	3.4	3.0	1.1	.1							9.5	6.5
SSE	1.2	5.2	9.0	4.9	.4							20.6	8.7
S	1.6	3.4	9.7	7.7	1.2	.1						23.7	9.9
SSW		1.1	2.5	1.6	.9							6.0	11.6
SW	.1	.3	.2	.1								.7	7.2
WSW		.1	.3	.1								.4	8.4
W	.2	.2	.2	.1								.6	5.3
WNW	.1	.3	.3	.1								.8	7.4
NW	.1	.5	.1	.2	.1							.9	7.5
NNW	.3	.3	.4	.4	.2							1.6	9.0
VARBL													
CALM												15.2	
	9.8	21.1	30.9	19.5	3.4	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1620

ALLIED/EGRY BUSINESS SYSTEMS
 150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	.4	.1								1.9	5.6
NNE	.8	.7	.7	.1								2.3	5.6
NE	.7	.3	.7	.2								1.9	6.3
ENE	.3	.6	.3	.1								1.3	5.5
E	.9	.7	.7	.2								2.4	5.4
ESE	.6	.9	.3	.1								1.8	5.1
SE	2.1	2.3	1.6	.6								6.6	5.8
SSE	2.1	4.6	5.6	1.9	.1							14.3	7.1
S	2.8	6.8	16.2	8.6	1.4	.1						35.9	9.1
SSW	.9	1.7	5.2	3.4	.3	.1						11.7	9.5
SW	.1	.9	.7	.4								2.2	7.4
WSW	.1	.1	.2	.1		.1						.4	9.6
W	.2	.3	.1									.6	4.7
WNW	.1	.2	.1									.4	5.4
NW	.2	.2	.2		.2							.8	7.6
NNW	.4	.2	.2	.1								.9	4.9
VARBL													
CALM												14.6	
	12.7	21.5	33.2	15.9	1.9	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

1799

ALLIED/EGRT BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST)

CONDITION

ALLIED/BRY BUSINESS SYSTEMS

150024

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.8	.2		.1						2.7	6.7
NNE	.7	.9	.9	.1								2.6	5.5
NE	.8	.5	.5	.1	.1	.1						2.1	6.7
ENE	.3	.4	.4	.1		.1						1.3	7.5
E	.3	.6	.3	.1	.1							1.3	5.9
ESE	.6	.8	.2									1.6	4.6
SE	2.0	1.7	1.3	.1	.1							5.2	5.1
SSE	1.9	4.3	3.7	1.1								10.9	6.4
S	4.2	9.5	13.3	5.6	.3							32.9	7.6
SSW	.7	3.3	5.7	3.1	.1							12.8	8.4
SW	.1	1.1	1.1	.4	.1							2.8	7.8
WSW	.1	.3	.1	.1								.4	6.6
W	.2	.2	.3		.1							.7	6.8
WNW	.2	.2	.1									.6	4.7
NW	.3	.4	.3									1.1	5.2
NNW	.7	.6	.3	.1	.1	.1						1.7	5.7
VARBL												19.2	
CALM													
	13.6	25.9	29.2	11.0	.7	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0900
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.8	1.0	.3	.1							2.9	6.7
NNE	.4	.6	1.2	.6		.1						2.8	7.8
NE	.8	.9	1.2	.2								3.1	5.9
ENE	.2	.5	.7	.1			.1					1.6	7.3
E	.8	1.1	.5	.2	.1		.1					2.7	6.3
ESE	.3	.8	.3	.2	.1							1.6	6.2
SE	.9	1.8	1.3	.4								4.4	6.2
SSE	1.2	4.2	4.2	1.0	.1							10.7	7.0
S	2.9	7.1	12.5	6.8	.9		.1					30.3	8.5
SSW	.8	2.2	7.1	5.8	.5	.2						16.6	10.0
SW	.2	1.3	2.5	1.1	.3							5.4	8.9
WSW		.3	.6	.2								1.1	7.4
W	.4	.5	.3	.1								1.3	5.1
WNW	.2	.3	.1	.1	.1							.7	6.4
NW	.2	.4	.3									.9	5.5
NNW	.1	.8	.2	.2								1.3	6.3
VARBL													
CALM												12.5	
	10.2	23.7	34.0	17.2	1.9	.2	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

ALLEN/FOR BUSINESS SYSTEMS

150024

SPEED (KNTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	>56	%	MEAN WIND SPEED
DIR													
N	.6	.5	1.6	.8	.1							3.6	8.3
NNE	.3	.6	.6	.6		.1						2.1	8.6
NE	.7	.8	1.3	.4	.1	.1						3.3	7.2
ENE	.1	.6	.7	.4								1.8	7.9
E	.9	1.0	.7		.1							2.6	5.2
ESE	.4	.3	.6									1.3	5.6
SE	.7	1.2	1.4	.4								3.7	6.8
SSE	.9	2.1	4.6	2.3	.2							10.0	8.4
S	1.3	3.2	10.0	10.5	2.2							27.2	10.7
SSW	.3	1.9	7.2	12.3	2.7	.3						24.7	12.1
SW	.8	1.2	3.4	2.5	.5							8.4	9.6
WSW	.2	.5	.6	.4	.1							1.8	8.2
W	.4	.7	.4									1.5	5.2
WNW	.2	.3	.1		.1							.6	6.0
NW	.4	.3	.5	.1								1.3	6.0
NNW	.2	.3	.3	.3	.1							1.3	8.3
VARBL													
CALM												4.7	
	8.2	15.6	34.1	31.1	5.9	.4						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1799

00

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.9	.9	.7								2.7	8.2
NNE	.3	.9	.9	.4	.2							2.8	8.6
NE	.3	.8	1.7	.7	.2							3.6	8.5
ENE	.3	.7	1.3	.4		.1						2.8	8.1
E	.7	.9	1.2	.3								3.1	6.6
ESE	.2	.6	.8	.2								1.8	7.4
SE	.6	2.0	2.5	1.2	.1							6.3	7.8
SSE	.5	2.2	6.7	4.5	.5							14.5	9.7
S	1.4	3.2	11.4	13.6	3.0	.1	.1					32.7	11.2
SSW	.4	1.4	5.7	8.1	2.5	.1						18.3	11.9
SW	.4	.7	1.3	1.1	.4	.1						4.0	10.2
WSW	.1	.1	.1	.2								.4	9.9
W	.1	.2	.5									.8	6.7
WNW	.1	.2	.2	.1								.5	6.6
NW	.2	.6	.2	.3								1.2	6.5
NNW		.4	.4	.5	.1							1.3	10.5
VARBL													
CALM												3.2	
	5.6	15.7	35.8	32.2	6.9	.4	.1					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

1799

ALLIED/BERRY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KMTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.7	1.3	.5	.1	.1						2.9	9.1
NNE	.4	.3	.9	.7	.1	.1						2.5	9.1
NE	.2	.9	1.7	.4								3.3	7.7
ENE	.1	.9	1.3	.5	.3							3.1	9.3
E	.7	1.6	2.1	.6	.1							5.1	7.3
ESF	.6	1.0	.8	.4								2.7	6.8
SE	.3	2.1	4.1	2.3	.2		.1					9.0	9.3
SSE	.7	1.6	10.2	9.4	.9							23.0	10.5
S	.5	2.8	10.7	15.0	2.9	.2						32.1	11.6
SSW	.1	.4	3.4	4.4	1.2	.2						9.8	12.2
SW	.2	.4	.7	.3	.1							1.7	7.9
WSW	.1	.2	.2	.1								.4	7.0
W	.1	.1	.2	.2								.6	8.6
WNW	.1	.1	.2	.1								.4	8.1
NW	.1	.3	.1									.4	6.7
NNW	.1	.4	.2	.6	.1							1.3	9.5
VARBL													
CALM												1.7	
	4.4	13.7	38.1	35.5	5.9	.6	.1					100.0	13.1

TOTAL NUMBER OF OBSERVATIONS

1799

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	.4	.5	.2		.1					1.8	9.8
NNE	.3	.4	.7	.2	.1	.1						1.8	8.3
NE	.6	.7	1.4	.1	.2							3.0	7.3
ENE	.6	.6	1.3	.1	.2	.1						2.7	7.0
E	.6	1.7	2.5	.2	.1							5.1	7.0
ESE	.8	1.6	1.8	.4	.1	.1						4.6	7.0
SE	2.3	3.6	6.4	1.9	.3							14.5	7.5
SSE	1.2	5.2	15.9	6.9	.4							29.6	9.0
S	.6	4.1	11.2	9.1	1.5							26.4	10.1
SSW	.2	1.0	2.3	1.3	.1							4.8	8.9
SW	.1	.1	.2	.1	.1							.5	9.9
WSW		.2	.1	.1								.3	7.4
W	.1	.1	.2									.3	7.0
WNW	.1	.2		.1								.3	6.7
NW	.2	.3	.1									.6	4.3
NNW	.1	.1	.2	.2								.7	8.2
VARBL													
CALM												2.9	
	7.9	20.1	44.7	21.2	2.9	.2	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

1798

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 45-49-64 JUN
STATION STATION NAME YEARS MONTH
 ALL WEATHER 2100-2300
CLASS HOURS (LST)

CONDITION

SPEED (KNTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.8	.5	.3								1.8	7.0
NNE	.6	.5	.3	.3								1.7	6.7
NE	.8	.8	.7	.1	.1							2.4	5.5
ENE	.5	.6	.6	.1	.1							1.8	6.3
E	1.2	1.4	1.5	.1		.1						4.3	5.9
ESE	1.6	2.2	1.4	.1								5.3	5.2
SE	2.5	4.6	3.9	1.1								12.1	6.2
SSE	1.9	6.2	10.5	4.3	.4							23.4	8.3
S	2.1	5.8	11.3	8.0	1.1	.1						28.2	9.2
SSW	.4	1.6	1.8	1.2	.1							5.1	6.5
SW	.1	.4	.2	.1								.8	7.1
WSW		.2	.1									.3	5.6
W			.2	.1								.2	10.8
WNW	.1		.1	.1	.1							.3	10.6
NW	.2	.1	.1									.4	4.6
NNW	.2	.3	.1	.1	.1							.8	6.9
VARBL													
CA'M												11.1	
	12.2	25.5	33.2	16.0	1.8	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1797

ALLIANT/BOY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACD TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

ALLIED/BOW BUSINESS SYSTEMS

150524

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.1	.3									.8	4.9
NNE	.5	.5	.3	.2								1.5	5.6
NE	1.1	1.1	1.0	.1								3.2	5.4
ENE	.3	.7	.2	.3								1.5	6.7
E	1.3	1.1	.7	.1								3.2	4.8
ESE	.9	1.1	.5									2.4	4.5
SE	1.2	2.3	1.2	.3								5.1	5.6
SSE	2.9	4.1	3.2	1.6	.1							11.7	6.3
S	4.0	11.1	16.4	7.6	.2							39.4	7.8
SSW	.9	2.7	6.2	3.9	.3							14.0	8.9
WSW	.3	1.2	.6	.3								2.5	6.8
W	.1	.2	.2									.4	5.9
WNW	.1	.1										.2	3.0
NW	.1	.1										.2	3.7
NNW	.1	.2	.1									.4	5.4
VARBL	.2	.3	.1									.6	5.0
CALM												13.1	
	14.4	26.6	31.1	14.3	.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 HACO TEXAS/JAMES CONNALLY AFB 42-45,49-64 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.4	.5									1.5	4.9
NNE	.7	.6	.3	.1								1.7	4.8
NE	.8	.9	.7	.1								2.5	5.5
ENE	.2	.4	.6	.2								1.5	7.4
E	.6	.3	.3									1.2	4.5
ESE	.7	.5	.2									1.4	4.1
SE	1.5	1.8	.8	.3								4.3	5.3
SSE	1.9	3.1	2.3	.1								7.4	5.3
S	7.7	12.0	14.8	2.8								37.5	6.3
SSW	1.2	2.2	8.0	1.7	.1							16.2	7.5
SW	.7	1.5	1.4	.1								3.6	6.1
WSW		.3	.1									.4	6.3
W	.2	.3	.3									.8	4.9
WNW	.2	.1	.1									.3	4.7
NW	.2	.4	.1									.6	4.8
NNW	.5	.2	.3	.1								1.1	5.5
VARBL													
CALM												18.1	
	17.8	27.8	30.8	5.4	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/EGRY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.4	.5	.3								1.4	7.2
NNE	.5	.5	.6	.3								1.9	6.5
NE	.4	.9	.9	.2	.1							2.4	6.5
ENE	.4	.7	.9	.3		.1						2.3	7.3
E	.6	.7	.5	.1								1.8	5.2
ESE	.3	.4	.6	.1								1.4	6.8
SE	1.6	1.3	.5	.2								3.5	4.8
SSE	1.4	3.3	2.3	.7	.1							7.7	6.2
S	4.6	11.1	13.5	3.5	.1							32.7	6.9
SSW	1.0	5.2	8.5	5.3	.8							20.8	8.9
SW	.7	1.6	3.7	1.2	.1							7.3	8.0
WSW	.1	.4	.5	.1								1.1	7.4
W	.4	.9	.3	.1								1.6	5.1
WNW	.2	.1	.1									.4	4.5
NW	.1	.3	.2	.1								.7	6.0
NNW	.1	.5	.2	.2	.1							1.0	7.6
VARBL													
CALM												11.9	
	12.5	26.2	33.8	12.5	1.0	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

1860

ALLIED/FARY BUSINESS SYSTEMS

160524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

1392R STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45,49-64 YEARS JUL MONTH 0900-1100 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.6	.6	.2	.1							2.0	6.6
NNE	.3	.2	.9	.2		.1	.1					1.8	8.9
NE	.1	.9	1.9	.3	.1							3.2	8.0
ENE	.3	.4	1.2	.6	.2							2.7	7.9
E	.3	.5	.5	.2								1.5	6.8
ESE	.1	.3	.7	.2								1.3	8.0
SE	.5	.7	1.2	.1								2.5	6.1
SSE	.4	1.6	2.0	1.2	.1							5.3	8.1
S	1.0	4.2	10.5	6.4	.8							23.0	9.3
SSW	.9	4.6	10.6	10.3	1.1	.1						27.5	10.2
SW	.4	2.4	6.6	3.8	.3							13.5	9.3
WSW	.4	1.7	2.8	.6								5.5	7.4
W	1.0	1.7	.9	.1								3.7	5.2
WNW	.3	.7	.4	.1								1.5	5.9
NW	.2	.3	.3			.1						.8	7.3
NNW	.3	.2	.1	.2	.1							.8	7.1
VARBL													
CALM												3.4	
	7.0	21.0	41.5	24.2	2.6	.2	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/EGRY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,49-64 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER 1200-1400
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.6	.4	.4								1.7	7.6
NNE	.2	.6	.8	.5	.3	.1						2.4	9.6
NE	.3	.6	1.1	.9	.1	.1						3.7	9.4
ENE	.2	.6	.8	.9	.1	.1						3.7	9.1
E	.4	1.3	1.1	.4	.1							3.3	7.6
ESE	.2	.6	1.1	.3	.1	.1						2.2	8.3
SE	.4	1.9	2.2	.8	.1							5.4	7.4
SSE	.9	3.0	4.2	2.4	.1							11.3	8.3
S	.6	4.7	14.7	9.0	.8							29.9	9.6
SSW	.3	2.9	7.5	7.7	1.3	.1						19.8	10.6
SW	.4	1.7	3.7	1.3	.4							7.5	9.0
WSW	.2	.8	1.3	.2								2.4	7.1
W	.4	.3	.4	.1								1.2	6.0
WNW	.1	.2	.4	.2								.9	7.6
NW	.4	.5	.1	.2								1.1	5.4
NNW	.3	.2	.2	.2	.1							.9	7.8
VARBL												2.7	
CALM													
	5.4	20.6	42.2	25.4	3.3	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1859

ALTI/FCM BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

ALL WEATHER
CLASS

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

CONDITION

ALLIED/ECRY BUSINESS SYSTEMS

15002A

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.6	.3	.6	.1							1.7	8.6
NNE	.1	.3	.8	.1	.1		.1					1.4	8.8
NE	.3	.9	2.2	1.1	.2							4.7	9.1
ENE	.3	.5	1.3	1.5	.3							3.9	10.2
E	.6	.6	2.3	.9	.2	.1						4.6	8.6
ESE	.3	.8	2.0	.8	.1	.1						4.0	9.0
SE	.8	2.2	3.3	1.7	.2	.1						8.1	8.2
SSE	.5	3.3	7.4	5.9	.6							17.7	9.7
S	.6	4.4	14.6	9.4	1.0	.2						30.2	10.0
SSW	.5	1.8	6.0	5.4	.5	.2						14.5	10.3
SW	.3	.8	1.3	.8	.1							3.2	8.8
WSW	.2	.2	.5	.1								.9	7.1
W	.2	.4	.2			.1						.8	6.3
WNW	.1	.2	.2	.1								.5	6.6
NW		.3	.1	.2	.1							.6	8.5
NNW	.3	.2	.4	.1	.1							1.0	7.8
VARBL													
CALM												2.2	
	5.2	17.4	42.7	28.4	3.4	.6	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.5	.3	.2		.1						1.5	7.0
NNE	.3	.5	.3	.2	.1							1.4	7.4
NE	.2	.9	1.7	.5								3.3	8.2
ENE	.3	.7	1.7	1.0	.1							3.8	9.1
E	.6	1.4	3.3	.9	.1	.1						6.3	8.1
ESE	.6	1.3	2.5	.5	.2							5.2	7.4
SE	1.0	3.4	4.7	1.6	.2							10.9	7.7
SSE	1.7	7.2	10.7	5.4	.4							25.3	8.3
S	.9	5.1	14.3	8.1	.5							28.9	9.3
SSW	.1	1.1	3.6	1.9	.4	.1						7.1	9.9
SW		.2	1.0	.2	.1							1.4	8.5
WSW	.1	.2	.3									.6	6.3
W	.2	.1	.1									.4	4.6
WNW	.1	.1	.1									.2	5.8
NW	.1	.1	.2									.4	6.1
NNW			.3									.3	8.4
VARBL													
CALM												3.3	
	6.5	22.7	45.1	20.4	1.9	.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH
2100-2300
HOURS (LST)

ALL WEATHER
CLASS

CLASS

CONDITION

ALLIED/GOV BUSINESS SYSTEM

144-25-86-01

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.3	.5		.1							1.1	6.6
NNE	.4	.4	.3	.3	.1							1.4	7.2
NE	.9	1.1	.8	.3				.1				3.2	6.2
ENE	.5	.7	1.0	.3								2.5	6.7
E	1.1	1.4	1.5	.3	.1							4.4	6.2
ESE	1.1	1.1	1.4	.3								4.0	6.0
SE	2.7	3.1	3.1	1.3								10.3	6.2
SSE	3.2	8.2	7.3	3.8	.1							22.4	7.1
S	2.1	8.2	13.2	7.4	.8							31.7	8.5
SSW	.6	1.9	2.9	2.1	.1							7.5	8.5
SW	.2	.2	.2	.1								.8	6.6
WSW	.1	.1	.4									.5	7.2
W	.1	.2	.1									.3	4.8
WNW		.1	.1									.1	5.5
NW	.2		.1	.1								.4	5.3
NNW	.2	.1	.2	.1								.5	6.1
VARBL													
CALM												9.1	
	13.7	26.9	32.9	16.2	1.1			.1				100.0	6.8

TOTAL NUMBER OF OBSERVATION: 1859

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45, 49-64 AUG
STATION MONTH
 ALL WEATHER 0000-0200
CLASS HOURS (L S T)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR.													
N	.7	1.0	.4	.3								2.4	5.8
NNE	.5	.8	.6	.1								1.9	5.6
NE	.8	1.3	.7	.1								2.8	5.2
ENE	.5	.5	.3	.2	.1							1.5	6.0
E	1.0	1.1	.8	.2	.1	.1						3.1	5.9
ESE	.7	.6	.5	.3								2.1	5.8
SE	1.3	2.6	2.6	.2								6.7	5.8
SSE	1.4	3.5	4.0	.5								9.5	6.3
S	3.2	9.6	13.5	5.6	.4							32.3	7.8
SSW	1.0	4.1	6.8	3.4	.2							15.5	8.5
SW	.3	1.1	1.9	.2								3.5	7.1
WSW	.1	.4	.2	.1								.7	5.7
W	.1	.1	.2									.3	5.5
WNW	.1	.2	.1									.3	5.2
NW	.1	.1	.1	.1								.4	6.3
NNW	.3	.3	.3	.1								.9	5.3
VARBL													
CALM												16.2	
	11.9	27.1	33.0	11.1	.7	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/EGW BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45.49-64 YEARS AUG MONTH 0300-0500 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.3	.8	.1	.1							3.1	5.2
NNE	.5	.8	.5	.2								1.9	6.2
NE	.7	.7	.6	.1	.1	.1						2.3	6.6
ENE	.8	.7	.3	.1	.1							1.9	4.9
E	.6	1.5	.4	.1	.1	.1						2.7	5.7
ESE	.5	.3	.2			.1						1.1	5.0
SE	1.1	1.8	1.1	.2								4.2	5.4
SSE	2.3	4.1	1.7	.1								8.2	4.8
S	4.1	11.7	9.9	1.6	.1							27.3	6.3
SSW	2.3	5.0	7.4	3.1								17.8	7.6
SW	.4	1.9	1.2	.2								3.6	6.2
WSW		.5	.3	.1								.9	6.3
W		.4										.4	5.0
WNW	.3	.3	.2									.8	5.1
NW	.4	.2	.2									.9	4.8
NNW	.3	.4	.5									1.1	5.7
VARBL													
CALM												21.7	
	15.3	31.6	25.2	5.7	.3	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1859

ALLIED/BENT BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45, 49-64 YEARS AUG MONTH 0600-0800 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
DIR.													
N	.3	1.1	.5	.1								2.1	5.7
NNE	.4	.6	1.5	.3								2.8	7.6
NE	.6	1.4	1.2	.3	.1							3.5	6.6
ENE	.8	.8	.9	.1	.1							2.6	6.0
E	1.3	.9	.6	.1	.1		.1					3.0	5.5
ESE	.8	.5	.5	.1	.1	.1						1.9	6.0
SE	.9	1.7	1.0		.1							3.7	5.2
SSE	1.5	3.6	2.2									7.2	5.5
S	3.5	10.8	10.9	2.0								27.2	6.6
SSW	1.4	4.6	8.9	3.8	.4	.1						19.1	8.6
SW	.7	1.7	3.7	1.0	.1							7.1	7.8
WSW	.2	.4	1.1	.3								1.9	7.6
W	.3	.3	.4									1.0	5.2
WNW	.1	.2	.1									.4	5.0
NW	.3	.2	.2		.1							.7	5.8
NNW	.3	.4	.6	.3								1.6	6.9
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	14.1	
	13.4	29.2	34.0	8.3	.8	.1	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEAR

AUG
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDIT ON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.6	.6	.4	.1							1.9	8.8
NNE	.5	.9	1.3	.4								3.1	7.4
NE	.4	.9	2.0	.5								3.7	7.9
ENE	.3	1.1	1.2	.2	.1	.1						2.9	7.5
E	.6	1.2	1.4	.2	.1	.1	.1					3.6	7.3
ESE	.3	.6	.8	.2								2.0	7.1
SE	.4	1.6	1.2	.4								3.6	6.5
SSE	.7	2.1	2.1	.1								5.0	6.3
S	1.0	5.2	9.3	4.2	.2	.1						19.9	8.5
SSW	.8	3.2	10.9	7.4	1.0							23.4	10.0
SW	.7	2.7	6.6	2.5	.2							12.7	8.6
WSW	.3	1.9	3.8	.6								6.7	7.8
W	.8	1.1	1.6	.1								3.5	6.2
WNW	.3	.4	.3									1.0	5.4
NW	.3	.2	.6	.1								1.1	6.2
NNW	.3	.4	.9	.2								1.7	7.6
VARBL													
CALM												4.1	
	7.7	24.0	44.7	17.6	1.6	.2	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

1060

ALLIANCE BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB 42-45, 49-64 YEARS AUG MONTH
 1200-1400 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIP.													
N	.5	.8	1.0	.8	.1							3.1	8.0
NNE	.3	.4	1.6	.9	.2							3.2	9.3
NE	.3	1.0	1.8	1.3		.1						4.4	9.0
ENE	.4	.7	2.2	.6	.1							4.0	8.2
E	.7	1.9	2.3	.6	.1							5.7	7.2
ESE	.4	1.2	1.4	.6	.1	.1						3.7	7.9
SE	.4	2.1	2.7	.7		.1						6.0	7.5
SSE	.5	3.6	5.4	1.3	.1							10.9	7.7
S	1.1	4.4	11.6	5.7	.4							23.2	9.0
SSW	.4	2.9	7.1	6.7	.5	.1						17.7	10.0
SW	.2	2.0	3.7	1.2	.1							7.3	8.3
WSW	.3	.9	1.2	.2								2.6	6.9
W	.6	.8	.6	.2								2.2	5.9
WNW	.2	.4	.6	.1								1.2	6.9
NW	.2	.3	.5	.2	.1							1.2	8.0
NNW	.1	.2	.6	.2								1.1	8.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	2.6	
	6.6	23.5	44.2	21.3	1.7	.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1858

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMFS CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.3	.8	.6								2.0	8.5
NNE	.2	.6	1.8	1.0	.2							3.8	9.6
NE	.2	1.3	2.7	.9	.1	.1						5.3	8.5
ENE	.2	.8	2.4	1.0	.2	.1						4.6	9.5
E	.5	2.0	3.2	1.3	.2	.1						7.3	8.2
ESE	.5	1.2	2.6	1.1								5.4	8.0
SE	.4	1.9	4.1	1.7								8.1	8.6
SSE	.6	2.7	9.5	2.6	.1	.1						15.5	8.7
S	.7	3.9	12.3	6.3	1.0	.1						24.2	9.5
SSW	.4	1.7	5.5	4.6	.2							12.3	9.7
SW	.1	1.0	1.9	1.0								4.0	8.8
WSW	.1	.2	.5	.3								1.1	8.8
W	.4	.4	.3	.1								1.2	5.4
WNW	.1	.2	.2	.3								.8	8.4
NW	.2	.2	.3	.2								.8	7.4
NNW	.1	.3	.4	.3	.1							1.1	9.3
VARBL													
CALM												2.5	
	4.9	18.6	48.3	23.3	1.9	.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

AUG
MONTH
1800-2000
HOURS (L & T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.5	.9	.2		.1						1.8	8.1
NNE	.2	.8	1.2	.0	.1	.1						3.0	8.7
NE	.4	1.5	1.8	.5	.1							4.2	7.5
ENE	.5	1.8	1.8	.5	.2							4.9	7.6
E	1.0	3.0	2.8	.3	.3							7.3	6.7
ESE	.9	2.5	3.2	.6								7.2	7.0
SE	1.0	3.8	5.8	1.5	.1	.1						12.0	7.4
SSE	1.6	4.6	9.0	3.1	.3							18.6	8.0
S	1.2	6.6	12.5	5.1	.3							25.6	8.4
SSW	.4	1.8	3.2	1.6	.1							7.0	8.3
SW	.2	.6	1.0	.1								1.9	6.4
WSW		.2	.1									.3	6.6
W	.2	.2										.3	3.5
WNW		.1										.1	4.0
NW	.1	.1	.1		.1							.3	9.2
NNW	.1	.4	.5	.2								1.1	7.7
VARBL													
CALM												4.3	
	7.7	28.3	43.8	14.3	1.4	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WIND

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.8	.3	.3								1.7	6.4
NNE	.9	1.0	.8									2.6	5.0
NE	.8	1.5	1.1	.3								3.6	5.9
ENE	.4	.6	1.1	.2	.2							2.5	7.4
E	1.5	1.8	1.2	.3	.1	.1						5.0	5.9
ESE	1.7	2.5	1.9	.1								6.2	5.5
SE	2.7	5.6	3.6	.6								12.5	5.8
SSE	2.0	5.2	6.8	2.6	.1							16.7	7.4
S	2.6	6.8	12.4	6.0	.9	.1						28.8	8.5
SSW	.3	1.5	3.4	1.6	.2							7.0	9.0
SW	.3	.5	.6									1.4	5.8
WSW		.1		.1								.1	8.0
W	.1	.1	.1									.2	5.3
WNW	.1	.1	.2		.1							.3	9.2
NW	.2	.3	.1									.6	4.7
NNW	.2	.2	.3	.1								.7	6.5
VARBL													
CALM												10.1	
	13.9	28.4	33.9	12.1	1.5	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1857

DATA PROCESSING DIVISION
 ETAG, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.6	1.9	.2								4.7	6.1
NNE	1.1	1.7	1.6	.3	.3	.1						5.1	7.0
NE	.9	2.4	2.4	.6	.1							6.3	6.7
ENE	.9	1.5	1.3	.3	.1	.1						4.2	6.6
E	1.2	2.2	.5	.1								3.9	4.7
ESE	1.1	1.2	.4									2.7	4.8
SE	3.2	2.4	.9	.1								6.6	4.2
SSE	1.8	2.9	3.1	.6								8.4	6.2
S	3.1	8.1	7.9	3.2	.1							22.3	7.0
SSW	.6	1.9	3.0	.7	.1							6.2	7.4
SW	.3	.8	.7	.2								1.9	7.0
WSW		.3	.2	.1								.6	7.3
W	.6	.5	.2									1.3	4.4
WNW	.2	.4	.1									.7	5.1
NW	.5	.6	.3	.1	.1							1.6	6.1
NNW	.4	.5	.3	.3	.1							1.7	7.2
VARBL													
CALM												21.8	
	16.8	29.0	24.9	6.6	.7	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1800

ALLIED/BART BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45,49-64 YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	1.8	.6								4.9	6.5
NNE	.9	1.8	2.6	.8	.3	.1						6.6	7.9
NE	1.3	3.1	2.4	.4	.1							7.3	6.0
ENE	.7	1.7	.8	.3								3.4	6.0
E	1.3	1.9	.4			.2						3.7	5.2
ESE	1.0	1.5	.5	.2								3.2	4.9
SE	1.7	1.4	.6									3.7	4.2
SSE	2.2	2.7	1.6									6.4	4.9
S	4.3	7.2	5.8	2.4	.1							19.8	6.4
SSW	1.1	2.3	2.2	.8								6.4	6.9
SW	.4	.8	.4	.1	.1							1.8	6.1
WSW	.1	.3	.1	.1								.6	6.3
W	.4	.3	.1	.1								.9	4.3
WNW	.5	.3	.2									1.0	4.3
NW	.5	.5	.4	.1	.1							1.6	5.9
NNW	.3	.6	.5	.6	.1							2.0	8.4
VARBL													
CALM												26.6	
	18.1	27.6	20.4	6.4	.6	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.7	2.0	.9		.1						6.0	7.0
NNE	1.0	1.6	2.2	1.1	.2	.1						6.1	8.1
NE	1.8	2.7	3.0	1.2	.2							8.9	7.0
ENE	.9	1.5	1.5	.6								4.6	6.8
E	.9	1.8	.9	.1	.1	.1						3.9	6.0
ESE	.8	1.2	.7	.1								2.8	5.2
SE	1.4	1.4	.9	.3								3.9	5.3
SSE	2.2	4.0	1.9	.3								8.4	5.2
S	2.3	5.9	6.3	1.8	.1							16.4	6.9
SSW	.9	2.6	2.7	1.0	.1	.1						7.4	7.6
SW	.4	.9	.8	.1								2.2	6.0
WSW	.3	.3	.1									.7	4.0
W	.4	.4	.2	.1								1.1	5.0
WNW	.6	.4	.3	.1								1.4	5.0
NW	.7	.8	.3	.2								1.9	5.2
NNW	.3	.9	.9	.3		.1						2.5	7.4
VARBL													
CALM												21.7	
	16.3	28.1	24.8	8.2	.7	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 1799

ALABAMA/FORT BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.1	1.9	1.3	.3	.1						5.3	9.0
NNE	.4	1.5	1.7	1.3	.2		.1					5.2	9.1
NE	.4	1.3	3.5	1.8	.4	.1						7.6	9.4
ENE	.6	1.2	1.9	.6	.1							4.4	7.6
E	.5	1.8	1.4	.6	.1	.1						4.5	7.5
ESE	.3	1.6	1.6	.4	.1	.1						4.0	7.4
SE	.9	1.8	1.9	.6	.1							5.3	6.6
SSE	.9	2.6	2.8	.6								6.8	6.7
S	1.3	4.5	7.2	3.7	.6	.1						17.3	8.5
SSW	.8	3.1	6.1	4.1	.6							14.6	9.4
SW	.6	1.2	2.9	.9	.1							5.7	8.0
WSW	.4	1.0	1.0									2.4	5.8
W	.7	1.0	.4									2.1	4.8
WNW	.1	.9	.8	.1								1.9	6.7
NW	.6	.5	.5	.1	.1							1.7	6.0
NNW	.1	.3	.6	.6	.1							1.7	9.4
VARBL													
CALM												9.6	
	9.2	25.4	36.3	16.5	2.6	.3	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1800

ALLIED/EGY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,49-64 SEP
STATION I STATION NAME YEARS MONTH
 ALL WEATHER 1200-1400
CLASS HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
DIR													
N	.4	1.5	2.1	1.6	.3	.1						5.9	8.9
NNE	.4	.8	1.8	1.2	.6	.1	.1					4.9	10.4
NE	.7	1.7	5.0	2.4	.3							10.2	9.0
ENE	.4	2.1	2.7	1.3	.1							6.6	8.2
E	.9	1.9	2.7	.8	.1							6.4	7.2
ESE	.4	1.2	1.4	.4	.1							3.5	7.1
SE	.8	2.6	2.3	.3	.2	.1						6.2	7.0
SSE	.9	2.4	4.3	1.3	.1		.1					9.0	7.8
S	.8	3.5	9.9	5.8	.5	.1						20.6	9.3
SSW	.3	1.3	4.4	3.2	1.1	.1						10.3	10.6
SW	.2	1.1	1.3	.8	.1							3.6	8.5
WSW	.1	.5	.4	.3								1.3	7.8
W	.4	.7	.4	.2								1.8	6.0
WNW	.4	.6	.3									1.3	4.8
NW	.2	.4	.3	.2								1.1	6.8
NNW	.1	.6	1.0	1.0	.3							3.0	10.0
VARBL													
CAUM												4.3	
	7.5	22.8	40.6	20.7	3.6	.3	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.9	1.9	1.8	.2							5.3	9.5
NNE	.3	1.1	1.9	1.8	.4	.1	.1					5.7	10.2
NE	.4	1.8	5.1	3.0	.4							10.7	9.3
ENE	.5	1.7	3.5	1.6	.2	.1						7.5	8.8
E	1.1	2.0	3.9	1.2	.1							8.3	7.7
ESE	.3	1.8	2.4	.7								5.2	7.5
SE	.7	2.7	3.4	.9	.1							7.8	7.5
SSE	.5	3.4	5.7	2.2								11.8	8.3
S	.7	3.3	7.0	6.1	.7	.1						17.8	9.9
SSW	.2	1.3	3.7	3.0	.3							8.4	9.9
SW	.2	.8	1.1	.2	.2							2.4	8.1
WSW	.1	.3	.2	.1								.6	6.5
W	.1	.4	.3									.8	5.9
WNW	.1	.4	.3									.8	6.1
NW		.3	.3	.1	.1							.8	8.6
NNW	.2	.4	.7	.6	.3							2.2	9.9
VARBL													
CALM												3.7	
	5.8	22.9	41.4	23.1	2.9	.2	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 1800

ALLIED/FORT BUSINESS SYSTEMS

15002A

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WAGO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.9	1.3	.5								3.3	7.3
NNE	.6	1.4	2.9	.9	.2	.1						6.1	8.4
NE	1.2	3.6	3.9	.8	.1							9.6	6.8
ENE	.7	2.3	2.5	.3	.3							6.1	6.9
E	1.5	4.1	2.8	.7	.2	.1						9.3	6.4
ESE	1.8	3.7	2.0	.3	.1	.1						7.4	5.8
SE	1.8	5.1	3.5	.7	.1							11.2	6.3
SSE	1.7	5.8	5.4	1.9	.1							14.8	7.0
S	1.4	4.6	5.8	2.2	.2							14.2	7.6
SSW	.3	1.1	1.9	.7								4.1	7.9
SW	.2	.5	.1	.2	.1							1.0	7.6
WSW	.1	.1	.1									.3	4.2
W		.2	.2									.3	6.8
WNW		.4	.1									.5	5.3
NW	.3	.4	.3	.1								1.2	5.2
NNW	.2	.3	.3	.6	.1							1.3	9.1
VARBL													
CALM												9.2	
	12.4	33.8	33.0	9.9	1.4	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

1800

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

SEP
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.9	1.9	.2								3.9	6.5
NNE	1.1	1.9	1.9	.6	.2							5.8	7.0
NE	1.3	2.6	3.3	.4	.1							7.8	6.6
ENE	1.2	1.8	1.4	.5	.1	.1						5.1	6.7
E	1.9	2.6	1.7	.2		.1						6.5	5.6
ESE	1.1	2.8	.8	.1								4.8	5.0
SE	3.3	4.5	2.8	.4								11.2	5.2
SSE	1.7	4.9	3.8	1.5	.1							11.9	6.8
S	1.8	5.4	6.9	2.9	.1							17.2	7.6
SSW	.5	1.5	1.6	.7								4.3	7.3
SW	.1	.6	.3	.2	.1							1.1	7.5
WSW	.1	.1	.1									.3	5.4
W	.1	.3										.4	4.3
WNW		.1		.1								.2	9.0
NW	.2	.3	.2	.1								.7	6.0
NNW	.3	.4	.5	.4	.2							1.8	8.8
VARBL													
CALM												16.9	
	15.4	30.9	27.5	8.3	.8	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	2.1	2.0	1.6								7.2	7.1
NNE	.7	1.8	2.1	1.3	.2							6.0	8.1
NE	.9	2.3	2.2	.8	.3	.1						6.6	7.4
ENE	.3	.8	.9	.1								2.0	6.3
E	.4	1.1	.3	.1								1.9	5.7
ESE	.7	.5	.4	.1								1.6	4.8
SE	1.2	1.9	.4	.1	.1							3.7	4.9
SSE	2.0	2.2	3.1	.8	.1							8.1	6.6
S	2.9	5.8	8.0	2.7	.1							19.4	7.4
SSW	.8	2.4	3.2	1.2	.1	.1						7.7	7.9
SW	.5	.7	.6	.4								2.3	7.1
WSW	.3	.3	.1									.6	4.2
W	.4	.9	.2									1.5	4.6
WNW	.3	.7	.3									1.3	4.8
NW	.4	1.2	.8	.1	.1							2.5	6.0
NNW	.5	1.2	1.2	.4	.2	.2						3.8	8.1
VARBL													
CALM												23.8	
	13.8	25.7	25.9	9.6	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

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

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	2.2	2.4	1.6	.2							7.9	7.7
NNE	.9	1.9	2.0	.9	.1							5.9	7.4
NE	1.2	2.5	1.7	.7	.1	.1						6.2	6.8
ENE	.3	.5	.4	.1	.1							1.4	6.5
E	.6	1.3	.5	.1	.1	.1						2.8	6.0
ESE	.7	.6	.1	.1								1.5	4.5
SE	1.5	1.6	.5		.2							3.8	5.2
SSE	1.8	3.2	2.0	.1								7.1	5.2
S	2.5	5.7	5.8	1.9	.1							16.0	6.9
SSW	.6	1.7	2.1	.8								5.3	7.3
SW	.3	.9	.5	.3	.1							2.0	6.9
WSW	.4	.6	.2									1.1	4.7
W	.4	1.1	.5									2.0	5.0
WNW	.7	.8	.4	.1								1.9	4.8
NW	.9	1.2	1.6	.3								4.1	6.4
NNW	.9	1.3	1.6	.4	.2	.1						4.4	7.2
VARBL													
CALM												26.7	
	15.2	27.2	22.2	7.4	1.2	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45,49-64 YEARS
 ALL WEATHER CLASS
 CONDITION
 OCT MONTH
 0600-0800 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.9	3.3	1.7	.1	.1						8.0	8.1
NNE	.8	1.7	1.8	1.5	.2	.1						6.0	8.5
NE	1.0	2.0	2.4	1.0	.2							6.7	7.4
ENE	.5	1.0	.8	.3	.2	.1						2.8	7.1
E	.8	.8	.8	.1								2.4	5.3
ESE	.4	1.0	.3									1.8	5.1
SE	1.3	2.5	1.0									4.8	5.0
SSE	1.5	3.1	2.0	.2	.1							6.7	5.8
S	2.2	5.4	5.6	1.2	.3							14.7	6.9
SSW	.4	2.0	3.1	.8	.1							6.3	7.6
SW	.4	.9	1.3	.5								2.7	7.8
WSW	.3	.3	.3	.1								.9	5.4
W	.6	1.1	.3	.1								2.1	5.0
WNW	.3	.7	.3	.1	.1							1.5	6.2
NW	.9	1.5	1.2	.4	.1							4.0	6.3
NNW	.7	1.5	2.2	.8	.2	.1						5.3	7.9
VARBL												23.3	
CALM													
	13.0	26.9	26.7	8.5	1.3	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WIND

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

13928
STATION

HAGO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

4
 OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (LST)

CONDITION

ALLIANCE BUSINESS SYSTEMS

150024

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.0	2.4	2.6	.3							6.7	10.1
NNE	.3	.9	1.7	2.4	.6	.1						5.9	11.2
NE	.6	2.3	2.6	2.3	.4	.2						8.3	9.4
ENE	.3	.6	2.3	.4	.1	.1						3.8	8.5
E	.3	1.6	1.2	.4	.1							3.5	7.1
ESE	.5	.5	.6	.2								1.9	6.3
SE	.1	1.2	1.7	.3								3.2	7.2
SSE	.8	2.0	3.5	1.5	.1							7.8	7.8
S	1.5	3.7	8.8	4.1	.4	.1						18.6	8.9
SSW	.3	2.3	5.4	4.0	.8	.1						12.8	10.0
SW	.7	1.5	2.9	2.0	.3							7.5	9.1
WSW	.6	.8	.5	.1	.1							2.1	6.5
W	.9	1.3	.5	.1	.1							2.8	5.1
WNW	.2	.2	.3	.2	.1	.1						1.0	9.2
NW	.3	.6	.8	.3	.1							2.2	7.9
NNW	.3	.6	1.5	1.3	.5							4.3	10.4
VARBL													
CALM												7.4	
	8.2	21.1	36.6	22.2	3.8	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45,49-64 YEARS OCT MONTH 1200-1400 HOURS (LST)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1	2.3	2.2	1.0							7.6	10.9
NNE	.4	1.0	2.7	2.4	.6	.3	.1					7.4	10.8
NE	.6	1.3	3.4	2.9	.5	.1						8.9	9.9
ENE	.6	.8	2.0	.7	.1	.1						4.3	8.5
E	.4	1.4	1.0	.6								3.4	7.2
ESE	.3	.9	.8	.1								2.1	6.2
SE	.4	1.5	1.4	.2								3.5	6.4
SSE	.5	1.5	3.7	2.4	.1							8.1	9.0
S	.9	3.3	7.6	5.6	.9	.1						18.4	9.8
SSW	.3	1.6	4.6	5.1	1.2	.2						13.0	10.9
SW	.4	1.3	3.2	1.6	.5	.1						7.1	9.8
WSW	.2	.6	.8	.2	.1							1.7	7.3
W	.3	.5	.6	.2								1.7	6.7
WNW	.2	.3	.7	.2	.1							1.4	8.0
NW	.4	.8	.8	.5	.1							2.6	8.0
NNW	.3	.6	1.6	1.1	.9	.1						4.5	10.7
VARBL													
CALM												4.4	
	6.5	18.3	37.3	26.7	6.0	.9	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45,49-64 YEARS OCT NORTH

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

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	3.4	2.5	.5							8.1	9.9
NNE	.3	1.0	2.7	2.0	.9	.2						7.1	10.8
NE	.5	1.6	4.6	2.5	.4							9.6	9.6
ENE	.5	1.7	2.0	1.2	.2	.1						5.6	8.3
E	1.2	1.9	1.8	1.0								5.9	6.8
ESE	.5	.8	1.1	.2								2.5	6.3
SE	1.0	2.0	1.6	.3								4.9	6.2
SSE	.7	2.9	4.7	2.5	.3							11.1	8.6
S	.8	4.1	8.1	6.0	.4							19.5	9.2
SSW	.2	1.3	4.1	2.9	.6	.1						9.1	10.4
SW	.4	.9	1.0	.9	.1							3.3	8.6
WSW		.3	.4	.1	.1							.8	8.4
W	.2	.3	.2	.1								.9	6.0
WNW		.2	.3	.2	.1							.6	10.0
NW	.2	.3	.9	.3	.2	.1						2.0	9.9
NNW	.2	.7	1.2	1.5	.6	.2						4.3	11.3
VARBL													
CALM												4.7	
	7.0	21.3	38.0	24.0	4.4	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.2	2.5	1.2	.5	.3						7.5	8.7
NNE	.6	1.4	2.5	.9	.1	.1						5.6	7.9
NE	1.0	3.1	3.7	.7	.1							8.7	7.0
ENE	1.1	1.6	1.4	.2	.1							4.4	5.8
E	1.5	2.1	.6	.4								4.7	5.3
ESE	1.6	1.4	.4	.2								3.6	4.7
SE	2.2	4.5	2.7	.2								9.5	5.4
SSE	1.8	5.4	4.6	1.3	.2							13.4	6.7
S	2.5	6.1	5.9	1.6	.2							16.3	6.7
SSW	.8	1.6	1.9	.4	.1	.1						4.8	7.3
SW	.1	.6	.2									.9	5.4
WSW	.1	.1	.1	.1								.3	5.8
W	.1	.2										.2	4.5
WNW	.1	.3										.4	4.1
NW	.1	.4	.3	.2								1.0	7.4
NNW	.4	1.4	1.2	.6	.2	.2						3.9	8.4
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	14.8	
	14.6	32.4	28.1	8.1	1.4	.5						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1859

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,49-64 OCT
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

CONDITION

2100-2300
HOURS (LST)

SPEED (KNTS) Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.7	2.0	1.5	.5	.1						7.0	8.7
N-NE	1.2	2.0	1.9	1.0	.2	.1						6.4	7.7
NE	1.2	3.0	2.4	1.1								7.7	6.9
ENE	.5	1.0	.8	.1								2.4	5.8
E	1.0	1.3	.7	.2								3.2	5.7
ESE	.8	1.0	.5	.1								2.4	5.0
SE	2.0	2.8	1.5	.4								6.7	5.5
SSE	1.7	4.5	3.1	1.7	.1							11.1	6.8
S	2.1	4.7	6.6	2.6	.2							16.2	7.5
SSW	.7	2.0	2.4	1.3	.2	.1						6.7	8.4
SW	.5	1.0	.5	.1								2.0	5.8
WSW	.2	.1	.1		.1							.4	5.8
W	.3	.4										.7	3.6
WNW	.1	.5	.2									.8	5.5
NW	.3	.4	.6	.3								1.6	6.7
NNW	.5	1.1	.7	.5	.2	.1						3.0	8.4
VARBL													
CALM												21.7	
	14.2	27.4	24.2	10.8	1.3	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1860

ALLEN/FRY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-44, 49-64 NOV
STATION STATION NAME YEARS MONTH
 ALL WEATHER 0300-0500
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.8	3.4	2.6	2.1	.2						12.2	10.3
NNE	.7	1.3	2.0	1.3	.5	.2						6.0	9.8
NE	.4	1.4	2.3	.6	.4	.1						5.1	8.7
ENE	.4	.6	.9	.2								2.1	7.1
E	.3	.5	.2	.1								1.0	5.0
ESE	.2	.6	.2	.1								1.0	5.8
SE	.5	1.4	1.1	.1								3.0	5.9
SSE	1.1	2.3	2.2	.5								6.1	6.4
S	1.9	5.9	7.7	2.1	.2							17.8	7.3
SSW	.7	1.1	3.5	1.6	.2							7.1	8.8
SW	.4	.9	.8	.5								2.6	7.2
WSW	.5	.8	.3	.1								1.6	5.3
W	.5	1.4	.4	.2								2.4	5.5
WNW	.2	1.2	1.2	.1								2.7	6.5
NW	1.1	1.8	2.0	.6	.1	.1						5.6	6.9
NNW	.5	1.2	1.3	.9	.5							4.4	9.2
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	19.2	
	10.1	25.2	29.4	11.6	4.0	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1709

ALLIED/EGRY BUSINESS SYSTEMS

150524

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44, 49-64 YEARS NOV MONTH
 CLASS ALL WEATHER
 HOURS (LST) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.8	3.4	2.6	2.1	.2						12.2	10.3
NNE	.7	1.3	2.0	1.3	.5	.2						6.0	9.8
NE	.4	1.4	2.3	.6	.4	.1						5.1	8.7
ENE	.4	.6	.9	.2								2.1	7.1
E	.3	.5	.2	.1								1.0	5.0
ESE	.2	.6	.2	.1								1.0	5.8
SE	.5	1.4	1.1	.1								3.0	5.9
SSE	1.1	2.3	2.2	.5								6.1	6.4
S	1.9	5.9	7.7	2.1	.2							17.8	7.3
SSW	.7	1.1	3.5	1.6	.2							7.1	8.8
SW	.4	.9	.8	.5								2.6	7.2
WSW	.5	.8	.3	.1								1.6	5.3
W	.5	1.4	.4	.2								2.4	5.5
WNW	.2	1.2	1.2	.1								2.7	6.5
NW	1.1	1.8	2.0	.6	.1	.1						5.6	6.9
NNW	.5	1.2	1.3	.9	.5							4.4	9.2
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	19.2	
	10.1	25.2	29.4	11.6	4.0	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1709

ALLIED/EGRY BUSINESS SYSTEMS
 150324

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

0600-0800
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

ALLIED/FARM BUSINESS SYSTEMS

150324

SPEED (KNTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
DIR.													
N	.9	2.3	2.9	3.3	1.6	.2						11.2	10.7
NNE	.6	1.9	1.9	1.6	.8	.2						7.0	9.5
NE	.4	1.3	1.8	.9	.3							4.7	8.5
ENE	.1	.7	1.1	.2								2.0	7.7
E	.5	.7	.5	.1								1.8	5.2
ESE	.3	.6	.4	.1								1.4	5.5
SE	.6	1.6	.8	.4								3.5	6.3
SSE	.9	2.8	3.0	.7	.1							7.5	7.0
S	2.0	4.3	6.9	2.6	.1							15.8	7.5
SSW	.6	1.8	3.4	1.8	.2							7.8	8.7
SW	.5	.6	.4	.2								1.8	6.3
WSW	.4	.8	.3	.1								1.5	5.7
W	.5	1.1	.5	.2								2.2	5.8
WNW	1.0	.8	.6	.4								2.9	5.9
NW	.7	1.5	2.1	1.1	.1	.1						5.5	8.0
NNW	.7	1.2	2.2	1.5	.5	.2						6.2	9.6
VARBL													
CALM												17.3	
	10.6	24.0	28.9	15.0	3.6	.6						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WIND

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44,49-64 YEARS NOV MONTH 0900-1100 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.3	3.1	3.7	1.5	.5	.1	.1				10.5	12.3
NNE	.4	.7	2.7	1.9	1.7	.4						7.8	12.2
NE	.3	1.3	2.3	1.7	.5	.2						6.2	10.0
ENE	.2	.8	1.3	.5	.1							2.9	8.4
E	.2	.5	1.0	.4								2.1	8.2
ESE	.1	.2	.4	.1								.8	7.6
SE	.4	1.1	1.2	.2								2.9	6.4
SSE	.8	2.3	2.6	1.8	.1							7.6	8.2
S	1.2	3.2	7.0	5.1	.9	.2						17.7	9.6
SSW	.4	1.8	3.6	4.0	2.2	.3						12.3	11.6
SW	.3	1.5	1.7	1.6	.5							5.6	9.5
WSW	.2	.6	.9	.2	.1							1.9	7.6
W	.2	.9	.6	.2		.1						2.0	7.3
WNW	.2	.3	.5	.1	.1	.1						1.2	8.3
NW	.3	.5	1.1	1.3	.5	.1						3.7	10.7
NNW	.2	.4	2.0	2.3	.9	.1						6.0	11.9
VARBL													
CALM												8.8	
	5.8	17.5	31.9	24.9	9.1	1.9	.1	.1				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44,49-64 YEARS NOV MONTH 1200-1400 HOURS (LST.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1	3.9	4.4	2.2	.2	.1					12.3	12.0
NNE	.2	1.1	2.0	1.9	1.3	.2						6.8	11.7
NE	.3	1.1	1.9	1.1	.6							5.0	9.9
ENE	.2	.4	1.3	.9								2.8	9.0
E	.2	1.0	.8	.2								2.2	6.9
ESE	.2	.3	.7	.1								1.3	7.4
SE	.3	1.1	.7	.4	.1							2.5	7.4
SSE	.3	1.1	2.2	1.4	.2							5.2	9.1
S	.6	2.1	7.0	5.7	1.6	.2						17.2	10.6
SSW	.2	1.5	3.6	5.3	3.6	.4						14.5	12.9
SW	.5	.8	2.2	3.0	.5	.1						7.0	10.8
WSW	.2	.7	.6	.4	.2							2.2	8.3
W	.4	.8	.9	.3	.3							2.6	8.5
WNW	.2	.6	.9	.2	.2	.1						2.3	8.7
NW	.1	.6	1.4	.9	.6							3.8	10.7
NNW	.4	.4	1.9	2.7	1.2	.4						7.1	12.7
VARBL													
CALM												5.2	
	4.6	14.7	32.1	29.0	12.7	1.6	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/BENT BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44.49-64 YEARS NOV MONTH 1500-1700 HOURS (L & T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.5	3.9	3.7	1.2	.2	.1					11.4	11.0
NNE	.2	.8	2.0	2.0	.9	.2						6.1	11.6
NE	.6	2.3	3.1	1.3	.5							7.9	8.5
ENE	.2	1.2	1.1	.3	.1							2.8	7.0
E	.1	.9	1.0	.2								2.2	6.9
ESE	.2	.5	1.0	.2	.1							2.0	7.7
SE	.5	1.5	1.2	.1	.1							3.3	6.2
SSE	.5	2.0	3.5	1.5	.2							7.8	8.3
S	.8	3.3	6.9	6.6	1.2	.2						19.1	10.2
SSW	.4	.9	3.0	3.7	1.8	.2						10.0	11.9
SW	.3	.7	1.2	1.7	.2							4.2	10.3
WSW	.2	.8	.6	.2								1.7	6.7
W	.4	.8	.8	.6	.1							2.6	7.9
WNW	.1	.2	.4	.4	.2	.1						1.3	11.6
NW	.3	.5	1.6	.5	.2							3.1	8.9
NNW	.1	.8	2.2	3.2	1.5	.2						8.0	12.4
VARBL													
CALM												6.6	
	5.7	18.7	33.5	26.2	8.3	1.1	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 1709

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44,49-64 YEARS NOV MONTH

1800-2000
 HOURS (L & T.)

ALL WEATHER
 CLASS

CONDITION

ALLIED/FERRY BUSINESS SYSTEMS

16024

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	4.0	3.2	2.0	.6	.2	.1					10.9	8.7
NNE	.5	1.2	2.2	1.7	.6	.2						6.4	10.3
NE	.9	2.5	1.9	1.0	.2	.1						6.6	7.4
ENE	.9	1.4	.7	.1	.1							3.3	5.9
E	.7	1.2	.9	.3								3.2	6.1
ESE	.5	.8	.9	.2								2.3	6.4
SE	.5	2.9	1.7	.1								5.2	5.9
SSE	1.4	4.2	3.1	1.2								9.9	6.7
S	2.2	6.7	6.8	3.0	.4	.1						19.1	7.6
SSW	.7	.9	2.6	1.7	.1							6.0	8.9
SW	.5	.8	.8	.2								2.2	6.2
WSW	.3	.4	.1									.8	4.2
W	.2	.9	.2	.1								1.5	5.6
WNW	.4	.5	.5	.2								1.6	6.5
NW	.6	1.4	.9	.2	.1	.1						3.3	6.6
NNW	.5	1.8	1.5	.8	.4	.2	.1					5.2	9.3
VARBL													
CALM												12.6	
	11.6	31.7	28.0	13.7	2.4	.8	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACD TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (LST)

CONDITION

SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
DIR.													
N	1.2	3.2	2.8	2.3	.9	.4	.1					10.9	9.5
NNE	.5	1.1	2.0	1.2	.5	.1	.1					5.5	9.9
NE	.9	1.8	2.2	.9	.2	.1						6.0	7.9
ENE	.4	.6	.8		.1							1.9	6.2
E	.6	.9	.5	.1								2.0	5.1
ESE	.4	.6	.3									1.2	4.9
SE	.7	2.0	1.0	.2	.1							3.9	5.9
SSE	.6	3.2	2.6	1.5	.1							8.0	7.6
S	1.7	4.9	6.4	5.0	.9	.2						19.1	9.0
SSW	.4	2.6	2.8	1.7	.1	.1						7.6	8.3
SW	.1	.8	.9	.1								1.9	6.6
WSW	.1	.6	.2		.1							.9	6.4
W	.5	.9	.6	.1								2.2	5.6
WNW	.3	.9	.7									1.9	5.7
NW	.4	.6	1.5	.3	.1	.1						2.9	8.0
NNW	.8	1.7	1.9	.8	.2	.2						5.5	8.1
VARBL													
CALM												18.4	
	9.5	26.4	27.2	14.0	3.3	1.1	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1709

ALLIED/EGP BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (LST)

CONDITION

ALLIED/FORT BUSINESS SYSTEMS

120004

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	2.5	4.7	2.4	1.8	.4	.1					12.8	10.3
NNE	.5	1.3	1.7	1.3	.3							5.2	9.0
NE	.5	.6	1.8	.9	.1							3.9	8.4
ENE	.2	.5	.6	.2								1.5	7.3
E	.2	.3	.4	.2								1.2	7.5
ESE	.4	.5	.1	.1								1.0	4.6
SE	.6	1.1	.6	.4								2.7	6.5
SSE	.8	1.5	1.8	.4								4.5	6.7
S	2.3	5.8	6.7	2.6	.5	.1						18.1	7.6
SSW	.8	1.9	3.3	1.2	.2	.1						7.6	8.0
SW	.4	.8	.5	.1								1.8	5.5
WSW	.2	.6	.4	.1	.1							1.4	6.6
W	.6	1.0	1.6	.1								3.3	6.2
WNW	.6	.6	1.1	.2	.2							2.7	6.8
NW	.7	2.2	1.6	.6	.3							5.4	7.2
NNW	.6	1.4	2.6	1.6	.6	.2						7.0	9.8
VARBL													
CALM												20.2	
	10.6	22.6	29.6	12.3	4.0	.7	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44,48-64 YEARS

DEC MONTH
 0300-0500 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.3	4.0	3.2	1.2	.1	.2					11.5	10.4
NNF	.5	1.3	2.2	2.0	.5	.1						6.7	9.7
NE	.2	.9	2.0	1.1								4.3	4.0
ENE	.3	.5	.8	.1								1.7	6.6
E	.3	.3	.3	.1	.1							1.1	7.1
ESE	.2	.3	.1	.1								.8	6.2
SE	.3	1.2	.9	.2	.1							2.6	7.0
SSE	1.2	1.9	1.9	.3								5.2	5.9
S	2.2	4.9	6.5	2.1	.2							15.9	7.3
SSW	.9	2.0	3.4	.8	.5							7.5	7.9
SW	.3	.9	.5	.1								1.8	5.8
WSW	.5	.8	.3									1.6	4.8
W	.5	1.0	1.2									2.6	6.1
WNW	.6	.8	1.6	.2	.2							3.4	7.4
NW	.8	2.2	1.8	.7	.4	.2						6.0	7.8
NNW	.7	1.9	2.0	1.5	.7	.2						7.1	9.4
VARBL													
CALM												20.1	
	10.1	23.1	29.5	12.5	3.8	.6	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1858

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WIND

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

1392B
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-44, 48-64
 YEARS

DEC
 MONTH

ALL WEATHER
 CLASS

0600-0800
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.0	3.8	3.5	1.2	.4						11.5	10.6
NNE	.6	1.1	2.7	2.7	.4	.2						7.7	10.0
NE	.4	.6	1.6	1.0	.2							3.8	9.0
ENE	.3	.5	.4	.3								1.4	6.7
E	.2	.4	.3	.1								.9	5.6
ESE	.3	.7	.2	.1								1.3	5.9
SE	.5	1.0	.9	.4	.1							2.9	7.3
SSE	1.2	1.7	1.9	.5								5.3	6.3
S	1.9	5.8	6.1	1.6	.1	.1						15.6	7.0
SSW	1.1	2.2	2.7	1.1	.3							7.4	7.8
SW	.1	.7	.7	.1								1.6	6.7
WSW	.2	.6	.4	.2								1.5	6.5
W	.7	1.7	1.0	.1	.1							3.5	5.6
WNW	.2	1.2	1.3	.4								3.2	7.2
NW	.9	1.7	1.1	.8	.4	.1						4.9	8.0
NNW	.7	2.0	2.5	2.7	.9	.2						9.1	10.1
VARBL													
CALM												18.4	
	9.8	23.9	27.6	15.6	3.7	.9						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44,48-64 YEARS DEC MONTH 0900-1100 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.9	3.3	4.2	1.9	.3						12.2	11.5
NNE	.5	.8	1.9	2.0	1.1	.2						6.5	11.3
NE	.3	.8	1.7	1.5	.3	.1						4.6	10.2
ENE	.2	.9	.9	.4	.1							2.5	8.1
E	.4	.5	.6	.2								1.8	6.5
ESE	.3	.4	.5	.3								1.5	7.1
SE	.2	.8	.9	.5	.1							2.4	8.5
SSE	.5	1.4	2.3	.9	.1							5.3	7.9
S	1.1	4.1	7.2	3.9	.3	.1						16.7	8.5
SSW	.7	2.2	4.7	2.6	.9	.3						11.4	9.8
SW	.7	1.1	1.7	.9	.2							4.5	8.0
WSW	.4	.5	.9	.4								2.2	7.8
W	.5	1.0	.7	.3	.1							2.6	6.7
WNW	.2	.4	1.0	.4	.1							2.1	8.6
NW	.3	1.0	1.7	1.6	.8							5.4	10.4
NNW	.2	1.2	3.0	3.4	1.7	.6	.1					10.2	12.4
VARBL													
CALM												8.1	
	6.9	19.1	33.0	23.7	7.6	1.6	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1859

ALU/COPT BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.0	4.1	3.9	2.6	.3						12.3	12.1
NNE	.3	.9	2.6	2.5	.8	.1						7.2	11.0
NE	.4	1.0	1.7	1.8	.2	.1						5.2	10.0
ENE	.2	1.0	.9	.8	.1							2.9	8.8
E	.2	.9	.5	.1								1.7	6.0
ESE	.3	.4	.2	.1								1.0	5.6
SE	.3	.4	.7	.2	.1							1.6	7.3
SSE	.4	.9	2.2	1.0	.7							4.6	8.4
S	.7	2.6	5.6	4.5	1.1	.1						15.0	11.2
SSW	.6	1.0	3.7	6.9	1.3	.5						13.9	12.0
SW	.6	.8	3.2	1.7	.1							6.3	9.0
WSW	.3	.6	.9	.7	.2							2.7	8.9
W	.3	1.1	.7	.9	.3							3.3	8.9
WNW	.3	.4	.8	.5	.2	.1						2.3	9.4
NW	.2	1.1	1.3	1.9	.2	.2						4.9	10.4
NNW	.3	1.1	2.5	3.7	1.8	.4	.2					9.9	12.9
VARBL													
CALM												5.3	
	5.8	15.2	31.6	31.1	9.2	1.6	.2					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 1859

ALLIED/COPY BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH
 1500-1700
HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.9	3.2	5.1	1.9	.5	.1					12.9	11.8
NNE	.2	.9	2.1	2.5	.8							6.6	10.8
NE	.6	1.6	2.9	1.9	.2							7.2	8.8
ENE	.1	.6	1.2	.3								2.2	8.4
E	.5	.8	1.0	.1								2.5	6.0
ESE	.5	.4	.3	.1								1.3	5.3
SE	.4	1.3	.7	.1								2.5	6.2
SSE	.6	2.0	2.5	1.5	.1							6.6	8.0
S	1.0	3.2	6.9	4.6	.8	.1						16.6	9.3
SSW	.3	1.2	3.3	4.3	1.2	.4						10.7	11.7
SW	.4	.8	1.6	1.0	.2							4.8	9.0
WSW	.3	.9	.8	.3								2.4	6.8
W	.5	.8	.9	.4	.2							2.7	7.9
WNW	.3	.6	.8	.4	.1	.1						2.2	8.1
NW	.2	.7	1.6	1.4	.3	.1						4.3	10.4
NNW	.3	.8	2.9	3.2	.9	.4	.1					8.6	11.8
VARBL													
CALM												6.7	
	6.4	18.5	32.8	27.4	6.6	1.6	.1					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

1828

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	3.4	4.6	2.2	1.1	.6						12.9	9.7
NNE	.6	1.4	3.6	1.7	.5	.3	.1					8.1	10.0
NE	1.0	1.6	2.2	.7	.1							5.5	7.1
ENE	.6	.6	.6	.1								1.8	5.6
E	1.1	.6	.7	.2								2.6	5.2
ESE	.5	.8	.5	.2								1.9	6.1
SE	1.1	1.7	.9	.4								4.1	5.7
SSE	1.3	3.5	3.1	.7								8.6	6.4
S	1.4	5.4	6.5	2.2	.5	.1						16.0	7.6
SSW	.5	2.5	2.8	1.0	.2							7.0	7.7
SW	.3	1.1	.4		.1							1.9	5.8
WSW	.2	.5	.1	.1								.7	5.5
W	.2	.9	.4									1.5	5.8
WNW	.1	.4	.3	.1	.1							1.0	8.0
NW	.1	1.4	1.8	.3	.5	.1						4.1	8.8
NNW	.8	1.6	3.2	1.0	.5	.1						7.2	8.3
VARBL													
CALM												15.2	
	10.6	27.3	31.6	10.8	3.4	1.1	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

767

ALLIED/EGW BUSINESS SYSTEMS

15002A

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB.
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

2100-2300
HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.6	3.6	1.8	1.5	.3	.1					11.6	9.7
NNE	.7	1.6	2.0	2.3	.6	.1						7.3	9.7
NE	.3	1.6	2.0	.9	.1							4.8	8.0
ENE	.2	.8	.7	.2								1.9	6.7
E	.3	1.1	.4									1.8	5.1
ESE	.8	.5	.3	.1								1.7	4.8
SE	1.1	1.2	.7	.2	.1							3.3	5.6
SSE	.8	1.9	1.8	1.2	.1							5.8	7.5
S	2.0	5.5	6.1	2.9	.7							17.1	7.9
SSW	1.1	2.2	3.0	.6	.1							6.9	7.0
SW	.5	1.0	.5	.3								2.3	6.5
WSW	.1	.7	.7									1.4	6.2
W	.3	1.0	.7	.1								2.1	5.6
WNW	.3	1.0	.9	.2	.1							2.4	6.9
NW	.1	1.8	1.5	.4	.2	.1						4.1	8.2
NNW	.9	2.0	2.4	1.1	1.0	.2						7.6	9.5
VARBL													
Sum												17.8	
	10.1	27.5	27.2	12.3	4.3	.7	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/FORT BUSINESS SYSTEMS

150024

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

SURFACE WINDS

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

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,48-64
STATION MONTH YEARS

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

ALL
MONTH
 ALL
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.7	3.9	3.7	1.2	.3	.0	.0				11.4	10.8
NNE	.4	1.2	3.2	2.5	.6	.1	.0					8.1	10.4
NE	.5	1.6	2.9	1.4	.3	.0						6.7	8.9
ENE	.4	.9	1.6	.5	.1	.0	.0					3.6	8.0
E	.5	1.1	1.3	.4	.1	.1	.0					3.5	7.5
ESE	.4	.9	.9	.3	.0	.0						2.4	7.0
SE	.6	1.5	2.0	.7	.1	.0						4.8	7.6
SSE	.7	2.2	4.7	2.4	.3	.0	.0					10.3	8.8
S	1.3	3.7	8.4	5.5	.6	.1						19.6	9.2
SSW	.3	1.6	3.9	2.9	.6	.1						9.4	10.0
SW	.3	.5	.9	.5	.1	.0						2.3	8.8
WSW	.1	.2	.3	.1	.0							.8	7.7
W	.2	.3	.3	.1	.0	.0						.9	7.3
WNW	.1	.2	.3	.2	.1	.0						1.0	9.3
NW	.2	.4	1.0	.8	.2	.1	.0	.0				2.7	10.7
NNW	.2	.8	1.9	2.0	.9	.2	.0					5.9	11.6
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	6.4	
	6.7	18.9	37.6	24.1	5.3	1.0	.1	.0				100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 17840

DATA PROCESSING CENTER
ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER, USAF
Air Weather Service (MATS)
Asheville, North Carolina 28801

REPLY TO
ATTN OF: ETAC/DPD

22 December 1965

SUBJECT: Surface Summaries


TO: 25 Wea Sq ✓
5 Wea Wg (5WWSS)
3 Wea Wg

1. Reference: Ltr, 5WW, 9 Dec 65, Standard Summaries.
2. We are sending copies of revised Uniform Summary of Surface Weather Observations as follows:

13928 Waco Texas/James Connally AFB
Parts A thru F Hrly Obs: May 42 - Oct 45, Dec 48 - Dec 64
Daily Obs: May 42 - Oct 45, Dec 48 - May 64

3. Summaries for 13920, Forbes AFB, Kansas, were mailed 15 Dec 65 to Det 35, 25 Wea Sq, 5 Wea Wg, 4 Wea Wg, 3 Wea Wg and ETAC, USAF.

FOR THE DIRECTOR


C W MARTINUSEN, JR, 1st Lt, USAF
Administrative Officer

Atch
Summaries (1 Bk)

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

PART D

CEILING VERSUS VISIBILITY

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

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

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

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

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below:

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

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

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

ADDITIONAL EXAMPLES

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

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

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

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,48-64
 YEAR

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	> 6	> 5	> 4	≥ 3	≥ 2½	> 2	≥ 1½	> 1½	> 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	45.2	47.1	47.3	47.4	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8
20000	61.5	64.2	64.5	64.8	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2
18000	61.6	64.3	64.6	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
16000	61.7	64.5	64.8	65.1	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.5	65.5
14000	62.8	65.7	66.0	66.2	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.7	66.7
12000	64.7	67.7	68.0	68.3	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7
10000	66.2	69.3	69.7	70.0	70.2	70.2	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.5
9000	66.7	69.9	70.3	70.5	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.0
8000	67.4	70.8	71.2	71.4	71.6	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9
7000	68.0	71.5	71.9	72.2	72.4	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.7
6000	68.8	72.4	72.8	73.1	73.2	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.6
5000	70.0	73.8	74.3	74.6	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1
4500	70.6	74.5	75.0	75.3	75.5	75.5	75.6	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
4000	72.0	76.1	76.6	76.9	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.5	77.5
3500	73.1	77.4	77.9	78.3	78.5	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8
3000	74.7	79.3	79.9	80.2	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.9
2500	76.6	81.5	82.1	82.5	82.7	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1
2000	78.6	84.0	84.7	85.1	85.4	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8
1800	79.4	85.1	85.7	86.2	86.5	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9
1500	80.9	87.0	87.8	88.3	88.6	88.6	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.1	89.1
1200	82.4	89.2	90.1	90.6	91.0	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.5	91.5	91.5	91.6
1000	83.2	90.6	91.6	92.2	92.6	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.3
900	83.5	91.1	92.2	92.8	93.3	93.3	93.6	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	94.0
800	83.8	91.8	92.9	93.7	94.2	94.3	94.6	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	95.0
700	84.0	92.3	93.5	94.4	95.0	95.0	95.4	95.5	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.9
600	84.1	92.7	94.0	95.0	95.7	95.7	96.1	96.3	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.7
500	84.2	93.0	94.4	95.5	96.3	96.4	96.9	97.1	97.1	97.4	97.4	97.4	97.5	97.5	97.6	97.6
400	84.2	93.1	94.6	95.7	96.7	96.8	97.4	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.3	98.3
300	84.2	93.2	94.7	95.9	96.8	96.9	97.7	98.0	98.0	98.4	98.6	98.6	98.7	98.7	98.8	98.8
200	84.2	93.2	94.7	95.9	96.9	97.0	97.8	98.1	98.1	98.7	98.8	98.8	99.0	99.0	99.1	99.2
100	84.2	93.2	94.8	95.9	96.9	97.0	97.8	98.1	98.2	98.8	99.0	99.0	99.2	99.2	99.4	99.6
0	84.2	93.2	94.8	95.9	96.9	97.0	97.9	98.1	98.2	98.8	99.0	99.0	99.3	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 171055

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	> 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.7	38.1	38.2	38.3	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.6
20000	50.7	53.0	53.2	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.8	53.9
18000	50.8	53.2	53.4	53.6	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.9	53.9	53.9	54.1
16000	51.0	53.4	53.6	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.3
14000	52.5	54.9	55.1	55.3	55.4	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.8
12000	54.2	56.8	57.0	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.6	57.7
10000	55.6	58.3	58.5	58.7	58.8	58.8	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.1	59.2
9000	56.2	58.9	59.1	59.3	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.8
8000	56.9	59.7	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.5	60.6
7000	57.4	60.3	60.5	60.7	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.2
6000	58.4	61.4	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.2	62.3
5000	59.3	62.4	62.7	62.9	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.5
4500	59.8	63.0	63.3	63.5	63.6	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.9	63.9	63.9	64.1
4000	60.8	64.2	64.6	64.8	65.0	65.0	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.4
3500	61.9	65.5	65.9	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.6	66.7
3000	63.1	67.1	67.5	67.7	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.3
2500	65.1	69.5	70.0	70.3	70.4	70.4	70.5	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.8	70.9
2000	67.2	72.3	72.9	73.2	73.4	73.4	73.5	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.9
1800	68.2	73.6	74.2	74.6	74.8	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2	75.4
1500	69.6	76.0	76.8	77.2	77.5	77.5	77.6	77.7	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.1
1200	71.1	78.8	79.8	80.3	80.7	80.8	81.0	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.4	81.5
1000	71.9	80.5	81.8	82.4	82.9	83.0	83.2	83.4	83.4	83.6	83.6	83.6	83.7	83.7	83.8	83.9
900	72.3	81.3	82.7	83.4	84.0	84.1	84.4	84.5	84.6	84.7	84.8	84.8	84.9	84.9	84.9	85.1
800	72.6	82.3	83.8	84.8	85.4	85.5	85.9	86.1	86.1	86.3	86.4	86.4	86.5	86.5	86.6	86.7
700	72.8	83.0	84.7	85.8	86.6	86.7	87.3	87.5	87.6	87.8	87.8	87.9	87.9	87.9	88.0	88.2
600	73.0	83.8	85.8	87.1	88.1	88.3	89.0	89.3	89.5	89.6	89.8	89.8	89.9	89.9	89.9	90.1
500	73.1	84.3	86.5	88.2	89.5	89.7	90.8	91.1	91.2	91.8	91.9	91.9	92.1	92.1	92.2	92.3
400	73.1	84.7	87.0	88.8	90.4	90.6	92.0	92.5	92.5	93.4	93.6	93.6	93.8	93.8	93.9	94.1
300	73.1	84.8	87.3	89.1	90.9	91.1	92.8	93.3	93.4	94.7	95.0	95.0	95.4	95.4	95.6	95.8
200	73.1	84.9	87.3	89.2	91.1	91.3	93.1	93.8	93.8	95.4	95.9	95.9	96.6	96.6	96.9	97.1
100	73.1	84.9	87.3	89.2	91.1	91.4	93.2	93.9	93.9	95.7	96.3	96.3	97.3	97.3	97.9	98.4
0	73.1	84.9	87.3	89.2	91.1	91.4	93.2	93.9	93.9	95.7	96.4	96.4	97.4	97.4	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 14372

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	> 0	
NO CEILING	36.4	39.3	39.6	39.9	40.3	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.7
20000	48.4	51.9	52.4	53.0	53.5	53.5	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9	54.0	54.1
18000	48.5	52.0	52.5	53.1	53.6	53.6	53.7	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.1	54.2
16000	48.6	52.1	52.6	53.2	53.7	53.7	53.9	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.2	54.3
14000	49.2	52.9	53.4	54.0	54.5	54.5	54.6	54.7	54.7	54.8	54.8	54.8	54.9	54.9	55.0	55.1
12000	50.5	54.3	54.9	55.4	55.9	56.0	56.1	56.2	56.2	56.3	56.3	56.3	56.4	56.4	56.5	56.6
10000	51.8	55.9	56.5	57.1	57.6	57.6	57.8	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.1	58.2
9000	52.4	56.5	57.1	57.7	58.2	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.8	58.9
8000	53.4	57.7	58.3	58.9	59.5	59.5	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.1
7000	54.4	58.8	59.5	60.1	60.6	60.6	60.8	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.2	61.3
6000	55.1	59.8	60.5	61.1	61.7	61.7	61.9	61.9	61.9	62.0	62.1	62.1	62.2	62.2	62.3	62.4
5000	56.3	61.1	62.0	62.6	63.2	63.2	63.4	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.8	63.9
4500	56.8	61.8	62.7	63.4	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.6	64.6
4000	57.9	63.2	64.2	64.8	65.4	65.5	65.7	65.7	65.7	65.8	65.9	65.9	65.9	65.9	66.1	66.2
3500	59.0	64.6	65.5	66.2	66.8	66.8	67.1	67.1	67.1	67.2	67.3	67.3	67.3	67.3	67.5	67.6
3000	60.6	66.5	67.5	68.3	68.9	68.9	69.2	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.6	69.7
2500	62.4	68.9	69.9	70.7	71.4	71.4	71.6	71.7	71.7	71.8	71.8	71.8	71.9	71.9	72.1	72.1
2000	64.6	72.0	73.1	74.0	74.7	74.7	75.0	75.1	75.1	75.2	75.2	75.2	75.3	75.3	75.4	75.5
1800	65.7	73.4	74.6	75.5	76.3	76.3	76.6	76.7	76.7	76.8	76.9	76.9	77.0	77.0	77.1	77.2
1500	67.4	76.0	77.4	78.4	79.2	79.3	79.6	79.7	79.8	79.9	79.9	79.9	80.0	80.0	80.2	80.3
1200	69.1	79.0	80.5	81.7	82.7	82.8	83.2	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.7	83.8
1000	70.3	81.0	82.8	84.2	85.3	85.3	85.7	85.9	85.9	86.1	86.1	86.1	86.2	86.2	86.3	86.5
900	70.6	81.9	83.8	85.3	86.6	86.7	87.1	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.7	87.8
800	71.0	83.0	85.1	86.8	88.3	88.5	89.1	89.3	89.3	89.5	89.5	89.5	89.6	89.6	89.8	89.9
700	71.3	83.8	86.1	88.0	89.8	90.0	90.6	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.4	91.5
600	71.5	84.4	86.9	88.9	90.9	91.1	91.9	92.3	92.3	92.6	92.6	92.6	92.7	92.7	92.9	93.0
500	71.6	84.9	87.6	89.9	92.1	92.4	93.5	94.0	94.0	94.4	94.5	94.5	94.7	94.7	94.8	94.9
400	71.6	85.1	87.9	90.3	92.9	93.2	94.5	95.0	95.1	95.7	95.8	95.8	96.0	96.0	96.2	96.3
300	71.6	85.2	88.1	90.6	93.3	93.7	95.2	95.9	95.9	96.7	96.9	96.9	97.2	97.2	97.3	97.5
200	71.6	85.2	88.1	90.7	93.4	93.7	95.4	96.1	96.2	97.2	97.5	97.5	97.9	97.9	98.1	98.3
150	71.6	85.2	88.1	90.7	93.4	93.8	95.4	96.2	96.3	97.4	97.8	97.8	98.4	98.4	98.8	99.1
0	71.6	85.2	88.1	90.7	93.4	93.8	95.4	96.2	96.3	97.4	97.8	97.9	98.4	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATION* 12886

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.6	41.5	41.7	42.0	42.3	42.3	42.4	42.5	42.5	42.7	42.8	42.8	42.8	42.8	42.9	42.9
20000	52.3	56.2	56.6	57.0	57.3	57.3	57.5	57.6	57.6	57.8	57.8	57.8	57.9	57.9	57.9	58.0
18000	52.5	56.4	56.9	57.2	57.5	57.6	57.7	57.8	57.8	58.0	58.0	58.1	58.1	58.1	58.2	58.2
16000	52.6	56.6	57.0	57.4	57.7	57.7	57.9	58.0	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.4
14000	53.6	57.8	58.2	58.6	58.9	58.9	59.1	59.2	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.6
12000	54.7	59.2	59.7	60.1	60.4	60.4	60.5	60.6	60.6	60.8	60.9	60.9	60.9	60.9	61.0	61.0
10000	55.8	60.4	60.9	61.3	61.6	61.6	61.8	61.9	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.3
9000	56.3	61.0	61.5	61.9	62.2	62.2	62.4	62.5	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.9
8000	57.1	61.9	62.5	62.9	63.2	63.2	63.4	63.5	63.5	63.7	63.7	63.8	63.8	63.8	63.9	63.9
7000	57.8	62.8	63.4	63.8	64.1	64.1	64.3	64.4	64.4	64.6	64.7	64.7	64.7	64.7	64.8	64.8
6000	58.8	64.0	64.6	65.0	65.3	65.4	65.6	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.1
5000	60.2	65.8	66.4	66.9	67.2	67.3	67.5	67.6	67.6	67.8	67.8	67.8	67.9	67.9	67.9	68.0
4500	60.8	66.6	67.2	67.7	68.0	68.1	68.2	68.4	68.4	68.6	68.6	68.7	68.7	68.7	68.8	68.8
4000	62.2	68.3	68.9	69.5	69.8	69.8	70.0	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.5	70.5
3500	63.5	69.9	70.5	71.1	71.4	71.4	71.6	71.8	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.2
3000	65.5	72.3	73.1	73.6	74.0	74.0	74.2	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.8
2500	67.6	75.1	75.9	76.5	76.9	77.0	77.2	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.7	77.7
2000	70.7	79.0	79.8	80.5	81.0	81.0	81.3	81.4	81.4	81.7	81.7	81.7	81.8	81.8	81.8	81.9
1800	71.9	80.5	81.4	82.1	82.6	82.6	82.9	83.1	83.1	83.3	83.4	83.4	83.4	83.4	83.5	83.5
1500	73.8	83.2	84.1	84.9	85.4	85.5	85.8	86.0	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.5
1200	75.7	86.0	87.1	88.0	88.5	88.6	89.0	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.7
1000	76.5	87.6	88.8	89.8	90.4	90.5	91.0	91.2	91.2	91.5	91.5	91.5	91.6	91.6	91.7	91.7
900	76.8	88.2	89.5	90.6	91.3	91.3	91.8	92.0	92.0	92.3	92.4	92.4	92.5	92.5	92.5	92.6
800	77.1	89.0	90.4	91.6	92.3	92.4	93.0	93.2	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.8
700	77.4	89.6	91.2	92.6	93.4	93.5	94.2	94.5	94.5	94.8	94.9	94.9	95.0	95.0	95.0	95.1
600	77.5	90.2	91.9	93.4	94.3	94.4	95.1	95.5	95.5	95.9	95.9	95.9	96.0	96.0	96.1	96.1
500	77.6	90.5	92.3	93.9	95.0	95.1	96.0	96.4	96.4	96.8	96.9	96.9	97.1	97.1	97.2	97.2
400	77.6	90.6	92.5	94.2	95.3	95.5	96.6	97.0	97.0	97.6	97.7	97.7	97.9	97.9	98.0	98.0
300	77.7	90.7	92.5	94.3	95.6	95.7	96.9	97.4	97.4	98.1	98.2	98.2	98.4	98.4	98.5	98.5
200	77.7	90.8	92.6	94.4	95.6	95.8	97.0	97.5	97.5	98.3	98.5	98.6	98.8	98.8	98.9	99.0
100	77.7	90.8	92.6	94.4	95.7	95.8	97.0	97.5	97.6	98.4	98.7	98.7	99.0	99.0	99.2	99.3
0	77.7	90.8	92.6	94.4	95.7	95.8	97.0	97.5	97.6	98.4	98.7	98.7	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 14132

ALLEN/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S Y)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	36.1	37.9	38.2	38.3	38.4	38.5	38.5	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.7
≥ 20000	52.1	55.1	55.4	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	52.2	55.2	55.6	55.9	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3
≥ 16000	52.3	55.3	55.7	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4
≥ 14000	53.0	56.1	56.5	56.8	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 12000	54.2	57.5	57.9	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6
≥ 10000	55.7	59.2	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4
≥ 9000	56.4	60.0	60.4	60.7	60.9	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2
≥ 8000	57.4	61.1	61.5	61.8	62.0	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3
≥ 7000	58.0	61.8	62.3	62.6	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1
≥ 6000	58.9	62.9	63.4	63.7	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	60.5	64.8	65.4	65.8	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3
≥ 4500	61.4	65.8	66.4	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3
≥ 4000	62.8	67.6	68.2	68.5	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1
≥ 3500	64.2	69.2	69.8	70.2	70.5	70.5	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	66.7	72.2	72.9	73.3	73.6	73.6	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
≥ 2500	69.6	75.9	76.7	77.1	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.8
≥ 2000	73.0	80.2	81.1	81.5	82.0	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3
≥ 1800	74.4	81.9	82.8	83.3	83.7	83.7	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1
≥ 1500	76.7	84.9	85.9	86.4	86.9	86.9	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.4
≥ 1200	78.9	88.4	89.6	90.2	90.7	90.7	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 1000	79.8	90.5	91.8	92.5	93.1	93.1	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.7
≥ 900	80.1	91.1	92.5	93.3	93.8	93.9	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 800	80.4	91.8	93.4	94.2	94.9	94.9	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.6
≥ 700	80.7	92.4	94.1	95.0	95.8	95.9	96.2	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.7	96.7
≥ 600	80.8	92.8	94.6	95.5	96.4	96.5	96.9	97.0	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.4
≥ 500	80.8	93.2	95.0	96.1	97.1	97.2	97.7	97.9	97.9	98.2	98.3	98.3	98.3	98.4	98.4	98.4
≥ 400	80.9	93.4	95.3	96.4	97.5	97.6	98.2	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.1	99.1
≥ 300	80.9	93.5	95.4	96.5	97.6	97.7	98.4	98.6	98.7	99.1	99.3	99.3	99.3	99.3	99.4	99.4
≥ 200	80.9	93.5	95.4	96.6	97.7	97.8	98.5	98.7	98.8	99.2	99.4	99.4	99.4	99.5	99.5	99.6
≥ 100	80.9	93.5	95.4	96.6	97.7	97.8	98.5	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.7	99.8
≥ 0	80.9	93.5	95.4	96.6	97.7	97.8	98.5	98.8	98.8	99.3	99.5	99.5	99.5	99.7	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS 13680

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.8	40.5	40.7	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.1	41.1
20000	57.0	59.9	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
18000	57.1	60.0	60.3	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
16000	57.1	60.0	60.3	60.5	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
14000	58.2	61.3	61.6	61.8	61.9	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
12000	59.7	62.9	63.2	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
10000	61.3	64.9	65.3	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
9000	61.8	65.6	66.0	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6
8000	62.4	66.4	66.9	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
7000	63.2	67.4	67.8	68.1	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
6000	63.9	68.1	68.6	68.9	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
5000	65.3	69.9	70.4	70.7	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
4500	66.0	70.7	71.2	71.5	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
4000	67.9	73.0	73.5	73.8	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
3500	69.3	74.7	75.3	75.6	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1
3000	71.9	77.6	78.2	78.6	78.8	78.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
2500	74.4	80.8	81.4	81.8	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4
2000	77.5	84.5	85.3	85.7	86.1	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.5	86.5	86.5	86.5
1800	78.5	85.8	86.6	87.0	87.4	87.4	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
1500	80.8	88.6	89.4	89.9	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8
1200	82.5	91.4	92.4	92.9	93.4	93.4	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9
1000	83.7	93.0	94.2	94.9	95.4	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9
900	83.9	93.5	94.8	95.5	96.1	96.1	96.3	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.6
800	84.2	94.1	95.4	96.3	96.9	96.9	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5
700	84.3	94.4	95.8	96.6	97.3	97.4	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0
600	84.3	94.6	96.0	97.0	97.7	97.7	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.5	98.5
500	84.4	94.8	96.3	97.3	98.1	98.1	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0
400	84.4	94.9	96.5	97.5	98.4	98.4	98.9	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4
300	84.4	94.9	96.5	97.6	98.5	98.5	99.0	99.1	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6
200	84.4	94.9	96.5	97.6	98.5	98.5	99.1	99.2	99.2	99.4	99.5	99.5	99.7	99.7	99.7	99.8
100	84.4	94.9	96.5	97.6	98.5	98.5	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.7	99.8	99.8
0	84.4	94.9	96.5	97.6	98.5	98.5	99.1	99.2	99.2	99.5	99.6	99.6	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 14554

ALLIED/EGRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.4	50.1	50.3	50.5	50.5	50.5	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 20000	67.1	69.3	69.5	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 18000	67.1	69.3	69.5	69.8	69.8	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 16000	67.3	69.5	69.7	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 14000	68.3	70.7	70.9	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
IV 12000	70.9	73.4	73.6	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
IV 10000	72.3	74.9	75.1	75.4	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 9000	72.6	75.3	75.5	75.8	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 8000	73.4	76.0	76.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 7000	73.8	76.5	76.7	77.0	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 6000	74.3	77.0	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	75.4	78.3	78.5	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 4500	76.2	79.2	79.4	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4000	78.3	81.3	81.6	81.9	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	79.9	83.1	83.3	83.7	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 3000	81.8	85.1	85.4	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2500	83.8	87.4	87.7	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
IV 2000	85.7	89.5	89.9	90.2	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1800	86.6	90.5	90.9	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1500	88.4	92.6	93.1	93.6	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	89.9	94.4	95.0	95.5	95.6	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	91.0	95.7	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 900	91.4	96.2	96.9	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
IV 800	91.8	96.8	97.4	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	92.0	97.1	97.8	98.3	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
IV 600	92.1	97.3	98.0	98.6	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 500	92.2	97.5	98.3	98.9	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	92.2	97.6	98.4	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
IV 300	92.2	97.6	98.4	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	92.2	97.6	98.5	99.1	99.5	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	92.2	97.7	98.5	99.1	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	92.2	97.7	98.5	99.1	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 14390

ALLIED/EGYT BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	76.4	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 18000	76.6	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 16000	76.9	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 14000	78.4	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 12000	81.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 10000	83.1	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 9000	83.3	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 8000	84.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 7000	84.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 6000	85.1	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 5000	86.4	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	87.0	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 4000	88.5	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3500	89.3	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3000	90.4	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	91.3	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000	92.3	95.0	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	92.7	95.5	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	93.6	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	94.4	97.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	94.9	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	95.0	98.2	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	95.2	98.5	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.4	98.6	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	95.5	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	95.5	98.9	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.5	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.5	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	95.5	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	95.5	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	95.5	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 14875

ALLIED/LGNY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	55.8	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 20000	76.4	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 18000	76.6	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 16000	76.9	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 14000	78.4	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 12000	81.2	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 10000	83.1	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 9000	83.3	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 8000	84.2	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 7000	84.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 6000	85.1	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 5000	86.4	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 4500	87.0	89.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000	88.5	90.9	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500	89.3	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 3000	90.4	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 2500	91.3	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000	92.3	95.0	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	92.7	95.5	95.8	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1500	93.6	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
IV 1200	94.4	97.4	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
IV 1000	94.9	98.0	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 900	95.0	98.2	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 800	95.2	98.5	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 700	95.4	98.6	99.1	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	95.5	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	95.5	98.9	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	95.5	98.9	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	95.5	98.9	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	95.5	98.9	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 14875

ALLIED/ECRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

SEP
NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	52.3	54.2	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 20000	68.7	71.5	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 18000	68.9	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	72.0	72.0
IV 16000	69.2	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 14000	70.6	73.4	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 12000	73.3	76.3	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 10000	74.9	78.1	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 9000	75.5	78.7	79.0	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 8000	76.3	79.7	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 7000	76.8	80.3	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 6000	77.2	80.8	81.1	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 5000	78.2	81.9	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 4500	78.7	82.4	82.8	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 4000	79.9	83.8	84.1	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 3500	80.8	84.8	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3000	82.6	86.7	87.0	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 2500	83.9	88.1	88.5	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000	85.4	89.8	90.3	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800	86.0	90.5	91.0	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 1500	87.3	92.1	92.6	92.8	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 1200	88.5	93.6	94.2	94.5	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1000	89.4	94.9	95.5	95.9	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 900	89.6	95.3	95.9	96.3	96.4	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
IV 800	89.9	95.9	96.6	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
IV 700	90.1	96.2	96.9	97.4	97.6	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 600	90.3	96.6	97.3	97.9	98.2	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 500	90.4	96.9	97.7	98.3	98.7	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	90.4	97.0	97.8	98.5	98.8	98.9	99.2	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	90.4	97.0	97.8	98.5	98.9	99.0	99.3	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	90.4	97.0	97.9	98.5	99.0	99.0	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	90.4	97.0	97.9	98.5	99.0	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9
IV 0	90.4	97.0	97.9	98.5	99.0	99.0	99.4	99.5	99.6	99.8	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 14386

ALLIED/FGRT BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.1	52.5	53.0	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6
≥ 20000	66.5	70.1	70.7	71.0	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5
≥ 18000	66.6	70.3	70.9	71.2	71.3	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7
≥ 16000	66.7	70.4	71.0	71.3	71.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8
≥ 14000	67.6	71.3	71.9	72.2	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.8
≥ 12000	69.6	73.4	74.1	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9
≥ 10000	71.6	75.6	76.2	76.5	76.7	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.1
≥ 9000	72.2	76.3	76.9	77.2	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.8
≥ 8000	72.9	77.1	77.8	78.1	78.3	78.4	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.7
≥ 7000	73.6	77.9	78.6	78.9	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.4	79.5
≥ 6000	74.2	78.6	79.3	79.6	79.8	79.9	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.2	80.2
≥ 5000	75.0	79.8	80.5	80.8	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 4500	75.4	80.2	80.9	81.3	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.9
≥ 4000	76.6	81.6	82.4	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
≥ 3500	77.6	82.7	83.5	83.9	84.1	84.2	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.5	84.5
≥ 3000	79.0	84.3	85.1	85.5	85.7	85.8	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2
≥ 2500	80.4	86.0	86.9	87.2	87.5	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9
≥ 2000	82.1	87.9	88.8	89.3	89.5	89.6	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.0
≥ 1800	82.6	88.6	89.6	90.0	90.2	90.3	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.7	90.7
≥ 1500	83.7	89.9	90.9	91.4	91.6	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 1200	85.1	91.7	92.8	93.3	93.6	93.7	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.2
≥ 1000	85.9	92.9	94.1	94.6	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5
≥ 900	86.2	93.4	94.6	95.2	95.5	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.1
≥ 800	86.6	94.1	95.4	96.0	96.4	96.5	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
≥ 700	86.7	94.5	96.0	96.7	97.0	97.1	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
≥ 600	86.8	94.8	96.3	97.1	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 500	86.9	95.0	96.6	97.4	97.9	98.0	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
≥ 400	87.0	95.2	96.8	97.6	98.2	98.3	98.7	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.2
≥ 300	87.0	95.2	96.8	97.7	98.3	98.4	98.8	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.4	99.4
≥ 200	87.0	95.2	96.9	97.7	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.4	99.5	99.5	99.6	99.7
≥ 100	87.0	95.2	96.9	97.7	98.4	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	99.8
≥ 0	87.0	95.2	96.9	97.7	98.4	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 14875

ALLIED/EGY BUSINES SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.2	41.8	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4
≥ 20000	52.1	54.3	54.7	54.8	55.0	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.6
≥ 18000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 16000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 14000	53.0	55.2	55.6	55.7	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.5
≥ 12000	53.8	56.1	56.5	56.6	56.8	56.8	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.3
≥ 10000	55.4	57.7	58.2	58.3	58.5	58.5	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	59.0
≥ 9000	56.0	58.3	58.8	58.9	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.6
≥ 8000	56.8	59.1	59.6	59.7	59.9	59.9	59.9	59.9	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.4
≥ 7000	57.2	59.5	60.0	60.1	60.3	60.3	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.9
≥ 6000	58.3	60.7	61.1	61.2	61.4	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.0
≥ 5000	59.3	62.4	62.8	62.9	63.1	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.7
≥ 4500	60.4	63.0	63.5	63.7	63.9	63.9	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.5
≥ 4000	61.1	64.1	64.6	64.8	65.0	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.6
≥ 3500	62.1	65.5	66.0	66.3	66.4	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	67.1
≥ 3000	63.3	67.0	67.5	67.8	68.0	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.6
≥ 2500	65.0	68.8	69.5	69.8	69.9	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.6
≥ 2000	67.0	71.4	72.1	72.4	72.6	72.6	72.7	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.3
≥ 1800	68.2	72.9	73.9	74.3	74.5	74.5	74.6	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.2
≥ 1500	69.8	75.3	76.3	76.8	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.8
≥ 1200	71.8	78.5	79.6	80.2	80.5	80.5	80.6	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.2
≥ 1000	72.4	80.1	81.4	82.2	82.6	82.6	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.4
≥ 900	73.0	81.0	82.6	83.4	83.8	83.8	83.9	83.9	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.6
≥ 800	73.2	82.1	83.9	85.0	85.4	85.4	85.9	85.9	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.6
≥ 700	73.3	82.3	84.2	85.5	86.0	86.0	86.4	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.3
≥ 600	73.4	83.0	85.5	87.0	87.5	87.6	88.2	88.3	88.5	88.7	88.9	88.9	88.9	88.9	88.9	89.2
≥ 500	73.7	84.1	87.2	88.8	89.9	90.0	90.5	90.7	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.7
≥ 400	73.7	84.5	87.6	89.5	90.9	91.0	91.8	92.0	92.1	92.5	92.6	92.6	92.7	92.7	92.7	93.0
≥ 300	73.7	84.7	88.0	89.9	91.6	91.7	92.6	92.9	93.0	93.8	93.9	93.9	94.0	94.0	94.0	94.3
≥ 200	73.7	84.8	88.2	90.2	92.1	92.2	93.3	93.7	93.9	94.9	95.4	95.4	95.6	95.6	95.6	96.0
≥ 100	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.6	96.2	96.2	96.9	96.9	97.6	98.1
≥ 0	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.8	96.4	96.4	97.2	97.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

ALLIED/FGT BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	41.4	43.4	43.7	43.8	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.3	44.3
≥ 20000	55.5	58.6	59.1	59.3	59.5	59.5	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.0
≥ 18000	55.6	58.7	59.2	59.4	59.6	59.7	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1
≥ 16000	55.7	58.8	59.2	59.5	59.7	59.7	59.9	59.9	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.2
≥ 14000	56.7	59.8	60.3	60.5	60.8	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.2
≥ 12000	58.0	61.3	61.7	62.0	62.2	62.2	62.4	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.7	62.7
≥ 10000	59.4	62.9	63.4	63.7	63.9	63.9	64.1	64.1	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.4
≥ 9000	59.9	63.4	63.9	64.2	64.5	64.5	64.6	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.0
≥ 8000	60.6	64.2	64.7	65.0	65.3	65.3	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.8	65.8
≥ 7000	61.2	64.9	65.5	65.7	66.0	66.0	66.2	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.5	66.5
≥ 6000	62.0	65.9	66.4	66.7	67.0	67.0	67.2	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.5	67.5
≥ 5000	63.0	67.1	67.7	68.0	68.2	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.8
≥ 4500	64.7	67.8	68.3	68.6	68.9	68.9	69.1	69.1	69.1	69.2	69.3	69.3	69.3	69.4	69.4	69.4
≥ 4000	63.8	69.2	69.8	70.1	70.5	70.5	70.7	70.7	70.7	70.8	70.9	70.9	70.9	70.9	71.0	71.0
≥ 3500	65.9	70.5	71.1	71.4	71.7	71.7	71.9	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.3	72.3
≥ 3000	67.2	72.1	72.8	73.1	73.5	73.5	73.7	73.7	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.0
≥ 2500	69.1	74.5	75.1	75.5	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.5	76.5
≥ 2000	71.0	77.0	77.7	78.2	78.5	78.6	78.8	78.9	78.9	79.0	79.1	79.1	79.1	79.1	79.2	79.2
≥ 1800	71.5	78.0	78.7	79.2	79.5	79.5	79.8	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.2
≥ 1500	72.8	79.8	80.6	81.2	81.6	81.6	81.9	81.9	81.9	82.1	82.1	82.1	82.2	82.2	82.3	82.3
≥ 1200	74.6	82.4	83.4	84.1	84.6	84.6	84.9	85.0	85.0	85.1	85.2	85.2	85.3	85.3	85.3	85.4
≥ 1000	75.3	83.9	85.1	85.8	86.4	86.4	86.8	86.8	86.9	87.1	87.1	87.1	87.2	87.2	87.3	87.3
≥ 900	75.6	84.6	85.8	86.6	87.3	87.3	87.7	87.7	87.8	87.9	88.0	88.0	88.1	88.1	88.2	88.2
≥ 800	75.9	85.5	86.9	87.9	88.7	88.8	89.3	89.4	89.4	89.6	89.7	89.7	89.8	89.8	89.9	89.9
≥ 700	76.2	86.3	87.9	89.0	90.0	90.1	90.6	90.7	90.8	91.0	91.1	91.1	91.3	91.3	91.3	91.4
≥ 600	76.4	87.1	88.8	90.1	91.3	91.4	92.1	92.2	92.3	92.6	92.8	92.8	92.9	92.9	93.0	93.0
≥ 500	76.5	87.6	89.4	90.9	92.1	92.4	93.3	93.5	93.6	94.0	94.2	94.2	94.4	94.4	94.5	94.5
≥ 400	76.6	87.9	89.7	91.3	92.7	93.0	94.3	94.7	94.7	95.4	95.7	95.7	95.9	95.9	95.9	96.0
≥ 300	76.6	88.0	89.8	91.5	93.1	93.3	94.8	95.4	95.5	96.4	96.7	96.7	96.9	97.0	97.0	97.1
≥ 200	76.6	88.0	89.9	91.6	93.3	93.5	95.2	95.9	96.0	97.1	97.5	97.5	97.8	97.8	98.0	98.1
≥ 100	76.6	88.0	89.9	91.6	93.3	93.6	95.3	96.0	96.1	97.2	97.7	97.7	98.2	98.2	98.7	98.9
≥ 0	76.6	88.0	89.9	91.6	93.3	93.6	95.3	96.0	96.1	97.2	97.7	97.7	98.2	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 14659

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.2	41.8	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4
≥ 20000	52.1	54.3	54.7	54.8	55.0	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.6
≥ 18000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 16000	52.1	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.6
≥ 14000	53.0	55.2	55.6	55.7	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.5
≥ 12000	53.8	56.1	56.5	56.6	56.8	56.8	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.3
≥ 10000	55.4	57.7	58.2	58.3	58.5	58.5	58.5	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	59.0
≥ 9000	56.0	58.3	58.8	58.9	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.6
≥ 8000	56.8	59.1	59.6	59.7	59.9	59.9	59.9	59.9	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.4
≥ 7000	57.2	59.5	60.0	60.1	60.3	60.3	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.9
≥ 6000	58.3	60.7	61.1	61.2	61.4	61.4	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.0
≥ 5000	59.3	62.4	62.8	62.9	63.1	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.7
≥ 4500	60.4	63.0	63.5	63.7	63.9	63.9	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.5
≥ 4000	61.1	64.1	64.6	64.8	65.0	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.6
≥ 3500	62.1	65.5	66.0	66.3	66.4	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	67.1
≥ 3000	63.3	67.0	67.5	67.8	68.0	68.0	68.1	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.6
≥ 2500	65.0	68.8	69.5	69.8	69.9	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.6
≥ 2000	67.0	71.4	72.1	72.4	72.6	72.6	72.7	72.7	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.3
≥ 1800	68.2	72.9	73.9	74.3	74.5	74.5	74.6	74.6	74.7	74.8	74.8	74.8	74.9	74.9	74.9	75.2
≥ 1500	69.8	75.3	76.3	76.8	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.8
≥ 1200	71.8	78.5	79.6	80.2	80.5	80.5	80.6	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.2
≥ 1000	72.4	80.1	81.4	82.2	82.6	82.6	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.1	83.4
≥ 900	73.0	81.0	82.6	83.4	83.8	83.8	83.9	83.9	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.6
≥ 800	73.2	82.1	83.9	85.0	85.4	85.4	85.9	85.9	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.6
≥ 700	73.3	82.3	84.2	85.5	86.0	86.0	86.4	86.6	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.3
≥ 600	73.4	83.0	85.5	87.0	87.5	87.6	88.2	88.3	88.5	88.7	88.9	88.9	88.9	88.9	88.9	89.2
≥ 500	73.7	84.1	87.2	88.8	89.9	90.0	90.5	90.7	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.7
≥ 400	73.7	84.5	87.6	89.5	90.9	91.0	91.8	92.0	92.1	92.5	92.6	92.6	92.7	92.7	92.7	93.0
≥ 300	73.7	84.7	88.0	89.9	91.6	91.7	92.6	92.9	93.0	93.8	93.9	93.9	94.0	94.0	94.0	94.3
≥ 200	73.7	84.8	88.2	90.2	92.1	92.2	93.3	93.7	93.9	94.9	95.4	95.4	95.6	95.6	95.6	96.0
≥ 100	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.6	96.2	96.2	96.9	96.9	97.6	98.1
≥ 0	73.7	84.8	88.2	90.3	92.3	92.4	93.5	93.9	94.1	95.8	96.4	96.4	97.2	97.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13926
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	37.0	38.5	38.8	38.9	39.1	39.1	39.2	39.2	39.2	39.3	39.4	39.4	39.4	39.4	39.5	39.8
≥ 20000	47.9	50.2	50.6	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.8
≥ 18000	47.9	50.2	50.6	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.8
≥ 16000	47.9	50.2	50.6	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.5	51.5	51.6	51.8
≥ 14000	48.8	51.1	51.5	51.8	52.0	52.1	52.2	52.2	52.2	52.3	52.3	52.4	52.4	52.5	52.7	
≥ 12000	49.9	52.2	52.6	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.8
≥ 10000	51.4	53.8	54.2	54.5	54.7	54.8	54.9	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.2	55.5
≥ 9000	52.3	54.7	55.1	55.4	55.6	55.7	55.8	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.1	56.4
≥ 8000	53.0	55.4	55.8	56.1	56.3	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.7	56.7	56.8	57.0
≥ 7000	53.6	56.0	56.4	56.6	56.9	56.9	57.0	57.0	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.6
≥ 6000	54.6	57.0	57.4	57.7	57.9	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.6
≥ 5000	55.5	58.1	58.5	58.8	59.0	59.1	59.2	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.5	59.8
≥ 4500	55.8	58.4	58.9	59.3	59.5	59.5	59.6	59.6	59.6	59.7	59.8	59.8	59.9	59.9	59.9	60.2
≥ 4000	57.0	59.8	60.3	60.7	60.9	61.0	61.1	61.1	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.6
≥ 3500	57.8	60.6	61.1	61.5	61.7	61.7	61.9	61.9	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.4
≥ 3000	58.3	61.5	62.0	62.4	62.6	62.6	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.3
≥ 2500	59.9	63.4	64.1	64.5	64.7	64.8	64.9	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.2	65.5
≥ 2000	62.3	66.6	67.3	67.7	68.0	68.0	68.1	68.1	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.7
≥ 1800	63.7	68.3	69.2	69.6	69.8	69.9	70.0	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.3	70.6
≥ 1500	65.4	70.9	71.9	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.9	72.9	73.0	73.0	73.1	73.3
≥ 1200	66.9	73.9	75.1	75.6	76.1	76.1	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.6	76.9
≥ 1000	67.8	75.9	77.4	78.0	78.4	78.5	78.7	78.7	78.7	78.8	78.9	78.9	79.0	79.0	79.1	79.4
≥ 900	68.2	76.8	78.4	79.0	79.5	79.5	79.7	79.7	79.7	79.9	80.0	80.0	80.0	80.0	80.1	80.4
≥ 800	68.9	78.4	80.1	81.3	81.7	81.8	82.1	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.5	82.7
≥ 700	69.1	79.1	81.0	82.2	82.7	82.9	83.2	83.2	83.2	83.3	83.4	83.4	83.5	83.5	83.6	83.9
≥ 600	69.7	80.4	82.8	84.4	85.1	85.2	85.6	85.6	85.6	85.7	85.9	85.9	85.9	85.9	86.0	86.3
≥ 500	69.9	81.0	83.4	85.3	86.5	86.6	87.3	87.3	87.3	87.8	87.9	87.9	88.0	88.0	88.1	88.4
≥ 400	69.9	81.4	84.0	85.9	87.7	87.8	88.7	88.7	88.7	89.4	89.5	89.5	89.6	89.6	89.8	90.0
≥ 300	70.0	81.9	84.4	86.5	88.3	88.5	89.7	89.9	89.9	91.1	91.3	91.3	91.7	91.7	91.9	92.1
≥ 200	70.0	81.9	84.4	86.6	88.7	88.9	90.5	90.7	90.8	92.4	92.8	92.8	93.7	93.7	94.0	94.3
≥ 100	70.0	81.9	84.4	86.6	89.0	89.1	90.9	91.1	91.2	93.0	93.6	93.6	94.9	95.0	96.1	96.7
≥ 0	70.0	81.9	84.4	86.6	89.0	89.1	90.9	91.2	91.2	93.0	93.7	93.7	95.2	95.3	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

1210WS FORM JUL 64 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALLIED/COPY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.9	34.6	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.4	35.4	35.4	35.4	35.4	35.8
≥ 20000	41.7	45.4	45.9	46.2	46.4	46.4	46.5	46.5	46.5	46.6	46.8	46.8	46.8	46.9	46.9	47.5
≥ 18000	41.7	45.4	45.9	46.2	46.4	46.4	46.5	46.5	46.5	46.6	46.8	46.8	46.8	46.9	46.9	47.5
≥ 16000	41.9	45.6	46.1	46.4	46.6	46.6	46.7	46.7	46.7	46.8	47.0	47.0	47.1	47.1	47.4	47.8
≥ 14000	43.8	47.7	48.2	48.4	48.7	48.7	48.7	48.8	48.8	48.8	49.1	49.1	49.2	49.2	49.4	49.8
≥ 12000	45.4	49.3	49.9	50.2	50.4	50.4	50.5	50.5	50.5	50.6	50.8	50.8	50.9	50.9	51.2	51.6
≥ 10000	46.7	50.7	51.3	51.6	51.8	51.8	51.8	51.9	51.9	52.0	52.2	52.2	52.3	52.3	52.5	53.0
≥ 9000	47.2	51.2	51.8	52.1	52.3	52.3	52.3	52.4	52.4	52.5	52.7	52.7	52.8	52.8	53.0	53.5
≥ 8000	48.0	52.1	52.6	53.0	53.2	53.2	53.3	53.3	53.3	53.4	53.6	53.6	53.7	53.7	53.9	54.4
≥ 7000	48.8	52.9	53.4	53.8	54.0	54.0	54.0	54.1	54.1	54.2	54.4	54.4	54.5	54.5	54.7	55.2
≥ 6000	49.2	53.4	53.9	54.3	54.5	54.5	54.6	54.6	54.6	54.7	54.9	54.9	55.0	55.0	55.2	55.7
≥ 5000	50.0	54.4	55.0	55.3	55.5	55.5	55.6	55.6	55.6	55.7	55.9	55.9	56.0	56.0	56.3	56.7
≥ 4500	50.9	55.3	56.0	56.3	56.5	56.5	56.6	56.6	56.6	56.7	56.9	56.9	57.0	57.0	57.3	57.7
≥ 4000	51.6	56.1	56.8	57.2	57.4	57.4	57.5	57.6	57.6	57.6	57.8	57.8	58.0	58.0	58.2	58.6
≥ 3500	52.3	56.8	57.6	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.6	58.6	58.7	58.7	58.9	59.4
≥ 3000	53.0	57.7	58.4	58.8	59.0	59.0	59.1	59.1	59.1	59.2	59.4	59.4	59.5	59.5	59.8	60.2
≥ 2500	55.3	60.2	61.1	61.5	61.7	61.7	61.9	61.9	61.9	62.0	62.2	62.2	62.4	62.4	62.6	63.0
≥ 2000	57.3	63.0	64.0	64.4	64.7	64.7	64.8	64.9	64.9	64.9	65.1	65.1	65.3	65.3	65.5	66.0
≥ 1800	58.2	64.4	65.5	65.9	66.2	66.2	66.3	66.4	66.4	66.4	66.7	66.7	66.8	66.8	67.1	67.5
≥ 1500	59.8	67.2	68.5	69.0	69.4	69.4	69.6	69.7	69.7	69.7	69.9	69.9	70.1	70.1	70.3	70.8
≥ 1200	61.6	70.4	72.2	72.8	73.7	73.9	74.1	74.2	74.2	74.3	74.5	74.5	74.7	74.7	74.9	75.4
≥ 1000	62.8	72.7	74.6	75.3	76.3	76.5	76.7	76.8	76.8	76.9	77.2	77.2	77.4	77.4	77.6	78.1
≥ 900	63.3	73.8	75.8	76.7	77.6	77.9	78.2	78.2	78.2	78.3	78.6	78.7	78.8	78.8	79.1	79.5
≥ 800	63.4	74.4	76.7	77.8	78.7	78.9	79.2	79.3	79.3	79.4	79.7	79.7	79.9	79.9	80.1	80.6
≥ 700	63.8	75.7	78.3	79.5	80.6	80.9	81.4	81.4	81.4	81.6	81.8	81.9	82.1	82.1	82.3	82.7
≥ 600	64.0	76.8	79.7	81.0	82.3	82.6	83.2	83.3	83.3	83.5	83.8	83.9	84.1	84.1	84.3	84.8
≥ 500	64.0	77.4	80.6	82.2	84.0	84.3	85.1	85.2	85.2	85.6	85.9	86.0	86.3	86.3	86.6	87.0
≥ 400	64.1	77.9	81.5	83.2	85.2	85.6	86.8	87.2	87.2	87.6	88.1	88.1	88.7	88.7	89.0	89.5
≥ 300	64.1	78.0	81.8	83.7	86.2	86.6	88.1	88.6	88.6	89.6	90.2	90.2	91.2	91.2	91.6	92.2
≥ 200	64.1	78.2	81.9	83.8	86.4	86.8	88.7	89.4	89.4	90.7	91.6	91.7	93.3	93.3	93.8	94.5
≥ 100	64.1	78.2	81.9	83.8	86.5	86.9	88.8	89.5	89.5	90.9	92.1	92.1	94.2	94.2	95.2	96.5
≥ 0	64.1	78.2	81.9	83.8	86.5	86.9	88.8	89.5	89.5	90.9	92.1	92.2	94.4	94.4	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/FGRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	29.7	31.3	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	
≥ 20000	41.5	44.7	45.0	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.7	
≥ 18000	41.7	44.9	45.1	45.5	45.5	45.5	45.5	45.6	45.6	45.7	45.7	45.7	45.8	45.8	45.9	
≥ 16000	42.2	45.5	45.7	46.0	46.1	46.1	46.1	46.1	46.1	46.3	46.3	46.3	46.3	46.4	46.4	
≥ 14000	44.2	47.7	48.0	48.3	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5	48.6	48.6	48.7	
≥ 12000	46.1	49.9	50.1	50.5	50.5	50.5	50.5	50.6	50.6	50.7	50.7	50.7	50.7	50.8	50.8	
≥ 10000	47.8	51.8	52.0	52.4	52.4	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.8	
≥ 9000	48.3	52.4	52.7	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.5	
≥ 8000	49.1	53.2	53.5	54.0	54.0	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.4	
≥ 7000	49.5	53.9	54.1	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.9	54.9	55.0	
≥ 6000	50.5	54.9	55.2	55.7	55.7	55.7	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0	
≥ 5000	51.1	55.7	56.1	56.6	56.7	56.7	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	57.0	
≥ 4500	51.8	56.4	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6	57.6	57.7	
≥ 4000	52.4	57.2	57.5	58.0	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.5	
≥ 3500	53.6	58.6	59.1	59.6	59.7	59.7	59.7	59.7	59.7	59.9	59.9	59.9	59.9	59.9	60.0	
≥ 3000	54.5	59.9	60.4	60.9	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.3	
≥ 2500	56.6	62.3	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.7	
≥ 2000	58.8	65.5	66.0	66.6	66.8	66.8	66.8	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.2	
≥ 1800	59.6	66.6	67.2	67.8	68.1	68.1	68.2	68.2	68.4	68.4	68.4	68.4	68.5	68.5	68.6	
≥ 1500	61.7	69.6	70.4	71.1	71.5	71.6	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.3	
≥ 1200	63.3	72.5	73.6	74.4	75.0	75.1	75.4	75.5	75.5	75.8	75.8	75.8	75.9	75.9	76.0	
≥ 1000	64.5	74.9	76.0	77.1	77.8	77.9	78.3	78.4	78.4	78.8	78.8	78.8	78.9	78.9	79.0	
≥ 900	64.8	76.1	77.3	78.5	79.3	79.5	80.0	80.1	80.1	80.5	80.5	80.5	80.6	80.6	80.7	
≥ 800	65.2	77.4	79.0	80.5	81.7	82.0	82.4	82.7	82.7	83.1	83.1	83.1	83.2	83.2	83.4	
≥ 700	65.3	78.4	80.0	81.7	83.3	83.6	84.4	84.8	84.8	85.2	85.2	85.2	85.3	85.3	85.4	
≥ 600	65.5	79.1	80.9	82.9	84.8	85.2	86.2	86.7	86.7	87.3	87.5	87.5	87.6	87.6	87.7	
≥ 500	65.6	79.7	81.9	84.5	86.8	87.3	88.8	89.4	89.5	90.7	90.8	90.8	90.9	90.9	91.0	
≥ 400	65.6	80.1	82.4	85.2	87.7	88.2	90.0	90.8	90.8	92.7	93.0	93.0	93.3	93.3	93.7	
≥ 300	65.6	80.1	82.5	85.4	88.2	88.7	91.1	92.0	92.1	94.4	94.9	94.9	95.5	95.5	96.1	
≥ 200	65.6	80.1	82.6	85.5	88.3	88.8	91.2	92.3	92.4	94.8	95.6	95.6	96.4	96.4	97.3	
≥ 100	65.6	80.1	82.6	85.5	88.3	88.8	91.2	92.3	92.4	94.8	95.7	95.7	96.8	96.8	97.9	
≥ 0	65.6	80.1	82.6	85.5	88.3	88.8	91.2	92.3	92.4	94.8	95.8	95.8	96.8	96.9	98.2	

TOTAL NUMBER OF OBSERVATIONS 1766

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 43-45,49-64 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.5	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	49.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	50.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	50.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	52.1	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	54.6	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	57.2	57.2
≥ 10000	55.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 9000	56.0	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 8000	56.9	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	57.6	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 6000	58.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	59.3	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500	59.8	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4000	60.6	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	62.3	65.8	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 3000	64.3	68.0	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 2500	66.9	71.2	71.5	71.5	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2000	69.4	74.1	74.6	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1800	70.3	75.5	75.9	76.0	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1500	72.3	78.6	79.3	79.5	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	74.1	81.4	82.3	82.6	83.0	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1000	75.0	83.4	84.8	85.3	85.7	85.8	86.0	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4
≥ 900	75.2	84.0	85.4	86.0	86.5	86.6	86.8	87.0	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2
≥ 800	75.3	85.1	86.7	87.4	88.1	88.1	88.5	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥ 700	75.6	85.8	87.7	88.6	89.4	89.5	90.0	90.3	90.3	90.5	90.6	90.6	90.8	90.8	90.8	90.8
≥ 600	75.6	86.5	88.5	89.7	90.8	91.1	91.9	92.2	92.2	92.7	92.8	92.8	93.0	93.0	93.0	93.0
≥ 500	75.7	86.9	89.0	90.5	92.0	92.3	93.7	94.3	94.3	95.3	95.4	95.4	95.7	95.7	95.7	95.7
≥ 400	75.7	87.0	89.2	90.8	92.2	92.6	94.3	95.2	95.2	96.7	96.9	96.9	97.2	97.2	97.2	97.2
≥ 300	75.7	87.1	89.4	91.0	92.6	93.0	94.7	95.7	95.8	97.6	98.0	98.0	98.5	98.5	98.5	98.5
≥ 200	75.7	87.1	89.4	91.0	92.6	93.0	94.9	95.9	95.9	98.0	98.4	98.4	99.1	99.1	99.1	99.1
≥ 100	75.7	87.1	89.4	91.0	92.6	93.0	94.9	95.9	95.9	98.0	98.5	98.5	99.3	99.4	99.5	99.8
≥ 0	75.7	87.1	89.4	91.0	92.6	93.0	94.9	95.9	95.9	98.0	98.5	98.5	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

ALLIED/ECRY BUSINESS SYSTEMS

150573

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.3	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000	56.2	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000	56.5	58.2	58.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	56.9	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	58.9	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	60.8	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	62.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 9000	62.5	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000	63.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	63.9	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	64.8	67.3	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 5000	65.9	68.5	68.5	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	66.3	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	67.5	70.1	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	68.5	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3000	70.5	73.7	73.9	74.0	74.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	73.6	77.4	77.6	77.7	77.8	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	75.9	80.2	80.5	80.8	80.9	81.0	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	76.7	81.1	81.5	81.7	81.8	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3
≥ 1500	77.4	82.7	83.0	83.3	83.4	83.5	83.6	83.7	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9
≥ 1200	79.0	85.5	86.1	86.6	86.9	87.0	87.1	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
≥ 1000	79.4	86.6	87.3	87.8	88.2	88.3	88.5	88.7	88.7	89.0	89.0	89.0	89.1	89.1	89.1	89.1
≥ 900	79.7	87.2	88.0	88.5	89.0	89.1	89.4	89.6	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	79.9	87.8	88.7	89.4	89.9	90.0	90.4	90.6	90.6	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 700	80.1	88.3	89.3	90.2	91.0	91.1	91.6	92.0	92.0	92.4	92.4	92.4	92.5	92.5	92.5	92.5
≥ 600	80.1	88.8	89.9	91.1	92.0	92.3	92.8	93.2	93.2	93.7	93.7	93.7	93.9	93.9	93.9	93.9
≥ 500	80.1	89.0	90.2	91.5	92.7	92.9	94.2	94.7	94.7	95.5	95.6	95.6	95.7	95.7	95.7	95.7
≥ 400	80.1	89.0	90.4	92.1	93.3	93.5	95.2	95.7	95.7	96.8	96.8	96.8	97.1	97.1	97.2	97.2
≥ 300	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.6	97.9	97.9	98.5	98.5	98.7	98.7
≥ 200	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.8	98.5	98.5	99.1	99.1	99.5	99.5
≥ 100	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.8	98.6	98.6	99.2	99.2	99.6	99.9
≥ 0	80.1	89.1	90.5	92.2	93.4	93.6	95.4	96.1	96.1	97.9	98.6	98.6	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1758

ALLIED/EGRY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

JAN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.3	41.3	41.4	41.5	41.5	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	58.8	60.6	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	58.9	60.7	60.9	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
≥ 16000	59.3	61.1	61.3	61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	60.7	62.6	62.8	62.9	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	63.0	65.2	65.5	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 10000	64.5	66.7	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 9000	65.0	67.2	67.5	67.6	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000	65.5	67.8	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	66.0	68.3	68.6	68.7	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	66.8	69.3	69.5	69.6	69.6	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	67.6	70.4	70.7	70.9	70.9	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	68.2	70.9	71.3	71.4	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	69.8	73.1	73.6	73.7	73.7	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3500	70.6	74.1	74.6	74.7	74.7	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000	71.7	75.6	76.1	76.3	76.3	76.3	76.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	73.2	78.1	78.6	78.9	78.9	78.9	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3
≥ 2000	74.9	80.9	81.5	81.7	81.8	81.9	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1800	75.7	81.7	82.4	82.6	82.8	82.9	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1500	76.3	82.9	83.7	84.0	84.2	84.3	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
≥ 1200	77.0	83.8	85.9	86.1	86.5	86.6	87.0	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3
≥ 1000	77.6	85.9	87.2	87.6	88.0	88.0	88.7	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	77.8	86.3	87.8	88.3	88.7	88.8	89.8	89.9	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 800	77.9	86.8	88.4	89.1	89.5	89.6	90.7	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 700	78.4	87.9	89.6	90.3	90.8	90.9	92.3	92.5	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 600	78.6	88.3	90.1	91.0	91.7	91.8	93.5	93.7	93.8	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 500	78.6	88.5	90.3	91.3	92.4	92.5	94.4	94.7	94.8	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 400	78.6	88.8	90.7	91.8	93.2	93.2	95.3	95.7	95.7	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 300	78.6	88.9	90.8	92.0	93.3	93.4	95.7	96.1	96.1	97.3	97.4	97.4	97.6	97.6	97.7	97.7
≥ 200	78.6	88.9	90.8	92.0	93.3	93.4	95.9	96.3	96.4	98.0	97.9	97.9	98.3	98.3	98.6	98.7
≥ 100	78.6	88.9	90.8	92.0	93.3	93.4	96.0	96.4	96.4	98.0	98.2	98.2	98.9	98.9	99.1	99.4
≥ 0	78.6	88.9	90.8	92.0	93.3	93.4	96.0	96.4	96.4	98.0	98.2	98.2	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1740

ALLIED/FORG BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45,49-64 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.4	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
≥ 20000	57.5	59.0	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4
≥ 18000	57.6	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 16000	57.6	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 14000	58.3	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
≥ 12000	60.2	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5
≥ 10000	61.6	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0
≥ 9000	62.1	64.1	64.1	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6
≥ 8000	62.8	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2
≥ 7000	63.0	65.0	65.1	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5
≥ 6000	64.5	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 5000	65.2	67.8	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
≥ 4500	65.6	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7
≥ 4000	66.8	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5
≥ 3500	67.9	71.6	71.7	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2
≥ 3000	69.4	73.3	73.4	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0
≥ 2500	70.7	74.8	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5
≥ 2000	72.2	77.1	77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0
≥ 1800	73.1	78.2	78.5	79.0	79.1	79.1	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ 1500	74.7	80.9	81.3	81.8	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.1
≥ 1200	75.6	83.2	83.6	84.3	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8
≥ 1000	76.1	84.9	85.6	86.3	86.4	86.4	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0
≥ 900	76.4	85.7	86.6	87.4	87.5	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 800	76.7	86.4	87.3	88.3	88.4	88.4	88.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1
≥ 700	76.7	86.8	87.8	88.8	89.0	89.0	89.2	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.9
≥ 600	77.0	87.7	88.9	90.2	90.6	90.6	91.0	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.7	91.7
≥ 500	77.1	88.3	89.7	91.4	92.0	92.0	92.4	92.9	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4
≥ 400	77.2	89.0	90.5	92.2	93.2	93.2	93.9	94.5	94.5	94.9	95.0	95.0	95.1	95.1	95.2	95.2
≥ 300	77.2	89.1	90.8	92.6	93.6	93.6	94.9	95.5	95.5	96.2	96.3	96.3	96.5	96.5	96.7	96.7
≥ 200	77.2	89.1	90.8	92.6	93.8	93.8	95.2	95.7	95.8	96.7	97.0	97.0	97.2	97.2	97.4	97.4
≥ 100	77.2	89.1	90.8	92.6	93.8	93.8	95.3	95.9	95.9	97.3	97.6	97.6	98.1	98.1	98.3	98.5
≥ 0	77.2	89.1	90.8	92.6	93.8	93.8	95.3	95.9	95.9	97.3	97.7	97.7	98.2	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1740

ALLIED/FGW BUSINESS SYSTEMS

150522

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	40.5	43.6	43.8	43.9	44.6	44.6	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.9	
IV 20000	50.3	54.4	54.7	55.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.4	
IV 18000	50.3	54.4	54.7	55.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.4	
IV 12000	50.3	54.4	54.7	55.1	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.4	
IV 14000	50.6	55.0	55.3	55.6	56.5	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	57.0	
IV 12000	51.3	56.4	56.7	57.0	58.0	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.5	
IV 10000	52.7	57.5	57.9	58.2	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.6	
IV 9000	53.3	58.1	58.4	58.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.1	
IV 8000	54.6	59.7	60.0	60.3	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.8	
IV 7000	55.4	60.5	60.8	61.1	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.6	
IV 6000	56.0	61.0	61.3	61.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	63.1	
IV 5000	57.1	62.3	62.6	62.9	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.4	
IV 4500	57.6	63.1	63.4	63.7	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.3	
IV 4000	58.8	64.4	64.8	65.1	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.7	
IV 3500	59.8	65.7	66.0	66.4	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	68.0	
IV 3000	61.3	67.3	67.8	68.2	69.2	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.7	
IV 2500	62.5	68.7	69.2	69.6	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	71.2	
IV 2000	64.7	71.6	72.4	72.8	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.5	
IV 1800	65.7	73.1	74.1	74.4	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	76.1	
IV 1500	67.8	75.9	77.0	77.4	78.6	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.2	
IV 1200	69.6	78.7	80.1	80.8	82.2	82.2	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.9	
IV 1000	70.8	81.3	82.9	83.7	85.1	85.1	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.8	
IV 900	71.5	82.7	84.5	85.3	86.8	86.8	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.6	
IV 800	72.1	84.4	86.3	87.3	89.0	89.0	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.8	
IV 700	72.3	84.9	87.2	88.1	90.0	90.0	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.9	
IV 600	72.4	85.2	87.8	89.1	91.2	91.2	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	92.1	
IV 500	72.6	86.0	89.1	90.8	92.9	92.9	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.4	
IV 400	72.6	86.2	89.3	91.1	93.7	93.7	94.5	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.5	
IV 300	72.6	86.2	89.6	91.7	94.5	94.6	95.8	96.1	96.1	96.7	96.8	96.8	96.8	96.8	97.1	
IV 200	72.6	86.2	89.6	91.9	94.7	94.8	96.1	96.5	96.5	97.5	97.6	97.6	97.6	97.6	98.0	
IV 100	72.6	86.2	89.6	91.9	94.7	94.8	96.2	96.5	96.5	97.9	98.1	98.1	98.5	98.5	99.1	
IV 0	72.6	86.2	89.6	91.9	94.7	94.8	96.2	96.5	96.5	97.9	98.1	98.1	98.5	98.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 1611

1210WS FORM JUL 64 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALLIED/EGRY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	36.9	40.8	41.3	41.7	41.8	41.8	42.0	42.1	42.1	42.1	42.2	42.2	42.2	42.3	42.3	42.5	42.5
≥ 20000	44.8	49.3	50.0	50.5	50.8	50.8	51.1	51.1	51.1	51.3	51.3	51.3	51.5	51.5	51.6	51.7	
≥ 18000	44.8	49.3	50.0	50.5	50.8	50.8	51.1	51.1	51.1	51.3	51.3	51.3	51.5	51.5	51.6	51.7	
≥ 16000	44.8	49.3	50.0	50.5	50.8	50.8	51.1	51.1	51.1	51.3	51.3	51.3	51.5	51.5	51.6	51.7	
≥ 14000	45.1	49.5	50.3	50.8	51.1	51.1	51.3	51.4	51.4	51.5	51.6	51.6	51.7	51.7	51.9	52.0	
≥ 12000	46.2	50.8	51.6	52.1	52.5	52.5	52.8	52.8	52.8	52.9	53.0	53.0	53.1	53.1	53.3	53.4	
≥ 10000	46.9	51.6	52.5	52.9	53.3	53.3	53.6	53.6	53.6	53.8	53.8	53.8	53.9	53.9	54.1	54.2	
≥ 9000	47.7	52.5	53.3	53.8	54.1	54.1	54.4	54.4	54.4	54.6	54.6	54.6	54.7	54.7	54.9	55.0	
≥ 8000	48.9	53.8	54.8	55.3	55.7	55.7	55.9	56.0	56.0	56.1	56.2	56.2	56.3	56.3	56.5	56.7	
≥ 7000	49.8	54.8	55.8	56.3	56.7	56.7	56.9	57.0	57.0	57.1	57.2	57.2	57.3	57.3	57.7	57.8	
≥ 6000	50.3	55.8	56.9	57.4	57.8	57.8	58.1	58.2	58.2	58.3	58.3	58.3	58.5	58.5	58.8	59.0	
≥ 5000	51.2	57.0	58.3	58.8	59.2	59.2	59.5	59.6	59.6	59.7	59.8	59.8	59.9	59.9	60.3	60.4	
≥ 4500	51.5	57.4	58.8	59.3	59.7	59.7	60.0	60.1	60.1	60.2	60.3	60.3	60.4	60.4	60.8	60.9	
≥ 4000	52.1	58.2	59.7	60.1	60.7	60.7	61.0	61.1	61.1	61.2	61.3	61.3	61.4	61.4	61.8	61.9	
≥ 3500	52.8	59.3	60.8	61.3	61.8	61.8	62.1	62.2	62.2	62.4	62.4	62.4	62.6	62.6	62.9	63.1	
≥ 3000	54.0	60.8	62.4	63.0	63.6	63.6	63.9	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.7	64.8	
≥ 2500	56.0	63.2	64.8	65.6	66.3	66.3	66.7	66.7	66.7	66.9	67.0	67.0	67.1	67.1	67.5	67.6	
≥ 2000	58.2	66.2	67.8	68.7	69.4	69.4	69.8	69.8	69.8	70.0	70.1	70.1	70.2	70.2	70.6	70.7	
≥ 1800	59.8	68.4	70.0	71.1	71.9	71.9	72.3	72.4	72.4	72.6	72.6	72.6	72.7	72.7	73.1	73.2	
≥ 1500	61.9	70.9	72.6	73.6	74.5	74.5	74.9	75.0	75.0	75.2	75.2	75.2	75.4	75.4	75.7	75.9	
≥ 1200	63.7	73.9	75.8	76.9	78.1	78.1	78.5	78.6	78.6	78.8	78.8	78.8	79.0	79.0	79.3	79.5	
≥ 1000	65.0	75.9	78.2	79.3	80.6	80.6	81.0	81.1	81.1	81.3	81.4	81.4	81.5	81.5	81.9	82.0	
≥ 900	65.5	77.0	79.3	80.5	81.9	81.9	82.3	82.4	82.4	82.6	82.7	82.7	82.8	82.8	83.2	83.3	
≥ 800	66.4	79.1	81.4	82.9	84.4	84.4	84.9	85.0	85.0	85.3	85.4	85.4	85.5	85.5	85.8	86.0	
≥ 700	67.0	80.4	82.8	84.6	86.4	86.5	87.1	87.2	87.2	87.5	87.5	87.5	87.6	87.6	88.0	88.1	
≥ 600	67.2	81.3	84.0	86.1	88.2	88.3	89.0	89.1	89.1	89.4	89.5	89.5	89.6	89.6	90.0	90.1	
≥ 500	67.3	81.8	84.9	87.0	89.4	89.5	90.6	90.8	90.8	91.2	91.3	91.3	91.5	91.5	91.9	92.0	
≥ 400	67.3	82.1	85.4	87.8	90.6	90.8	92.2	92.6	92.6	93.1	93.2	93.2	93.5	93.5	93.9	94.0	
≥ 300	67.3	82.1	85.6	88.1	91.1	91.2	93.0	93.6	93.6	94.2	94.4	94.4	94.7	94.7	95.0	95.2	
≥ 200	67.3	82.1	85.7	88.3	91.4	91.6	93.5	94.2	94.2	95.4	95.7	95.7	96.0	96.0	96.4	96.5	
≥ 100	67.3	82.2	85.8	88.3	91.4	91.6	93.7	94.4	94.5	96.0	96.6	96.6	97.1	97.1	97.8	98.0	
≥ 0	67.3	82.2	85.8	88.3	91.4	91.6	93.7	94.4	94.5	96.0	96.6	96.7	97.4	97.4	98.31	100.0	

TOTAL NUMBER OF OBSERVATIONS

1611

ALLIED/FORT BUSINESS SYSTEMS
 150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

FEB
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.0	34.8	35.1	35.5	35.8	35.8	36.2	36.3	36.3	36.4	36.4	36.4	36.6	36.6	36.9	37.0
≥ 20000	38.5	43.0	43.6	44.4	44.7	44.8	45.2	45.3	45.3	45.4	45.5	45.5	45.8	45.8	46.1	46.3
≥ 18000	38.8	43.3	43.9	44.6	44.9	45.0	45.4	45.6	45.6	45.7	45.7	45.7	46.1	46.1	46.3	46.6
≥ 16000	38.9	43.3	43.9	44.7	45.0	45.1	45.5	45.6	45.6	45.7	45.8	45.8	46.1	46.1	46.4	46.6
≥ 14000	39.4	43.9	44.6	45.3	45.6	45.7	46.1	46.2	46.2	46.4	46.4	46.4	46.7	46.7	47.0	47.2
≥ 12000	40.6	45.4	46.1	46.9	47.2	47.3	47.7	47.9	47.9	48.0	48.0	48.0	48.4	48.4	48.6	48.9
≥ 10000	41.8	46.7	47.5	48.4	48.7	48.8	49.2	49.3	49.3	49.5	49.5	49.5	49.9	49.9	50.2	50.5
≥ 9000	42.6	47.5	48.3	49.2	49.5	49.6	50.0	50.2	50.2	50.3	50.3	50.3	50.7	50.7	51.0	51.3
≥ 8000	43.3	48.5	49.3	50.2	50.5	50.6	51.0	51.1	51.1	51.3	51.3	51.3	51.7	51.7	52.0	52.3
≥ 7000	44.6	50.0	50.8	51.7	52.1	52.1	52.6	52.7	52.7	52.8	52.9	52.9	53.3	53.3	53.6	53.9
≥ 6000	45.4	51.2	52.3	53.1	53.5	53.6	54.0	54.1	54.1	54.3	54.3	54.3	54.7	54.7	55.0	55.3
≥ 5000	46.3	52.4	53.5	54.4	54.8	54.9	55.4	55.5	55.5	55.6	55.7	55.7	56.1	56.1	56.4	56.7
≥ 4500	46.6	52.7	53.8	54.8	55.2	55.2	55.7	55.9	55.9	56.0	56.1	56.1	56.4	56.4	56.7	57.0
≥ 4000	47.0	53.3	54.8	55.8	56.2	56.2	56.7	56.9	56.9	57.0	57.0	57.0	57.4	57.4	57.7	58.0
≥ 3500	47.9	53.9	56.1	57.0	57.4	57.5	58.0	58.1	58.1	58.2	58.3	58.3	58.7	58.7	59.0	59.3
≥ 3000	49.6	56.6	58.2	59.3	59.7	59.7	60.2	60.3	60.3	60.5	60.5	60.5	60.9	60.9	61.2	61.5
≥ 2500	51.0	58.8	60.4	61.6	62.1	62.1	62.6	62.8	62.8	62.9	62.9	62.9	63.3	63.3	63.6	63.9
≥ 2000	52.6	61.8	63.4	64.7	65.2	65.2	65.7	65.9	65.9	66.0	66.1	66.1	66.5	66.5	66.8	67.1
≥ 1800	53.9	63.2	64.9	66.4	66.9	66.9	67.4	67.6	67.6	67.7	67.8	67.8	68.2	68.2	68.5	68.8
≥ 1500	55.9	66.0	67.9	69.5	70.1	70.2	70.7	70.9	70.9	71.1	71.1	71.1	71.5	71.5	71.8	72.1
≥ 1200	58.1	69.4	71.3	73.2	73.9	73.9	74.5	74.7	74.7	74.9	75.0	75.0	75.4	75.4	75.7	76.0
≥ 1000	59.5	72.1	74.1	76.0	77.0	77.0	77.7	78.0	78.0	78.2	78.2	78.2	78.6	78.6	79.0	79.3
≥ 900	60.1	73.6	75.6	77.8	79.0	79.0	79.8	80.1	80.1	80.3	80.4	80.4	80.8	80.8	81.1	81.4
≥ 800	60.8	74.9	77.2	79.6	80.9	81.1	82.2	82.5	82.5	82.7	82.7	82.7	83.2	83.2	83.5	83.8
≥ 700	61.6	76.3	78.7	81.2	83.0	83.1	84.3	84.6	84.6	84.8	84.9	84.9	85.3	85.3	85.6	85.9
≥ 600	61.7	77.2	79.6	82.3	84.4	84.5	85.9	86.3	86.3	86.7	86.7	86.7	87.2	87.2	87.5	87.8
≥ 500	61.8	77.8	80.8	83.9	86.5	86.6	88.3	88.8	88.9	89.6	89.8	89.8	90.4	90.4	90.8	91.1
≥ 400	61.8	78.0	81.2	84.5	87.5	87.6	89.6	90.2	90.3	91.2	91.5	91.5	92.3	92.3	92.7	93.0
≥ 300	61.8	78.0	81.3	84.7	88.0	88.1	90.3	91.1	91.2	92.6	92.8	92.8	94.0	94.0	94.4	94.7
≥ 200	61.8	78.0	81.3	84.8	88.1	88.2	90.5	91.5	91.6	93.2	93.5	93.5	95.0	95.2	95.6	95.9
≥ 100	61.8	78.0	81.3	84.8	88.1	88.2	90.5	91.5	91.6	93.6	94.0	94.0	95.7	95.7	96.6	97.5
≥ 0	61.8	78.0	81.3	84.8	88.1	88.2	90.5	91.5	91.6	93.7	94.1	94.1	95.7	95.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1611

ALLIED/TEERY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	30.5	32.8	33.7	34.0	34.4	34.4	34.5	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.9
≥ 20000	41.3	44.0	45.0	45.6	46.2	46.2	46.5	46.6	46.6	46.7	46.8	46.8	46.9	46.9	46.9	46.9
≥ 18000	41.4	44.1	45.1	45.7	46.4	46.4	46.6	46.7	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.1
≥ 16000	41.4	44.1	45.1	45.7	46.4	46.4	46.6	46.7	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.1
≥ 14000	42.3	45.0	46.1	46.7	47.3	47.3	47.5	47.6	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.1
≥ 12000	43.7	46.6	47.6	48.2	48.9	48.9	49.1	49.2	49.2	49.3	49.5	49.5	49.6	49.6	49.6	49.7
≥ 10000	45.4	48.5	49.7	50.3	51.0	51.0	51.3	51.3	51.3	51.5	51.7	51.7	51.8	51.8	51.8	51.8
≥ 9000	46.3	49.4	50.5	51.1	51.8	51.9	52.1	52.2	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.7
≥ 8000	46.9	50.2	51.3	52.0	52.6	52.7	52.9	53.0	53.0	53.2	53.4	53.4	53.4	53.4	53.4	53.5
≥ 7000	48.0	51.7	52.9	53.5	54.2	54.3	54.5	54.6	54.6	54.7	54.9	54.9	55.0	55.0	55.0	55.1
≥ 6000	48.7	52.6	53.9	54.5	55.2	55.2	55.5	55.6	55.6	55.7	55.9	55.9	56.0	56.0	56.0	56.1
≥ 5000	49.5	53.7	55.1	55.7	56.4	56.5	56.7	56.8	56.8	57.0	57.2	57.2	57.2	57.2	57.2	57.3
≥ 4500	49.8	54.2	55.6	56.4	57.0	57.1	57.4	57.4	57.4	57.6	57.8	57.8	57.9	57.9	57.9	57.9
≥ 4000	50.3	54.9	56.4	57.1	57.8	57.9	58.2	58.2	58.2	58.4	58.6	58.6	58.7	58.7	58.7	58.7
≥ 3500	50.9	55.9	57.4	58.2	58.8	59.0	59.2	59.3	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.8
≥ 3000	52.0	57.2	58.8	59.6	60.3	60.4	60.6	60.7	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.2
≥ 2500	52.9	58.8	60.5	61.3	62.1	62.2	62.4	62.5	62.5	62.7	62.9	62.9	62.9	62.9	62.9	63.0
≥ 2000	55.9	62.9	64.7	65.5	66.4	66.5	66.7	66.8	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.3
≥ 1800	57.0	64.2	66.0	66.9	67.7	67.8	68.1	68.2	68.2	68.4	68.6	68.6	68.7	68.7	68.7	68.7
≥ 1500	59.2	67.5	69.5	70.4	71.2	71.4	71.7	71.8	71.8	72.0	72.2	72.2	72.3	72.3	72.3	72.3
≥ 1200	61.3	71.1	73.2	74.2	75.2	75.5	75.7	75.8	75.9	76.0	76.2	76.2	76.3	76.3	76.3	76.4
≥ 1000	63.0	74.0	76.5	77.7	79.1	79.4	79.7	79.8	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.4
≥ 900	63.3	75.0	77.7	79.0	80.9	81.3	81.6	81.8	81.9	82.1	82.2	82.2	82.3	82.3	82.3	82.4
≥ 800	64.3	77.1	80.2	81.6	83.7	84.1	84.4	85.0	85.0	85.2	85.4	85.4	85.5	85.5	85.5	85.5
≥ 700	64.8	78.0	81.4	83.2	85.4	86.0	86.7	87.1	87.2	87.3	87.5	87.5	87.6	87.6	87.6	87.6
≥ 600	65.1	78.9	82.6	84.5	87.0	87.7	88.8	89.3	89.4	89.8	89.9	89.9	90.1	90.1	90.1	90.1
≥ 500	65.2	79.7	83.6	86.0	89.0	89.6	91.1	91.8	92.0	92.4	92.6	92.6	92.9	92.9	92.9	93.0
≥ 400	65.2	79.8	83.7	86.0	89.4	90.4	92.2	93.0	93.2	93.9	94.2	94.2	94.5	94.5	94.7	94.7
≥ 300	65.3	80.0	83.9	86.4	89.9	90.9	93.2	94.2	94.4	95.4	95.7	95.7	96.2	96.2	96.3	96.5
≥ 200	65.3	80.0	83.9	86.4	89.9	90.9	93.5	94.5	94.7	96.0	96.6	96.6	97.3	97.4	97.7	97.9
≥ 100	65.3	80.0	83.9	86.4	89.9	90.9	93.5	94.5	94.7	96.2	96.7	96.7	97.5	97.6	98.4	99.1
≥ 0	65.3	80.0	83.9	86.4	89.9	90.9	93.5	94.5	94.7	96.2	96.8	96.8	97.5	97.8	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1611

ALLIED/EGW BUSINESS SYSTEMS 150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.5	37.3	37.5	37.9	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4
≥ 20000	48.4	50.8	51.3	51.8	52.0	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4
≥ 18000	48.6	50.9	51.4	51.9	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
≥ 16000	48.8	51.1	51.6	52.1	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.7
≥ 14000	49.7	52.2	52.7	53.2	53.5	53.5	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9	53.9	53.9
≥ 12000	50.9	53.5	54.1	54.7	54.9	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3
≥ 10000	52.2	55.2	55.7	56.3	56.5	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9
≥ 9000	52.4	55.5	56.1	56.7	57.0	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	53.1	56.1	57.0	57.6	57.9	57.9	58.1	58.1	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.3
≥ 7000	54.0	57.4	58.2	58.9	59.2	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6
≥ 6000	54.7	58.2	59.0	59.7	60.0	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.4
≥ 5000	55.3	58.9	59.9	60.6	60.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3
≥ 4500	56.1	59.8	60.8	61.5	61.9	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 4000	56.8	60.6	61.6	62.3	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
≥ 3500	58.0	61.7	62.8	63.5	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 3000	59.8	64.3	65.3	66.1	66.5	66.5	66.8	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0
≥ 2500	62.9	68.1	69.2	69.9	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
≥ 2000	66.1	71.9	73.0	73.8	74.2	74.3	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800	67.5	73.4	74.5	75.3	75.8	75.9	76.3	76.3	76.3	76.4	76.4	76.4	76.5	76.5	76.5	76.5
≥ 1500	69.7	76.8	78.3	79.2	79.7	79.8	80.2	80.2	80.3	80.4	80.4	80.4	80.5	80.5	80.5	80.5
≥ 1200	72.4	81.2	82.9	83.9	84.3	84.5	85.0	85.0	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.3
≥ 1000	74.1	84.2	86.3	87.3	87.9	88.0	88.6	88.6	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥ 900	74.3	84.7	86.8	88.1	88.9	89.1	89.7	89.7	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 800	74.5	85.2	87.7	89.3	90.5	90.7	91.4	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7
≥ 700	74.7	86.3	88.9	90.7	92.2	92.5	93.2	93.4	93.4	93.5	93.5	93.5	93.7	93.7	93.7	93.7
≥ 600	74.8	86.7	89.5	91.5	93.1	93.5	94.6	95.0	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 500	74.8	87.0	90.0	92.3	94.3	94.7	96.0	96.6	96.6	96.8	96.9	96.9	97.0	97.0	97.1	97.1
≥ 400	74.8	87.2	90.3	92.7	94.8	95.3	96.8	97.4	97.5	97.9	98.0	98.0	98.1	98.1	98.1	98.1
≥ 300	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.2	98.3	98.8	99.1	99.1	99.3	99.3	99.3	99.3
≥ 200	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.4	98.4	99.1	99.6	99.6	99.7	99.7	99.8	99.8
≥ 100	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.4	98.4	99.1	99.6	99.6	99.8	99.8	99.9	99.9
≥ 0	74.8	87.3	90.4	92.9	95.1	95.7	97.5	98.4	98.4	99.1	99.6	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1610

ALLIED/BERRY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.1	36.7	36.9	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	52.6	54.9	55.2	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	52.6	55.0	55.4	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 16000	52.8	55.2	55.6	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	53.9	56.5	56.9	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 12000	55.4	58.0	58.4	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 10000	57.2	60.2	60.6	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	57.7	60.7	61.1	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	58.5	61.6	62.0	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	59.6	62.8	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	60.3	63.8	64.2	65.0	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 5000	61.5	65.0	65.5	66.4	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500	62.1	65.6	66.2	67.0	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	64.0	68.2	68.8	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	65.4	69.8	70.4	71.2	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	67.8	72.7	73.3	74.2	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2500	70.9	76.6	77.2	78.1	78.5	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2000	73.1	79.7	80.3	81.3	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1800	73.7	80.6	81.3	82.3	82.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1500	75.1	83.1	84.0	85.2	85.7	85.7	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	76.7	85.6	86.8	88.2	88.9	89.0	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
≥ 1000	77.6	87.5	88.8	90.4	91.1	91.2	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0
≥ 900	77.7	87.7	89.3	90.9	91.8	91.9	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	77.7	88.1	89.7	91.8	93.0	93.2	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.2
≥ 700	77.7	88.8	90.6	92.9	94.3	94.5	95.3	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0
≥ 600	77.7	89.0	90.9	93.5	94.9	95.1	96.0	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9
≥ 500	77.8	89.3	91.2	93.8	95.3	95.5	96.8	97.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.9
≥ 400	77.8	89.7	91.7	94.4	96.0	96.4	97.8	98.4	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.1
≥ 300	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.8
≥ 200	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.9
≥ 100	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.9
≥ 0	77.8	89.8	91.7	94.5	96.3	96.7	98.2	98.9	98.9	99.4	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1611

ALLIED/EGW BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	20.6	42.0	42.2	42.7	43.0	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	55.7	59.0	59.3	59.9	60.4	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000	55.8	59.1	59.4	60.1	60.5	60.5	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 16000	56.3	59.6	59.9	60.6	61.0	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	57.0	60.6	60.8	61.5	61.9	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	58.6	62.2	62.5	63.2	63.7	63.7	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000	60.6	64.3	64.7	65.3	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 9000	61.0	64.8	65.1	65.8	66.3	66.3	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 8000	62.5	66.4	66.7	67.5	68.0	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 7000	63.0	67.1	67.5	68.3	68.8	68.8	68.9	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	64.1	68.7	69.1	69.8	70.3	70.3	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	65.6	70.5	71.0	71.7	72.2	72.2	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	66.5	71.4	71.9	72.7	73.2	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4000	68.2	73.9	74.5	75.2	75.7	75.7	75.8	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3500	69.6	75.7	76.2	77.0	77.5	77.5	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	70.9	77.4	78.1	78.9	79.4	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500	72.5	79.6	80.2	81.1	81.7	81.7	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	73.9	81.8	82.5	83.4	84.2	84.2	84.3	84.5	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7
≥ 1800	74.8	83.0	83.9	84.8	85.5	85.5	85.7	85.9	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1
≥ 1500	75.7	84.7	85.6	86.6	87.5	87.5	87.8	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2
≥ 1200	76.4	86.5	87.7	89.1	90.1	90.2	90.4	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9
≥ 1000	76.9	87.2	88.7	90.3	91.4	91.4	91.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 900	76.9	87.3	88.8	90.5	91.9	92.0	92.3	92.5	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 800	76.9	87.8	89.5	91.3	93.1	93.3	93.9	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4
≥ 700	76.9	88.2	90.1	92.0	93.9	94.0	94.6	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	77.0	88.6	90.5	92.5	94.5	94.7	95.3	95.9	95.9	96.4	96.4	96.4	96.5	96.5	96.6	96.6
≥ 500	77.1	88.9	90.9	92.9	95.2	95.4	96.1	96.8	96.8	97.5	97.5	97.5	97.6	97.6	97.6	97.6
≥ 400	77.1	89.2	91.2	93.3	95.6	95.8	96.6	97.3	97.3	98.2	98.2	98.2	98.3	98.3	98.4	98.4
≥ 300	77.1	89.3	91.4	93.5	95.8	96.1	97.0	97.7	97.7	98.6	98.6	98.6	98.9	98.9	99.0	99.0
≥ 200	77.1	89.3	91.4	93.5	95.8	96.1	97.1	97.8	97.8	98.8	98.8	98.8	99.0	99.0	99.3	99.3
≥ 100	77.1	89.3	91.4	93.5	95.8	96.1	97.1	97.8	97.8	98.8	98.8	98.8	99.1	99.1	99.4	99.4
≥ 0	77.1	89.3	91.4	93.5	95.8	96.1	97.1	97.8	97.8	98.8	98.8	98.8	99.1	99.1	99.4	99.6

ALLIED/GRY BUSINESS SYSTEMS
150023

TOTAL NUMBER OF OBSERVATIONS 1610

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	42.3	46.0	46.1	46.4	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.3	47.3
≥ 20000	55.4	59.8	60.1	60.8	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0
≥ 18000	55.4	59.8	60.1	60.8	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0
≥ 16000	55.4	59.9	60.2	60.8	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	62.1	62.1
≥ 14000	55.9	60.3	60.6	61.3	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.5	62.5
≥ 12000	56.7	61.5	61.8	62.4	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.6	63.6
≥ 10000	57.9	63.1	63.4	64.0	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.2	65.2
≥ 9000	58.7	63.9	64.2	64.8	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	66.0	66.0
≥ 8000	59.7	65.1	65.4	66.0	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.2	67.2
≥ 7000	60.6	66.0	66.4	67.0	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.2	68.2
≥ 6000	61.5	67.0	67.3	67.9	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.1	69.1
≥ 5000	63.5	69.3	69.8	70.4	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.7	71.7
≥ 4500	64.2	70.2	70.8	71.5	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.8	72.8
≥ 4000	65.9	72.3	72.7	73.5	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.8	74.8
≥ 3500	67.7	74.1	74.5	75.3	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.6	76.6
≥ 3000	69.2	75.9	76.3	77.0	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.3	78.3
≥ 2500	70.3	77.3	77.8	78.5	79.3	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.8	79.8
≥ 2000	72.1	79.9	80.5	81.5	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.1	83.1
≥ 1800	72.9	81.3	82.1	83.1	84.0	84.0	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.0	85.0
≥ 1500	73.9	83.4	84.4	85.5	86.6	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.6	87.6
≥ 1200	74.9	85.3	86.4	87.6	88.8	88.8	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.9	89.9
≥ 1000	75.2	86.1	87.3	88.6	89.9	89.9	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	91.0	91.0
≥ 900	75.5	87.0	88.5	90.0	91.4	91.4	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.6	92.6
≥ 800	75.5	87.4	89.0	90.4	92.2	92.2	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.5	93.5
≥ 700	75.5	87.7	89.4	90.9	92.9	92.9	93.0	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	94.2	94.2
≥ 600	75.7	88.1	89.9	91.4	93.5	93.5	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.0	95.0
≥ 500	75.9	88.6	90.5	92.2	94.7	94.8	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.5	96.5
≥ 400	75.9	88.7	90.7	92.7	95.3	95.4	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.5	97.5
≥ 300	76.0	88.9	91.0	93.1	95.8	95.9	96.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.7	97.7
≥ 200	76.0	88.9	91.0	93.2	95.9	96.0	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 100	76.0	89.0	91.1	93.2	96.0	96.1	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.8	98.8
≥ 0	76.0	89.0	91.1	93.2	96.0	96.1	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 1611

ALLIED/EGW BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.0	45.2	45.4	45.8	45.9	45.9	46.0	46.2	46.2	46.5	46.6	46.6	46.6	46.6	46.7	46.8
≥ 20000	53.9	57.5	57.8	58.3	58.5	58.5	58.7	58.8	58.8	59.2	59.3	59.3	59.3	59.3	59.4	59.5
≥ 18000	54.0	57.6	57.9	58.4	58.6	58.6	58.8	58.9	58.9	59.3	59.4	59.4	59.4	59.4	59.5	59.6
≥ 16000	54.0	57.6	58.0	58.4	58.7	58.7	58.8	59.0	59.0	59.4	59.5	59.5	59.5	59.5	59.6	59.6
≥ 14000	54.8	59.2	59.6	60.0	60.2	60.2	60.4	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.2	61.2
≥ 12000	55.7	60.5	60.9	61.3	61.6	61.6	61.7	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.5	62.5
≥ 10000	56.1	61.0	61.4	61.8	62.1	62.1	62.2	62.4	62.4	62.8	62.9	62.9	62.9	62.9	63.0	63.0
≥ 9000	56.6	61.6	61.9	62.4	62.6	62.6	62.8	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.5	63.6
≥ 8000	57.2	62.3	62.7	63.2	63.4	63.4	63.6	63.8	63.8	64.2	64.2	64.2	64.2	64.2	64.4	64.4
≥ 7000	57.5	62.7	63.1	63.6	63.8	63.8	64.0	64.2	64.2	64.6	64.6	64.6	64.6	64.6	64.8	64.8
≥ 6000	58.5	63.8	64.2	64.6	64.8	64.8	65.1	65.3	65.3	65.7	65.8	65.8	65.8	65.8	65.9	66.0
≥ 5000	59.7	65.6	66.0	66.5	66.7	66.7	66.9	67.2	67.2	67.6	67.7	67.7	67.7	67.7	67.8	67.8
≥ 4500	60.5	66.4	66.8	67.2	67.4	67.4	67.7	68.0	68.0	68.3	68.4	68.4	68.4	68.4	68.5	68.6
≥ 4000	61.9	68.2	68.6	69.0	69.3	69.3	69.5	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.3	70.4
≥ 3500	62.9	69.5	69.9	70.3	70.6	70.6	70.8	71.1	71.1	71.5	71.5	71.5	71.5	71.5	71.6	71.7
≥ 3000	65.1	71.9	72.3	72.7	73.0	73.0	73.3	73.6	73.6	74.0	74.0	74.0	74.0	74.0	74.1	74.2
≥ 2500	66.5	74.0	74.4	75.0	75.3	75.3	75.5	75.8	75.8	76.2	76.3	76.3	76.3	76.3	76.4	76.4
≥ 2000	69.9	78.2	78.7	79.4	79.7	79.7	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.9	80.9
≥ 1800	72.0	80.8	81.4	82.2	82.5	82.5	82.8	83.1	83.1	83.5	83.6	83.6	83.6	83.6	83.7	83.7
≥ 1500	74.1	84.0	84.5	85.4	85.7	85.7	86.2	86.5	86.5	86.9	86.9	86.9	86.9	86.9	87.0	87.1
≥ 1200	76.7	87.5	88.1	89.0	89.4	89.4	89.8	90.1	90.1	90.6	90.7	90.7	90.7	90.7	90.8	90.8
≥ 1000	78.0	89.1	89.7	90.7	91.2	91.2	91.7	92.1	92.1	92.6	92.6	92.6	92.6	92.6	92.8	92.8
≥ 900	78.9	90.0	90.6	91.6	92.1	92.1	92.7	93.0	93.0	93.6	93.7	93.7	93.7	93.7	93.8	93.8
≥ 800	79.0	90.6	91.3	92.6	93.1	93.1	93.7	94.1	94.1	94.6	94.7	94.7	94.7	94.7	94.8	94.8
≥ 700	79.3	91.5	92.3	93.7	94.3	94.3	94.8	95.2	95.2	95.8	95.8	95.8	95.8	95.8	95.9	96.0
≥ 600	79.5	92.1	93.0	94.5	95.0	95.0	95.6	96.0	96.0	96.6	96.7	96.7	96.7	96.7	96.8	96.8
≥ 500	79.7	92.4	93.3	94.8	95.4	95.4	96.3	96.7	96.7	97.3	97.4	97.4	97.4	97.5	97.6	97.6
≥ 400	79.7	92.6	93.5	95.0	95.8	95.8	96.6	97.0	97.0	97.7	97.7	97.7	97.7	97.8	98.0	98.0
≥ 300	79.7	92.8	93.7	95.2	96.0	96.0	96.9	97.3	97.3	98.1	98.1	98.1	98.2	98.2	98.4	98.4
≥ 200	79.8	92.9	93.8	95.4	96.1	96.1	97.1	97.5	97.5	98.4	98.5	98.5	98.5	98.5	98.7	98.8
≥ 100	79.8	92.9	93.8	95.4	96.1	96.1	97.2	97.6	97.6	98.5	98.7	98.7	98.7	98.9	99.1	99.2
≥ 0	79.8	93.0	93.9	95.5	96.2	96.2	97.3	97.7	97.7	98.6	98.8	98.8	99.1	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1766

ALLIED/ECRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.3	39.9	40.3	40.4	40.5	40.5	40.5	40.7	40.7	40.9	40.9	40.9	40.9	40.9	41.0	41.1
≥ 20000	45.3	48.9	49.5	49.8	49.8	49.8	49.9	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.5	50.6
≥ 18000	45.4	48.9	49.6	49.8	49.9	49.9	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.5	50.7
≥ 16000	45.5	49.0	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.4	50.4	50.4	50.5	50.5	50.6	50.8
≥ 14000	46.1	50.2	50.9	51.1	51.2	51.2	51.2	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.8	52.0
≥ 12000	47.4	51.5	52.2	52.4	52.5	52.5	52.5	52.7	52.7	52.9	52.9	52.9	52.9	52.9	53.1	53.3
≥ 10000	48.1	52.3	52.9	53.2	53.3	53.3	53.3	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.9	54.1
≥ 9000	48.8	53.0	53.7	54.0	54.0	54.0	54.1	54.2	54.2	54.4	54.4	54.4	54.5	54.5	54.6	54.8
≥ 8000	49.7	54.3	55.0	55.3	55.4	55.4	55.5	55.7	55.7	55.8	55.8	55.8	55.9	55.9	56.1	56.2
≥ 7000	50.9	55.7	56.4	56.7	56.8	56.8	56.9	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.5	57.6
≥ 6000	52.0	56.9	57.6	57.9	58.0	58.0	58.1	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.7	58.8
≥ 5000	54.0	59.1	59.8	60.1	60.2	60.2	60.3	60.5	60.5	60.6	60.6	60.6	60.7	60.7	60.9	61.0
≥ 4500	54.8	60.1	60.8	61.2	61.2	61.2	61.3	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.9	62.1
≥ 4000	55.4	60.9	61.8	62.2	62.2	62.2	62.3	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.9	63.1
≥ 3500	56.1	61.8	62.7	63.2	63.3	63.3	63.4	63.5	63.5	63.8	63.8	63.8	63.8	63.8	64.0	64.2
≥ 3000	57.2	63.2	64.2	64.7	64.8	64.8	64.9	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.5	65.7
≥ 2500	58.7	65.0	66.1	66.8	66.8	66.8	66.9	67.1	67.1	67.3	67.3	67.3	67.4	67.4	67.6	67.7
≥ 2000	61.5	68.8	70.1	70.8	71.0	71.0	71.1	71.2	71.2	71.5	71.5	71.5	71.7	71.7	71.9	72.0
≥ 1800	64.0	71.6	73.0	73.8	74.0	74.0	74.2	74.3	74.3	74.6	74.6	74.6	74.8	74.8	75.0	75.1
≥ 1500	68.0	76.4	77.9	78.7	78.9	78.9	79.1	79.3	79.3	79.5	79.5	79.5	79.7	79.7	79.9	80.1
≥ 1200	71.0	81.0	82.6	83.6	83.8	83.8	84.1	84.3	84.3	84.7	84.7	84.7	84.9	84.9	85.1	85.3
≥ 1000	72.3	83.1	84.7	85.7	86.2	86.2	86.6	86.8	86.8	87.3	87.3	87.3	87.5	87.5	87.7	87.9
≥ 900	72.8	84.0	85.7	87.0	87.5	87.5	88.0	88.2	88.2	88.7	88.7	88.7	89.0	89.0	89.1	89.3
≥ 800	73.6	85.2	86.9	88.4	89.0	89.0	89.5	89.8	89.8	90.3	90.3	90.3	90.7	90.7	90.8	91.0
≥ 700	74.3	86.4	88.3	90.1	90.7	90.7	91.3	91.6	91.6	92.1	92.1	92.1	92.5	92.5	92.6	92.8
≥ 600	74.7	87.4	89.3	91.3	91.9	91.9	92.5	92.8	92.8	93.4	93.4	93.4	93.7	93.7	93.9	94.1
≥ 500	74.8	88.1	90.0	92.0	92.8	92.8	93.5	93.8	93.8	94.4	94.4	94.4	94.7	94.7	94.9	95.1
≥ 400	74.8	88.2	90.2	92.3	93.5	93.5	94.7	95.0	95.0	95.6	95.6	95.6	95.9	95.9	96.1	96.3
≥ 300	74.8	88.3	90.4	92.5	93.8	93.8	95.1	95.5	95.5	96.1	96.2	96.2	96.5	96.5	96.7	96.9
≥ 200	74.8	88.3	90.5	92.6	93.9	93.9	95.2	95.6	95.6	96.3	96.4	96.4	96.9	96.9	97.1	97.2
≥ 100	74.8	88.3	90.5	92.6	93.9	93.9	95.2	95.7	95.7	96.5	96.9	96.9	97.7	97.7	98.0	98.2
≥ 0	74.8	88.3	90.5	92.6	93.9	93.9	95.2	95.7	95.7	96.7	96.9	96.9	97.8	97.8	98.3	98.5

TOTAL NUMBER OF OBSERVATIONS

1766

ALLIED/EGRET BUSINESS SYSTEMS

157523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	29.5	33.3	33.9	34.2	34.6	34.6	34.8	34.9	34.9	35.1	35.1	35.1	35.2	35.2	35.3	35.3
≥ 20000	38.7	44.1	44.9	45.4	46.1	46.1	46.3	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.9	46.9
≥ 18000	38.7	44.3	45.1	45.6	46.3	46.3	46.5	46.6	46.6	46.8	46.9	46.9	46.9	46.9	47.0	47.1
≥ 16000	38.8	44.4	45.2	45.7	46.4	46.4	46.6	46.7	46.7	46.9	47.0	47.0	47.0	47.0	47.1	47.2
≥ 14000	40.0	45.8	46.6	47.1	47.8	47.8	48.0	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.6	48.6
≥ 12000	41.5	47.8	48.6	49.1	49.8	49.8	50.0	50.1	50.1	50.3	50.4	50.4	50.4	50.4	50.5	50.6
≥ 10000	43.0	49.3	50.2	50.7	51.4	51.4	51.6	51.7	51.7	51.9	52.0	52.0	52.0	52.0	52.1	52.2
≥ 8000	43.6	50.0	50.9	51.4	52.1	52.1	52.2	52.4	52.4	52.6	52.6	52.6	52.7	52.7	52.8	52.9
≥ 7000	44.3	50.8	51.7	52.2	52.9	52.9	53.2	53.4	53.4	53.5	53.6	53.6	53.7	53.7	53.8	53.9
≥ 6000	45.0	51.8	52.8	53.4	54.0	54.0	54.4	54.6	54.6	54.8	54.8	54.8	55.0	55.0	55.1	55.1
≥ 5000	46.1	53.3	54.3	54.8	55.5	55.5	55.9	56.1	56.1	56.3	56.3	56.3	56.4	56.4	56.5	56.6
≥ 4500	47.5	55.2	56.3	56.9	57.6	57.6	58.0	58.1	58.1	58.3	58.3	58.3	58.5	58.5	58.6	58.6
≥ 4000	48.0	55.9	57.0	57.6	58.3	58.3	58.7	58.9	58.9	59.1	59.1	59.1	59.3	59.3	59.4	59.4
≥ 3500	49.1	57.2	58.3	59.0	59.7	59.7	60.2	60.3	60.3	60.5	60.6	60.6	60.7	60.7	60.8	60.8
≥ 3000	49.9	58.3	59.5	60.3	61.0	61.0	61.4	61.6	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.1
≥ 2500	51.2	60.3	61.7	62.5	63.3	63.3	63.8	64.0	64.0	64.2	64.2	64.3	64.3	64.3	64.5	64.5
≥ 2000	53.0	62.9	64.5	65.3	66.0	66.0	66.6	66.8	66.8	66.9	67.0	67.0	67.1	67.1	67.2	67.3
≥ 1800	55.5	66.0	67.7	68.7	69.6	69.6	70.1	70.3	70.3	70.5	70.5	70.5	70.7	70.7	70.8	70.9
≥ 1500	56.8	67.6	69.4	70.5	71.3	71.3	72.0	72.2	72.2	72.3	72.4	72.4	72.6	72.6	72.7	72.7
≥ 1200	59.5	71.4	73.2	74.3	75.2	75.2	75.9	76.2	76.2	76.3	76.4	76.4	76.6	76.6	76.7	76.7
≥ 1000	62.1	74.5	77.0	78.1	78.9	79.0	79.7	80.0	80.0	80.1	80.2	80.2	80.4	80.4	80.5	80.5
≥ 900	63.4	77.4	79.9	81.3	82.3	82.3	83.0	83.4	83.4	83.5	83.6	83.6	83.8	83.8	83.9	83.9
≥ 800	63.9	78.6	81.3	82.7	83.8	83.8	84.6	84.9	84.9	85.1	85.1	85.1	85.3	85.3	85.4	85.5
≥ 700	64.4	80.0	83.0	84.7	85.8	85.9	86.6	87.2	87.2	87.4	87.5	87.5	87.8	87.8	87.9	87.9
≥ 600	65.0	81.0	84.2	86.1	87.9	88.0	88.9	89.5	89.5	89.8	89.9	89.9	90.2	90.2	90.3	90.3
≥ 500	65.1	81.8	85.4	88.1	89.5	89.6	90.5	91.2	91.2	91.6	91.7	91.7	92.0	92.0	92.1	92.1
≥ 400	65.3	82.2	86.1	89.1	91.0	91.2	92.4	93.1	93.1	93.8	94.0	94.0	94.3	94.3	94.4	94.5
≥ 300	65.5	82.6	86.5	89.7	91.8	92.1	93.5	94.3	94.3	95.1	95.4	95.4	95.6	95.6	95.8	95.8
≥ 200	65.5	82.7	86.6	89.9	92.0	92.4	93.8	94.7	94.7	95.6	95.9	95.9	96.3	96.3	96.4	96.4
≥ 100	65.5	82.8	86.8	90.0	92.2	92.5	94.1	95.0	95.0	96.5	97.1	97.1	97.7	97.8	98.1	98.2
≥ 0	65.5	82.8	86.8	90.0	92.2	92.5	94.1	95.0	95.0	96.5	97.1	97.1	97.8	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

ALLIED BUSINESS SYSTEMS

150573

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.2	35.4	35.5	35.6	35.8	35.8	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0
≥ 2000	44.7	49.6	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 1800	45.1	50.0	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8
≥ 1600	45.1	50.0	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.8
≥ 1400	46.0	51.0	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 1200	47.6	52.8	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 1000	48.7	54.3	54.6	54.8	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 900	49.0	54.7	55.0	55.2	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 800	49.9	55.7	56.0	56.3	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 700	50.7	56.7	57.0	57.4	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8
≥ 600	52.0	58.1	58.4	58.7	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 500	53.1	59.6	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 4500	53.7	60.4	60.9	61.3	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7
≥ 4000	54.7	61.5	62.0	62.4	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 3500	55.7	62.6	63.2	63.6	63.8	63.8	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3000	57.6	65.0	65.6	66.0	66.2	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 2500	59.3	67.2	67.8	68.3	68.5	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8
≥ 2000	62.6	71.4	72.3	72.9	73.3	73.3	73.3	73.3	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800	63.8	73.0	74.0	74.6	75.0	75.0	75.0	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 1500	66.3	76.7	77.7	78.4	78.8	78.8	78.8	78.9	78.9	79.2	79.2	79.2	79.3	79.3	79.3	79.3
≥ 1200	68.4	80.6	81.9	82.7	83.1	83.1	83.2	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8
≥ 1000	69.7	83.1	84.6	85.6	86.0	86.0	86.1	86.4	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 900	69.9	83.9	85.5	86.5	86.9	86.9	87.1	87.3	87.3	87.6	87.6	87.6	87.7	87.7	87.7	87.7
≥ 800	70.3	85.5	87.4	88.5	89.1	89.1	89.5	89.8	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 700	70.7	86.8	88.9	90.3	91.2	91.3	91.9	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 600	70.9	87.5	89.9	91.6	92.7	92.8	93.5	93.9	93.9	94.3	94.4	94.4	94.5	94.5	94.5	94.5
≥ 500	70.9	87.9	90.4	92.4	93.7	93.8	94.6	95.1	95.1	95.6	95.9	95.9	96.0	96.0	96.0	96.0
≥ 400	70.9	87.9	90.5	92.8	94.2	94.3	95.8	96.4	96.5	97.4	97.7	97.7	97.8	97.8	97.8	97.8
≥ 300	70.9	87.9	90.5	92.8	94.3	94.4	96.2	96.9	97.0	98.1	98.5	98.5	98.7	98.7	98.7	98.7
≥ 200	71.0	88.0	90.6	92.8	94.3	94.5	96.3	97.1	97.2	98.5	98.9	98.9	99.2	99.2	99.2	99.2
≥ 100	71.0	88.0	90.6	92.8	94.3	94.5	96.3	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.5	99.5
≥ 0	71.0	88.0	90.6	92.8	94.3	94.5	96.3	97.1	97.2	98.5	99.0	99.0	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1767

ALLIED/EGY BUSINESS SYSTEMS

1500-23

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	37.1	38.8	39.1	39.4	39.5	39.5	39.7	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	53.5	56.1	56.4	56.6	56.8	56.8	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	53.9	56.5	56.8	57.1	57.2	57.2	57.4	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	54.0	56.7	57.0	57.3	57.4	57.4	57.7	57.7	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 14000	55.0	57.7	58.0	58.3	58.4	58.4	58.6	58.6	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	56.3	59.1	59.4	59.8	60.0	60.0	60.2	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	57.3	60.3	60.6	61.0	61.2	61.2	61.5	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000	57.8	60.8	61.1	61.5	61.7	61.7	61.9	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	58.5	61.7	62.0	62.4	62.6	62.6	62.9	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	59.3	62.8	63.1	63.6	63.8	63.8	64.0	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	60.3	64.1	64.3	64.8	65.0	65.0	65.3	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 5000	61.6	65.5	65.8	66.2	66.4	66.4	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	61.9	65.9	66.2	66.6	66.8	66.8	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	63.4	67.5	67.8	68.3	68.5	68.5	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	65.2	69.5	69.8	70.3	70.5	70.5	70.7	70.7	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	67.9	72.6	73.0	73.5	73.7	73.7	74.0	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	71.9	77.3	77.8	78.2	78.5	78.5	78.8	78.8	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	76.6	83.1	83.6	84.2	84.5	84.5	84.9	85.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	77.2	84.0	84.5	85.2	85.6	85.6	86.0	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	78.8	86.4	87.0	87.7	88.1	88.1	88.6	88.6	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	80.1	88.5	89.2	90.2	90.6	90.6	91.1	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	80.8	90.4	91.5	92.4	93.0	93.0	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	81.0	90.9	92.1	93.1	93.8	93.8	94.4	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	81.2	91.6	92.8	93.8	94.6	94.6	95.5	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	81.3	92.0	93.2	94.5	95.3	95.4	96.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	81.3	92.2	93.4	94.7	95.7	95.8	96.9	97.1	97.1	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 500	81.3	92.2	93.5	95.0	96.3	96.4	97.6	97.8	97.8	98.2	98.3	98.3	98.4	98.4	98.4	98.4
≥ 400	81.3	92.4	93.8	95.2	96.5	96.7	98.0	98.3	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 300	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.4	99.4	99.5	99.5	99.5	99.5
≥ 200	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.5	99.5	99.8	99.8	99.9	99.9
≥ 100	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.5	99.5	99.8	99.8	100.0	100.0
≥ 0	81.3	92.4	93.8	95.3	96.7	96.8	98.1	98.5	98.5	99.3	99.5	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/FORT BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILINGS (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	> 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	> 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	> ¼	≥ 0
NO CEILING	40.1	42.0	42.1	42.2	42.5	42.6	42.6	42.7	42.7	42.9	43.0	43.0	43.0	43.0	43.0	43.0
IV 20000	58.1	61.2	61.3	61.4	61.7	61.7	61.8	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1
V 18000	58.3	61.5	61.5	61.6	61.9	62.0	62.0	62.1	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4
IV 16000	58.5	61.9	62.0	62.1	62.4	62.4	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 14000	59.7	63.2	63.2	63.3	63.6	63.7	63.7	63.8	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	60.8	64.3	64.3	64.5	64.7	64.8	64.9	65.0	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2
V 10000	62.5	66.1	66.2	66.3	66.6	66.7	66.7	66.8	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1
V 9000	63.0	66.7	66.9	67.0	67.3	67.4	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8
IV 8000	63.7	67.6	67.7	67.9	68.2	68.3	68.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 7000	64.3	68.4	68.5	68.6	69.0	69.0	69.1	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
V 6000	65.1	69.3	69.4	69.6	69.9	69.9	70.0	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	66.5	71.0	71.2	71.5	71.8	71.9	71.9	72.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3
V 4500	67.2	71.9	72.0	72.3	72.7	72.7	72.8	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1
V 4000	69.6	74.4	74.5	74.8	75.2	75.3	75.3	75.4	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7
V 3500	71.6	77.1	77.3	77.6	78.0	78.0	78.2	78.3	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6
IV 3000	74.8	80.8	81.0	81.3	81.8	81.8	81.9	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3
V 2500	78.1	84.6	84.9	85.3	85.9	85.9	86.0	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 2000	81.7	88.9	89.2	89.5	90.1	90.2	90.4	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8
IV 1800	81.9	89.3	89.6	90.0	90.5	90.6	90.8	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1500	82.9	90.7	91.1	91.5	92.1	92.1	92.4	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 1200	83.6	91.9	92.5	93.0	93.5	93.6	93.9	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	83.8	92.7	93.4	94.0	94.7	94.7	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900	83.8	92.8	93.4	94.2	95.0	95.0	95.5	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 800	83.9	93.0	93.8	94.6	95.4	95.5	96.2	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6
IV 700	84.0	93.1	94.0	94.8	95.6	95.7	96.5	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2
IV 600	84.0	93.4	94.3	95.4	96.4	96.4	97.4	97.7	97.7	98.0	98.0	98.0	98.2	98.2	98.2	98.2
IV 500	84.0	93.7	94.6	95.7	96.7	96.8	98.1	98.4	98.4	98.7	98.8	98.8	98.9	98.9	99.0	99.0
IV 400	84.1	93.7	94.7	95.8	96.8	96.9	98.1	98.6	98.6	98.9	98.9	98.9	99.2	99.2	99.2	99.2
IV 300	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.8	99.8
IV 200	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.8	99.8
IV 100	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.9	100.0
IV 0	84.2	93.8	94.8	96.0	97.1	97.2	98.5	99.0	99.0	99.3	99.3	99.4	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1767

ALLIED/ECRY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.8	45.6	45.8	46.3	46.7	46.8	47.0	47.3	47.3	47.3	47.4	47.4	47.5	47.5	47.5	47.5
20000	61.2	64.6	65.0	65.6	66.1	66.2	66.4	66.6	66.6	66.7	66.7	66.7	66.9	66.9	66.9	66.9
18000	61.4	64.9	65.3	65.8	66.3	66.4	66.6	66.9	66.9	66.9	67.0	67.0	67.1	67.1	67.1	67.1
16000	61.6	65.3	65.7	66.2	66.7	66.8	67.0	67.3	67.3	67.3	67.4	67.4	67.5	67.5	67.5	67.5
14000	62.8	66.5	66.9	67.4	67.9	68.0	68.2	68.4	68.4	68.5	68.6	68.6	68.7	68.7	68.7	68.7
12000	63.8	67.8	68.2	68.9	69.3	69.5	69.7	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.1
10000	65.0	69.1	69.6	70.3	70.8	70.9	71.1	71.3	71.3	71.4	71.4	71.4	71.6	71.6	71.6	71.6
9000	65.6	69.7	70.2	70.9	71.4	71.5	71.7	72.0	72.0	72.0	72.1	72.1	72.2	72.2	72.2	72.2
8000	66.9	71.1	71.6	72.3	72.7	72.9	73.1	73.3	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5
7000	67.3	71.6	72.1	72.8	73.3	73.4	73.6	73.8	73.8	73.9	73.9	73.9	74.1	74.1	74.1	74.1
6000	68.2	73.0	73.7	74.4	74.9	75.0	75.2	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7
5000	70.0	75.4	76.0	76.8	77.3	77.5	77.7	78.0	78.0	78.0	78.1	78.1	78.2	78.2	78.2	78.2
4500	70.6	76.0	76.7	77.5	78.0	78.1	78.4	78.6	78.6	78.7	78.8	78.8	78.9	78.9	78.9	78.9
4000	72.4	78.2	78.9	79.8	80.3	80.4	80.7	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1
3500	74.1	80.6	81.2	82.2	82.7	82.8	83.1	83.4	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.6
3000	76.0	83.2	83.9	84.9	85.4	85.6	85.8	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3
2500	77.5	85.4	86.0	87.0	87.6	87.8	88.2	88.4	88.4	88.5	88.6	88.6	88.7	88.7	88.7	88.7
2000	80.0	88.3	89.0	90.0	90.6	90.7	91.2	91.4	91.4	91.5	91.6	91.6	91.7	91.7	91.7	91.7
1800	80.6	89.2	89.9	90.9	91.6	91.7	92.1	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6
1500	81.4	90.7	91.4	92.5	93.3	93.4	93.8	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
1200	82.2	91.8	92.6	93.9	94.6	94.7	95.2	95.5	95.5	95.5	95.6	95.6	95.7	95.7	95.7	95.7
1000	82.5	92.5	93.2	94.7	95.5	95.6	96.0	96.3	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5
900	82.5	92.6	93.4	94.9	95.7	95.8	96.3	96.5	96.5	96.6	96.7	96.7	96.8	96.8	96.8	96.8
800	82.5	92.6	93.5	95.0	95.8	95.9	96.4	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9
700	82.6	92.9	94.0	95.6	96.4	96.5	97.2	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.7	97.7
600	82.7	93.1	94.2	95.8	96.7	96.8	97.5	97.8	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0
500	82.9	93.3	94.4	96.1	97.0	97.1	98.0	98.4	98.4	98.5	98.5	98.5	98.8	98.8	98.8	98.8
400	82.9	93.3	94.6	96.2	97.2	97.3	98.2	98.8	98.8	99.0	99.1	99.1	99.3	99.3	99.3	99.3
300	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.0	99.0	99.4	99.5	99.5	99.7	99.7	99.7	99.7
200	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8
100	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	99.8
0	82.9	93.4	94.6	96.3	97.3	97.5	98.5	99.1	99.1	99.5	99.6	99.6	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1765

ALLIED/ECRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING - VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.7	51.3	51.8	52.4	52.7	52.8	53.0	53.0	53.0	53.3	53.4	53.4	53.4	53.4	53.5	53.5
≥ 20000	63.3	67.6	68.4	69.0	69.3	69.4	69.6	69.6	69.6	69.9	70.0	70.0	70.0	70.0	70.1	70.1
≥ 18000	63.4	67.8	68.6	69.2	69.4	69.6	69.8	69.8	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.3
≥ 16000	63.5	67.9	68.7	69.3	69.6	69.7	69.9	69.9	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.4
≥ 14000	64.3	68.9	69.7	70.2	70.5	70.6	70.9	70.9	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.4
≥ 12000	64.9	69.8	70.6	71.2	71.5	71.6	71.8	71.8	71.8	72.1	72.2	72.2	72.2	72.2	72.3	72.3
≥ 10000	65.5	70.7	71.6	72.2	72.5	72.6	72.8	72.8	72.8	73.1	73.2	73.2	73.2	73.2	73.3	73.3
≥ 9000	65.9	71.1	72.0	72.6	72.9	73.0	73.2	73.2	73.2	73.5	73.6	73.6	73.6	73.6	73.7	73.7
≥ 8000	66.7	72.0	73.0	73.6	73.9	74.0	74.2	74.2	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.7
≥ 7000	67.2	72.8	73.7	74.3	74.6	74.7	74.9	74.9	74.9	75.2	75.3	75.3	75.3	75.3	75.4	75.4
≥ 6000	67.9	73.9	74.8	75.4	75.7	75.8	76.0	76.0	76.0	76.3	76.4	76.4	76.4	76.4	76.5	76.5
≥ 5000	68.8	75.4	76.3	76.9	77.2	77.3	77.5	77.5	77.5	77.8	77.9	77.9	77.9	77.9	78.0	78.0
≥ 4500	69.7	76.4	77.4	77.9	78.2	78.3	78.6	78.6	78.6	78.8	78.9	78.9	78.9	78.9	79.0	79.1
≥ 4000	71.4	78.7	79.6	80.2	80.5	80.6	80.9	80.9	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.4
≥ 3500	72.3	79.6	80.6	81.2	81.5	81.6	81.8	81.8	81.8	82.1	82.2	82.2	82.2	82.2	82.3	82.3
≥ 3000	73.9	81.8	82.7	83.3	83.7	83.8	84.0	84.0	84.0	84.3	84.4	84.4	84.4	84.4	84.5	84.6
≥ 2500	76.1	84.8	85.7	86.3	86.7	86.8	87.0	87.0	87.0	87.3	87.4	87.4	87.4	87.4	87.5	87.5
≥ 2000	77.9	87.1	88.1	88.6	89.0	89.1	89.4	89.4	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.9
≥ 1800	78.7	88.1	89.1	89.7	90.2	90.3	90.6	90.6	90.6	90.9	91.0	91.0	91.0	91.0	91.1	91.1
≥ 1500	79.3	89.2	90.3	90.9	91.3	91.5	91.8	91.8	91.8	92.2	92.3	92.3	92.3	92.3	92.4	92.4
≥ 1200	81.3	92.1	93.2	93.8	94.2	94.3	94.8	94.8	94.8	95.2	95.3	95.3	95.3	95.3	95.4	95.4
≥ 1000	81.4	92.5	93.7	94.3	94.8	94.9	95.4	95.4	95.4	95.8	95.9	95.9	95.9	95.9	96.0	96.0
≥ 900	81.7	93.1	94.3	95.0	95.4	95.5	96.0	96.1	96.1	96.5	96.6	96.6	96.6	96.6	96.7	96.7
≥ 800	81.7	93.3	94.6	95.2	95.6	95.8	96.3	96.3	96.3	96.7	96.8	96.8	96.8	96.8	96.9	96.9
≥ 700	81.8	93.5	94.9	95.5	96.0	96.1	96.6	96.7	96.7	97.1	97.2	97.2	97.2	97.2	97.3	97.3
≥ 600	81.9	93.9	95.4	96.0	96.5	96.6	97.1	97.2	97.2	97.6	97.7	97.7	97.7	97.7	97.8	97.8
≥ 500	81.9	94.3	95.8	96.4	96.9	97.0	97.5	97.6	97.6	98.1	98.2	98.2	98.2	98.2	98.3	98.4
≥ 400	81.9	94.4	95.9	96.5	97.0	97.1	97.6	97.8	97.8	98.3	98.4	98.4	98.4	98.4	98.5	98.5
≥ 300	81.9	94.5	95.9	96.8	97.3	97.5	98.0	98.1	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.9
≥ 200	81.9	94.6	96.0	96.9	97.5	97.6	98.2	98.4	98.4	98.9	99.2	99.2	99.3	99.3	99.4	99.4
≥ 100	81.9	94.6	96.0	96.9	97.5	97.6	98.2	98.4	98.4	98.9	99.2	99.2	99.3	99.3	99.5	99.6
0	81.9	94.6	96.0	96.9	97.5	97.6	98.2	98.4	98.4	98.9	99.2	99.2	99.3	99.3	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS

1767

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILE.)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.6	42.7	42.8	42.9	43.0	43.0	43.2	43.2	43.2	43.3	43.4	43.4	43.5	43.5	43.5	43.5
≥ 20000	55.9	58.9	59.2	59.4	59.5	59.5	59.6	59.6	59.6	59.8	59.8	59.8	59.9	59.9	59.9	59.9
≥ 18000	56.0	59.0	59.4	59.5	59.6	59.6	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0
≥ 16000	56.1	59.1	59.4	59.5	59.6	59.6	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.1	60.1	60.1
≥ 14000	57.0	60.2	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2
≥ 12000	58.4	61.8	62.1	62.2	62.3	62.3	62.5	62.5	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	59.9	63.3	63.7	63.9	64.1	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5
≥ 9000	60.4	63.9	64.3	64.4	64.6	64.6	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	61.2	64.8	65.2	65.3	65.6	65.6	65.7	65.7	65.7	65.8	65.9	65.9	65.9	66.0	66.0	66.0
≥ 7000	61.6	65.6	66.1	66.2	66.4	66.4	66.6	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8
≥ 6000	62.3	66.4	66.9	67.0	67.3	67.3	67.4	67.4	67.4	67.5	67.6	67.6	67.7	67.7	67.7	67.7
≥ 5000	63.0	67.5	68.1	68.2	68.8	68.8	68.9	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2
≥ 4500	63.8	68.3	68.9	69.1	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0
≥ 4000	65.1	69.8	70.5	70.6	71.2	71.2	71.3	71.3	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6
≥ 3500	66.0	70.8	71.5	71.6	72.2	72.2	72.3	72.3	72.3	72.5	72.5	72.5	72.6	72.6	72.6	72.6
≥ 3000	67.0	72.3	73.0	73.2	73.7	73.7	73.9	73.9	73.9	74.0	74.1	74.1	74.2	74.2	74.2	74.2
≥ 2500	68.4	74.3	75.1	75.3	76.0	76.0	76.1	76.1	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.4
≥ 2000	72.9	79.6	80.5	80.7	81.4	81.4	81.6	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1800	75.2	82.2	83.1	83.3	84.0	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1500	78.6	86.1	87.0	87.3	88.0	88.0	88.2	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200	81.1	89.5	90.4	90.7	91.4	91.4	91.6	91.6	91.6	91.8	91.8	91.8	91.9	91.9	91.9	91.9
≥ 1000	82.4	92.0	92.9	93.2	93.9	93.9	94.2	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900	82.9	93.3	94.2	94.5	95.2	95.2	95.4	95.4	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	83.0	93.8	94.8	95.1	95.8	95.8	96.1	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	83.2	94.3	95.3	95.7	96.4	96.4	96.7	96.7	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 600	83.5	95.0	96.0	96.5	97.3	97.3	97.5	97.5	97.5	97.8	97.8	97.8	97.9	97.9	97.9	97.9
≥ 500	83.5	95.1	96.3	97.0	97.7	97.7	98.1	98.1	98.1	98.3	98.4	98.4	98.5	98.5	98.5	98.5
≥ 400	83.7	95.4	96.7	97.4	98.1	98.1	98.5	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	83.7	95.6	96.8	97.5	98.3	98.3	98.8	98.8	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3
≥ 200	83.7	95.6	96.9	97.6	98.4	98.4	98.8	98.8	98.9	99.2	99.3	99.3	99.6	99.6	99.6	99.6
≥ 100	83.7	95.6	97.0	97.7	98.5	98.5	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	99.9	99.9
≥ 0	83.7	95.6	97.0	97.7	98.5	98.5	98.9	99.0	99.0	99.4	99.5	99.5	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/LGRT BUSINESS SYSTEMS

120023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	33.3	35.5	36.0	36.1	36.3	36.3	36.5	36.5	36.5	36.7	36.7	36.7	36.8	36.8	36.8	36.9
≥ 20000	43.7	47.5	48.1	48.3	48.6	48.6	48.8	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.2
≥ 18000	43.7	47.5	48.1	48.3	48.6	48.6	48.8	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.2
≥ 16000	43.6	47.7	48.2	48.4	48.7	48.7	48.9	48.9	48.9	49.1	49.1	49.1	49.2	49.2	49.2	49.3
≥ 14000	44.2	48.2	48.7	48.9	49.2	49.2	49.4	49.5	49.5	49.6	49.6	49.6	49.8	49.8	49.8	49.8
≥ 12000	45.7	50.0	50.5	50.8	51.1	51.1	51.2	51.3	51.3	51.4	51.5	51.5	51.6	51.6	51.6	51.6
≥ 10000	47.0	51.5	52.1	52.3	52.7	52.7	52.9	52.9	52.9	53.0	53.1	53.1	53.2	53.2	53.2	53.3
≥ 9000	47.4	52.0	52.6	52.9	53.2	53.2	53.4	53.5	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.8
≥ 8000	48.5	53.2	53.8	54.0	54.4	54.4	54.6	54.6	54.6	54.7	54.8	54.8	54.9	54.9	54.9	55.0
≥ 7000	49.1	53.9	54.4	54.7	55.1	55.1	55.3	55.3	55.3	55.4	55.5	55.5	55.6	55.6	55.6	55.7
≥ 6000	49.8	54.7	55.3	55.6	56.0	56.0	56.1	56.2	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.5
≥ 5000	50.9	56.0	56.6	56.8	57.3	57.3	57.4	57.5	57.5	57.6	57.7	57.7	57.8	57.8	57.8	57.8
≥ 4500	51.3	56.4	57.0	57.3	57.7	57.7	57.8	57.9	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.2
≥ 4000	51.9	57.3	58.0	58.2	58.6	58.6	58.8	58.8	58.8	58.9	59.0	59.0	59.1	59.1	59.1	59.2
≥ 3500	52.6	58.2	58.9	59.2	59.6	59.6	59.8	59.9	59.9	60.0	60.1	60.1	60.2	60.2	60.2	60.2
≥ 3000	54.3	60.2	60.9	61.2	61.6	61.6	61.8	61.8	61.8	61.9	62.0	62.0	62.1	62.1	62.1	62.2
≥ 2500	57.1	64.0	64.7	65.1	65.7	65.7	65.8	65.9	65.9	66.0	66.1	66.1	66.2	66.2	66.2	66.3
≥ 2000	61.6	69.7	70.4	70.8	71.3	71.3	71.5	71.6	71.6	71.8	71.8	71.8	71.9	71.9	71.9	72.0
≥ 1800	63.8	72.3	73.0	73.5	74.1	74.1	74.3	74.3	74.3	74.5	74.6	74.6	74.7	74.7	74.7	74.7
≥ 1500	68.1	77.6	78.3	78.8	79.4	79.4	79.6	79.6	79.6	79.8	79.9	79.9	80.0	80.0	80.0	80.1
≥ 1200	73.1	84.7	85.6	86.1	86.8	86.8	87.0	87.1	87.1	87.3	87.3	87.3	87.4	87.4	87.4	87.5
≥ 1000	74.9	88.0	89.1	89.7	90.5	90.5	90.7	90.8	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.2
≥ 900	75.3	89.1	90.2	90.8	91.6	91.6	91.8	91.9	91.9	92.1	92.2	92.2	92.3	92.3	92.3	92.3
≥ 800	75.8	90.2	91.5	92.2	93.2	93.2	93.4	93.5	93.5	93.7	93.7	93.7	93.9	93.9	93.9	93.9
≥ 700	76.2	90.9	92.3	93.0	94.0	94.0	94.3	94.3	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.8
≥ 600	76.3	91.2	92.7	93.4	94.6	94.6	94.9	94.9	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.4
≥ 500	76.4	92.0	93.8	94.5	96.0	96.0	96.3	96.3	96.3	96.5	96.6	96.6	96.7	96.7	96.7	96.8
≥ 400	76.4	92.4	94.3	95.0	96.5	96.5	97.0	97.3	97.3	97.7	97.7	97.7	97.8	97.8	97.8	97.9
≥ 300	76.4	92.7	94.6	95.4	96.9	96.9	97.4	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1
≥ 200	76.4	92.7	94.6	95.5	97.1	97.1	97.7	98.0	98.0	98.5	98.5	98.5	98.7	98.7	98.7	98.8
≥ 100	76.4	92.7	94.6	95.6	97.3	97.3	97.9	98.2	98.2	98.8	98.8	98.8	99.2	99.2	99.2	99.2
≥ 0	76.4	92.7	94.6	95.6	97.3	97.3	97.9	98.2	98.2	98.8	98.8	98.9	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/FGM BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	25.7	28.3	29.0	29.4	29.7	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.1	30.1
≥ 20000	34.1	38.9	40.0	40.6	41.2	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.6
≥ 18000	34.2	39.0	40.1	40.6	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.6	41.7
≥ 16000	34.3	39.2	40.3	40.9	41.5	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9	41.9
≥ 14000	35.0	39.9	41.0	41.6	42.2	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6
≥ 12000	36.0	41.1	42.1	42.7	43.4	43.5	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.8	43.9
≥ 10000	37.1	42.5	43.7	44.3	45.1	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.6	45.6
≥ 9000	37.7	43.5	44.7	45.3	46.1	46.2	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.5	46.6
≥ 8000	38.7	44.4	45.7	46.4	47.1	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.7	47.7
≥ 7000	39.1	45.1	46.4	47.1	48.0	48.1	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.5	48.5
≥ 6000	40.3	46.6	47.9	48.6	49.4	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.1
≥ 5000	41.9	48.6	50.1	50.8	51.6	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2	52.3
≥ 4500	42.1	48.9	50.4	51.1	51.9	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.6
≥ 4000	43.0	50.3	51.9	52.6	53.5	53.6	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.1	54.2
≥ 3500	43.9	51.3	52.9	53.6	54.5	54.6	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.1	55.2
≥ 3000	46.1	53.9	55.5	56.2	57.1	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.7	57.8
≥ 2500	49.2	57.5	59.2	59.9	60.8	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.5	61.5
≥ 2000	52.5	62.6	64.6	65.3	66.2	66.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.9
≥ 1800	54.0	64.4	66.4	67.1	68.1	68.2	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.8	68.8
≥ 1500	57.1	68.5	70.9	71.6	72.7	72.9	73.1	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.7	73.7
≥ 1200	60.8	74.2	77.0	78.1	79.4	79.5	79.7	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.4	80.4
≥ 1000	62.9	78.4	81.6	83.0	84.5	84.6	85.0	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.8	85.8
≥ 900	63.5	79.4	82.9	84.5	86.0	86.1	86.5	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.3	87.4
≥ 800	64.6	81.8	85.8	87.5	89.1	89.2	89.6	89.9	89.9	90.3	90.3	90.3	90.3	90.3	90.5	90.5
≥ 700	65.0	83.3	87.8	89.7	91.4	91.5	92.0	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.9	93.0
≥ 600	65.1	84.2	88.8	91.1	92.9	93.0	93.7	94.0	94.0	94.5	94.5	94.5	94.5	94.5	94.7	94.7
≥ 500	65.3	84.8	89.5	91.8	93.8	94.0	94.9	95.1	95.3	96.0	96.0	96.0	96.0	96.0	96.1	96.2
≥ 400	65.3	85.0	89.9	92.3	94.5	94.7	95.8	96.3	96.5	97.4	97.4	97.4	97.5	97.5	97.7	97.7
≥ 300	65.3	85.1	90.0	92.5	94.7	94.9	96.3	96.8	97.0	98.1	98.1	98.1	98.2	98.2	98.4	98.5
≥ 200	65.3	85.1	90.1	92.5	94.8	95.0	96.4	97.0	97.2	98.4	98.5	98.5	98.5	98.7	98.7	98.8
≥ 100	65.3	85.1	90.1	92.5	94.8	95.0	96.5	97.1	97.3	98.6	98.8	98.8	98.8	98.9	99.1	99.4
≥ 0	65.3	85.1	90.1	92.5	94.8	95.0	96.5	97.1	97.3	98.6	98.8	98.8	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

1710

ALLIED/FGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	28.5	30.4	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8
≥ 20000	41.5	45.2	45.6	45.6	45.8	45.8	45.8	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0
≥ 18000	41.5	45.2	45.6	45.6	45.8	45.8	45.8	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0
≥ 16000	41.5	45.2	45.6	45.6	45.8	45.8	45.8	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0
≥ 14000	41.9	45.6	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4
≥ 12000	43.2	47.0	47.4	47.5	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9
≥ 10000	44.0	48.1	48.5	48.6	48.8	48.8	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0
≥ 9000	44.7	48.9	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8
≥ 8000	46.0	50.5	50.8	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3
≥ 7000	46.9	51.5	51.9	52.0	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4
≥ 6000	47.7	52.4	52.7	52.9	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3
≥ 5000	49.0	54.3	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4
≥ 4500	49.6	55.0	55.6	55.7	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2
≥ 4000	50.9	56.4	56.9	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5
≥ 3500	52.5	58.2	58.8	58.9	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4
≥ 3000	54.6	60.7	61.2	61.4	61.7	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0
≥ 2500	58.9	65.8	66.4	66.7	67.0	67.0	67.1	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3
≥ 2000	64.5	72.4	73.0	73.4	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1
≥ 1800	66.7	75.0	75.8	76.1	76.6	76.6	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9
≥ 1500	70.6	80.4	81.1	81.5	82.0	82.0	82.2	82.2	82.2	82.2	82.3	82.4	82.4	82.4	82.4	82.4
≥ 1200	74.2	86.0	86.9	87.4	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.4	88.4	88.4	88.4	88.4
≥ 1000	75.6	89.1	90.2	90.9	91.5	91.5	91.7	91.8	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0
≥ 900	75.8	89.8	91.1	91.8	92.4	92.4	92.6	92.7	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0
≥ 800	76.3	90.5	92.1	92.9	93.6	93.6	94.0	94.0	94.0	94.0	94.3	94.4	94.4	94.4	94.4	94.4
≥ 700	76.4	91.4	93.0	94.2	95.1	95.2	95.6	95.6	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0
≥ 600	76.5	91.8	93.6	94.9	95.9	96.1	96.5	96.7	96.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1
≥ 500	76.7	92.2	94.2	95.6	96.7	97.0	97.8	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	76.7	92.5	94.4	95.9	97.1	97.4	98.2	98.7	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	76.7	92.5	94.4	96.0	97.3	97.6	98.5	98.9	99.0	99.1	99.4	99.6	99.6	99.8	99.8	99.8
≥ 200	76.7	92.5	94.4	96.0	97.3	97.6	98.5	99.0	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	76.7	92.5	94.4	96.0	97.3	97.6	98.5	99.0	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9
≥ 0	76.7	92.5	94.4	96.0	97.3	97.6	98.5	99.0	99.1	99.5	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.5	33.2	33.4	33.7	33.7	33.7	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 20000	50.0	51.3	51.5	51.9	51.9	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 18000	50.2	51.5	51.6	52.0	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	50.2	51.5	51.7	52.1	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000	51.0	52.3	52.5	52.9	52.9	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	52.0	53.6	53.7	54.3	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	53.5	55.1	55.3	55.8	55.9	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	54.4	56.0	56.2	56.7	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 8000	55.3	56.9	57.1	57.6	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 7000	55.5	57.1	57.3	57.8	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	56.5	58.3	58.5	59.0	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 5000	58.2	60.1	60.2	60.8	60.8	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4500	59.4	61.3	61.5	62.0	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4000	61.5	63.8	64.0	64.6	64.7	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 3500	64.5	67.1	67.4	68.0	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	69.8	73.0	73.3	73.9	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	75.3	79.5	80.0	80.6	80.8	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2000	80.5	85.6	86.1	86.7	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4
≥ 1800	81.6	87.2	87.8	88.5	88.7	88.8	88.9	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2
≥ 1500	83.6	90.0	90.7	91.4	91.7	91.8	92.0	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3
≥ 1200	84.4	92.2	93.0	93.9	94.3	94.3	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	84.9	93.5	94.3	95.2	95.7	95.7	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	85.1	93.9	94.7	95.6	96.1	96.1	96.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	85.2	94.0	94.9	95.8	96.4	96.4	96.8	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	85.2	94.2	95.3	96.3	96.9	97.0	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	85.2	94.4	95.6	96.5	97.2	97.3	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	85.2	94.5	95.7	96.7	97.4	97.5	98.3	98.5	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	85.2	94.5	95.7	96.8	97.5	97.7	98.5	98.8	98.8	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	85.2	94.5	95.7	96.8	97.6	97.7	98.6	98.9	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/BRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.5	38.7	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 20000	59.5	61.1	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	59.8	61.4	61.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	59.9	61.5	61.8	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
≥ 14000	60.4	62.1	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 12000	61.6	63.4	63.7	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 10000	63.7	64.9	65.2	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	64.4	66.2	66.5	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
≥ 8000	65.3	67.1	67.5	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	65.6	67.6	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	66.7	68.8	69.2	69.6	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	68.9	71.4	71.9	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 4500	71.0	73.5	74.0	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4000	73.7	76.7	77.1	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3500	76.3	79.8	80.2	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	80.3	84.8	85.3	85.7	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	83.3	88.3	88.9	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	85.0	90.7	91.5	91.9	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	85.4	91.3	92.2	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500	86.0	92.2	93.2	93.7	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200	86.6	93.6	94.7	95.2	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	86.9	94.2	95.5	96.0	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	87.1	94.4	95.7	96.2	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	87.1	94.5	96.0	96.5	96.7	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	87.1	94.5	96.3	96.9	97.2	97.3	97.7	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	87.1	94.7	96.5	97.2	97.5	97.5	98.1	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	87.1	94.9	96.8	97.5	97.9	98.0	98.5	98.8	98.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 400	87.1	95.0	96.9	97.7	98.1	98.1	98.8	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 200	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.9	99.9
≥ 100	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.6	99.7	99.7	99.9	99.9	100.0	100.0
≥ 0	87.1	95.0	96.9	97.7	98.1	98.1	98.9	99.1	99.2	99.6	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1715

ALLIED/EGY BUSINESS SYSTEMS

152522

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	> 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	> ¼	> 0	
NO CEILING	43.0	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	
20000	66.0	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	
18000	66.4	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
16000	66.7	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	
14000	67.6	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	
12000	69.2	72.2	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
10000	71.3	74.6	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	
9000	72.1	75.5	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
8000	73.1	76.5	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	
7000	73.9	77.5	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	
6000	75.0	78.8	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	
5000	77.7	81.8	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	
4500	78.5	82.9	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	
4000	79.6	84.7	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	
3500	80.4	85.8	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6	
3000	82.4	88.8	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
2500	83.5	90.4	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	
2000	84.3	91.7	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	
1800	84.4	92.0	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	
1500	84.7	92.4	93.4	93.9	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
1200	85.1	93.3	94.4	95.0	95.1	95.1	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	
1000	85.4	94.1	95.4	96.1	96.3	96.3	96.4	96.4	96.4	96.5	96.6	96.6	96.6	96.6	96.7	
900	85.5	94.3	95.6	96.3	96.5	96.5	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	97.0	
800	85.6	94.6	95.9	96.7	97.0	97.0	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.5	
700	85.7	94.7	96.1	97.0	97.5	97.5	97.7	97.9	97.9	98.0	98.2	98.2	98.2	98.2	98.3	
600	85.8	94.9	96.3	97.2	97.9	97.9	98.1	98.2	98.2	98.4	98.7	98.7	98.7	98.7	98.7	
500	85.8	95.4	96.8	97.8	98.7	98.7	98.8	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.6	
400	85.8	95.4	96.9	97.9	98.7	98.8	98.9	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.7	
300	85.8	95.4	96.9	97.9	98.7	98.8	98.9	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.7	
200	85.8	95.4	96.9	97.9	98.7	98.8	98.9	99.2	99.2	99.4	99.7	99.7	99.8	99.8	99.8	
100	85.8	95.4	96.9	97.9	98.7	98.8	99.0	99.2	99.2	99.5	99.8	99.8	99.9	99.9	99.9	
0	85.8	95.4	96.9	97.9	98.7	98.8	99.0	99.2	99.2	99.5	99.8	99.8	99.9	99.9	100.	

TOTAL NUMBER OF OBSERVATIONS

1710

ALLIED-BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45, 49-64
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.5	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	66.0	68.8	68.8	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 18000	66.1	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000	66.1	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 14000	67.1	70.2	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 12000	67.8	70.9	70.9	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
≥ 10000	69.8	73.2	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	70.3	73.7	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	71.5	75.0	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	72.1	75.8	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	73.2	77.1	77.5	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 5000	74.6	79.0	79.4	79.6	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4500	75.2	79.8	80.2	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4000	76.5	81.5	81.9	82.2	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500	77.1	82.2	82.6	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3000	78.9	84.3	84.7	85.0	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2500	81.1	87.1	87.7	88.0	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	83.0	89.6	90.2	90.6	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	83.8	90.7	91.2	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	84.6	92.2	92.7	93.2	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	85.5	93.9	94.5	95.0	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	85.8	94.8	95.4	95.9	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 900	85.9	95.0	95.8	96.3	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9
≥ 800	86.1	95.4	96.3	96.7	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	86.5	96.0	96.8	97.3	97.8	97.9	98.1	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	86.5	96.2	97.1	97.6	98.2	98.3	98.5	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	86.5	96.4	97.3	97.9	98.7	98.8	99.0	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	86.8	96.8	97.7	98.3	99.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	86.8	96.8	97.7	98.3	99.2	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	86.8	96.8	97.7	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.8	96.8	97.7	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.8	96.8	97.7	98.4	99.4	99.4	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

ALLEN/COPY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	47.3	48.7	48.7	48.8	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3
≥ 20000	64.3	66.2	66.4	66.5	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1
≥ 18000	64.3	66.2	66.5	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1
≥ 16000	64.4	66.3	66.5	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.2
≥ 14000	65.5	67.5	67.8	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.5
≥ 12000	66.6	68.7	69.0	69.1	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6
≥ 10000	68.0	70.5	70.8	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.5
≥ 9000	68.7	71.5	71.9	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5
≥ 8000	69.0	72.0	72.3	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	73.0
≥ 7000	70.0	73.1	73.5	73.6	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
≥ 6000	70.6	73.7	74.1	74.2	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 5000	71.5	75.3	75.6	75.7	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.3
≥ 4500	71.7	75.6	75.9	76.0	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.6
≥ 4000	72.5	76.7	77.1	77.2	77.4	77.4	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.8
≥ 3500	73.1	77.7	78.2	78.4	78.6	78.6	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	79.0
≥ 3000	74.2	79.0	79.6	79.8	80.1	80.1	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ 2500	76.1	81.3	82.0	82.2	82.4	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.9
≥ 2000	78.9	84.7	85.4	85.6	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.3	86.4
≥ 1800	80.4	86.6	87.3	87.6	87.9	87.9	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 1500	83.1	89.8	90.5	90.8	91.2	91.2	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.6
≥ 1200	84.9	92.6	93.4	93.8	94.2	94.2	94.3	94.3	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.7
≥ 1000	86.5	94.7	95.7	96.1	96.6	96.6	96.7	96.7	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.1
≥ 900	86.6	94.9	95.9	96.4	96.9	96.9	97.0	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.3	97.4
≥ 800	86.8	95.4	96.5	97.0	97.5	97.5	97.6	97.6	97.6	97.8	97.9	97.9	97.9	97.9	98.0	98.1
≥ 700	86.8	95.5	96.8	97.2	97.8	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.3
≥ 600	87.0	95.8	97.0	97.5	98.1	98.1	98.2	98.2	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.6
≥ 500	87.0	96.1	97.5	98.0	98.6	98.6	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.2
≥ 400	87.1	96.2	97.6	98.1	98.7	98.7	98.9	99.0	99.0	99.2	99.3	99.3	99.3	99.4	99.4	99.6
≥ 300	87.1	96.3	97.7	98.2	98.8	98.8	99.0	99.1	99.1	99.3	99.4	99.4	99.4	99.5	99.5	99.7
≥ 200	87.1	96.3	97.8	98.3	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.7	99.7	99.8
≥ 100	87.1	96.3	97.8	98.3	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.7	99.7	99.9
≥ 0	87.1	96.3	97.8	98.3	98.9	98.9	99.1	99.2	99.2	99.4	99.5	99.5	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1817

ALLIED/EGRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45, 49-64
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	34.3	37.1	37.5	37.8	37.8	37.8	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
IV 20000	47.4	51.5	52.0	52.4	52.5	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2
IV 18000	47.4	51.5	52.0	52.4	52.5	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2
IV 16000	47.4	51.5	52.0	52.4	52.5	52.5	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2
IV 14000	48.1	52.4	53.0	53.5	53.6	53.6	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3
IV 12000	49.2	53.7	54.2	54.8	54.9	54.9	55.3	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6
IV 10000	50.3	55.1	55.7	56.3	56.4	56.4	56.9	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2
IV 9000	51.1	56.2	56.8	57.4	57.5	57.5	58.0	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3
IV 8000	51.6	57.1	57.9	58.5	58.7	58.7	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
IV 7000	52.1	57.8	58.6	59.2	59.4	59.4	59.9	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
IV 6000	52.6	58.6	59.4	60.0	60.2	60.2	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0
IV 5000	53.7	60.1	60.8	61.5	61.7	61.7	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5
IV 4500	54.0	60.6	61.4	62.0	62.2	62.2	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0
IV 4000	55.0	61.7	62.5	63.1	63.3	63.3	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
IV 3500	55.8	62.9	63.7	64.5	64.6	64.6	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.5	65.5
IV 3000	57.5	64.8	65.6	66.4	66.6	66.6	67.1	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.5
IV 2500	59.9	67.5	68.5	69.3	69.5	69.5	70.0	70.1	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4
IV 2000	64.4	73.0	74.1	75.2	75.4	75.4	75.9	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.4	76.4
IV 1800	66.5	75.3	76.5	77.5	77.7	77.7	78.2	78.4	78.4	78.4	78.5	78.7	78.7	78.7	78.7	78.7
IV 1500	71.7	81.2	82.5	83.6	83.8	83.8	84.3	84.5	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8
IV 1200	76.0	86.8	88.1	89.2	89.5	89.5	90.0	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.5
IV 1000	77.5	88.9	90.4	91.6	92.1	92.1	92.6	92.7	92.7	92.7	92.9	93.1	93.1	93.1	93.2	93.2
IV 900	77.9	89.5	91.2	92.4	92.8	92.9	93.4	93.6	93.6	93.7	93.9	93.9	93.9	93.9	94.0	94.0
IV 800	78.4	90.4	92.2	93.6	94.1	94.2	94.7	94.8	94.8	95.0	95.2	95.2	95.2	95.2	95.3	95.3
IV 700	78.6	90.5	92.5	93.8	94.6	94.6	95.1	95.3	95.3	95.4	95.6	95.6	95.7	95.7	95.8	95.8
IV 600	78.8	91.1	93.2	94.7	95.4	95.5	96.0	96.2	96.2	96.4	96.6	96.6	96.7	96.7	96.8	96.8
IV 500	78.9	91.3	93.6	95.1	96.0	96.0	96.6	97.0	97.0	97.2	97.4	97.4	97.5	97.5	97.6	97.6
IV 400	79.0	91.6	94.1	95.6	96.5	96.5	97.1	97.6	97.6	97.8	98.0	98.0	98.2	98.2	98.3	98.3
IV 300	79.1	91.7	94.2	95.8	96.7	96.8	97.5	98.0	98.0	98.2	98.5	98.5	98.6	98.6	98.7	98.7
IV 200	79.1	91.7	94.2	95.9	96.8	96.9	97.6	98.1	98.1	98.5	98.7	98.7	98.9	99.0	99.1	99.1
IV 100	79.1	91.7	94.2	95.9	96.9	96.9	97.7	98.2	98.2	98.6	98.8	98.8	99.1	99.2	99.4	99.4
IV 0	79.1	91.7	94.2	95.9	96.9	96.9	97.7	98.2	98.2	98.6	98.8	98.8	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1818

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

G6GC-080C
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	22.6	27.8	28.5	28.8	29.1	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000	33.7	42.0	43.2	43.7	44.1	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 18000	33.8	42.1	43.3	43.7	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
≥ 16000	33.8	42.1	43.3	43.7	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
≥ 14000	34.1	42.7	43.9	44.3	44.7	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.1
≥ 12000	34.9	44.0	45.3	45.7	46.1	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
≥ 10000	36.7	46.8	48.2	48.8	49.2	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6
≥ 9000	37.2	47.6	49.1	49.7	50.1	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.5
≥ 8000	37.5	48.2	49.7	50.3	50.7	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	38.6	49.3	50.8	51.4	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2
≥ 6000	39.5	50.3	51.9	52.5	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 5000	40.5	51.6	53.1	53.7	54.1	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6
≥ 4500	40.9	52.3	53.8	54.4	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2
≥ 4000	41.6	53.4	55.0	55.6	55.9	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4
≥ 3500	42.1	54.1	55.6	56.2	56.6	56.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1
≥ 3000	43.5	56.1	57.6	58.3	58.7	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.3
≥ 2500	45.9	59.4	61.2	61.9	62.3	62.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	63.0	63.0
≥ 2000	50.1	64.7	66.8	67.7	68.1	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.9	68.9
≥ 1800	51.8	66.7	68.8	69.7	70.1	70.2	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.9	70.9	71.0	71.0
≥ 1500	55.8	71.7	73.9	74.9	75.4	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.3
≥ 1200	59.7	78.3	81.0	82.1	82.7	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.6	83.6
≥ 1000	63.0	82.9	86.1	87.6	88.4	88.5	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3	89.4	89.4
≥ 900	63.8	84.6	87.8	89.6	90.5	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.5	91.5	91.6	91.6
≥ 800	64.4	86.3	89.9	92.0	93.0	93.1	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.2	94.3
≥ 700	64.7	87.0	90.8	92.8	94.1	94.2	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.4	95.4	95.5	95.6
≥ 500	64.7	87.3	91.3	93.5	94.9	95.2	96.0	96.3	96.3	96.4	96.4	96.4	96.4	96.6	96.6	96.8	96.8
≥ 400	64.9	87.7	91.8	94.1	95.8	96.0	97.0	97.3	97.4	97.4	97.4	97.5	97.5	97.7	97.7	97.9	97.9
≥ 300	64.9	87.8	91.9	94.3	96.0	96.2	97.3	97.6	97.7	98.0	98.2	98.2	98.2	98.4	98.4	98.5	98.6
≥ 200	64.9	87.9	92.0	94.4	96.2	96.4	97.6	98.0	98.1	98.4	98.6	98.6	98.6	98.8	98.8	99.0	99.0
≥ 100	64.9	87.9	92.1	94.5	96.3	96.5	97.7	98.1	98.1	98.7	99.0	99.0	99.0	99.4	99.4	99.5	99.7
≥ 0	64.9	87.9	92.1	94.5	96.3	96.5	97.7	98.1	98.1	98.7	99.0	99.0	99.0	99.4	99.4	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 1818

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.5	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	45.7	48.1	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	48.5
≥ 18000	45.7	48.1	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	48.5
≥ 16000	45.7	48.1	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	48.5
≥ 14000	47.1	49.8	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	50.2
≥ 12000	48.3	51.2	51.4	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	50.3	54.1	54.3	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 9000	50.7	54.5	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 8000	51.3	55.1	55.4	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
≥ 7000	51.9	55.9	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	52.9	56.9	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	53.7	58.1	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	54.1	58.7	59.0	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4000	55.1	60.1	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	56.3	61.4	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3000	60.9	66.6	66.8	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500	66.1	72.6	72.9	73.3	73.5	73.5	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2000	72.3	79.9	80.3	80.6	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	73.5	81.5	81.9	82.3	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	77.2	86.4	87.0	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	79.8	90.4	91.1	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	81.1	92.8	93.8	94.7	95.3	95.3	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	81.4	93.5	94.7	95.6	96.3	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	81.6	94.2	95.4	96.4	97.2	97.2	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	81.7	94.4	95.8	97.0	97.7	97.7	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	81.7	94.6	96.0	97.2	98.0	98.0	98.3	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	81.7	94.9	96.4	97.6	98.6	98.6	99.0	99.0	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3
≥ 400	81.7	94.9	96.4	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.4	99.7	99.7	99.8	99.8	99.8
≥ 300	81.7	94.9	96.4	97.8	98.8	98.9	99.3	99.3	99.3	99.3	99.4	99.7	99.7	99.8	99.8	99.8
≥ 200	81.7	94.9	96.4	97.8	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9
≥ 100	81.7	94.9	96.4	97.8	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.8	99.8	99.9	99.9	99.9
≥ 0	81.7	94.9	96.4	97.8	98.9	99.0	99.3	99.4	99.4	99.4	99.6	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1818

ALLIED COPY BUSINESS SYSTEMS

150525

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

MAY
 MONTH

1200-1400
 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.8	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	54.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	54.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	54.8	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	56.2	57.5	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
≥ 12000	58.1	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	59.6	61.2	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	60.0	61.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	60.6	62.3	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	62.5
≥ 7000	61.1	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	61.7	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 5000	63.5	65.5	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4500	65.1	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4000	68.8	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	72.7	75.4	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	78.6	81.8	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	83.3	87.3	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	86.4	91.4	91.9	92.2	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800	87.4	92.5	93.1	93.4	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	88.5	94.0	94.7	95.0	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7
≥ 1200	89.3	95.4	96.1	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1
≥ 1000	89.5	95.8	96.6	96.9	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	89.6	96.0	96.9	97.2	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 800	89.7	96.3	97.1	97.5	98.1	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	89.9	96.8	97.6	97.9	98.6	98.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	89.9	96.8	97.6	98.0	98.7	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 500	89.9	96.9	97.8	98.2	99.0	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 400	89.9	96.9	97.8	98.4	99.1	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 300	90.0	97.0	97.9	98.4	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	90.0	97.0	97.9	98.5	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	90.0	97.0	97.9	98.5	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	90.0	97.0	97.9	98.5	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1821

ALLIED/EGY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.1	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	62.9	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 18000	63.1	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 16000	63.2	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 14000	64.9	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 12000	67.3	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 10000	69.6	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 9000	70.1	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	71.2	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	71.6	73.5	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	72.1	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	74.8	77.0	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4500	76.4	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3
≥ 4000	80.7	83.5	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2
≥ 3500	83.4	86.5	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2
≥ 3000	86.2	89.5	89.7	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2
≥ 2500	88.5	92.1	92.4	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	89.5	93.3	93.6	93.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5
≥ 1800	90.2	94.2	94.5	94.7	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	90.7	94.9	95.2	95.5	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 1200	91.2	95.9	96.4	96.7	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
≥ 1000	91.4	96.2	96.8	97.1	97.7	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	91.4	96.3	96.9	97.4	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 800	91.7	96.7	97.3	97.8	98.4	98.5	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 700	91.8	96.8	97.5	98.0	98.7	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	91.8	96.9	97.6	98.2	98.8	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 500	91.8	97.0	97.7	98.4	99.1	99.1	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	91.8	97.1	97.9	98.6	99.3	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1821

ALLIED/COPY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS - LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	47.1	47.9	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	
≥ 20000	73.8	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
W 18000	73.8	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
W 16000	73.9	75.7	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	
W 14000	75.1	76.9	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	
W 12000	76.8	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	
W 10000	78.1	80.5	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	
W 9000	78.4	80.7	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	
W 8000	79.2	81.7	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	
W 7000	80.6	83.1	83.3	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
W 6000	80.9	83.7	84.0	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
W 5000	82.3	85.3	85.7	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
W 4500	83.2	86.4	86.8	87.0	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
W 4000	85.3	89.0	89.4	89.6	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
W 3500	86.2	90.2	90.6	90.8	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	
W 3000	88.1	92.3	92.8	93.0	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
W 2500	88.9	93.5	93.9	94.1	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
W 2000	89.8	94.7	95.2	95.4	96.0	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
W 1800	90.0	95.0	95.5	95.8	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
W 1500	90.2	95.4	96.0	96.3	96.3	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
W 1200	90.3	95.7	96.3	96.7	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
W 1000	90.7	96.3	97.1	97.5	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
W 900	90.7	96.5	97.3	97.7	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
W 800	90.8	96.7	97.5	97.9	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
W 700	90.8	96.7	97.6	98.1	98.7	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
W 600	90.8	96.8	97.7	98.2	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
W 500	90.8	96.9	97.9	98.4	99.0	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	
W 400	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	
W 300	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	
W 200	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	
W 100	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	
W 0	90.8	97.1	98.1	98.6	99.3	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	

TOTAL NUMBER OF OBSERVATIONS

1821

ALLIED/BURT BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.7	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 20000	73.7	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 18000	73.7	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 16000	73.7	75.9	75.9	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 14000	74.6	76.9	76.9	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 12000	76.1	78.5	78.6	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 10000	77.5	80.1	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 9000	78.0	80.8	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
IV 8000	79.1	82.2	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
IV 7000	80.0	83.4	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 6000	80.6	84.3	84.4	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 5000	82.0	86.0	86.2	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
IV 4500	82.5	86.5	86.8	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
IV 4000	83.8	88.3	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
IV 3500	84.8	89.7	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7
IV 3000	85.9	90.9	91.3	91.6	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
IV 2500	86.8	92.4	92.8	93.1	93.2	93.2	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6
IV 2000	88.2	94.5	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.6
IV 1800	88.4	94.7	95.1	95.4	95.5	95.5	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500	88.7	95.2	95.7	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
IV 1200	89.1	96.0	96.4	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4
IV 1000	89.6	96.6	97.0	97.5	97.6	97.6	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	89.7	96.8	97.3	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	89.8	97.0	97.4	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	89.9	97.3	97.7	98.2	98.5	98.5	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	90.0	97.5	97.9	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
IV 500	90.0	97.5	97.9	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
IV 400	90.0	97.5	97.9	98.6	99.2	99.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7
IV 300	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8
IV 200	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8
IV 100	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8
IV 0	90.0	97.5	98.0	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 1820

ALLIED/SOVI BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/10	≥ ¼	≥ 0
NO CEILING	58.1	59.4	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	77.9	79.4	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 18000	77.9	79.4	79.6	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 16000	78.0	79.7	79.8	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 14000	79.4	81.3	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 12000	81.5	83.5	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	83.2	85.3	85.5	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 9000	83.7	85.8	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 8000	84.2	86.3	86.5	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 7000	84.9	87.1	87.3	87.5	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	85.4	87.7	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000	86.3	88.7	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 4500	86.4	88.9	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000	87.0	89.6	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500	87.1	89.8	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	87.5	90.2	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2500	88.7	91.4	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2000	90.0	92.9	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	90.4	93.4	93.8	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	92.0	95.1	95.6	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	92.9	96.1	96.6	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	93.3	96.6	97.1	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	93.7	97.0	97.5	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	94.0	97.3	97.8	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	94.2	97.6	98.1	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	94.2	97.6	98.2	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	94.4	97.9	98.5	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	94.4	98.0	98.6	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	94.4	98.1	98.7	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	94.4	98.1	98.7	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	94.4	98.2	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	94.4	98.2	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1799

ALLIED/FGUY BUSINESS SYSTEMS

150373

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.0	49.8	49.9	50.2	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
≥ 20000	62.4	64.8	65.1	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
≥ 18000	62.4	64.8	65.1	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
≥ 16000	62.5	64.9	65.1	65.5	65.5	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0
≥ 14000	63.4	65.9	66.1	66.5	66.5	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1
≥ 12000	66.0	68.7	68.9	69.3	69.3	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	69.9
≥ 10000	67.0	70.1	70.3	70.8	70.8	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
≥ 9000	67.7	70.8	71.1	71.5	71.5	71.5	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0
≥ 8000	68.5	71.7	71.9	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.9
≥ 7000	69.2	72.3	72.6	73.0	73.0	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5
≥ 6000	69.6	72.8	73.0	73.4	73.4	73.4	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	74.0
≥ 5000	70.2	73.8	74.0	74.4	74.4	74.4	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0
≥ 4500	70.6	74.2	74.4	74.8	74.8	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 4000	71.0	74.6	74.8	75.3	75.3	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
≥ 3500	71.3	75.0	75.3	75.7	75.7	75.7	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3
≥ 3000	72.7	76.4	76.7	77.2	77.2	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7
≥ 2500	74.2	78.2	78.4	78.9	79.0	79.0	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.6
≥ 2000	76.6	80.9	81.3	81.8	81.9	81.9	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5
≥ 1900	77.9	82.3	82.8	83.3	83.3	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
≥ 1500	81.4	86.3	86.8	87.5	87.6	87.6	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 1200	84.7	90.2	90.8	91.5	91.6	91.6	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3
≥ 1000	86.2	91.9	92.6	93.4	93.6	93.6	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3
≥ 900	87.2	93.3	93.9	94.8	94.9	94.9	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 800	88.1	94.3	94.9	95.8	96.1	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8
≥ 700	88.4	94.7	95.3	96.2	96.4	96.4	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.3
≥ 600	89.0	95.3	96.1	97.1	97.3	97.3	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 500	89.2	95.8	96.6	97.7	97.9	97.9	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 400	89.2	95.9	96.8	98.0	98.3	98.3	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 300	89.2	96.1	96.9	98.2	98.6	98.6	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 200	89.3	96.1	97.0	98.3	98.6	98.6	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 100	89.3	96.1	97.0	98.3	98.6	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 0	89.3	96.1	97.0	98.3	98.6	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1800

ALLIED/BGNY BUSINESS SYSTEMS

150073

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

BILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
 HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.6	38.3	38.7	39.2	39.3	39.3	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	46.4	52.8	53.4	54.2	54.2	54.3	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	46.4	52.8	53.4	54.2	54.2	54.3	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	46.7	53.1	53.7	54.4	54.5	54.6	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	47.4	54.0	54.7	55.4	55.5	55.5	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	49.8	56.5	57.2	57.9	58.0	58.0	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 10000	51.6	58.3	59.0	59.7	59.8	59.8	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	51.9	58.7	59.4	60.1	60.2	60.2	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	52.9	59.8	60.5	61.2	61.2	61.3	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	53.5	60.3	61.1	61.8	61.8	61.9	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	53.8	60.7	61.4	62.1	62.2	62.2	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000	54.8	61.8	62.5	63.3	63.4	63.5	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4500	55.1	62.2	63.0	63.8	63.9	64.0	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	55.6	62.7	63.4	64.2	64.3	64.4	64.8	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 3500	56.2	63.4	64.1	65.0	65.1	65.1	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	57.0	64.2	64.9	65.7	65.9	65.9	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 2500	58.8	66.4	67.1	67.9	68.0	68.1	68.5	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8
≥ 2000	61.1	69.0	69.7	70.6	70.8	70.9	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	63.0	70.9	71.7	72.7	72.9	72.9	73.4	73.5	73.5	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥ 1500	67.9	76.8	77.9	78.9	79.1	79.2	79.6	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0
≥ 1200	72.8	82.4	83.7	84.9	85.3	85.4	85.9	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	77.7	88.5	89.8	91.0	91.5	91.6	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 900	78.8	89.9	91.3	92.5	93.1	93.2	93.8	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2
≥ 800	80.0	91.7	93.0	94.4	95.0	95.1	95.7	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	80.4	92.2	93.8	95.2	95.9	96.0	96.7	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	80.5	92.7	94.4	95.8	96.8	96.8	97.5	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	80.9	93.3	95.2	96.7	97.7	97.7	98.4	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	80.9	93.5	95.4	97.0	98.1	98.2	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	80.9	93.7	95.6	97.2	98.3	98.4	99.1	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	80.9	93.7	95.7	97.3	98.4	98.5	99.2	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	80.9	93.7	95.7	97.3	98.4	98.5	99.2	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	80.9	93.7	95.7	97.3	98.4	98.5	99.2	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1798

ALLIED/EGRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928 WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

JUN

STATION STATION NAME YEARS MONTH HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.8	40.0	40.3	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	52.6	54.2	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	52.6	54.2	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	52.9	54.5	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	54.1	55.8	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	56.4	58.3	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	58.3	60.4	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 9000	58.5	60.5	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	59.4	61.4	61.8	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	59.8	61.8	62.1	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	60.0	62.2	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	60.8	63.1	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 4500	60.9	63.3	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 4000	62.5	64.8	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3500	64.8	67.2	67.6	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3000	69.0	71.6	72.0	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2500	75.7	78.7	79.3	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	81.3	85.0	85.6	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	84.2	88.0	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1500	87.8	92.1	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	90.3	95.3	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	91.3	96.4	97.4	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	91.4	96.7	97.7	97.9	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	91.6	97.1	98.2	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	91.7	97.3	98.4	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	91.8	97.4	98.6	98.9	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	91.8	97.5	98.8	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	91.8	97.5	98.9	99.2	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1799

ALLIED/FORT BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES GONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	41.7	42.2	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	58.5	59.2	59.3	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 18000	58.6	59.3	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
≥ 16000	58.7	59.4	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 14000	59.9	60.6	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	62.7	63.7	63.8	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
≥ 10000	63.8	64.9	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	64.1	65.1	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 8000	64.4	65.5	65.5	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
≥ 7000	64.8	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	66.2
≥ 6000	65.4	66.5	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	67.4	68.7	68.8	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
≥ 4500	69.9	71.2	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	77.3	78.6	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	83.2	85.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000	88.6	90.6	90.7	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	91.8	94.2	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	93.5	96.2	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800	93.9	96.7	96.9	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	94.4	97.4	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	94.7	97.8	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	94.8	97.9	98.4	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	94.9	98.0	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	95.1	98.3	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 700	95.1	98.4	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.3	98.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1799

ALLIED/EGW BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	50.0	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	73.1	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 18000	73.1	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 16000	73.4	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 14000	74.4	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000	77.0	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 10000	78.1	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	78.5	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000	79.2	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 7000	79.6	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 6000	80.1	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 5000	82.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 4500	84.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	88.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 3500	91.1	93.5	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	92.8	95.6	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	93.9	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	94.5	97.4	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	94.6	97.6	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	94.8	97.8	97.9	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	94.9	97.9	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	95.1	98.3	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	95.1	98.3	98.3	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	95.3	98.7	98.7	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	95.6	99.1	99.2	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	95.6	99.2	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.6	99.2	99.2	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1800

ALLIED/ECRT BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
∞ CEILING	56.0	57.5	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	57.7
∞ 20000	81.8	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
∞ 18000	81.8	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
∞ 16000	81.9	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
∞ 14000	83.0	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
∞ 12000	86.1	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
∞ 10000	87.5	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
∞ 9000	87.7	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
∞ 8000	88.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
∞ 7000	89.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
∞ 6000	89.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
∞ 5000	90.1	92.2	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
∞ 4500	90.4	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
∞ 4000	91.8	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
∞ 3500	92.5	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
∞ 3000	93.2	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
∞ 2500	93.8	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
∞ 2000	94.1	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
∞ 1800	94.2	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
∞ 1500	94.4	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
∞ 1200	94.7	97.7	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
∞ 1000	94.8	97.9	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
∞ 900	95.0	98.1	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
∞ 800	95.2	98.3	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
∞ 700	95.2	98.5	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
∞ 600	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
∞ 500	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 400	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 300	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 200	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 100	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
∞ 0	95.2	98.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1798

ALLIED/EGW BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	61.2	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 2000	84.1	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1800	84.1	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1600	84.3	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1400	85.1	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200	87.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 10000	88.6	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 9000	89.0	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 8000	89.5	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 7000	89.9	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 6000	90.5	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 5000	91.4	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4500	91.8	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 4000	92.7	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	92.9	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3000	93.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	93.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	94.2	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	94.4	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	94.5	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	94.5	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	94.7	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	94.9	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	95.0	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	95.0	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	95.1	98.9	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	95.1	99.2	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	95.1	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	95.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	95.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	95.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	95.1	99.3	99.5	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1797

1210WS FORM 0-14-5 (Det 50) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ILLUSTRATED BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	67.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 20000	88.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 18000	88.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 16000	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 14000	89.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 12000	91.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 10000	92.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 9000	93.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 8000	94.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 7000	94.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000	94.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 5000	95.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 4500	95.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 4000	95.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	95.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3000	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	96.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	96.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	97.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	97.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	97.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	98.0	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	98.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1859

ALLIED/FERTY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	60.5	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 20000	77.9	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1
≥ 18000	78.0	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
≥ 16000	78.2	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 14000	79.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 12000	82.0	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	84.0	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7
≥ 9000	84.3	86.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 8000	85.4	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2
≥ 7000	85.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5
≥ 6000	86.0	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
≥ 5000	86.4	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
≥ 4500	86.6	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6
≥ 4000	86.8	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
≥ 3500	86.9	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000	87.4	90.0	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	87.7	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
≥ 2000	88.9	91.8	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
≥ 1800	89.4	92.3	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
≥ 1500	91.1	94.1	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
≥ 1200	92.2	95.6	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
≥ 1000	93.1	96.8	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 900	93.3	97.1	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	93.6	97.6	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	93.9	98.0	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 600	94.0	98.2	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	94.2	98.4	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
≥ 400	94.2	98.5	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 200	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 0	94.2	98.5	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 1859

ALLIED/BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	48.5	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	64.0	69.4	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 18000	64.0	69.4	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 16000	64.4	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	65.7	71.5	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 12000	69.4	75.2	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	75.9
≥ 10000	71.3	77.4	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 9000	71.7	77.8	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
≥ 8000	72.8	79.2	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 7000	73.3	79.7	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 6000	73.4	79.9	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5000	73.8	80.5	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4500	74.2	80.9	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	74.4	81.2	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 3500	74.7	81.6	82.3	82.5	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	75.2	82.0	82.8	83.0	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	75.4	82.4	83.2	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2000	76.8	84.0	84.8	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	77.5	84.7	85.5	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1500	79.9	87.4	88.3	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8
≥ 1200	82.4	90.2	91.2	91.5	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8
≥ 1000	84.7	92.8	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 900	85.3	93.7	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	86.3	94.8	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	87.1	95.7	96.9	97.4	97.7	97.7	97.7	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	87.6	96.4	97.7	98.2	98.5	98.5	98.5	98.6	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9
≥ 500	87.8	96.9	98.2	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	87.9	97.1	98.4	98.9	99.3	99.3	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	87.9	97.1	98.5	99.0	99.4	99.4	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIANCE BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	48.4	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	49.2	49.2
IV 20000	66.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 18000	67.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 16000	67.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	69.1	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	72.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 10000	74.9	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 9000	75.0	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 8000	76.0	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 7000	76.1	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 6000	76.4	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	76.9	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 4500	77.4	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 4000	78.4	80.7	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 3500	80.1	82.4	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 3000	82.9	85.3	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 2500	86.4	88.8	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	88.9	91.5	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800	90.5	93.2	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	92.6	95.4	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	94.4	97.4	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1000	94.6	97.8	98.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	94.8	98.1	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 800	94.9	98.3	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	94.9	98.3	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	94.9	98.3	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	94.9	98.3	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	94.9	98.3	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	
≥ 20000	68.6	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	
IV 18000	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
IV 16000	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
IV 14000	70.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	
IV 12000	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	
IV 10000	73.8	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
IV 9000	74.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	
IV 8000	74.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
IV 7000	74.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	
IV 6000	75.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	
IV 5000	79.1	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	
IV 4500	81.3	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
IV 4000	87.0	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	
IV 3500	90.1	91.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	
IV 3000	93.2	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
IV 2500	94.7	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
IV 2000	95.9	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
IV 1800	96.0	98.0	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
IV 1500	96.3	98.4	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
IV 1200	96.6	98.7	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
IV 1000	96.7	98.9	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
IV 900	96.7	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
IV 800	96.7	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
IV 700	96.7	98.9	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	
IV 600	96.7	98.9	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	
IV 500	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
IV 400	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
IV 300	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
IV 200	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
IV 100	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	
IV 0	96.8	99.0	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	

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 ASHEVILLE, N. C. 28801

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STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 20000	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
IV 18000	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 16000	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5
IV 14000	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 12000	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 10000	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
IV 9000	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
IV 8000	84.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
IV 7000	85.0	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
IV 6000	87.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
IV 5000	90.3	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 4500	91.3	92.5	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 4000	94.3	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
IV 3500	95.1	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
IV 3000	96.0	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1
IV 2500	96.4	98.1	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 2000	96.9	98.6	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1800	97.2	99.0	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	97.4	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	97.4	99.2	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	97.5	99.2	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	97.5	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

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1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	82.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 18000	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 16000	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 14000	85.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 12000	88.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 10000	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 9000	90.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 8000	91.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 7000	92.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 6000	93.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 5000	94.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 4500	94.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 4000	95.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500	95.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	96.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2500	96.3	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2000	96.6	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	96.6	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	96.8	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	96.8	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/TECH BUSINESS SYSTEMS

15022

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	88.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
18000	88.3	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
16000	88.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
14000	89.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
12000	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
10000	93.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
9000	93.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
8000	94.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
7000	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
6000	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
5000	95.3	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
4500	95.5	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
4000	96.0	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
3500	96.3	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
3000	97.0	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2500	97.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2000	97.6	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1800	97.6	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1500	97.7	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
1200	97.8	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	97.8	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.8	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1857

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	62.1	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	62.4	62.4
≥ 20000	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 16000	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 14000	83.6	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 12000	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 10000	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
IV 9000	89.2	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IV 8000	90.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 7000	90.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 6000	90.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 5000	91.6	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 4500	91.9	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 4000	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 3500	93.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 3000	94.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 2500	94.8	95.9	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 2000	95.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	95.3	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500	95.7	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1200	95.8	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1000	96.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 900	96.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
IV 800	96.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	96.6	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
IV 600	96.6	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
IV 500	96.7	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IV 400	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 300	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 200	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	96.7	99.1	99.3	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1800

ALLIED/ECRY BUSINESS SYSTEMS

155523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	56.2	58.1	58.6	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0
IV 20000	74.1	76.3	76.7	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
V 18000	74.1	76.4	76.9	77.0	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
IV 16000	74.3	76.6	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
V 14000	75.1	77.4	77.8	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.3
IV 12000	76.1	78.6	79.0	79.1	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4
V 10000	77.7	80.3	80.7	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
IV 9000	78.1	80.8	81.2	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6
V 8000	78.7	81.4	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
IV 7000	79.1	81.9	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7
V 6000	80.0	82.7	83.2	83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
IV 5000	81.2	84.2	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
V 4500	81.5	84.6	85.1	85.3	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.6
IV 4000	82.4	85.7	86.3	86.4	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	86.8
V 3500	83.0	86.5	87.1	87.2	87.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
IV 3000	83.3	87.2	87.9	88.0	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4
V 2500	83.9	87.9	88.7	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2
IV 2000	85.8	90.2	90.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
V 1800	86.4	90.9	91.7	91.8	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 1500	87.6	92.2	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5
V 1200	89.3	94.2	95.0	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6
IV 1000	90.3	95.8	96.8	96.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
V 900	90.4	96.1	97.1	97.3	97.4	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
IV 800	90.7	96.6	97.7	97.9	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4
V 700	90.7	96.9	98.1	98.4	98.5	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
IV 600	90.7	97.1	98.3	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3
V 500	90.7	97.3	98.5	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
IV 400	90.9	97.4	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
V 300	90.9	97.4	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6
IV 200	90.9	97.4	98.7	99.0	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7
V 100	90.9	97.4	98.7	99.0	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.8
IV 0	90.9	97.4	98.7	99.0	99.2	99.3	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1858

ALLIED/EGY BUSINESS SYSTEMS

150022

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	51.5	54.3	55.1	55.3	55.9	55.7	55.7	55.7	55.7	55.9	55.9	55.9	56.1	56.1	56.3	56.3
≥ 20000	65.4	69.2	70.2	70.6	70.9	71.0	71.1	71.1	71.1	71.3	71.3	71.3	71.5	71.5	71.7	71.7
≥ 18000	65.4	69.2	70.2	70.6	70.9	71.0	71.1	71.1	71.1	71.3	71.3	71.3	71.5	71.5	71.7	71.7
≥ 16000	65.4	69.3	70.2	70.6	70.9	71.1	71.1	71.1	71.1	71.3	71.3	71.3	71.6	71.6	71.7	71.8
≥ 14000	66.9	70.8	71.7	72.1	72.4	72.5	72.6	72.6	72.6	72.8	72.8	72.8	73.0	73.0	73.2	73.2
≥ 12000	67.8	71.7	72.6	73.1	73.3	73.5	73.5	73.5	73.5	73.8	73.8	73.8	74.0	74.0	74.1	74.2
≥ 10000	69.5	73.5	74.5	74.9	75.2	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.8	75.8	76.0	76.0
≥ 9000	70.2	74.3	75.2	75.6	75.9	76.1	76.1	76.1	76.1	76.3	76.3	76.3	76.6	76.6	76.7	76.8
≥ 8000	71.0	75.2	76.1	76.6	76.8	77.0	77.0	77.0	77.0	77.3	77.3	77.3	77.5	77.5	77.6	77.7
≥ 7000	71.5	75.6	76.6	77.0	77.3	77.5	77.5	77.5	77.5	77.7	77.7	77.7	78.0	78.0	78.1	78.2
≥ 6000	71.7	75.9	76.9	77.3	77.6	77.7	77.8	77.8	77.8	78.0	78.0	78.0	78.2	78.2	78.4	78.4
≥ 5000	72.5	76.8	77.8	78.3	78.5	78.7	78.8	78.8	78.8	79.0	79.0	79.0	79.2	79.2	79.4	79.4
≥ 4500	72.6	76.8	77.9	78.3	78.6	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.2	79.2	79.4	79.5
≥ 4000	73.3	77.8	78.9	79.4	79.7	79.8	79.9	79.9	79.9	80.2	80.2	80.2	80.4	80.4	80.5	80.6
≥ 3500	74.0	78.8	79.9	80.3	80.6	80.8	81.0	81.0	81.0	81.2	81.2	81.2	81.4	81.4	81.6	81.6
≥ 3000	74.6	79.5	80.6	81.1	81.4	81.6	81.7	81.7	81.7	81.9	81.9	81.9	82.2	82.2	82.4	82.4
≥ 2500	75.5	80.6	81.7	82.2	82.5	82.7	82.8	82.8	82.8	83.1	83.1	83.1	83.3	83.3	83.5	83.5
≥ 2000	77.5	82.8	83.9	84.5	84.8	84.9	85.1	85.1	85.1	85.3	85.3	85.3	85.5	85.5	85.8	85.8
≥ 1800	78.2	83.4	84.6	85.1	85.4	85.6	85.8	85.8	85.8	86.0	86.0	86.0	86.2	86.2	86.4	86.5
≥ 1500	79.1	84.7	85.9	86.4	86.7	86.9	87.1	87.1	87.1	87.3	87.3	87.3	87.5	87.5	87.7	87.8
≥ 1200	81.7	87.8	89.0	89.6	89.9	90.1	90.3	90.3	90.3	90.5	90.5	90.5	90.8	90.8	91.0	91.1
≥ 1000	83.0	89.9	91.1	91.7	92.1	92.3	92.5	92.5	92.5	92.7	92.7	92.7	93.0	93.0	93.2	93.3
≥ 900	83.8	91.1	92.3	92.9	93.3	93.4	93.7	93.7	93.7	93.9	93.9	93.9	94.2	94.2	94.4	94.5
≥ 800	84.3	92.2	93.4	94.0	94.5	94.7	94.9	94.9	94.9	95.2	95.2	95.2	95.4	95.4	95.6	95.7
≥ 700	84.6	92.7	94.2	94.8	95.3	95.4	95.7	95.7	95.7	95.9	95.9	95.9	96.2	96.2	96.4	96.5
≥ 600	84.9	93.5	95.0	95.6	96.1	96.2	96.5	96.5	96.5	96.7	96.8	96.8	97.0	97.0	97.3	97.3
≥ 500	85.2	94.0	95.6	96.2	96.8	97.0	97.3	97.3	97.3	97.5	97.5	97.5	97.8	97.8	98.0	98.1
≥ 400	85.4	94.1	95.9	96.6	97.3	97.4	97.7	97.7	97.7	98.0	98.0	98.0	98.3	98.3	98.5	98.5
≥ 300	85.4	94.2	96.0	96.8	97.4	97.6	98.0	98.0	98.0	98.3	98.4	98.4	98.7	98.7	98.9	99.0
≥ 200	85.4	94.2	96.1	96.8	97.5	97.7	98.1	98.2	98.2	98.6	98.7	98.7	99.0	99.0	99.4	99.4
≥ 100	85.4	94.2	96.1	96.8	97.6	97.7	98.1	98.2	98.2	98.7	98.8	98.8	99.2	99.2	99.6	99.7
≥ 0	85.4	94.2	96.1	96.8	97.6	97.7	98.1	98.2	98.2	98.7	98.8	98.8	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/EGY BUSINESS SYSTEMS 150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-1800
HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.4	43.9	45.2	46.0	46.7	46.8	47.1	47.1	47.1	47.2	47.3	47.3	47.3	47.3	47.4	47.6
IV 20000	47.1	57.7	59.7	61.0	62.0	62.1	62.5	62.5	62.5	62.6	62.8	62.8	62.8	62.8	62.9	63.0
IV 18000	47.2	57.8	59.8	61.1	62.1	62.2	62.6	62.6	62.6	62.7	62.9	62.9	62.9	62.9	63.0	63.2
IV 16000	47.2	57.8	59.8	61.2	62.2	62.3	62.6	62.7	62.7	62.8	62.9	62.9	62.9	62.9	63.1	63.2
IV 14000	48.0	58.8	60.8	62.1	63.2	63.3	63.6	63.6	63.6	63.7	63.9	63.9	63.9	63.9	64.1	64.2
IV 12000	49.7	60.6	62.7	64.1	65.1	65.2	65.5	65.6	65.6	65.7	65.8	65.8	65.8	65.8	66.0	66.1
IV 10000	51.5	62.7	64.8	66.1	67.1	67.2	67.6	67.7	67.7	67.8	67.9	67.9	67.9	67.9	68.1	68.2
IV 9000	52.0	63.4	65.6	67.0	68.0	68.1	68.4	68.5	68.5	68.6	68.8	68.8	68.8	68.8	69.0	69.1
IV 8000	52.8	64.6	66.9	68.3	69.4	69.6	69.9	70.0	70.0	70.1	70.3	70.3	70.3	70.3	70.4	70.5
IV 7000	53.7	65.8	68.1	69.5	70.6	70.7	71.1	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.6	71.7
IV 6000	54.5	66.8	69.2	70.6	71.7	71.9	72.2	72.3	72.3	72.4	72.6	72.6	72.6	72.6	72.7	72.8
IV 5000	55.1	67.8	70.3	71.7	72.8	72.9	73.3	73.4	73.4	73.5	73.6	73.6	73.6	73.6	73.8	73.9
IV 4500	55.3	68.0	70.5	72.0	73.1	73.2	73.5	73.6	73.6	73.7	73.9	73.9	73.9	73.9	74.1	74.2
IV 4000	56.1	69.0	71.5	72.9	74.1	74.2	74.6	74.7	74.7	74.8	74.9	74.9	74.9	74.9	75.1	75.2
IV 3500	56.7	69.9	72.5	74.0	75.1	75.3	75.6	75.7	75.7	75.8	76.0	76.0	76.0	76.0	76.1	76.2
IV 3000	57.6	71.0	73.6	75.1	76.3	76.4	76.8	76.9	76.9	77.0	77.2	77.2	77.2	77.2	77.4	77.5
IV 2500	58.5	72.1	74.8	76.4	77.5	77.7	78.1	78.3	78.3	78.4	78.5	78.5	78.6	78.6	78.8	78.9
IV 2000	60.0	73.6	76.4	78.1	79.2	79.4	79.9	80.1	80.1	80.2	80.4	80.4	80.4	80.4	80.6	80.7
IV 1800	60.7	74.4	77.1	78.9	80.0	80.2	80.7	80.8	80.8	81.0	81.1	81.1	81.2	81.2	81.3	81.4
IV 1500	62.1	76.1	78.8	80.6	81.7	81.9	82.6	82.7	82.7	82.8	83.0	83.0	83.1	83.1	83.2	83.3
IV 1200	63.4	78.1	81.0	82.8	84.1	84.2	84.9	85.1	85.1	85.2	85.4	85.4	85.4	85.4	85.6	85.7
IV 1000	64.7	80.3	83.3	85.2	86.5	86.7	87.5	87.6	87.6	87.7	87.9	87.9	88.0	88.0	88.1	88.2
IV 900	65.2	81.4	84.6	86.4	87.8	88.0	88.9	89.0	89.0	89.1	89.3	89.3	89.3	89.3	89.5	89.6
IV 800	65.9	82.7	86.3	88.3	89.7	89.9	90.9	91.1	91.1	91.2	91.3	91.3	91.4	91.4	91.6	91.7
IV 700	66.1	83.6	87.4	89.8	91.4	91.6	92.5	92.7	92.7	92.8	93.0	93.0	93.1	93.1	93.2	93.3
IV 600	66.3	84.5	88.5	91.0	92.9	93.1	94.0	94.2	94.2	94.2	94.4	94.5	94.5	94.6	94.7	94.8
IV 500	66.6	85.0	89.1	91.8	94.0	94.2	95.2	95.4	95.4	95.6	95.8	95.8	95.8	95.8	96.0	96.1
IV 400	66.6	85.2	89.3	92.2	94.6	94.8	95.8	96.1	96.1	96.4	96.6	96.6	96.7	96.7	96.9	97.0
IV 300	66.7	85.3	89.5	92.3	94.8	95.0	96.1	96.4	96.4	96.9	97.0	97.0	97.1	97.1	97.4	97.5
IV 200	66.8	85.4	89.7	92.5	95.0	95.2	96.4	96.8	96.8	97.5	97.6	97.6	97.9	97.9	98.3	98.4
IV 100	66.8	85.4	89.7	92.5	95.1	95.3	96.6	96.9	96.9	97.7	98.0	98.0	98.3	98.3	98.9	99.1
IV 0	66.8	85.4	89.7	92.5	95.1	95.3	96.6	96.9	96.9	97.7	98.0	98.0	98.3	98.3	98.9	99.1

TOTAL NUMBER OF OBSERVATIONS

1859

ALLIED/EGRY BUSINESS SYSTEMS

150573

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.9	46.1	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	56.6	62.6	63.4	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 18000	56.6	62.6	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	56.7	62.7	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000	57.3	63.4	64.2	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 12000	59.4	65.8	66.7	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
≥ 10000	61.1	68.1	69.0	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 9000	61.6	68.6	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000	62.0	69.3	70.2	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 7000	62.8	70.1	71.0	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	63.3	70.9	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	63.8	71.8	72.8	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	64.3	72.3	73.3	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	64.8	72.8	73.9	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	65.5	73.6	74.6	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	67.0	75.3	76.4	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2500	69.5	77.8	79.0	79.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	72.4	81.1	82.6	83.2	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	73.6	82.6	84.0	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1500	75.9	85.5	87.2	87.7	87.7	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	78.4	88.8	90.5	91.3	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	79.6	90.6	92.4	93.3	93.3	93.4	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	80.3	91.5	93.3	94.3	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	80.8	92.5	94.6	95.8	95.9	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	81.1	93.4	95.6	96.8	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600	81.2	93.6	95.8	97.2	97.5	97.6	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 500	81.2	93.8	96.0	97.5	97.9	98.0	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	81.2	93.9	96.3	97.9	98.4	98.5	99.1	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 300	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 200	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 100	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.9	99.9	99.9
≥ 0	81.2	93.9	96.3	97.9	98.4	98.6	99.1	99.3	99.3	99.7	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURE (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.8	47.9	48.0	48.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	64.7	66.3	66.4	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
18000	64.8	66.4	66.5	66.5	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
16000	65.0	66.6	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
14000	65.6	67.3	67.4	67.4	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
12000	67.7	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
10000	70.0	72.0	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
9000	70.5	72.6	72.7	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
8000	71.3	73.6	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
7000	72.0	74.4	74.5	74.5	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
6000	72.5	75.0	75.1	75.1	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
5000	73.2	75.9	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
4500	74.0	77.0	77.1	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4000	76.3	79.6	79.7	79.7	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
3500	79.0	82.4	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
3000	82.1	86.0	86.1	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2500	85.3	89.5	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2000	87.5	91.9	92.1	92.2	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
1800	88.1	92.8	93.1	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
1500	89.2	94.4	94.7	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
1200	90.7	96.1	96.7	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1000	91.1	96.6	97.2	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
900	91.2	96.8	97.4	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
800	91.4	97.3	98.2	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
700	91.6	97.5	98.4	98.8	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
600	91.6	97.5	98.5	99.0	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	91.6	97.6	98.6	99.0	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
400	91.6	97.7	98.7	99.2	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	91.6	97.7	98.7	99.2	99.5	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1859

ALLIED/ECNY BUY-LESS SYSTEMS

150022

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	> 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	> 0
NO CEILING	51.5	52.6	52.7	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
> 20000	70.8	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
V 18000	71.0	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 16000	71.2	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 14000	72.6	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 12000	75.8	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 10000	78.4	79.7	79.8	79.8	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 9000	78.9	80.3	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 8000	79.9	81.3	81.5	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 7000	81.0	82.5	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 6000	81.4	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 5000	82.5	84.3	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 4500	83.0	84.9	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 4000	85.3	87.4	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3500	86.5	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	89.1	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 2500	90.9	93.7	93.9	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	91.9	95.1	95.4	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1800	92.2	95.4	95.8	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	92.6	96.0	96.4	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1200	93.1	96.5	97.0	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1000	93.2	96.6	97.2	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	93.3	96.8	97.3	97.6	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 800	93.5	97.0	97.7	98.0	98.1	98.2	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 700	93.6	97.2	97.8	98.1	98.3	98.4	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600	93.7	97.3	98.0	98.4	98.6	98.8	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	93.7	97.4	98.1	98.5	98.7	98.9	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400	93.9	97.5	98.2	98.7	98.9	99.0	99.2	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.7	99.7
IV 300	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	93.9	97.5	98.2	98.7	98.9	99.0	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 1860

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	55.1	56.2	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 20000	74.9	76.4	76.7	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 18000	75.3	76.8	77.1	77.1	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	75.3	76.9	77.2	77.2	77.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 14000	76.0	77.6	77.9	77.9	77.9	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 12000	79.3	81.0	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 10000	81.5	83.4	83.7	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	82.4	84.3	84.6	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 8000	83.3	85.4	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 7000	84.3	86.4	86.7	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 6000	84.9	86.9	87.3	87.3	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 5000	85.8	88.1	88.5	88.5	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4500	85.9	88.2	88.6	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	87.4	89.8	90.3	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3500	88.2	90.8	91.3	91.3	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3000	89.7	92.5	93.0	93.0	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	90.3	93.7	94.1	94.2	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	91.3	95.0	95.5	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	91.4	95.2	95.6	95.8	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	91.8	95.5	96.2	96.3	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	92.2	96.1	96.8	96.9	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	92.6	96.6	97.3	97.4	97.6	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	92.7	96.8	97.5	97.6	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	92.9	97.0	97.7	97.8	98.1	98.1	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	93.1	97.4	98.1	98.2	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	93.1	97.5	98.3	98.4	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	93.1	97.5	98.3	98.5	98.8	98.8	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	93.1	97.5	98.3	98.5	98.9	98.9	99.4	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	93.1	97.5	98.3	98.5	98.9	98.9	99.5	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	93.1	97.5	98.4	98.6	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	93.1	97.5	98.4	98.6	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	93.1	97.5	98.4	98.6	99.0	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1859

ALLEN/EGY BUSINESS SYSTEMS
 150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,49-64
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	59.2	61.0	61.1	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5	
V 20000	78.2	80.3	80.4	80.5	80.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	
V 18000	78.4	80.5	80.6	80.8	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	
V 16000	78.6	80.7	80.8	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	
V 14000	79.3	81.5	81.6	81.7	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
V 12000	81.1	83.3	83.4	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	
V 10000	83.0	85.2	85.3	85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	
V 9000	83.7	85.9	86.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
V 8000	83.9	86.3	86.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	
V 7000	84.4	86.8	86.9	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	
V 6000	85.1	87.7	87.8	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	
V 5000	86.1	89.2	89.4	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
V 4500	86.5	89.6	89.7	89.8	89.8	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
V 4000	87.5	90.6	90.9	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	
V 3500	88.0	91.2	91.5	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	
V 3000	88.5	91.8	92.0	92.1	92.1	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
V 2500	89.2	92.6	92.8	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	
V 2000	90.2	93.6	93.9	94.0	94.1	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	
V 1800	90.6	94.1	94.5	94.6	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
V 1500	91.1	94.8	95.2	95.3	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	
V 1200	92.0	96.0	96.6	96.7	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	
V 1000	92.5	96.8	97.4	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	
V 900	92.6	97.0	97.6	97.7	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
V 800	92.8	97.3	97.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5	
V 700	93.1	97.5	98.2	98.3	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
V 600	93.1	97.7	98.4	98.6	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	
V 500	93.1	97.8	98.5	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	
V 400	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	
V 300	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	
V 200	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	
V 100	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	
V 0	93.1	98.0	98.8	99.0	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.8	

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/COPY BUSINESS SYSTEMS

150223

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	50.1	52.2	52.4	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0
≥ 20000	62.0	64.5	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 18000	62.0	64.5	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 16000	62.0	64.5	64.7	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 14000	62.6	65.0	65.3	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2
≥ 12000	63.6	66.0	66.3	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2	67.2
≥ 10000	65.0	67.5	67.8	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.7
≥ 9000	65.5	68.0	68.2	68.6	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.2	69.2
≥ 8000	66.0	68.6	68.8	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8
≥ 7000	66.3	69.3	69.5	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4	70.5	70.5
≥ 6000	66.8	70.1	70.3	70.6	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.3	71.3
≥ 5000	68.9	72.6	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.9	73.9
≥ 4500	69.8	73.5	73.7	74.1	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 4000	71.8	75.6	75.8	76.2	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.8
≥ 3500	72.3	76.4	76.7	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9
≥ 3000	73.7	78.1	78.4	79.0	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6
≥ 2500	75.8	80.6	80.9	81.5	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.2
≥ 2000	78.0	83.4	83.7	84.3	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	85.0	85.0
≥ 1800	79.0	84.5	84.9	85.5	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1
≥ 1500	80.9	86.5	86.8	87.5	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.1	88.1
≥ 1200	82.9	88.9	89.2	89.9	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6
≥ 1000	84.0	90.6	91.0	91.8	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.5	92.5
≥ 900	84.3	90.9	91.5	92.3	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0
≥ 800	84.6	91.3	92.0	92.7	93.2	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.7	93.7
≥ 700	85.1	92.3	93.0	93.7	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.9	94.9
≥ 600	85.1	92.8	93.6	94.3	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.6	95.6
≥ 500	85.2	93.2	94.2	95.3	96.0	96.1	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.8	96.8
≥ 400	85.2	93.7	94.7	95.9	96.8	96.9	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.9	97.9
≥ 300	85.2	93.7	94.7	96.0	96.8	97.0	97.8	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.5	98.5
≥ 200	85.2	93.7	94.7	96.1	97.0	97.1	98.0	98.1	98.1	98.4	98.7	98.7	98.7	98.7	98.9	98.9
≥ 100	85.2	93.7	94.7	96.1	97.0	97.1	98.0	98.1	98.1	98.5	98.8	98.8	98.8	99.0	99.2	99.2
≥ 0	85.2	93.7	94.7	96.1	97.0	97.1	98.0	98.1	98.1	98.5	98.8	98.8	98.8	99.1	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS 1710

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	46.3	49.2	49.4	49.7	50.1	50.1	50.2	50.2	50.2	50.5	50.5	50.5	50.6	50.6	50.8	50.9
≥ 20000	55.9	59.7	59.9	60.2	60.7	60.7	60.7	60.7	60.7	61.2	61.2	61.2	61.3	61.3	61.6	61.7
≥ 18000	55.9	59.7	59.9	60.2	60.7	60.7	60.7	60.7	60.7	61.2	61.2	61.2	61.3	61.3	61.6	61.7
≥ 16000	55.9	59.7	59.9	60.2	60.7	60.7	60.7	60.7	60.7	61.2	61.2	61.2	61.3	61.3	61.6	61.7
≥ 14000	56.3	60.2	60.4	60.7	61.1	61.1	61.2	61.2	61.2	61.7	61.7	61.7	61.7	61.7	62.0	62.1
≥ 12000	56.8	60.6	60.9	61.1	61.6	61.6	61.7	61.7	61.7	62.1	62.1	62.1	62.2	62.2	62.5	62.6
≥ 10000	57.8	61.6	61.8	62.1	62.6	62.6	62.6	62.6	62.6	63.1	63.1	63.1	63.1	63.1	63.4	63.5
≥ 9000	58.2	62.1	62.3	62.6	63.1	63.1	63.1	63.1	63.1	63.6	63.6	63.6	63.7	63.7	64.0	64.1
≥ 8000	58.8	63.1	63.3	63.6	64.1	64.1	64.1	64.1	64.1	64.6	64.6	64.6	64.7	64.7	65.0	65.1
≥ 7000	59.6	63.8	64.1	64.4	64.8	64.8	64.9	64.9	64.9	65.4	65.4	65.4	65.4	65.4	65.7	65.8
≥ 6000	60.4	64.8	65.0	65.3	65.8	65.8	65.8	65.8	65.8	66.3	66.3	66.3	66.4	66.4	66.6	66.8
≥ 5000	62.0	66.8	67.0	67.3	67.8	67.8	67.8	67.8	67.8	68.3	68.3	68.3	68.3	68.3	68.6	68.8
≥ 4500	62.9	67.6	67.9	68.2	68.6	68.6	68.7	68.7	68.7	69.2	69.2	69.2	69.2	69.2	69.5	69.6
≥ 4000	64.5	69.6	69.9	70.3	70.7	70.7	70.8	70.8	70.8	71.3	71.3	71.3	71.3	71.3	71.6	71.7
≥ 3500	65.8	71.0	71.3	71.9	72.3	72.4	72.4	72.4	72.4	72.9	72.9	72.9	73.0	73.0	73.3	73.4
≥ 3000	67.2	72.7	73.1	73.8	74.3	74.3	74.4	74.4	74.4	74.8	74.8	74.8	74.9	74.9	75.2	75.3
≥ 2500	68.0	74.4	74.8	75.5	76.0	76.0	76.1	76.1	76.1	76.5	76.5	76.5	76.6	76.6	76.9	77.0
≥ 2000	72.1	78.3	78.8	79.5	80.0	80.1	80.2	80.2	80.2	80.6	80.6	80.6	80.7	80.7	81.0	81.1
≥ 1800	72.7	78.9	79.5	80.2	80.7	80.7	80.8	80.8	80.8	81.3	81.3	81.3	81.3	81.3	81.6	81.7
≥ 1500	74.9	81.8	82.4	83.1	83.7	83.7	83.8	83.8	83.8	84.3	84.3	84.3	84.3	84.3	84.6	84.7
≥ 1200	76.8	84.2	84.8	85.6	86.1	86.2	86.3	86.3	86.3	86.8	86.8	86.8	86.8	86.8	87.1	87.2
≥ 1000	77.9	86.0	86.6	87.4	88.0	88.1	88.2	88.2	88.2	88.7	88.7	88.7	88.8	88.8	89.1	89.2
≥ 900	78.6	86.8	87.5	88.3	88.9	89.0	89.2	89.2	89.2	89.7	89.7	89.7	89.8	89.8	90.1	90.2
≥ 800	78.8	87.5	88.3	89.2	90.0	90.1	90.2	90.2	90.2	90.8	90.8	90.8	90.8	90.8	91.1	91.2
≥ 700	79.3	88.5	89.4	90.2	91.0	91.2	91.3	91.4	91.4	92.0	92.0	92.0	92.0	92.0	92.3	92.5
≥ 600	79.6	89.1	90.0	90.9	91.7	91.9	92.1	92.2	92.2	92.8	92.8	92.8	92.9	92.9	93.2	93.3
≥ 500	79.8	89.9	90.9	91.8	92.7	92.8	93.1	93.2	93.2	93.9	94.0	94.0	94.0	94.0	94.3	94.4
≥ 400	79.9	90.3	91.5	92.9	93.8	93.9	94.3	94.5	94.5	95.2	95.3	95.3	95.3	95.3	95.6	95.7
≥ 300	79.9	90.5	91.7	93.2	94.1	94.2	94.9	95.2	95.2	96.1	96.2	96.2	96.4	96.4	96.7	96.8
≥ 200	79.9	90.5	91.9	93.3	94.3	94.4	95.1	95.5	95.5	96.6	96.8	96.8	97.1	97.1	97.4	97.6
≥ 100	80.0	90.6	92.0	93.4	94.4	94.6	95.2	95.6	95.6	97.1	97.7	97.7	98.2	98.2	98.5	98.8
≥ 0	80.0	90.6	92.0	93.4	94.4	94.6	95.2	95.6	95.6	97.1	97.7	97.7	98.2	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1709

ALLIANCE/FCRT BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	0
NO CEILING	39.2	42.7	43.2	43.5	43.7	43.8	44.1	44.3	44.3	44.4	44.6	44.6	44.6	44.6	44.7	44.8
≥ 20000	47.9	53.3	54.3	54.9	55.4	55.5	55.9	56.1	56.1	56.3	56.4	56.4	56.4	56.4	56.6	56.8
≥ 18000	47.9	53.3	54.3	54.9	55.4	55.5	55.9	56.1	56.1	56.3	56.4	56.4	56.4	56.4	56.6	56.8
≥ 16000	47.9	53.3	54.4	55.0	55.6	55.6	56.0	56.2	56.2	56.4	56.5	56.5	56.5	56.5	56.7	56.9
≥ 14000	48.4	53.8	54.9	55.6	56.1	56.1	56.5	56.7	56.7	57.0	57.1	57.1	57.1	57.1	57.3	57.4
≥ 12000	49.1	54.6	55.8	56.5	57.0	57.1	57.5	57.7	57.7	57.9	58.0	58.0	58.0	58.0	58.2	58.4
≥ 10000	50.4	56.1	57.3	58.0	58.5	58.6	59.1	59.2	59.2	59.5	59.6	59.6	59.6	59.6	59.8	59.9
≥ 9000	50.9	56.7	58.0	58.7	59.2	59.2	59.7	59.9	59.9	60.1	60.2	60.2	60.2	60.2	60.4	60.6
≥ 8000	51.8	57.7	59.0	59.7	60.2	60.3	60.8	60.9	60.9	61.2	61.3	61.3	61.3	61.3	61.5	61.6
≥ 7000	53.0	59.1	60.4	61.1	61.6	61.7	62.2	62.3	62.3	62.6	62.7	62.7	62.7	62.7	62.9	63.0
≥ 6000	53.6	59.6	61.0	61.7	62.2	62.3	62.7	62.9	62.9	63.2	63.3	63.3	63.3	63.3	63.5	63.7
≥ 5000	55.7	62.0	63.3	64.1	64.6	64.7	65.1	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.9	66.1
≥ 4500	56.3	62.6	64.0	64.7	65.3	65.3	65.8	66.0	66.0	66.3	66.4	66.4	66.4	66.4	66.5	66.7
≥ 4000	57.4	64.3	65.7	66.6	67.1	67.3	67.7	67.9	68.0	68.3	68.4	68.4	68.4	68.4	68.6	68.8
≥ 3500	58.0	65.3	66.7	67.8	68.3	68.4	68.9	69.1	69.1	69.5	69.6	69.6	69.6	69.6	69.8	69.9
≥ 3000	59.6	67.0	68.5	69.6	70.2	70.4	70.9	71.1	71.2	71.6	71.7	71.7	71.7	71.7	71.9	72.0
≥ 2500	61.1	68.8	70.3	71.5	72.1	72.3	72.8	73.0	73.0	73.5	73.6	73.6	73.6	73.6	73.7	73.9
≥ 2000	63.0	71.3	72.9	74.0	74.7	74.9	75.4	75.6	75.6	76.0	76.1	76.1	76.1	76.1	76.3	76.5
≥ 1800	64.3	72.7	74.4	75.8	76.5	76.7	77.2	77.4	77.4	77.8	78.0	78.0	78.0	78.0	78.1	78.3
≥ 1500	65.6	74.7	76.7	78.0	78.8	79.0	79.5	79.7	79.8	80.0	80.4	80.4	80.4	80.4	80.6	80.8
≥ 1200	67.9	77.8	79.9	81.2	82.0	82.2	82.7	82.9	83.0	83.6	83.7	83.7	83.7	83.7	83.9	84.0
≥ 1000	69.0	79.8	81.9	83.4	84.3	84.5	85.0	85.2	85.3	85.8	86.0	86.0	86.0	86.0	86.1	86.3
≥ 900	69.2	80.4	82.7	84.3	85.3	85.5	86.1	86.3	86.3	86.9	87.0	87.0	87.0	87.0	87.2	87.4
≥ 800	69.6	81.7	84.2	85.9	87.0	87.2	87.8	88.0	88.0	88.8	88.9	88.9	88.9	88.9	89.1	89.2
≥ 700	69.8	82.3	85.0	86.7	87.9	88.1	88.8	89.0	89.1	89.9	90.0	90.0	90.0	90.1	90.2	90.4
≥ 600	70.1	83.1	85.8	87.7	88.9	89.1	89.8	90.1	90.2	91.1	91.2	91.2	91.2	91.2	91.4	91.6
≥ 500	70.4	83.9	86.9	89.0	90.6	90.8	91.7	92.0	92.1	93.1	93.2	93.2	93.2	93.4	93.6	93.7
≥ 400	70.4	84.2	87.3	89.5	91.3	91.5	92.6	93.0	93.2	94.2	94.4	94.4	94.4	94.6	94.7	94.9
≥ 300	70.4	84.3	87.5	89.9	91.8	92.0	93.2	93.8	93.9	95.2	95.6	95.6	95.6	95.7	95.9	96.1
≥ 200	70.4	84.3	87.5	90.1	91.9	92.2	93.3	93.9	94.0	95.5	95.9	95.9	95.9	96.1	96.4	96.5
≥ 100	70.4	84.3	87.6	90.1	92.0	92.2	93.4	94.0	94.1	95.8	96.5	96.5	96.5	97.0	98.0	98.3
≥ 0	70.4	84.3	87.6	90.1	92.0	92.2	93.4	94.0	94.2	96.0	96.6	96.6	96.6	97.2	97.3	98.4

TOTAL NUMBER OF OBSERVATIONS

1710

ALLIED/ICRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-44,49-64 YEARS NOV MONTH 0900-1100 HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.8	41.8	42.0	42.4	42.7	42.7	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	53.3	56.7	57.6	58.0	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	53.3	56.7	57.6	58.0	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	53.6	57.0	58.0	58.3	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.9	58.9	58.9	58.9
≥ 14000	54.2	57.7	58.7	59.0	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	55.3	59.2	60.2	60.5	60.9	60.9	60.9	60.9	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2
≥ 10000	56.6	60.9	62.0	62.4	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	57.0	61.3	62.3	62.7	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4
≥ 8000	58.2	62.8	63.9	64.3	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0
≥ 7000	59.3	64.0	65.1	65.6	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2
≥ 6000	60.5	65.2	66.4	66.8	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5
≥ 5000	61.2	66.0	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3
≥ 4500	61.9	66.7	68.0	68.5	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.2
≥ 4000	62.6	67.8	69.1	69.7	70.2	70.2	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	63.3	68.9	70.1	70.8	71.2	71.3	71.3	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000	64.9	70.6	71.9	72.6	73.1	73.2	73.2	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2500	66.6	72.9	74.1	74.8	75.3	75.4	75.4	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
≥ 2000	69.2	76.0	77.4	78.3	78.9	79.0	79.1	79.2	79.3	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 1800	70.1	77.2	78.7	79.6	80.2	80.4	80.6	80.7	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1500	72.3	80.2	81.8	82.9	83.5	83.6	83.9	84.0	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 1200	74.8	83.9	85.6	86.8	87.5	87.6	87.9	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	75.9	85.8	87.7	88.9	89.6	89.7	90.1	90.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 900	76.4	86.7	88.6	89.9	90.7	90.8	91.2	91.3	91.4	91.7	91.7	91.7	91.8	91.8	91.8	91.8
≥ 800	76.7	87.5	89.6	90.9	91.8	91.9	92.2	92.3	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 700	77.1	88.5	90.9	92.2	93.2	93.3	93.6	93.7	93.9	94.2	94.2	94.2	94.3	94.3	94.3	94.3
≥ 600	77.2	88.9	91.8	93.2	94.2	94.3	94.7	94.9	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.4
≥ 500	77.2	89.4	92.4	93.9	95.1	95.3	96.1	96.4	96.5	96.8	96.8	96.8	96.9	96.9	96.9	96.9
≥ 400	77.2	89.4	92.4	93.9	95.1	95.3	96.5	96.8	96.9	97.5	97.5	97.5	97.6	97.6	97.7	97.7
≥ 300	77.2	89.4	92.5	93.9	95.2	95.4	96.7	97.0	97.1	98.0	98.1	98.1	98.2	98.2	98.4	98.4
≥ 200	77.2	89.4	92.5	94.0	95.3	95.5	96.8	97.3	97.4	98.3	98.7	98.7	98.9	98.9	99.0	99.0
≥ 100	77.2	89.4	92.5	94.0	95.3	95.5	96.8	97.3	97.4	98.3	98.9	98.9	99.2	99.2	99.4	99.5
≥ 0	77.3	89.5	92.5	94.0	95.4	95.6	96.9	97.3	97.4	98.4	98.9	98.9	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/EGY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.8	44.7	45.0	45.0	45.2	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
20000	60.5	61.9	62.3	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
18000	60.5	61.9	62.3	62.4	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
16000	60.8	62.3	62.7	62.8	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
14000	61.6	63.2	63.7	63.7	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
12000	63.6	65.3	65.8	65.8	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
10000	65.3	67.2	67.7	67.7	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
9000	65.7	67.7	68.1	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
8000	66.7	68.7	69.1	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
7000	67.1	69.1	69.6	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
6000	67.7	69.8	70.4	70.4	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
5000	68.7	70.8	71.4	71.4	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
4500	69.1	71.4	72.0	72.0	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
4000	71.2	73.9	74.5	74.6	74.7	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
3500	73.0	75.9	76.5	76.6	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
3000	75.7	79.1	79.9	79.9	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2500	79.1	82.9	83.7	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
2000	82.3	86.5	87.4	87.5	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	89.0
1800	83.5	88.1	89.0	89.1	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
1500	84.9	90.2	91.2	91.5	91.8	91.9	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1200	85.7	91.5	92.5	92.8	93.1	93.2	93.3	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
1000	86.1	92.5	93.6	93.9	94.3	94.4	94.5	94.6	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1
900	86.3	92.7	93.9	94.2	94.6	94.7	94.8	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
800	86.3	93.2	94.4	94.7	95.4	95.5	95.6	95.7	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3
700	86.6	93.7	94.9	95.3	96.0	96.1	96.3	96.4	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1
600	86.8	94.2	95.5	96.0	96.8	96.9	97.1	97.3	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9
500	86.8	94.4	95.8	96.3	97.4	97.5	97.8	98.0	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8
400	86.8	94.4	95.8	96.3	97.5	97.7	98.1	98.2	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1
300	86.8	94.6	95.9	96.6	97.8	98.1	98.4	98.5	98.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
200	86.8	94.6	96.0	96.7	97.9	98.1	98.5	98.6	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9
100	86.8	94.6	96.0	96.7	97.9	98.1	98.5	98.6	98.7	99.6	99.9	99.9	99.9	99.9	99.9	99.9
0	86.8	94.6	96.0	96.7	97.9	98.1	98.5	98.6	98.7	99.6	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/FERRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-44, 49-64
 YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	≥ 0
NO CEILING	46.2	46.8	46.8	47.0	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 20000	65.4	66.8	66.8	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 19000	65.4	66.8	66.8	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 18000	65.8	67.2	67.3	67.5	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 17000	66.6	68.0	68.1	68.3	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 16000	68.9	70.3	70.4	70.6	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 15000	70.5	72.0	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8
≥ 14000	70.9	72.4	72.5	72.7	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 13000	71.6	73.3	73.4	73.6	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2
≥ 12000	72.6	74.4	74.6	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4
≥ 11000	73.5	75.5	75.7	75.9	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 10000	74.9	77.1	77.3	77.5	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000	75.8	78.0	78.2	78.4	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 8000	78.0	80.5	80.7	80.9	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.5
≥ 7000	79.4	82.2	82.3	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 6000	82.1	85.2	85.4	85.7	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 5000	84.5	87.9	88.1	88.4	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
≥ 4500	86.3	90.1	90.4	90.6	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥ 4000	86.8	90.8	91.1	91.4	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3500	87.4	91.6	91.9	92.2	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2
≥ 3000	87.7	92.2	92.6	93.0	93.6	93.6	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.1
≥ 2500	87.9	92.8	93.2	93.6	94.2	94.2	94.4	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 2000	88.1	93.4	93.9	94.3	95.0	95.0	95.3	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥ 1800	88.3	93.7	94.2	94.7	95.6	95.6	95.8	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.2
≥ 1600	88.5	94.0	94.6	95.4	96.3	96.3	96.8	96.8	96.8	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 1400	88.5	94.2	94.7	95.6	96.5	96.5	97.0	97.0	97.1	97.5	97.6	97.6	97.6	97.6	97.7	97.7
≥ 1200	88.7	94.4	95.0	96.0	97.1	97.1	97.8	97.8	97.9	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	88.7	94.4	95.1	96.1	97.2	97.2	98.2	98.4	98.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 800	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	88.7	94.4	95.1	96.3	97.4	97.4	98.5	98.7	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1710

ALL-70/ GBT BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-44,49-64
 YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.2	53.2	53.3	53.5	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 20000	68.1	69.8	70.2	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 18000	68.1	69.8	70.2	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000	68.3	70.0	70.4	70.5	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	68.9	70.6	70.9	71.1	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.1	72.7	73.1	73.3	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000	72.5	74.2	74.6	74.7	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	73.0	74.9	75.3	75.4	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 8000	73.7	75.8	76.1	76.4	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	74.4	77.2	77.5	77.8	78.1	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 6000	75.6	78.5	78.8	79.1	79.4	79.4	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	77.5	80.4	80.8	81.0	81.3	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	78.3	81.4	81.8	82.0	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	80.2	83.6	84.1	84.3	84.7	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	80.9	84.7	85.2	85.4	85.8	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	82.5	86.6	87.1	87.4	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	84.2	88.5	89.2	89.5	89.9	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	85.1	90.4	91.1	91.5	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	85.5	90.8	91.5	91.9	92.3	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	86.2	91.8	92.6	93.0	93.5	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	87.0	92.9	93.7	94.2	94.7	94.7	94.7	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	87.1	93.1	94.0	94.4	95.0	95.0	95.0	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	87.4	93.6	94.6	95.1	95.6	95.6	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 800	87.6	94.2	95.1	95.8	96.4	96.4	96.4	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	87.7	94.6	95.5	96.3	96.9	96.9	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	87.7	94.7	95.7	96.5	97.2	97.2	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	87.8	95.0	96.1	96.9	97.7	97.7	98.0	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	87.8	95.3	96.4	97.2	98.1	98.1	98.7	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	87.8	95.4	96.5	97.4	98.4	98.4	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	87.8	95.4	96.5	97.5	98.5	98.5	99.2	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	87.8	95.4	96.6	97.5	98.5	98.5	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	87.8	95.4	96.6	97.5	98.5	98.5	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 1710

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

MACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.1	53.8	53.9	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4
IV 20000	67.1	69.5	69.9	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
IV 18000	67.1	69.5	69.9	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
IV 16000	67.2	69.5	69.9	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 14000	67.3	69.7	70.2	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 12000	69.2	71.7	72.1	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7
IV 10000	70.5	73.0	73.4	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
IV 9000	71.0	73.4	73.8	74.2	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000	72.1	74.8	75.2	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
IV 7000	72.6	75.4	75.8	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 6000	73.4	76.7	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8
IV 5000	75.0	78.5	79.0	79.3	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
IV 4500	76.0	79.5	80.0	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6
IV 4000	77.9	81.7	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8
IV 3500	78.8	82.9	83.4	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
IV 3000	80.3	85.1	85.6	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3
IV 2500	82.5	87.6	88.1	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
IV 2000	83.7	89.2	89.8	90.3	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
IV 1800	84.3	89.8	90.3	90.9	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500	85.3	90.9	91.5	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 1200	86.2	92.1	92.7	93.3	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
IV 1000	87.0	93.1	93.9	94.5	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
IV 900	87.2	93.4	94.3	94.9	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 800	87.5	93.9	94.8	95.6	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
IV 700	87.6	94.3	95.2	96.0	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7
IV 600	87.6	94.6	95.4	96.3	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0
IV 500	87.6	95.1	96.0	96.9	97.4	97.5	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0
IV 400	87.7	95.3	96.4	97.3	98.1	98.2	98.5	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	87.7	95.3	96.4	97.4	98.1	98.2	98.7	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	87.7	95.3	96.5	97.4	98.2	98.3	98.8	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IV 100	87.7	95.3	96.5	97.5	98.3	98.4	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	87.7	95.3	96.5	97.5	98.3	98.4	99.0	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1709

1210WS FORM JUL 84 0-14-5 (Det 50) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALLIED/EGY BUSINESS SYSTEMS 150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≤ 5/16	≥ ¼	≥ 0
NO CEILING	45.2	46.8	47.2	47.3	47.6	47.6	47.8	47.8	47.8	47.8	48.0	48.0	48.0	48.0	48.1	48.1
≥ 20000	56.9	59.8	60.4	60.6	60.9	60.9	61.1	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.6	61.6
≥ 18000	57.0	59.9	60.4	60.6	61.0	61.0	61.1	61.1	61.2	61.3	61.5	61.5	61.5	61.5	61.7	61.7
≥ 16000	57.0	59.9	60.5	60.7	61.0	61.0	61.2	61.2	61.3	61.4	61.6	61.6	61.6	61.6	61.7	61.7
≥ 14000	57.7	60.8	61.3	61.5	61.8	61.8	62.0	62.0	62.1	62.2	62.4	62.4	62.4	62.4	62.5	62.5
≥ 12000	59.0	62.2	62.7	62.9	63.2	63.2	63.4	63.4	63.5	63.6	63.8	63.8	63.8	63.8	63.9	63.9
≥ 10000	60.4	63.7	64.4	64.6	64.9	64.9	65.1	65.1	65.2	65.4	65.5	65.5	65.5	65.5	65.7	65.7
≥ 9000	60.6	64.0	64.7	64.9	65.2	65.2	65.4	65.4	65.5	65.6	65.8	65.8	65.8	65.8	66.0	66.0
≥ 8000	60.8	64.2	64.9	65.2	65.5	65.5	65.6	65.6	65.8	65.9	66.1	66.1	66.1	66.1	66.2	66.2
≥ 7000	61.1	64.6	65.3	65.5	65.9	65.9	66.0	66.0	66.1	66.3	66.5	66.5	66.5	66.5	66.6	66.6
≥ 6000	61.5	64.9	65.6	65.9	66.2	66.2	66.4	66.4	66.5	66.7	66.8	66.8	66.8	66.8	67.0	67.0
≥ 5000	63.4	67.2	67.8	68.2	68.6	68.6	68.8	68.8	68.9	69.0	69.2	69.2	69.2	69.2	69.4	69.4
≥ 4500	63.9	67.6	68.3	68.6	69.0	69.0	69.2	69.2	69.3	69.5	69.6	69.6	69.6	69.6	69.8	69.8
≥ 4000	65.5	69.3	70.1	70.4	70.8	70.8	71.0	71.0	71.1	71.2	71.4	71.4	71.4	71.4	71.6	71.6
≥ 3500	66.6	70.6	71.3	71.7	72.1	72.1	72.3	72.3	72.4	72.5	72.7	72.7	72.7	72.7	72.8	72.8
≥ 3000	67.7	72.0	72.8	73.1	73.5	73.5	73.7	73.8	73.9	74.0	74.2	74.2	74.2	74.2	74.4	74.4
≥ 2500	69.8	74.4	75.1	75.5	76.0	76.0	76.2	76.3	76.4	76.6	76.7	76.7	76.7	76.7	76.9	76.9
≥ 2000	72.0	77.3	78.0	78.4	78.9	78.9	79.1	79.2	79.3	79.5	79.6	79.6	79.6	79.6	79.8	79.8
≥ 1800	72.4	78.2	78.9	79.4	79.9	79.9	80.2	80.2	80.3	80.5	80.6	80.6	80.6	80.6	80.8	80.8
≥ 1500	73.8	80.1	81.0	81.6	82.2	82.2	82.4	82.5	82.6	82.7	82.9	82.9	82.9	82.9	83.1	83.1
≥ 1200	75.9	82.7	83.7	84.4	84.9	84.9	85.2	85.3	85.4	85.5	85.7	85.7	85.7	85.7	85.9	85.9
≥ 1000	76.7	84.1	85.2	86.0	86.6	86.6	86.8	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.5	87.5
≥ 900	76.8	84.6	85.8	86.6	87.3	87.3	87.5	87.6	87.7	87.8	88.0	88.0	88.0	88.0	88.2	88.2
≥ 800	77.4	85.6	86.9	87.7	88.5	88.5	88.8	88.9	89.0	89.1	89.3	89.3	89.3	89.3	89.5	89.5
≥ 700	77.7	86.8	88.2	89.0	90.0	90.0	90.4	90.4	90.5	90.7	90.9	90.9	90.9	90.9	91.0	91.0
≥ 600	77.7	87.4	89.0	89.8	90.9	91.0	91.6	91.6	91.7	92.0	92.2	92.2	92.2	92.2	92.4	92.4
≥ 500	77.8	87.7	89.4	90.3	91.6	91.7	92.3	92.7	92.8	93.2	93.4	93.4	93.4	93.4	93.5	93.5
≥ 400	77.9	88.0	89.7	90.8	92.4	92.6	93.6	94.0	94.1	94.7	94.8	94.8	94.8	94.8	95.0	95.0
≥ 300	77.9	88.3	90.2	91.2	93.0	93.2	94.5	95.2	95.3	96.0	96.1	96.1	96.1	96.1	96.3	96.3
≥ 200	77.9	88.3	90.2	91.3	93.2	93.4	95.1	95.9	96.0	96.8	97.0	97.0	97.1	97.1	97.3	97.4
≥ 100	77.9	88.4	90.3	91.4	93.3	93.5	95.2	96.1	96.2	97.0	97.4	97.4	97.6	97.6	98.0	98.4
≥ 0	77.9	88.4	90.3	91.4	93.3	93.5	95.2	96.1	96.2	97.0	97.4	97.4	97.7	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/EGRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	42.2	44.4	44.8	44.9	45.1	45.1	45.4	45.4	45.4	45.5	45.6	45.6	45.6	45.6	45.7	
IV 20000	54.7	58.3	58.6	58.8	59.1	59.1	59.5	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	
IV 18000	54.7	58.3	58.6	58.8	59.1	59.1	59.5	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	
IV 16000	54.7	58.3	58.6	58.8	59.1	59.1	59.5	59.5	59.5	59.7	59.8	59.8	59.8	59.8	59.9	
IV 14000	55.2	58.7	59.1	59.3	59.5	59.5	60.0	60.0	60.0	60.1	60.2	60.2	60.3	60.3	60.4	
IV 12000	56.4	60.0	60.5	60.7	60.9	60.9	61.4	61.4	61.4	61.5	61.6	61.6	61.7	61.7	61.8	
IV 10000	57.8	61.6	62.0	62.3	62.6	62.6	63.0	63.0	63.1	63.3	63.4	63.4	63.4	63.5	63.6	
IV 9000	58.0	61.9	62.3	62.6	62.8	62.9	63.3	63.3	63.4	63.5	63.6	63.6	63.7	63.7	63.8	
IV 8000	58.5	62.3	62.7	63.0	63.3	63.3	63.7	63.7	63.8	64.0	64.1	64.1	64.1	64.2	64.3	
IV 7000	58.8	62.8	63.3	63.6	63.8	63.9	64.3	64.3	64.3	64.5	64.6	64.6	64.7	64.7	64.8	
IV 6000	59.4	63.6	64.1	64.4	64.7	64.7	65.1	65.1	65.2	65.4	65.5	65.5	65.5	65.6	65.7	
IV 5000	60.4	64.7	65.2	65.5	65.7	65.8	66.2	66.2	66.3	66.4	66.5	66.5	66.6	66.6	66.8	
IV 4500	60.7	65.1	65.6	65.9	66.1	66.2	66.6	66.6	66.6	66.8	66.9	66.9	67.0	67.0	67.1	
IV 4000	61.6	66.2	66.6	67.1	67.3	67.3	67.8	67.8	67.9	68.0	68.2	68.2	68.2	68.3	68.4	
IV 3500	62.6	67.3	67.8	68.2	68.4	68.5	69.0	69.0	69.0	69.2	69.3	69.3	69.3	69.4	69.5	
IV 3000	63.7	68.6	69.1	69.6	69.8	69.9	70.4	70.4	70.4	70.6	70.7	70.7	70.7	70.8	70.9	
IV 2500	65.2	70.6	71.1	71.6	71.8	71.9	72.4	72.4	72.4	72.6	72.7	72.7	72.7	72.8	72.9	
IV 2000	67.7	73.7	74.2	74.8	75.0	75.0	75.5	75.5	75.6	75.7	75.8	75.8	76.0	76.0	76.2	
IV 1800	67.9	74.7	75.3	76.0	76.2	76.2	76.8	76.8	76.8	77.0	77.1	77.1	77.2	77.3	77.4	
IV 1500	69.8	76.8	77.4	78.1	78.4	78.4	79.0	79.0	79.0	79.2	79.3	79.3	79.4	79.5	79.6	
IV 1200	72.5	79.8	80.4	81.1	81.4	81.5	82.0	82.0	82.1	82.2	82.4	82.4	82.5	82.5	82.7	
IV 1000	73.4	81.6	82.4	83.1	83.5	83.5	84.2	84.2	84.2	84.4	84.5	84.5	84.7	84.7	84.9	
IV 900	73.9	82.5	83.3	84.1	84.6	84.7	85.3	85.3	85.4	85.5	85.6	85.6	85.8	85.8	86.0	
IV 800	73.9	83.2	84.0	84.8	85.5	85.6	86.2	86.2	86.3	86.4	86.6	86.6	86.7	86.7	87.0	
IV 700	74.2	84.2	85.4	86.4	87.5	87.5	88.2	88.2	88.2	88.4	88.5	88.5	88.6	88.6	88.9	
IV 600	74.6	85.3	86.4	87.6	88.6	88.8	89.6	89.6	89.6	89.8	89.9	89.9	90.0	90.0	90.3	
IV 500	74.7	86.1	87.4	88.6	89.9	90.0	90.9	91.0	91.1	91.2	91.3	91.3	91.5	91.5	91.8	
IV 400	74.8	86.4	87.8	89.1	90.5	90.6	92.2	92.5	92.6	92.8	92.9	92.9	93.1	93.1	93.3	
IV 300	74.8	86.6	88.3	89.6	91.1	91.2	93.1	93.5	93.6	94.2	94.4	94.4	94.6	94.6	94.9	
IV 200	74.8	86.6	88.3	89.7	91.4	91.6	93.8	94.4	94.5	95.3	95.4	95.4	95.6	95.7	96.1	
IV 100	74.8	86.6	88.3	89.7	91.4	91.6	93.9	94.6	94.6	95.6	95.9	95.9	96.4	96.5	97.6	
IV 0	74.8	86.6	88.3	89.7	91.4	91.6	93.9	94.6	94.6	95.6	95.9	95.9	96.5	96.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 1859

ALLIED/COPY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	35.8	38.7	39.2	39.4	39.8	39.8	39.8	39.8	39.8	40.1	40.2	40.2	40.3	40.3	40.3	40.4
≥ 20000	47.2	51.7	52.4	53.1	53.6	53.6	53.8	53.8	53.8	54.1	54.2	54.2	54.4	54.4	54.4	54.5
≥ 18000	47.2	51.7	52.4	53.1	53.6	53.6	53.8	53.8	53.8	54.1	54.2	54.2	54.4	54.4	54.4	54.5
≥ 16000	47.2	51.8	52.5	53.2	53.7	53.7	53.8	53.8	53.8	54.2	54.2	54.2	54.4	54.4	54.5	54.6
≥ 14000	48.5	53.2	53.9	54.6	55.1	55.1	55.2	55.2	55.2	55.6	55.6	55.6	55.8	55.8	55.9	56.0
≥ 12000	50.0	54.7	55.5	56.2	56.8	56.8	56.9	56.9	56.9	57.3	57.4	57.4	57.5	57.5	57.6	57.7
≥ 10000	51.3	56.1	56.9	57.6	58.2	58.2	58.3	58.3	58.3	58.7	58.8	58.8	58.9	58.9	59.0	59.1
≥ 9000	51.9	56.8	57.5	58.3	58.9	58.9	59.0	59.0	59.0	59.4	59.5	59.5	59.6	59.6	59.7	59.8
≥ 8000	52.4	57.4	58.1	58.9	59.5	59.5	59.6	59.6	59.6	60.0	60.1	60.1	60.2	60.2	60.3	60.4
≥ 7000	52.9	57.9	58.7	59.5	60.0	60.0	60.2	60.2	60.2	60.5	60.6	60.6	60.8	60.8	60.8	60.9
≥ 6000	53.9	59.4	60.2	61.0	61.5	61.5	61.7	61.7	61.7	62.0	62.1	62.1	62.3	62.3	62.3	62.4
≥ 5000	54.7	60.5	61.2	62.0	62.6	62.6	62.7	62.7	62.7	63.1	63.2	63.2	63.3	63.3	63.4	63.5
≥ 4500	55.3	61.2	61.9	62.7	63.3	63.3	63.4	63.4	63.4	63.8	63.9	63.9	64.0	64.0	64.1	64.2
≥ 4000	55.8	62.0	62.8	63.7	64.2	64.2	64.4	64.4	64.4	64.7	64.8	64.8	64.9	64.9	65.0	65.2
≥ 3500	56.8	63.2	64.0	64.8	65.4	65.4	65.5	65.5	65.5	66.0	66.0	66.0	66.2	66.2	66.2	66.4
≥ 3000	57.8	64.5	65.4	66.2	66.9	66.9	67.0	67.1	67.1	67.5	67.6	67.6	67.7	67.7	67.8	68.0
≥ 2500	59.0	66.0	66.9	67.8	68.4	68.4	68.6	68.7	68.7	69.1	69.1	69.1	69.3	69.3	69.4	69.5
≥ 2000	60.8	68.2	69.1	70.0	70.6	70.6	70.8	70.9	70.9	71.3	71.3	71.3	71.5	71.5	71.6	71.7
≥ 1800	61.3	69.1	70.1	71.0	71.7	71.7	71.8	71.9	71.9	72.3	72.4	72.4	72.5	72.5	72.6	72.7
≥ 1500	62.5	70.9	71.8	72.8	73.5	73.5	73.7	73.8	73.8	74.2	74.2	74.2	74.4	74.4	74.5	74.7
≥ 1200	64.5	74.0	75.4	76.5	77.2	77.2	77.4	77.5	77.5	78.0	78.1	78.1	78.2	78.2	78.3	78.5
≥ 1000	65.6	76.6	78.1	79.2	80.1	80.1	80.4	80.5	80.5	81.1	81.1	81.1	81.3	81.3	81.3	81.6
≥ 900	65.9	77.4	78.9	80.0	81.1	81.1	81.4	81.5	81.5	82.0	82.1	82.1	82.3	82.3	82.3	82.5
≥ 800	66.4	78.6	80.4	81.6	83.0	83.1	83.4	83.5	83.5	84.1	84.2	84.2	84.4	84.4	84.4	84.6
≥ 700	66.7	79.7	81.6	83.0	84.4	84.6	85.1	85.2	85.2	85.9	86.0	86.0	86.2	86.2	86.2	86.5
≥ 600	67.2	80.9	83.0	84.7	86.2	86.5	87.0	87.3	87.3	88.0	88.1	88.1	88.3	88.3	88.4	88.7
≥ 500	67.4	81.3	83.5	85.3	87.1	87.5	88.2	88.4	88.4	89.4	89.6	89.6	89.8	89.8	89.9	90.2
≥ 400	67.4	81.5	83.8	85.9	87.7	88.2	89.2	89.6	89.6	90.9	91.2	91.2	91.5	91.5	91.5	91.8
≥ 300	67.4	81.6	83.9	86.1	88.3	88.7	89.1	90.1	90.5	90.6	92.5	92.9	92.9	93.3	93.3	93.7
≥ 200	67.4	81.6	84.0	86.2	88.7	89.1	90.5	91.3	91.4	93.8	94.8	94.8	95.4	95.4	95.6	96.0
≥ 100	67.4	81.6	84.0	86.2	88.7	89.1	90.5	91.3	91.4	94.0	95.1	95.1	96.0	96.0	97.2	97.7
≥ 0	67.4	81.6	84.0	86.2	88.7	89.1	90.5	91.3	91.4	94.0	95.1	95.1	96.0	96.1	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1860

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	34.5	37.3	37.7	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.0	38.0	38.0	38.0	
≥ 20000	48.6	53.1	54.0	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.7	54.7	54.7	
≥ 18000	48.9	53.4	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	
≥ 16000	48.9	53.4	54.2	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	
≥ 14000	49.8	54.3	55.1	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	
≥ 12000	51.6	56.4	57.2	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	
≥ 10000	52.7	57.7	58.6	59.2	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	
≥ 9000	53.4	58.4	59.3	59.9	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.3	60.4	60.4	60.4	
≥ 8000	54.2	59.3	60.2	60.8	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.3	61.3	61.3	61.3	
≥ 7000	55.2	60.4	61.4	61.9	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	
≥ 6000	56.1	61.4	62.4	62.9	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	
≥ 5000	56.7	62.2	63.3	63.9	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	
≥ 4500	57.0	62.6	63.7	64.2	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.8	
≥ 4000	58.1	63.9	64.9	65.5	65.9	65.9	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	
≥ 3500	59.0	64.9	66.0	66.6	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.3	67.3	67.3	
≥ 3000	59.9	66.0	67.2	67.8	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	
≥ 2500	61.6	68.3	69.6	70.3	70.7	70.7	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	
≥ 2000	63.5	70.8	72.1	72.9	73.5	73.5	73.6	73.6	73.7	73.8	73.8	73.9	73.9	73.9	73.9	
≥ 1800	64.3	72.1	73.4	74.2	74.8	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.2	75.2	75.2	
≥ 1500	66.1	74.4	75.9	76.8	77.4	77.4	77.5	77.5	77.6	77.7	77.7	77.7	77.8	77.8	77.8	
≥ 1200	67.6	77.2	79.0	80.2	81.0	81.0	81.1	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4	
≥ 1000	68.3	78.6	80.6	81.7	82.8	82.9	83.1	83.1	83.2	83.3	83.4	83.4	83.5	83.5	83.5	
≥ 900	68.6	79.6	81.6	82.8	84.0	84.1	84.2	84.3	84.3	84.5	84.6	84.6	84.7	84.7	84.7	
≥ 800	69.1	80.9	83.2	84.7	86.1	86.3	86.9	87.0	87.1	87.3	87.4	87.4	87.5	87.5	87.5	
≥ 700	69.5	81.7	84.1	86.0	87.4	87.7	88.5	88.7	88.8	89.1	89.2	89.3	89.5	89.5	89.5	
≥ 600	69.8	82.3	84.8	86.9	88.6	88.9	89.8	90.0	90.1	90.4	90.6	90.6	90.9	90.9	90.9	
≥ 500	69.8	82.6	85.2	87.5	89.6	90.0	91.4	91.7	91.7	92.4	92.5	92.6	92.9	92.9	93.0	
≥ 400	69.9	82.9	85.5	88.1	90.5	91.1	92.7	93.4	93.5	94.7	95.2	95.2	95.5	95.5	95.6	
≥ 300	69.9	82.9	85.5	88.2	90.7	91.4	93.5	94.6	94.7	96.3	96.8	96.9	97.3	97.3	97.4	
≥ 200	69.9	82.9	85.5	88.2	90.8	91.4	93.7	94.9	95.2	96.8	97.4	97.4	98.3	98.3	98.5	
≥ 100	69.9	82.9	85.5	88.2	90.8	91.4	93.7	95.0	95.2	96.9	97.5	97.6	98.5	98.5	99.0	
≥ 0	69.9	82.9	85.5	88.2	90.8	91.4	93.7	95.0	95.2	96.9	97.5	97.6	98.5	98.5	99.1	

TOTAL NUMBER OF OBSERVATIONS

1859

ALLIED/COPY BUSINESS SYSTEMS

150023

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.3	39.2	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	54.9	57.4	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 18000	55.1	57.7	57.9	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
≥ 16000	55.2	57.7	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 14000	56.2	58.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	57.8	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 10000	59.5	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 9000	59.8	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	60.7	63.9	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	64.4
≥ 7000	61.2	64.6	64.9	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
≥ 6000	61.9	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	62.7	66.3	66.5	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	63.3	67.0	67.2	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4000	64.7	68.7	69.1	69.3	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 3500	65.6	69.9	70.3	70.5	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	67.6	72.2	72.6	72.9	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 2500	70.5	75.7	76.1	76.4	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	72.4	78.4	78.9	79.2	79.3	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	72.9	79.2	79.7	80.0	80.2	80.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1500	74.6	81.6	82.0	82.5	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	76.5	85.2	85.7	86.3	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	77.2	86.4	87.1	87.8	88.1	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	77.6	87.2	87.8	88.6	89.0	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	78.4	88.6	89.4	90.7	91.1	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0
≥ 700	78.6	89.2	90.2	91.6	92.3	92.4	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.5	93.5
≥ 600	78.9	90.0	91.3	92.8	93.9	94.0	95.1	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.6	95.6
≥ 500	78.9	90.3	91.6	93.4	94.6	94.7	96.2	96.3	96.3	96.8	96.9	96.9	96.9	96.9	97.0	97.0
≥ 400	79.0	90.4	91.8	93.7	94.9	95.1	97.3	97.6	97.6	98.3	98.4	98.4	98.4	98.4	98.5	98.5
≥ 300	79.0	90.5	91.8	93.7	95.0	95.2	97.4	98.0	98.0	98.7	98.9	98.9	98.9	99.1	99.2	99.2
≥ 200	79.0	90.5	91.9	93.8	95.1	95.3	97.6	98.2	98.2	99.0	99.4	99.4	99.4	99.5	99.6	99.6
≥ 100	79.0	90.5	91.9	93.8	95.1	95.3	97.6	98.2	98.2	99.0	99.4	99.4	99.4	99.7	99.7	99.9
≥ 0	79.0	90.5	91.9	93.8	95.1	95.3	97.6	98.2	98.2	99.0	99.4	99.4	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1859

ALLIANCE/AGRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44, 48-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	41.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	59.3	60.7	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 18000	59.5	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	59.6	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 14000	61.2	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	62.9	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 10000	64.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000	65.2	67.5	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 8000	66.7	69.1	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	67.3	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	67.8	70.4	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 5000	69.0	71.7	72.0	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	69.7	72.5	72.8	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	71.0	74.0	74.3	74.3	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	72.3	75.5	75.8	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	73.8	77.4	77.8	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	76.3	80.1	80.5	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2000	78.3	83.2	83.6	83.8	83.9	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1800	79.0	84.1	84.5	84.6	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1500	79.9	85.4	86.0	86.1	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200	81.7	88.0	88.7	89.0	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1000	82.3	89.3	90.3	90.9	91.1	91.2	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	82.5	89.6	90.6	91.2	91.7	91.8	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	82.8	90.4	91.5	92.4	93.2	93.3	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	83.0	91.0	92.3	93.3	94.1	94.3	94.6	94.7	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	83.2	91.7	93.2	94.2	95.1	95.2	95.9	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	83.2	92.0	93.5	95.0	96.0	96.1	97.1	97.3	97.4	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	83.2	92.0	93.5	95.1	96.2	96.3	97.4	97.6	97.8	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 300	83.2	92.0	93.6	95.2	96.3	96.4	97.6	97.9	98.0	98.1	99.0	99.2	99.2	99.6	99.6	99.6
≥ 200	83.2	92.1	93.7	95.4	96.4	96.6	97.9	98.2	98.3	99.2	99.4	99.5	99.5	99.9	99.9	99.9
≥ 100	83.2	92.1	93.7	95.4	96.4	96.6	97.9	98.2	98.3	99.3	99.5	99.5	99.5	99.9	99.9	99.9
≥ 0	83.2	92.1	93.7	95.4	96.4	96.6	97.9	98.2	98.3	99.3	99.5	99.5	99.5	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1828

ALLIED/EGY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-44,49-64
 YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
 HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	46.0	47.9	47.9	47.9	48.3	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	
≥ 20000	61.2	63.8	63.9	64.0	64.3	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	
≥ 18000	61.3	63.8	64.0	64.0	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	
≥ 16000	61.3	63.9	64.0	64.1	64.5	64.5	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	
≥ 14000	62.6	65.3	65.4	65.4	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	
≥ 12000	63.6	66.2	66.3	66.4	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.1	67.1	
≥ 10000	65.3	68.1	68.3	68.3	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	
≥ 9000	65.8	68.6	68.8	68.8	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.6	69.6	
≥ 8000	66.9	69.8	69.9	70.0	70.5	70.5	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	
≥ 7000	67.7	70.7	70.9	70.9	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	
≥ 6000	69.2	72.3	72.4	72.4	72.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2	
≥ 5000	70.0	73.3	73.4	73.5	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	
≥ 4500	70.9	74.1	74.3	74.3	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	
≥ 4000	72.3	75.9	76.0	76.1	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	
≥ 3500	73.6	77.4	77.5	77.5	78.0	78.0	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.4	78.4	
≥ 3000	75.2	79.7	79.9	80.0	80.4	80.5	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	
≥ 2500	76.7	81.7	82.0	82.2	82.7	82.7	82.9	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	
≥ 2000	78.0	83.6	84.0	84.4	84.9	84.9	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.4	85.4	
≥ 1800	78.6	84.4	84.8	85.3	85.7	85.8	85.9	86.0	86.0	86.1	86.2	86.2	86.2	86.2	86.2	
≥ 1500	79.4	86.2	86.6	87.1	87.5	87.6	87.8	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	
≥ 1200	80.2	87.9	88.6	89.2	89.7	89.8	90.0	90.2	90.2	90.2	90.3	90.3	90.3	90.4	90.4	
≥ 1000	80.6	88.9	89.7	90.4	91.2	91.2	91.6	91.7	91.7	91.8	92.0	92.0	92.1	92.1	92.1	
≥ 900	80.8	89.5	90.4	91.2	91.9	92.0	92.4	92.5	92.5	92.6	92.9	92.9	92.9	93.0	93.0	
≥ 800	80.9	90.0	90.9	91.8	92.6	92.7	93.1	93.3	93.3	93.3	93.6	93.6	93.7	93.7	93.7	
≥ 700	80.9	90.2	91.2	92.2	93.0	93.1	93.5	93.7	93.7	93.7	94.0	94.0	94.1	94.1	94.1	
≥ 600	81.1	90.8	92.0	93.1	94.1	94.2	94.7	94.9	94.9	95.2	95.6	95.6	95.7	95.8	95.8	
≥ 500	81.2	91.3	92.7	94.1	95.1	95.2	95.9	96.2	96.2	96.6	97.0	97.0	97.1	97.2	97.2	
≥ 400	81.2	91.6	93.0	94.4	95.5	95.8	96.7	97.0	97.0	97.7	98.1	98.1	98.2	98.2	98.3	
≥ 300	81.2	91.7	93.2	94.5	95.6	95.9	96.9	97.2	97.2	97.9	98.3	98.3	98.4	98.5	98.6	
≥ 200	81.2	91.7	93.2	94.6	95.8	96.1	97.2	97.6	97.7	98.4	98.9	98.9	99.0	99.0	99.2	
≥ 100	81.2	91.7	93.3	94.7	95.9	96.2	97.3	97.7	97.7	98.5	99.0	99.0	99.1	99.2	99.3	
≥ 0	81.2	91.7	93.3	94.7	95.9	96.2	97.3	97.7	97.7	98.5	99.0	99.0	99.1	99.2	99.4	

TOTAL NUMBER OF OBSERVATIONS 1767

ALLIED/EGRY BUSINESS SYSTEMS

150523

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

CEILING VERSUS VISIBILITY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-44,49-64
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	49.5	51.5	51.8	52.0	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.5	52.5
≥ 20000	62.0	64.7	65.3	65.4	65.5	65.5	65.8	65.8	65.8	65.9	65.9	65.9	66.1	66.1	66.2	66.2	66.2
≥ 18000	62.0	64.8	65.3	65.4	65.6	65.6	65.9	65.9	65.9	66.0	66.0	66.0	66.2	66.2	66.3	66.3	66.3
≥ 16000	62.7	65.6	66.1	66.2	66.4	66.4	66.7	66.7	66.7	66.8	66.8	66.8	66.9	66.9	67.1	67.1	67.1
≥ 14000	62.7	65.6	66.1	66.2	66.4	66.4	66.7	66.7	66.7	66.8	66.8	66.8	66.9	66.9	67.1	67.1	67.1
≥ 12000	63.2	66.2	66.7	66.8	66.9	66.9	67.2	67.2	67.2	67.4	67.4	67.4	67.6	67.6	67.7	67.7	67.7
≥ 10000	64.5	67.5	68.1	68.2	68.4	68.4	68.6	68.6	68.6	68.8	68.8	68.8	69.0	69.0	69.1	69.1	69.1
≥ 9000	64.7	67.8	68.4	68.5	68.6	68.6	68.9	68.9	68.9	69.1	69.1	69.1	69.3	69.3	69.4	69.4	69.4
≥ 8000	65.3	68.4	69.0	69.1	69.3	69.3	69.6	69.6	69.6	69.7	69.7	69.7	69.9	69.9	70.0	70.0	70.0
≥ 7000	65.9	69.2	69.8	69.9	70.1	70.1	70.3	70.3	70.3	70.5	70.5	70.5	70.7	70.7	70.8	70.8	70.8
≥ 6000	67.1	70.6	71.1	71.3	71.4	71.4	71.7	71.7	71.7	71.9	71.9	71.9	72.0	72.0	72.2	72.2	72.2
≥ 5000	68.1	71.6	72.3	72.4	72.6	72.6	72.8	72.8	72.8	73.0	73.0	73.0	73.2	73.2	73.3	73.3	73.3
≥ 4500	69.2	72.8	73.5	73.6	73.7	73.7	74.0	74.0	74.0	74.2	74.2	74.2	74.4	74.4	74.5	74.5	74.5
≥ 4000	70.4	74.6	75.2	75.3	75.5	75.5	75.8	75.8	75.8	75.9	75.9	75.9	76.1	76.1	76.2	76.2	76.2
≥ 3500	71.4	75.8	76.6	76.7	76.9	76.9	77.1	77.1	77.1	77.3	77.3	77.3	77.5	77.5	77.6	77.6	77.6
≥ 3000	72.6	77.2	78.0	78.2	78.3	78.3	78.6	78.6	78.6	78.8	78.8	78.8	78.9	78.9	79.1	79.1	79.1
≥ 2500	74.7	79.6	80.4	80.5	80.7	80.7	81.0	81.0	81.0	81.2	81.2	81.2	81.4	81.4	81.5	81.5	81.5
≥ 2000	76.3	81.7	82.5	82.7	82.9	82.9	83.1	83.2	83.2	83.4	83.4	83.4	83.5	83.5	83.6	83.6	83.6
≥ 1800	76.6	82.4	83.3	83.5	83.6	83.6	83.9	84.0	84.0	84.2	84.2	84.2	84.3	84.3	84.4	84.4	84.4
≥ 1500	77.2	83.6	84.8	84.9	85.3	85.3	85.6	85.7	85.7	85.9	85.9	85.9	86.0	86.0	86.1	86.1	86.1
≥ 1200	78.4	85.0	86.5	86.7	87.1	87.2	87.4	87.5	87.5	87.8	87.8	87.8	88.0	88.0	88.1	88.1	88.1
≥ 1000	78.7	85.9	87.5	87.8	88.2	88.3	88.6	88.7	88.7	88.9	88.9	89.0	89.2	89.2	89.4	89.4	89.4
≥ 900	78.9	86.5	88.2	88.5	89.0	89.0	89.3	89.4	89.4	89.6	89.6	89.8	89.8	90.0	90.0	90.1	90.1
≥ 800	79.0	87.4	89.2	89.8	90.3	90.3	90.6	90.8	90.8	91.1	91.2	91.2	91.4	91.4	91.5	91.5	91.5
≥ 700	79.2	88.3	90.2	90.8	91.5	91.5	91.9	92.1	92.1	92.3	92.4	92.4	92.6	92.6	92.8	92.8	92.8
≥ 600	79.5	88.9	91.1	92.1	92.9	93.0	93.4	93.7	93.7	93.9	94.2	94.2	94.5	94.5	94.6	94.6	94.6
≥ 500	79.8	89.6	91.9	92.9	93.7	93.8	94.4	94.7	94.7	95.0	95.2	95.2	95.5	95.5	95.6	95.6	95.6
≥ 400	79.9	90.3	92.5	93.5	94.4	94.5	95.4	95.8	95.8	96.1	96.3	96.3	96.6	96.6	96.8	96.8	96.8
≥ 300	79.9	90.4	92.7	93.8	94.7	94.9	95.9	96.3	96.3	96.7	96.9	96.9	97.2	97.2	97.4	97.4	97.4
≥ 200	79.9	90.5	92.8	93.9	94.9	95.1	96.2	96.7	96.7	97.2	97.5	97.5	97.8	97.8	98.1	98.1	98.1
≥ 100	79.9	90.5	92.8	94.0	95.0	95.2	96.5	97.0	97.0	97.5	97.8	97.8	98.4	98.4	98.9	98.9	98.9
≥ 0	79.9	90.5	92.8	94.0	95.0	95.2	96.5	97.0	97.0	97.5	97.8	97.8	98.4	98.4	99.2	100.0	100.0

ALLIED/FORG BUSINESS SYSTEMS

150523

TOTAL NUMBER OF OBSERVATIONS

1767

PART D

SKY COVER

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

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

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

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

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

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

SKY COVER

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

48-64
PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	25.8	3.5	3.2	2.9	2.6	2.3	2.9	3.4	5.1	3.7	44.5	6.0	11840
FEB		27.7	3.9	3.6	3.4	2.9	2.2	2.8	3.6	5.5	3.9	40.6	5.7	10848
MAR		25.9	4.4	4.9	4.0	3.0	2.5	3.3	4.2	5.6	4.2	38.1	5.6	11903
APR		24.5	3.6	3.7	3.5	2.9	2.8	3.7	4.6	7.6	5.1	38.1	5.9	11520
MAY		19.1	4.9	5.6	5.1	5.1	4.2	5.3	6.3	9.0	5.4	30.0	5.7	11902
JUN		25.0	7.1	6.6	6.8	7.9	6.0	5.3	6.7	8.7	5.4	15.5	4.5	11511
JUL		26.1	8.2	8.4	8.5	7.3	6.1	4.5	6.8	7.9	5.3	10.9	4.0	11902
AUG		31.1	8.9	8.4	8.6	7.6	6.1	4.6	5.4	6.2	4.2	9.0	3.5	11903
SEP		36.5	6.9	6.5	6.3	5.0	4.3	3.4	4.4	5.7	4.5	16.5	3.8	11518
OCT		43.8	5.3	4.6	4.1	3.2	2.7	3.1	3.7	5.2	3.7	20.6	3.8	11902
NOV		38.1	4.9	3.8	3.3	2.7	2.4	2.4	3.6	5.4	4.2	29.2	4.6	11517
DEC		33.0	4.4	3.4	3.6	2.6	1.9	2.9	3.2	4.9	4.1	36.0	5.2	12427
TOTALS		29.7	5.5	5.2	5.0	4.3	3.6	3.7	4.6	6.4	4.5	27.4	4.9	140693

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

SKY COVER

13928

WACO TEXAS/JAMES CONNALLY AFB

49-64

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	34.3	2.1	3.9	3.6	2.4	2.0	3.5	3.9	6.5	2.6	35.3	5.2	1440
	03-05	28.8	1.9	2.5	3.1	2.6	1.8	3.6	2.8	4.8	3.8	44.2	5.9	1440
	06-08	18.0	3.9	3.3	2.5	1.7	2.2	2.0	3.1	6.5	6.9	49.9	6.8	1440
	09-11	18.2	3.2	2.8	3.5	2.4	1.9	2.3	4.0	8.2	7.5	46.1	6.7	1440
	12-14	18.8	3.2	3.3	2.8	3.1	3.0	3.5	6.7	11.4	7.2	36.8	6.4	1440
	15-17	19.2	4.2	4.1	4.0	4.2	5.3	4.7	5.5	9.9	6.0	32.9	6.0	1440
	18-20	23.5	6.3	5.2	4.2	3.8	4.0	4.6	5.6	8.6	4.0	30.2	5.4	1440
	21-23	35.3	3.6	4.5	4.3	3.2	2.4	5.3	5.1	4.9	2.4	29.0	4.7	1440
TOTALS		24.5	3.6	3.7	3.5	2.9	2.8	3.7	4.6	7.6	5.1	38.1	5.9	11520

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

SKY COVER

13928 WACO TEXAS/JAMES CONNALLY AFB 49-64 MAY
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	32.7	3.2	5.6	5.4	4.3	2.4	4.8	4.3	5.3	2.5	29.4	4.8	1488
	03-05	21.7	3.1	5.3	3.6	4.0	2.7	5.4	4.6	7.7	3.4	38.6	6.0	1488
	06-08	13.0	3.0	4.0	3.4	3.5	3.4	3.8	5.5	11.3	7.6	41.5	6.9	1488
	09-11	13.0	4.4	3.4	4.4	5.4	4.0	4.9	7.5	12.2	7.5	33.3	6.5	1488
	12-14	11.7	5.4	5.4	5.0	5.0	6.4	5.9	7.9	12.0	6.8	28.4	6.2	1488
	15-17	12.4	6.3	6.4	6.3	6.7	6.9	6.3	8.0	9.5	7.3	23.8	5.7	1487
	18-20	17.1	8.6	8.9	6.3	6.2	4.7	5.0	7.4	8.2	4.7	22.9	5.1	1488
	21-23	31.1	5.2	6.3	6.3	5.4	3.5	6.4	4.7	5.4	3.4	22.4	4.4	1487
TOTALS		19.1	4.9	5.6	5.1	5.1	4.2	5.3	6.3	9.0	5.4	30.0	5.7	11902

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

SKY COVER

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

49-64
PERIOD

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	61.1	6.6	5.5	5.0	3.9	2.4	2.4	2.4	2.2	1.1	7.5	1.9	1488
	03-05	52.7	7.9	6.9	5.4	4.4	3.8	2.5	2.3	3.0	2.5	8.7	2.4	1488
	06-08	22.5	9.1	10.0	10.6	6.8	4.6	5.0	5.8	7.1	5.3	13.2	4.2	1488
	09-11	21.7	9.6	7.3	8.9	7.7	7.5	5.9	8.0	7.6	5.1	10.7	4.2	1487
	12-14	11.8	7.6	9.7	9.8	12.7	9.5	7.9	6.9	9.7	6.3	8.1	4.7	1488
	15-17	8.9	8.6	9.5	12.4	13.4	11.2	5.3	8.7	8.6	6.2	7.2	4.6	1488
	18-20	19.4	14.4	11.0	9.0	7.3	6.3	4.4	6.8	6.3	5.0	8.1	3.9	1488
	21-23	50.6	7.5	7.4	7.8	4.5	3.0	3.4	2.5	3.0	2.0	8.4	2.4	1488
TOTALS		31.1	8.9	8.4	8.6	7.6	6.1	4.6	5.4	6.2	4.2	9.0	3.5	11903

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

SKY COVER

13928

WACO TEXAS/JAMES CONNALLY AFB

49-64

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	56.4	4.7	4.3	5.4	2.8	1.8	2.1	2.4	3.6	1.9	16.5	2.8	1439
	03-05	52.5	4.2	4.0	3.7	2.1	1.9	1.9	2.4	4.3	2.7	20.3	3.3	1440
	06-08	29.6	8.6	7.2	5.5	3.5	3.1	2.9	5.1	6.5	4.1	23.9	4.5	1439
	09-11	27.1	7.2	5.6	6.7	4.7	4.9	4.7	5.5	8.0	6.5	19.2	4.6	1440
	12-14	17.8	7.1	6.3	9.4	9.0	6.7	5.8	7.4	7.8	5.8	14.7	4.8	1440
	15-17	19.7	6.8	9.7	9.5	10.1	7.8	4.5	5.8	7.2	6.9	12.0	4.4	1440
	18-20	34.7	10.1	8.5	8.2	5.1	4.0	2.7	3.8	5.5	5.3	12.0	3.5	1440
	21-23	54.6	6.0	6.6	4.3	3.0	2.1	2.2	2.8	3.0	2.2	13.1	2.6	1440
TOTALS		36.5	6.9	6.5	6.3	5.0	4.3	3.4	4.4	5.7	4.5	16.5	3.8	11518

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

PART E PSYCHROMETRIC SUMMARIES

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

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.
 - b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of

observations used in the computations for each element is also shown.

- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Record for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

DAILY TEMPERATURES

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,48-64
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
105							1.2	2.4	3.2				3
100						2.1	17.0	27.7	3.0				4.2
95				.4	2.3	31.8	66.7	67.2	24.4	1.4			16.4
90	.2	.2	.5	3.2	24.5	73.3	90.3	88.1	56.5	12.4			29.4
85	.2	1.7	3.7	16.5	58.3	91.4	96.8	97.4	78.6	32.6	3.1	.2	40.5
80	1.7	4.5	16.0	43.9	79.7	96.8	99.1	99.0	91.6	58.2	15.7	1.7	51.2
75	7.9	16.2	32.1	65.3	91.6	98.6	99.8	100.0	97.0	77.4	30.0	7.7	60.8
70	22.9	31.8	51.8	81.0	96.9	99.5	100.0		99.5	87.4	48.7	21.3	70.4
65	31.7	49.2	70.5	91.9	99.0	100.0			99.6	94.9	64.3	34.9	78.2
60	46.6	62.2	81.3	97.4	99.7				100.0	98.8	76.8	50.8	84.6
55	61.0	73.6	89.5	99.3	100.0					99.7	87.8	68.2	90.4
50	73.4	84.9	95.4	99.8						100.0	93.3	80.9	94.0
45	82.4	92.5	97.6								97.4	90.1	96.7
40	89.5	96.5	98.8	100.0							99.4	96.1	98.3
35	93.8	99.1	99.8								100.0	98.3	99.2
30	97.1	99.6	100.0									99.8	99.7
25	99.0	99.8										100.0	99.9
20	99.5	100.0											99.9
15	100.0												100.0
MEAN	57.3	62.5	68.9	76.9	84.6	91.6	95.5	96.1	89.4	80.1	67.8	59.5	77.7
SD	13.398	11.787	10.495	8.165	6.754	5.223	4.826	5.210	6.681	8.186	10.900	11.000	16.216
TOTAL OBS	580	537	589	570	607	570	589	589	570	589	540	588	6918

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

DAILY TEMPERATURES

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,48-64

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60							2.9	3.2	.7				.6
75					1.8	26.8	56.5	54.8	10.4	1.5	.2		12.8
70			.5	2.8	24.3	73.9	96.3	88.8	48.1	10.0	1.1		29.1
65	.7	.2	3.1	18.2	53.8	95.6	100.0	98.0	73.2	22.9	5.2	.7	39.7
60	3.3	5.9	11.5	41.1	82.7	99.5		99.8	89.5	45.0	10.6	3.1	49.7
55	7.6	11.2	22.6	58.9	91.9	100.0		100.0	97.5	65.0	22.4	6.6	57.5
50	13.3	22.0	41.4	76.3	98.0				90.6	83.2	34.8	12.8	65.6
45	22.8	37.2	58.7	89.1	99.5				99.8	93.5	53.1	25.7	73.6
40	41.2	58.5	77.8	96.8	100.0				100.0	98.3	73.9	46.4	82.9
35	58.3	78.2	89.0	99.5						100.0	90.6	70.2	90.6
30	78.4	91.1	97.3	100.0							97.0	87.1	95.9
25	89.4	97.0	99.1								99.6	95.7	98.3
20	93.8	99.2	99.8								100.0	99.1	99.3
15	97.9	99.4										99.7	99.7
10	99.1	99.6	100.0									100.0	99.8
5	99.7	100.0											99.9
5-	99.8												99.9
10-	100.0												100.0
MEAN	37.1	41.8	47.0	56.1	64.6	71.7	74.8	74.7	68.0	57.9	46.4	39.3	56.7
SD	11.359	9.679	9.697	8.493	6.280	3.893	2.698	3.693	6.093	8.570	9.900	9.245	15.571
TOTAL OBS	580	537	589	570	606	570	589	589	570	589	540	588	6517

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

DAILY TEMPERATURES

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45.48-64

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95							.2	.2					.2
90						.4	8.5	14.6	1.1				2.1
85					1.3	27.4	64.0	62.8	13.0				14.3
80				1.1	22.1	75.3	94.4	91.7	52.1	.3			29.1
75	.2	.2	2.2	15.3	59.6	94.0	99.1	98.3	78.1	23.6	3.5	.2	39.6
70	1.6	2.2	11.4	40.9	83.2	98.6	100.0	100.0	92.6	52.5	10.9	1.0	50.1
65	6.7	11.5	26.1	63.3	93.4	99.6			98.6	73.8	22.4	5.3	58.9
60	14.7	23.8	45.3	81.4	98.2	100.0			99.5	88.3	38.1	13.0	67.4
55	25.7	44.5	66.2	92.3	99.7				100.0	96.3	61.5	28.3	76.5
50	44.5	61.4	82.5	98.8	100.0					99.3	79.4	49.4	84.7
45	61.4	78.2	91.7	99.8						99.8	91.3	71.4	91.2
40	78.1	90.1	97.3							100.0	96.3	88.1	95.8
35	86.2	96.1	98.8	100.0							99.4	94.7	97.9
30	93.3	98.9	99.8								100.0	98.6	99.2
25	97.1	99.4	100.0									99.5	99.6
20	98.6	99.8										100.0	99.8
15	99.5	100.0											99.9
10	99.8												99.9
5	100.0												99.9
MEAN	47.3	52.3	58.1	66.7	74.8	81.8	85.3	85.3	78.9	69.1	57.2	49.5	67.3
SD	11.450	9.787	9.327	7.563	5.921	4.194	3.445	4.120	5.711	7.576	9.469	9.060	15.506
TOTAL OBS	580	537	589	570	606	570	589	589	570	589	540	587	6916

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

EXTREME VALUES

MINIMUM TEMPERATURE
 (FROM DAILY OBSERVATIONS)

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45, 49-64
YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42						62	68	70	41	44	32	29	
43	8	26	14	46	56	70	65	72	55	36	32	19	8
44	9	25	32	41	48	66	68	64	58	43	31	27	9
45	29	30	36	34	46	62	66	88	50	35			
49		7	34	40	56	65	70	63	54	41	34	25	
50	22	32	27	38	56	58	66	64	59	51	26	13	13
51	15	7	27	38	52	61	72	75	55	45	26	20	7
52	31	31	32	40	48	66	66	69	57	37	33	26	26
53	22	29	36	39	48	69	68	64	57	43	34	20	20
54	18	29	27	36	44	58	73	71	58	42	37	32	18
55	28	22	25	47	61	58	71	67	64	39	27	21	27
56	22	25	31	41	57	63	72	66	59	47	30	29	22
57	19	38	30	35	51	66	73	68	55	35	32	25	19
58	26	23	34	43	52	60	71	68	58	48	27	20	27
59	12	28	33	37	57	66	70	68	57	41	24	30	12
60	24	21	24	42	46	65	72	69	58	45	30	25	21
61	18	31	37	36	51	61	67	59	53	43	36	23	18
62	11	24	22	34	43	64	68	66	55	43	34	20	11
63	10	22	30	44	52	67	67	67	49	49	34	14	10
64	9	27	30	33	50								
MEAN	18.5	25.1	29.5	39.2	51.3	63.5	69.1	67.3	55.4	42.5	30.7	23.2	15.9
S D	7.493	7.630	5.651	4.072	4.942	3.611	2.622	3.603	4.833	4.611	4.417	5.316	5.807
TOTAL OBS	558	537	589	570	589	570	589	589	570	589	540	558	6848

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

42-45,48-64
YEARS

ALL
MONTH

PAGE 1 ALL
FOURS L S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point
110/109																																	.0	2	2	
108/107																																	.0	10	10	
106/105																											.0	.0	.0	.0	.0	.0	.0	43	43	
104/103																										.0	.0	.0	.0	.0	.0	.0	.0	173	173	
102/101																																	.0	431	431	
100/99																																	.0	968	968	
98/97																																	.0	1741	1741	
96/95										.0	.0	.0	.1	.2	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2622	2623		
94/93										.0	.0	.0	.3	.6	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3088	3089	
92/91										.0	.0	.0	.2	.6	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3487	3487	
90/89										.0	.0	.2	.7	.7	.5	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4419	4420	
88/87						.0	.0	.0	.2	.6	.7	.5	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4638	4639	
86/85						.0	.0	.2	.6	.8	.6	.3	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5294	5295	5 1
84/83			.0	.0	.1	.5	1.0	.7	.4	.3	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5779	5779	14 1	
82/81	.0	.0	.1	.5	.9	.8	.5	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6529	6529	62 10	
80/79		.0	.5	1.2	1.0	.7	.4	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8009	8009	712 24	
78/77	.0	.4	1.2	1.2	.8	.5	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8761	8762	4419 720	
76/75	.0	1.0	1.3	1.0	.6	.5	.3	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	9302	9303	13018 1535		
74/73	.1	.9	1.2	.8	.5	.4	.2	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	8109	8112	16342 6398		
72/71	.1	.8	1.1	.7	.5	.3	.3	.2	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7446	7449	13693 11372		
70/69	.1	.9	1.1	.7	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	7267	7273	11510 13255		
68/67	.1	.9	.9	.5	.4	.3	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6713	6717	9472 13002		
66/65	.2	1.1	.8	.4	.3	.3	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	6605	6618	9033 12094		
64/63	.2	.8	.6	.4	.3	.3	.3	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5574	5582	7794 10666		
62/61	.2	.8	.5	.4	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5400	5417	6557 8722		
60/59	.2	.8	.5	.4	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5398	5414	6432 7370		
58/57	.2	.6	.5	.4	.3	.3	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4970	4977	5650 6173		
56/55	.2	.7	.5	.4	.4	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5103	5124	5595 5561		
54/53	.2	.6	.5	.4	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4697	4713	5634 5048		
52/51	.2	.7	.5	.5	.4	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4626	4633	5851 4869		
50/49	.2	.6	.6	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4769	4775	5720 4933		
48/47	.2	.6	.6	.5	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4193	4203	5628 4598		
46/45	.2	.7	.6	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4254	4259	5780 4720		
44/43	.2	.6	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3694	3707	5522 4753		
Element (X)	ΣX		ΣX		X	%	No Obs		Mean No. of Hours with Temperature										Total																	
Rel Hum									≤ 0 F	- 32 F	+ 67 F	+ 73 F	80 F	+ 93 F																						
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0 26 5 (Rev 50) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,48-64 ALL
 STATION STATION NAME YEARS MONTH

PAGE 2 ALL
 HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
42/ 41	.2	.5	.6	.4	.2	.0	.0																												3198	3261	4835	4996	
40/ 39	.2	.5	.6	.3	.1	.0																													3067	3079	4734	5129	
38/ 37	.1	.5	.5	.3	.1	.0																														2429	2440	3759	4985
36/ 35	.1	.5	.4	.2	.0	.0																														2154	2159	3340	4741
34/ 33	.1	.4	.3	.1	.0																															1620	1622	2607	4568
32/ 31	.1	.3	.2	.1	.0	.0																														1257	1262	2220	4380
30/ 29	.1	.2	.1	.1	.0																															884	885	1539	3512
28/ 27	.0	.2	.1	.0	.0																															626	632	1043	2944
26/ 25	.0	.1	.1	.0	.0																															455	461	706	2094
24/ 23	.0	.1	.1	.0																																324	324	482	1915
22/ 21	.0	.1	.0	.0																																193	193	377	1467
20/ 19	.0	.1	.0	.0																																144	144	239	1172
18/ 17	.0	.0	.0																																	166	166	190	821
16/ 15	.0	.0	.0																																	90	90	131	614
14/ 13	.0	.0	.0																																	47	47	84	403
12/ 11	.0	.0	.0																																	30	30	55	309
10/ 9	.0	.0	.0																																	21	21	32	199
8/ 7	.0	.0																																		6	6	14	211
6/ 5	.0	.0																																		1	1		166
4/ 3	.0	.0																																				116	
2/ 1	.0	.0																																		2	2	1	86
0/- 1	.0	.0																																		1	1	2	34
2/- 3	.0	.0																																		1	1	1	23
4/- 5	.0	.0																																		4	4	4	31
6/- 7	.0	.0																																		4	4	4	16
8/- 9																																							13
10/- 11																																							19
12/- 13																																							3
16/- 17																																							1
58/- 59																																							1
TOTAL	3.6	17.1	117.2	13.7	10.5	8.7	7.0	5.9	4.9	3.8	2.9	2.0	1.3	.7	.3	.1	.1																		171051	170844			
																																				170836	170843		

1210 WS JST 04 0 26 5 (0pt 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σx	Σx^2	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature					Total	
						< 0 F	0 F - 32 F	32 F - 67 F	67 F - 73 F	80 F	> 93 F	
Rel Hum	816020203	11284391	66.1	20.338	170841							
Dry Bulb	817755743	11456827	66.9	17.163	171051	.5	219.0	4860.9	3762.2	2228.8	465.3	8760.0
Wet Bulb	630850504	10101026	59.1	14.030	170843	.6	365.1	3548.6	1771.7	15.2		8760.0
Dew Point	535287814	9177086	53.7	15.740	170844	7.2	1081.3	2348.0	419.7	1.0		8760.0

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928 WACO TEXAS/JAMES CONNALLY AFB 43-45,49-64 JAN
 STATION STATION NAME YEARS MONTH

PAGE 1 ALL
 HOURS L S TT

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point				
90/ 89																																			2	2				
88/ 87																																			4	4				
84/ 83																																			6	6				
82/ 81																																			10	10				
80/ 79																																			29	29				
78/ 77																																			63	63				
76/ 75																																			65	65				
74/ 73																																			115	115				
72/ 71																																			215	215				
70/ 69																																			313	313	37			
68/ 67																																			365	365	217	59		
66/ 65																																			394	394	370	199		
64/ 63																																			400	400	306	379		
62/ 61																																			454	454	337	261		
60/ 59																																			559	559	404	341		
58/ 57																																			512	512	368	328		
56/ 55																																			604	604	407	324		
54/ 53																																			615	615	514	367		
52/ 51																																			683	683	663	353		
50/ 49																																			811	811	668	466		
48/ 47																																			749	749	737	480		
46/ 45																																			785	787	861	530		
44/ 43																																			825	833	933	580		
42/ 41																																			734	737	934	713		
40/ 39																																			743	745	926	805		
38/ 37																																			643	650	814	706		
36/ 35																																			677	679	812	744		
34/ 33																																			628	630	726	917		
32/ 31																																			467	472	770	872		
30/ 29																																			352	353	581	759		
28/ 27																																			259	265	393	648		
26/ 25																																			243	249	278	663		
24/ 23																																			184	184	232	476		
22/ 21																																			103	103	194	418		
Element (X)	Σ x		Σ x		x		σ _x		No Obs		Mean No of Hours with Temperature																													
Rel Hum																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

FORM 1210 WS JUL 54 0-26 S-001 50, REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

JAN
 MONTH

PAGE 2 ALL
 HOURS L S T

FORM 1210 WS JUL 64 0 26 5 (0e+ 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point				
20/ 19	.1	.4	.2	.0																														111	111	136	349			
18/ 17	.4	.4	.2																															147	147	158	245			
16/ 15	.1	.3	.1																															69	69	107	228			
14/ 13	.0	.2	.1																															38	38	63	191			
12/ 11	.0	.1	.0																															22	22	46	130			
10/ 9	.0	.0	.0																															12	12	20	79			
8/ 7	.0	.0																																2	2	10	101			
6/ 5		.0																																1	1		72			
4/ 3																																				1		62		
2/ 1	.0	.0																																2	2	1	63			
0/- 1	.0																																	1	1	2	22			
-2/- 3	.0																																	1	1	1	20			
-4/- 5	.0																																	4	4	4	28			
-6/- 7	.0																																	4	4	4	15			
-8/- 9																																					10			
-10/-11																																					19			
-12/-13																																					3			
-16/-17																																					1			
TOTAL	11.1	29.9	21.9	14.0	8.8	5.6	3.9	2.4	1.2	.6	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14069	14069	14069	14069		
																																					14025	14025	14025	14025

Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel Hum	77598210	1003700	71.6	20.289	14026							744.0
Dry Bulb	33313308	657266	46.7	13.615	14069	.5	107.9	62.8	15.5	1.7		744.0
Wet Bulb	27363738	595148	42.4	12.277	14028	.6	159.2	13.1				744.0
Dew Point	22026763	517523	36.9	14.458	14026	6.3	290.4	3.1				744.0

DATA PROCESSING DIVISION
 ETAC, USAF
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PSYCHROMETRIC SUMMARY

13928 WACO TEXAS/JAMES CONNALLY AFB
STATION STATION NAME

43-45,49-64
YEARS

FEB
MONTH

PAGE 2 ALL
HOURS LST

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB /WB	Dry Bulb	Wet Bulb	Dew Point	
22/ 21			.1	.0																														18	18	36	218
20/ 19	.0	.1																																8	8	26	165
18/ 17		.0	.0																														2	2	5	121	
16/ 15	.0	.0																															10	10	8	97	
14/ 13	.0	.0																															6	6	7	42	
12/ 11	.0	.0																															8	8	7	39	
10/ 9	.1																																9	9	12	30	
8/ 7	.0																																4	4	4	17	
6/ 5																																				16	
4/ 3																																				17	
2/ 1																																				4	
0/-1																																				2	
TOTAL	9.0	27.0	20.5	13.7	9.8	6.9	4.7	3.3	2.1	1.3	.8	.4	.2	.1	.1	.0	.0																12883	12875	12875	12875	

FORM 1210 WS JUL 64 0-26 5 (Dat 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σx	Σx^2	\bar{x}	σ_x	No Obs	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	> 73 F	> 80 F		> 93 F
Rel Hum	69800077	908529	70.6	21.022	12875							
Dry Bulb	36275518	665242	51.6	12.222	12883	35.4	78.1	26.5	4.9			672.0
Wet Bulb	29282440	598838	46.5	10.537	12875	60.9	10.0					672.0
Dew Point	23630633	527625	41.0	12.490	12875	.1	178.0	1.5				672.0

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

43-45,49-64
 YEARS

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 MONTH

PAGE 2 ALL
 HOURS LIST

FORM 1210 WS JUL 64 0-26 5 (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point	
26/ 25			.1	.1	.0																														21	21	49	442
24/ 23			.0	.0	.0																														12	12	31	296
22/ 21			.0	.0																															4	4	13	205
20/ 19				.0	.0																														3	3	10	140
18/ 17				.0																															3	3	7	109
16/ 15				.0																															3	3	4	78
14/ 13																																					5	55
12/ 11																																						29
10/ 9																																						23
8/ 7																																						26
6/ 5																																						21
4/ 3																																						4
2/ 1																																						9
0/- 1																																						2
2/- 3																																						1
4/- 5																																						1
8/- 9																																						1
TOTAL	3.9	18.9	18.3	15.6	11.6	9.2	6.6	5.2	3.8	2.7	2.2	1.3	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14131	13985		
																																				13984	13985	

Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No. Obs	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	64886654	901282	64.4	22.055	13985							
Dry Bulb	49074306	815260	57.7	12.014	14131	12.3	189.3	80.6	12.7	.1		744.0
Wet Bulb	37657684	710814	50.8	10.457	13985	30.2	49.6	.2				744.0
Dew Point	29667312	615706	44.0	13.531	13985	.3	160.8	15.8	.1			744.0

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
STATION

WACO TEXAS/JAMES CONNALLY AFB
STATION NAME

43-45,49-64
YEARS

APR
MONTH

PAGE 2 ALL
HOURS L S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point	
30/ 29																																				3	130
28/ 27																																					89
26/ 25																																					77
24/ 23																																					51
22/ 21																																					34
20/ 19																																					20
18/ 17																																					18
16/ 15																																					5
14/ 13																																					5
12/ 11																																					3
6/ 5																																					1
TOTAL	2.9	17.2	18.0	14.5	11.0	9.5	7.9	6.1	4.9	3.0	2.2	1.4	.8	.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	13675	13675	
																																				13675	13675

FORM 1210 WS 01 64 0 26 5 (Def. 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX^2	ΣX	\bar{X}	S_x	No. Obs	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	66404412	909214	66.5	20.866	13675							
Dry Bulb	61472017	905999	66.2	10.284	13677			370.1	200.9	74.7	.6	720.0
Wet Bulb	4439880	803450	58.8	8.698	13675			6155.2	11.7			720.0
Dew Point	40480658	727198	53.2	11.506	13675			36.4	65.0	1.0		720.0

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928 WACO TEXAS/JAMES CONNALLY AFB
STATION STATION NAME

42-45,49-64
YEARS

MAY
MONTH

PAGE 2 ALL
HOURS 1 5 T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB /W B	Dry Bulb	Wet Bulb	Dew Point		
32/ 31																																						12
30/ 29																																						4
28/ 27																																						1
20/ 19																																						1
TOTAL	2.2	13.8	18.3	14.0	11.2	9.6	9.3	7.3	6.1	4.3	2.6	1.3	.5	.3	.2	.1	.0																		14552	14553		
																																			14551	14551		

Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No Obs	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel Hum	72770178	994256	68.3	18.227	14551							
Dry Bulb	81775869	1083079	74.4	8.945	14552			601.0	430.4	222.8	7.1	744.0
Wet Bulb	64704712	966264	66.4	6.090	14551			416.6	99.8	.2		744.0
Dew Point	56950518	904052	62.1	7.366	14553			.9	229.9	17.5		744.0

FORM 1210 WS JUL 64 0 26 5 (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
 STATION

WAGO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

YEARS

JUN
 MONTH

PAGE 1 ALL
 HOURS 1 5 7

1210 WS FORM 3-76 (Rev 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
102/101																									.0	.0									14	14		
100/ 99																								.1	.1	.1									49	49		
98/ 97																		.0	.1	.2	.4	.3	.1											172	172			
96/ 95																	.0	.3	.6	1.3	.8	.2	.1											463	463			
94/ 93																	.0	.2	.8	1.7	1.4	.6	.1	.0										712	712			
92/ 91																	.0	.2	.7	2.0	1.9	1.0	.2	.1	.0									900	900			
90/ 89																	.0	.2	.8	1.8	2.0	1.2	.4	.1	.1	.0								951	951			
88/ 87																	.1	.5	1.7	1.9	1.4	.6	.1	.1	.0									933	933			
86/ 85																	.1	.5	1.8	2.3	1.4	.6	.2	.1	.0									1033	1033	1	1	
84/ 83																	.0	.3	1.4	2.5	1.5	.7	.3	.1	.0									983	983	1		
82/ 81																	.3	1.3	2.5	1.8	.9	.4	.1	.1	.0	.0								1057	1057	20	2	
80/ 79																	.1	1.4	3.0	2.6	1.1	.5	.1	.1	.0									1295	1295	245	6	
78/ 77																	.0	1.0	3.4	3.2	1.5	.6	.2	.1	.1	.0								1446	1446	1040	93	
76/ 75																	.0	2.2	3.9	2.2	.9	.3	.1	.1	.1									1412	1412	2798	439	
74/ 73																	.2	1.9	2.9	1.4	.5	.2	.1	.1	.0									1022	1022	3489	1436	
72/ 71																	.1	2.0	1.9	.9	.3	.1	.1	.0	.0									791	791	2730	2568	
70/ 69																	.1	1.4	1.4	.4	.1	.1	.0	.0										491	491	1809	2964	
68/ 67																	.2	1.1	.7	.1	.1	.0	.0											336	336	1034	2508	
66/ 65																	.1	.7	.3	.1	.0	.0												172	172	617	1828	
64/ 63																	.1	.3	.1	.1	.0													84	84	287	1139	
62/ 61																	.0	.1	.1	.0	.0													37	37	156	617	
60/ 59																	.0	.0	.1	.0														20	20	93	288	
58/ 57																	.0	.1	.0	.0														13	13	40	156	
56/ 55																	.0	.0	.0	.0														1	1	18	143	
54/ 53																	.0	.0	.0	.0														1	1	8	90	
52/ 51																																						52
50/ 49																																					42	
48/ 47																																					13	
46/ 45																																					3	
TOTAL																	.8	11.6	51.3	210.5	9.1	8.4	7.5	7.7	6.6	4.7	2.3	1.0	.4	.1	.0	.0		14389	14388	14388		

Element (X)	Σx	Σx^2	\bar{x}	s_x^2	No Obs	Mean No. of Hours with Temperature					Total
						< 67 F	67 F	73 F	80 F	93 F	
Rel Hum	68756005	961799	66.8	17.612	14388						
Dry Bulb	96193040	1170832	81.4	8.007	14389	703.6	622.6	399.5	70.6	720.0	
Wet Bulb	75094304	1037972	72.1	3.852	14388	659.0	380.1	5.7		720.0	
Dew Point	67039517	980007	68.1	4.478	14388	501.3	98.9	.2		720.0	

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

SEP
 MONTH

PAGE 1 ALL
 HOURS L S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point				
106/105																																				1	1			
104/103																																				16	16			
102/101																																				22	22			
100/ 99																																				47	47			
93/ 97																																				115	115			
96/ 95																																				313	313			
94/ 93																																				492	492			
92/ 91																																				568	568			
90/ 89																																				739	739			
88/ 87																																				727	727			
86/ 85																																				770	770			
84/ 83																																				822	822			
82/ 81	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	902	902	4	1		
80/ 79		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1139	1139	36	1		
78/ 77		.8	1.9	1.6	1.3	.8	.7	.5	.4	.1	.1	.1	.0																							1190	1191	492	22	
76/ 75	.2	2.8	2.1	2.0	1.0	.9	.6	.5	.3	.2	.1	.0	.0																							1509	1509	1658	241	
74/ 73	.4	2.2	2.1	1.3	.7	.6	.5	.3	.2	.2	.0	.0																								1215	1215	2212	1143	
72/ 71	.2	1.6	1.9	.9	.7	.6	.5	.2	.2	.1	.0																									994	994	1970	1436	
70/ 69	.2	1.1	1.1	1.1	.8	.6	.3	.2	.1	.0	.0																									817	817	1913	1639	
68/ 67	.0	.7	1.2	.9	.7	.4	.3	.1	.1	.0																										623	623	1342	1650	
66/ 65	.1	.7	1.0	.6	.4	.2	.2	.1	.0																											481	481	1178	1426	
64/ 63	.0	.2	.6	.5	.3	.2	.1	.1	.0																											285	285	1015	1228	
62/ 61	.1	.3	.4	.4	.2	.2	.1	.0																												235	235	783	967	
60/ 59	.0	.3	.3	.1	.2	.0	.0																													150	150	643	861	
58/ 57	.0	.2	.3	.2	.0	.0	.0																													102	102	410	807	
56/ 55	.0	.3	.1	.0	.0	.0	.0																													75	75	322	735	
54/ 53		.1	.0	.0	.0	.0	.0																													23	23	213	568	
52/ 51			.0	.0	.0																															10	10	101	485	
50/ 49			.0	.0																																4	4	48	305	
48/ 47			.0	.0																																3	3	23	230	
46/ 45			.0																																	3	3	15	183	
44/ 43																																							7	135
42/ 41			.0																																		2	2	5	106
40/ 39																																						2	84	
Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No Obs	Mean					of Hours with Temperature																													
Rel Hum						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																												
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

1210 WS FORM 1210 WS (REV. 50) 0-26-5 (REV. 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,49-64
 STATION STATION NAME YEARS

SEP
 MONTH

PAGE 2 ALL
 HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb	Wet Bulb	Dew Point		
38/ 37																																					2	56
36/ 35																																					40	
34/ 33																																					27	
32/ 31																																					15	
30/ 29																																					2	
28/ 27																																					2	
TOTAL	1.2	11.4	14.2	12.4	10.1	9.2	8.2	7.6	6.8	5.9	4.8	3.4	2.4	1.5	.5	.2	.2																		14395	14395		
																																			14394	14394		

Element (X)	Σx	Σx^2	\bar{x}	σ_x	No. Obs	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	63425448	913450	63.5	20.173	14394							
Dry Bulb	89442256	1126956	78.3	9.188	14395			651.3	529.6	306.3	50.3	720.0
Wet Bulb	67874733	984393	68.4	6.198	14394			481.5	220.2	.7		720.0
Dew Point	58488319	909713	63.2	8.325	14395			1.0	306.8	70.4	.1	720.0

1210 WS 1094 JUL 64 0 26 5 (Def 50) REV 510 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928 STATION WACO TEXAS/JAMES CONNALLY AFB STATION NAME 42-45,49-64 YEARS OCT MONTH

PAGE 1 ALL HOURS LST

T mp °F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB °W B	Dry Bulb	Wet Bulb	Dew Point
96/ 95																			.0	.0			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	16	16		
94/ 93																			.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	31	31		
92/ 91																	.0	.1	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	97	97		
90/ 89														.1	.3	.3	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	198	198			
88/ 87										.0	.2	.3	.3	.3	.3	.3	.3	.3	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	256	256			
86/ 85								.0	.2	.3	.3	.3	.3	.4	.3	.3	.3	.4	.3	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	364	364			
84/ 83					.0	.1	.5	.4	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	454	454			
82/ 81			.0	.2	.4	.4	.5	.7	.6	.6	.4	.3	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	583	583			
80/ 79		.0	.1	.5	.6	.5	.6	.5	.5	.4	.3	.2	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	658	658	1		
78/ 77		.1	.7	.6	.6	.6	.6	.6	.6	.6	.6	.5	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	801	801	42	4	
76/ 75	.0	.7	1.1	.7	.7	.7	.7	.4	.5	.5	.5	.5	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	961	961	308	26	
74/ 73	.1	1.3	1.0	.8	.7	.7	.6	.5	.4	.4	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1014	1014	635	227	
72/ 71	.1	1.0	1.2	.9	.9	.9	.5	.6	.4	.4	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1006	1006	785	567	
70/ 69	.1	1.4	1.4	1.3	.7	.6	.6	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1092	1092	891	656	
68/ 67	.1	1.5	1.5	.9	.7	.5	.5	.5	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1018	1018	1173	768	
66/ 65	.3	1.9	1.4	.8	.7	.7	.5	.5	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1065	1066	1304	828	
64/ 63	.3	1.4	1.2	.9	.6	.6	.4	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	904	904	1376	982	
62/ 61	.2	1.2	.9	.8	.7	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	755	755	1162	1040	
60/ 59	.1	1.0	.9	1.0	.7	.5	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	713	714	1161	999	
58/ 57	.2	.9	1.2	.9	.6	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	687	687	1018	779	
56/ 55	.1	1.1	1.0	.8	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	622	622	1015	893	
54/ 53	.1	.8	1.0	.6	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	470	470	967	872	
52/ 51	.1	.8	.7	.5	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	408	408	819	919	
50/ 49	.1	.4	.4	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	257	257	681	855	
48/ 47	.0	.3	.3	.3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	171	171	497	783	
46/ 45	.0	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	116	116	380	734	
44/ 43	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	72	72	256	505	
42/ 41	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	35	35	181	509	
40/ 39	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	28	28	105	408	
38/ 37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12	12	61	394	
36/ 35	.1																															10	10	38	294	
34/ 33																																			13	246
32/ 31																																			4	208
30/ 29																																			1	115
Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No. Obs	Mean No. of Hours with Temperature						Total																								
Rel Hum						< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 1210 WS JUL 64 0 26 5 (Det 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-45,49-64
 YEARS

OCT
 MONTH

PAGE 2 ALL
 HOURS 51

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B / W B	Dry Bulb Wet Bulb Dew Point		
28/ 27																																				78
26/ 25																																				51
24/ 23																																				52
22/ 21																																				30
20/ 19																																				18
18/ 17																																				15
16/ 15																																				8
14/ 13																																				8
12/ 11																																				4
TOTAL	2.0	16.3	16.7	13.4	10.5	9.0	7.6	6.9	5.7	4.6	3.0	1.8	1.2	.6	.4	.1	.0																		14876	
																																				14874

FORM 1270 WS JUL 64 0 26-5 (Def 50) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σx^2	Σx	\bar{x}	s^2	No Obs	Mean No. of Hours with Temperature						Total
						< 0 F	< 32 F	< 67 F	< 73 F	80 F	93 F	
Rel Hum	68996008	962018	64.7	21.349	14875							
Dry Bulb	71222939	1017111	68.4	10.629	14876			427.5	271.7	117.6	2.4	744.0
Wet Bulb	54875410	894250	60.1	8.645	14874			3	191.8	49.3		
Dew Point	45719857	807073	54.2	11.392	14875			29.4	112.4	12.9		744.0

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-44, 40-64
 YEARS

NOV
 MONTH

PAGE 2 ALL
 HOURS T S F

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D B/W B	Dry Bulb	Wet Bulb	Dew Point				
24/ 23																																				5	5	19	243	
22/ 21																																				2	2	22	105	
20/ 19																																				1	1	4	147	
18/ 17																																								124
16/ 15																																								75
14/ 13																																								33
12/ 11																																								41
10/ 9																																								18
8/ 7																																								10
6/ 5																																								12
4/ 3																																								6
2/ 1																																								5
0/- 1																																								3
2/- 3																																								1
4/- 5																																								2
6/- 7																																								1
8/- 9																																								2
TOTAL	3.4	20.0	18.0	15.9	15.6	12.5	9.8	7.0	5.5	3.4	2.2	.9	.4	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	13676	13676	13676			

FORM 0-26 S (D) 501 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 1210 W/S JUL 64

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
						< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Rel. Hum.	64820821	897199	65.6	20.978	13676	0					
Dry Bulb	46085831	776499	56.7	12.097	13676	10.7	172.4	77.4	18.9		720.0
Wet Bulb	36187705	688105	50.3	10.700	13676	27.6	59.6	1.4			720.0
Dew Point	28875944	600948	43.9	13.437	13676	.5	151.4	26.1			720.0

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

PSYCHROMETRIC SUMMARY

13928
 STATION

WACO TEXAS/JAMES CONNALLY AFB
 STATION NAME

42-44,48-64
 YEARS

DEL
 MONTH

PAGE 2 ALL
 HOURS L S T

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB/WB	Dry Bulb	Wet Bulb	Dew Point		
18/ 17			.1	.0																															14	14	25	189
16/ 15			.0	.0																															8	8	12	123
14/ 13			.0																																3	3	9	89
12/ 11																																					2	63
10/ 9																																					49	
8/ 7																																					49	
6/ 5																																					44	
4/ 3																																					27	
2/ 1																																					5	
0/ -1																																					5	
-2/ -3																																					1	
TOTAL	7.4	27.4	22.1	15.5	10.0	6.8	4.6	3.1	1.7	.9	.4	.1	.0	.0																				14656	14656	14656		
																																			14656	14656		

Element (X)	ΣX	ΣX^2	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel Hum	77709419	1022393	69.8	20.044	14656							
Dry Bulb	37000733	716049	48.9	11.731	14656	56.8	60.9	17.8	1.4			744.0
Wet Bulb	29936103	644759	44.0	10.355	14656	93.8	10.7					744.0
Dew Point	23689177	560467	38.2	12.408	14656	.3	253.8	4.5				744.0

FORM 1210 WS JUL 64 0 26 5 (Det. 7) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,48-64

STATION	STATION NAME	YEARS												
HRS. (LST)		JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	43.2	47.8	52.9	61.0	68.9	75.7	78.8	79.1	72.8	62.9	52.2	45.1	62.0
	S D	11.877	10.415	9.903	8.102	6.029	4.337	3.644	4.265	5.803	8.095	10.261	10.008	15.151
	TOTAL OBS	1767	1611	1766	1710	1818	1799	1858	1859	1800	1829	1708	1859	21414
03-05	MEAN	41.5	45.9	50.7	58.8	66.6	73.2	76.1	76.1	70.4	60.5	50.2	43.3	59.7
	S D	12.301	10.610	10.369	8.601	6.260	3.993	2.932	3.713	5.825	8.463	10.755	10.407	14.993
	TOTAL OBS	1765	1611	1766	1710	1817	1800	1860	1858	1800	1860	1709	1859	21415
06-08	MEAN	40.7	45.1	50.5	59.7	68.5	75.5	78.1	77.5	71.3	60.9	49.9	42.5	60.3
	S D	12.594	10.690	10.449	8.610	6.433	4.764	3.667	4.319	6.267	8.618	10.920	10.659	15.994
	TOTAL OBS	1767	1610	1766	1709	1817	1799	1858	1860	1799	1860	1710	1860	21415
09-11	MEAN	46.0	51.2	57.9	67.5	76.2	83.4	86.8	86.9	80.7	70.8	58.0	48.9	68.2
	S D	12.796	11.069	10.538	8.193	6.889	5.493	4.862	5.247	7.098	8.418	10.709	10.589	16.984
	TOTAL OBS	1766	1611	1767	1710	1817	1799	1860	1860	1800	1859	1710	1859	21418
12-14	MEAN	53.1	58.0	64.6	73.4	81.6	88.8	92.5	93.0	86.5	77.4	64.9	56.1	74.5
	S D	13.906	12.250	11.230	8.881	7.376	5.854	5.381	5.791	7.407	8.668	11.337	11.485	16.883
	TOTAL OBS	1767	1609	1767	1709	1821	1799	1860	1858	1799	1859	1710	1859	21417
15-17	MEAN	54.6	59.9	66.8	75.0	83.0	89.9	93.9	94.3	87.5	78.0	65.5	57.1	75.8
	S D	13.917	12.414	11.297	9.013	7.617	6.372	5.944	6.515	7.566	8.657	11.225	11.371	16.864
	TOTAL OBS	1758	1611	1767	1710	1821	1799	1860	1860	1799	1860	1710	1826	21381
18-20	MEAN	49.2	54.8	61.7	70.0	78.1	85.3	89.0	89.0	81.4	70.7	58.8	50.9	70.3
	S D	12.357	10.891	10.440	8.387	7.183	6.299	6.251	6.538	7.254	8.223	10.081	9.889	16.606
	TOTAL OBS	1740	1609	1765	1710	1821	1797	1860	1860	1800	1859	1710	1767	21298
21-23	MEAN	45.4	50.4	56.4	64.5	72.4	79.2	82.6	82.8	75.8	65.7	54.7	47.2	65.1
	S D	11.857	10.152	9.779	7.850	6.259	4.928	4.617	5.037	6.246	8.044	9.953	9.595	15.516
	TOTAL OBS	1739	1611	1767	1709	1820	1797	1859	1857	1798	1860	1709	1767	21293
ALL HOURS	MEAN	46.7	51.6	57.7	66.2	74.4	81.4	84.7	84.9	78.3	68.4	56.7	48.9	66.9
	S D	13.615	12.222	12.014	10.284	8.945	8.007	7.964	8.414	9.188	10.629	12.097	11.731	17.163
	TOTAL OBS	14059	12883	14131	13677	14552	14389	14875	14872	14395	14876	13676	14656	171051

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13928 WACO TEXAS/JAMES CONNALLY AFB 42-45,48-64

STATION	STATION NAME	YEARS												
HRS (L S T)		JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	40.6	44.7	48.6	56.6	64.5	70.6	72.3	71.6	66.8	58.1	48.3	42.0	57.3
	S D	12.016	10.454	10.383	8.714	5.943	3.686	2.507	3.281	6.268	8.710	10.621	10.098	14.172
	TOTAL OBS	1763	1611	1745	1709	1818	1799	1858	1859	1800	1859	1708	1859	21388
03-05	MEAN	39.4	43.3	47.4	55.4	63.6	69.9	71.6	71.0	66.1	57.0	47.0	40.7	56.3
	S D	12.487	10.714	10.917	9.285	6.325	3.819	2.526	3.325	6.622	9.214	11.150	10.476	14.589
	TOTAL OBS	1759	1608	1745	1709	1817	1799	1858	1858	1800	1860	1709	1859	21381
06-08	MEAN	38.7	42.7	47.2	56.0	64.6	71.0	72.8	71.9	66.7	57.2	46.8	40.1	56.6
	S D	12.684	10.790	10.960	9.201	6.359	3.944	2.582	3.398	6.752	9.346	11.303	10.761	15.204
	TOTAL OBS	1760	1606	1748	1709	1817	1799	1858	1860	1799	1858	1710	1860	21384
09-11	MEAN	42.1	46.3	51.2	59.6	67.4	73.2	74.7	74.2	70.0	61.7	51.1	44.1	59.9
	S D	12.197	10.277	10.191	8.217	5.795	3.481	2.300	2.700	5.881	8.193	10.438	10.116	14.309
	TOTAL OBS	1760	1610	1748	1710	1817	1799	1860	1859	1800	1859	1710	1859	21391
12-14	MEAN	46.1	49.8	54.1	61.7	68.7	74.0	75.2	74.7	70.8	63.6	54.1	48.0	62.0
	S D	11.813	9.995	9.603	7.784	5.497	3.406	2.299	2.664	5.371	7.449	9.782	9.734	13.042
	TOTAL OBS	1761	1608	1751	1709	1821	1799	1859	1858	1799	1859	1710	1859	21293
15-17	MEAN	46.7	50.7	54.8	62.1	68.9	73.9	74.9	74.2	70.4	63.3	54.2	48.4	62.1
	S D	11.437	9.694	9.284	7.515	5.336	3.292	2.357	2.651	5.141	7.191	9.478	9.384	12.587
	TOTAL OBS	1753	1611	1752	1710	1821	1799	1859	1858	1799	1860	1710	1826	21358
18-20	MEAN	44.0	48.4	52.8	60.4	67.6	72.9	73.9	73.1	68.8	61.0	51.5	45.5	60.3
	S D	11.323	9.578	9.410	7.738	5.369	3.396	2.398	2.864	5.424	7.695	9.697	9.252	13.131
	TOTAL OBS	1735	1610	1747	1710	1820	1797	1860	1860	1800	1859	1710	1767	21275
21-23	MEAN	41.9	46.2	50.4	58.2	65.9	71.6	72.9	72.1	67.5	59.1	49.5	43.3	58.5
	S D	11.651	9.858	9.836	8.178	5.621	3.501	2.477	3.193	5.959	8.251	10.172	9.461	13.676
	TOTAL OBS	1737	1611	1749	1709	1820	1797	1859	1858	1797	1860	1709	1767	21273
ALL HOURS	MEAN	42.4	46.5	50.8	58.8	66.4	72.1	73.5	72.8	68.4	60.1	50.3	44.0	59.1
	S D	12.277	10.537	10.457	8.698	6.090	3.852	2.734	3.292	6.198	8.645	10.700	10.355	14.030
	TOTAL OBS	14028	12875	13985	13675	14551	14388	14871	14870	14394	14874	13676	14656	170843

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

13928 WACC TEXAS/JAMES CONNALLY AFB 42-45,48-64

STATION	STATION NAME												YEARS	
HRS (LST)	JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV.	DEC	ANNUAL	
00-02	MEAN	36.6	41.0	43.9	53.0	62.1	68.4	69.4	68.2	63.5	54.4	44.0	38.0	53.8
	S D	14.362	12.402	13.220	11.039	6.956	4.303	3.621	4.599	8.285	11.041	13.116	12.146	15.790
	TOTAL OBS	1763	1611	1745	1709	1318	1799	1858	1859	1800	1859	1708	1859	21388
03-05	MEAN	35.9	40.1	43.5	52.5	61.9	68.4	69.7	68.7	63.6	54.1	43.4	37.1	53.5
	S D	14.670	12.460	13.401	11.430	7.102	4.297	3.383	4.254	8.340	11.254	13.394	12.355	16.175
	TOTAL OBS	1757	1608	1745	1709	1818	1799	1857	1858	1800	1860	1709	1859	21379
06-08	MEAN	35.4	39.5	43.3	52.8	62.4	69.1	70.5	69.4	64.2	54.2	43.1	36.5	53.7
	S D	14.680	12.523	13.531	11.336	7.295	4.331	3.264	4.146	8.348	11.796	13.647	12.608	16.665
	TOTAL OBS	1760	1606	1748	1709	1817	1799	1858	1860	1799	1859	1710	1860	21385
09-11	MEAN	36.8	40.9	44.4	53.6	62.7	68.8	69.7	68.9	64.6	55.5	44.3	38.2	54.3
	S D	14.626	12.597	13.762	11.808	7.627	4.275	3.504	4.002	8.104	11.627	13.923	12.687	16.151
	TOTAL OBS	1760	1610	1748	1710	1818	1799	1860	1859	1800	1859	1710	1859	21392
12-14	MEAN	38.0	41.6	44.5	53.5	62.0	67.6	67.9	66.8	62.9	54.3	44.3	39.3	53.8
	S D	14.615	12.775	13.789	11.973	7.883	4.635	4.037	4.451	8.265	11.678	13.770	12.867	15.478
	TOTAL OBS	1761	1608	1751	1709	1821	1799	1859	1858	1799	1859	1710	1859	21393
15-17	MEAN	37.8	41.6	44.0	53.1	61.5	66.9	66.7	65.3	61.6	53.3	44.0	39.2	53.2
	S D	14.412	12.694	13.951	11.981	7.927	4.672	4.519	4.924	8.356	11.650	13.615	12.626	15.180
	TOTAL OBS	1753	1611	1752	1710	1821	1799	1859	1858	1800	1860	1710	1826	21359
18-20	MEAN	37.6	41.7	44.3	53.4	62.1	67.4	67.3	65.9	62.2	54.0	44.4	39.2	53.6
	S D	13.970	12.245	13.410	11.485	7.199	4.604	4.515	5.124	8.234	11.247	12.951	11.891	15.023
	TOTAL OBS	1735	1610	1747	1710	1820	1797	1860	1860	1800	1859	1710	1767	21275
21-23	MEAN	37.1	41.4	44.3	53.5	62.4	68.3	68.6	67.3	62.9	54.1	44.2	38.5	53.9
	S D	14.120	12.064	13.134	10.927	6.803	4.250	4.015	4.979	8.277	11.032	13.020	11.717	15.385
	TOTAL OBS	1737	1611	1749	1709	1820	1797	1859	1858	1797	1860	1709	1767	21273
ALL HOURS	MEAN	36.9	41.0	44.0	53.2	62.1	68.1	68.7	67.5	63.2	54.2	43.9	38.2	53.7
	S D	14.458	12.490	13.531	11.506	7.366	4.478	4.074	4.769	8.325	11.392	13.437	12.408	15.740
	TOTAL OBS	14026	12875	13985	13675	14553	14388	14870	14870	14395	14875	13676	14656	170844

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,48-64

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	ALL	100.0	99.5	96.8	90.8	82.5	70.7	55.7	40.0	22.2	71.6	14026	
FEB		100.0	99.1	95.6	88.9	80.2	69.1	55.8	39.1	20.6	70.6	12875	
MAR		100.0	97.9	91.6	82.5	71.6	58.3	44.3	29.0	12.9	64.4	13985	
APR		100.0	98.8	93.9	86.5	75.4	62.1	48.0	31.7	12.4	66.5	13675	
MAY		100.0	99.8	98.0	92.7	80.4	65.3	49.4	31.7	10.1	68.3	14551	
JUN		100.0	100.0	99.3	92.7	77.2	61.9	45.9	28.3	7.1	66.8	14388	
JUL		100.0	100.0	97.0	84.0	68.1	53.0	36.8	20.6	5.0	62.0	14870	
AUG		100.0	99.8	95.2	79.6	63.6	48.6	32.6	17.4	4.7	59.7	14870	
SEP		100.0	99.5	94.9	84.2	69.5	55.4	40.9	25.4	8.4	63.5	14394	
OCT		100.0	98.5	93.1	83.7	71.5	58.6	45.0	29.1	10.7	64.7	14875	
NOV		100.0	99.3	94.7	85.4	73.2	59.3	44.9	29.8	13.1	65.6	13676	
DEC		100.0	99.7	96.8	90.4	80.6	67.7	51.6	35.6	18.6	69.8	14656	
TOTALS		100.0	99.3	95.6	86.8	74.4	60.7	45.7	29.0	12.0	66.1	170841	

DATA PROCESSING DIVISION
 ETAC, USAF
 ASHEVILLE, N.C. 28801

RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.9	98.6	94.3	83.8	69.7	51.7	28.8	78.5	1763
	03-05	100.0	100.0	99.9	99.3	96.6	88.8	76.1	58.4	35.4	81.2	1757
	06-08	100.0	100.0	100.0	99.6	97.6	91.4	76.6	60.7	34.5	82.0	1760
	09-11	100.0	100.0	99.1	94.0	85.3	71.8	55.2	38.2	21.0	72.2	1760
	12-14	99.9	98.8	90.7	77.8	63.1	48.7	32.8	21.6	12.1	60.3	1761
	15-17	99.9	97.5	87.6	71.8	56.8	43.2	29.7	19.4	11.2	57.3	1753
	18-20	100.0	99.9	97.4	88.9	76.9	61.1	44.4	28.8	14.8	66.9	1735
	21-23	100.0	100.0	99.9	96.5	89.1	76.5	60.9	40.9	19.8	74.1	1737
TOTALS		100.0	99.5	96.8	90.8	82.5	70.7	55.7	40.0	22.2	71.6	14026

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RELATIVE HUMIDITY

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WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	99.9	99.4	98.2	93.7	86.0	72.3	51.5	28.2	78.7	1611
	03-05	100.0	99.9	99.8	98.6	96.0	88.7	78.0	60.0	33.8	81.5	1608
	06-08	100.0	100.0	99.8	98.8	95.5	89.2	78.9	62.2	35.6	82.0	1606
	09-11	100.0	99.6	97.5	91.2	82.3	69.7	54.3	36.8	18.0	70.7	1610
	12-14	100.0	97.8	88.7	75.8	61.1	45.4	33.5	20.3	9.4	58.7	1608
	15-17	99.9	96.5	85.3	68.7	54.4	40.8	28.9	16.9	8.1	55.4	1611
	18-20	100.0	99.1	95.3	84.7	71.3	57.2	42.0	27.0	12.4	64.5	1610
	21-23	100.0	99.8	98.8	95.5	87.2	75.5	58.2	38.1	19.1	73.0	1611
TOTALS		100.0	99.1	95.6	88.9	80.2	69.1	55.8	39.1	20.6	70.6	12875

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RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	98.7	95.8	88.0	75.6	59.5	39.5	15.7	73.0	1745
	03-05	100.0	99.9	99.3	98.1	93.4	82.8	69.5	50.7	25.0	77.6	1745
	06-08	100.0	100.0	99.4	97.1	92.5	82.4	70.4	52.3	26.0	77.8	1748
	09-11	100.0	99.5	94.6	83.8	71.0	57.2	42.3	25.9	9.3	63.8	1748
	12-14	99.9	94.7	82.1	64.9	50.3	36.0	21.6	11.9	4.6	52.3	1751
	15-17	99.8	91.4	74.5	57.6	42.4	27.6	17.9	10.6	4.9	48.3	1752
	18-20	99.9	98.1	87.1	73.7	58.3	42.6	28.2	16.4	7.2	56.6	1747
	21-23	100.0	99.7	97.1	89.3	77.0	62.4	45.4	25.2	10.4	66.3	1749
TOTALS		100.0	97.9	91.6	82.5	71.6	58.3	44.3	29.0	12.9	64.4	13985

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RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

43-45,49-64

APR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.7	97.7	91.7	82.1	70.1	48.2	17.8	76.3	1709
	03-05	100.0	99.9	99.4	98.6	95.4	88.1	79.2	61.3	26.3	80.6	1709
	06-08	100.0	100.0	99.6	98.2	93.9	86.9	76.2	58.0	22.9	79.2	1709
	09-11	100.0	99.4	94.9	86.6	75.1	59.1	39.9	20.6	6.7	63.7	1710
	12-14	100.0	97.0	85.7	71.1	52.5	34.9	21.0	9.2	4.1	53.2	1709
	15-17	100.0	95.4	81.1	64.9	46.3	29.8	17.2	8.8	4.0	50.4	1710
	18-20	100.0	98.7	92.2	80.2	64.4	45.0	30.1	16.8	6.4	58.9	1710
	21-23	100.0	99.9	98.7	94.7	84.1	70.6	50.2	30.4	11.1	69.5	1709
TOTALS		100.0	98.8	93.9	86.5	75.4	62.1	48.0	31.7	12.4	66.5	13675

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RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	99.0	93.6	80.4	51.5	15.3	79.6	1818
	03-05	100.0	100.0	100.0	100.0	99.5	98.4	93.5	74.6	26.0	85.0	1817
	06-08	100.0	100.0	100.0	99.7	98.5	95.6	86.9	60.7	17.3	81.5	1817
	09-11	100.0	99.9	98.6	94.4	84.9	62.5	32.6	12.5	4.1	64.5	1817
	12-14	100.0	99.4	94.7	82.0	54.0	27.5	13.1	6.9	2.2	53.5	1821
	15-17	100.0	98.9	92.9	74.3	42.4	21.7	12.6	7.6	3.3	50.8	1821
	18-20	100.0	99.8	98.1	91.4	69.8	43.0	24.0	12.7	4.6	59.9	1820
	21-23	100.0	100.0	100.0	99.7	95.2	80.6	51.9	26.9	8.4	71.8	1820
TOTALS		100.0	99.8	98.0	92.7	80.4	65.3	49.4	31.7	10.1	68.3	14551

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RELATIVE HUMIDITY

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WACO TEXAS/JAMES CONNALLY AFB

42-45, 49-64

JUN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	99.9	99.8	99.1	94.9	80.2	47.2	8.8	78.7	1799
	03-05	100.0	100.0	99.9	99.8	99.8	99.1	94.6	77.6	23.2	85.2	1799
	06-08	100.0	100.0	100.0	100.0	99.6	96.7	87.8	57.6	12.9	81.1	1799
	09-11	100.0	100.0	99.8	97.9	86.3	57.1	23.6	7.6	2.1	62.8	1799
	12-14	100.0	100.0	98.5	84.3	43.1	17.7	7.4	3.4	1.3	51.1	1799
	15-17	100.0	100.0	97.1	70.8	31.4	15.3	8.4	4.7	1.3	48.5	1799
	18-20	100.0	100.0	99.0	89.4	62.6	36.1	17.0	7.8	2.1	57.0	1797
	21-23	100.0	100.0	100.0	99.7	95.7	78.1	48.5	20.2	5.0	70.3	1797
TOTALS		100.0	100.0	99.3	92.1	77.2	61.9	45.9	28.3	7.1	66.8	14388

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RELATIVE HUMIDITY

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WACO TEXAS/JAMES CONNALLY AFB

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JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	99.7	96.6	84.9	62.7	33.1	6.7	74.0	1858
	03-05	100.0	100.0	100.0	100.0	99.6	96.0	83.7	57.5	16.4	81.1	1857
	06-08	100.0	100.0	100.0	99.9	99.0	93.5	75.8	44.2	10.4	78.1	1858
	09-11	100.0	100.0	99.4	93.7	72.0	40.4	15.3	5.1	1.3	58.2	1860
	12-14	100.0	99.9	94.7	65.1	28.6	11.3	5.2	2.5	.7	46.3	1859
	15-17	100.0	99.8	87.2	46.7	21.7	1.4	5.3	2.0	.3	43.0	1859
	18-20	100.0	100.0	94.7	70.9	45.1	26.3	12.8	5.8	1.3	51.2	1860
	21-23	100.0	100.0	99.9	95.9	82.0	60.5	33.4	14.5	3.0	64.4	1859
TOTALS		100.0	100.0	97.0	84.0	68.1	53.0	36.8	20.6	5.0	62.0	14870

DATA PROCESSING DIVISION
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RELATIVE HUMIDITY

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WACO TEXAS/JAMES CONNALLY AFB

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AUG

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	99.9	99.9	99.6	93.4	77.2	50.7	24.2	6.0	70.6	1859
	03-05	100.0	100.0	100.0	99.9	99.3	92.8	76.3	46.5	13.0	78.4	1858
	06-08	100.0	100.0	100.0	99.9	98.6	90.5	73.1	41.1	11.2	77.1	1860
	09-11	100.0	100.0	99.4	91.1	66.5	35.4	13.0	5.2	1.5	56.7	1859
	12-14	100.0	99.8	91.0	54.1	22.5	9.2	4.3	2.2	.5	44.0	1858
	15-17	100.0	99.1	79.9	35.7	17.0	10.1	5.4	2.9	.9	40.7	1858
	18-20	100.0	99.8	91.3	63.9	37.7	22.8	11.1	5.0	1.3	48.9	1860
	21-23	100.0	100.0	99.8	92.5	73.7	50.6	26.5	12.2	3.1	61.4	1858
TOTALS		100.0	99.8	95.2	79.6	63.6	48.6	32.6	17.4	4.7	59.7	14870

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RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

SEP

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	99.4	97.9	91.9	80.8	64.7	38.6	11.4	74.1	1800
	03-05	100.0	100.0	99.8	98.9	96.7	90.4	78.9	57.7	20.8	80.1	1800
	06-08	100.0	100.0	99.8	99.1	96.2	89.1	76.6	55.7	18.3	79.2	1799
	09-11	100.0	99.7	98.0	88.2	72.4	48.9	26.2	12.7	2.8	60.2	1800
	12-14	100.0	98.8	88.1	65.7	36.6	18.2	9.4	4.6	1.6	47.9	1799
	15-17	100.0	98.2	81.8	53.3	28.4	15.7	9.5	4.9	1.8	44.8	1799
	18-20	100.0	99.6	93.2	77.6	56.1	35.4	19.8	10.2	3.6	55.1	1800
	21-23	100.0	99.9	98.9	93.3	81.3	64.4	41.6	21.1	6.7	66.3	1797
TOTALS		100.0	99.5	94.9	84.2	69.9	55.4	40.9	25.4	8.4	63.5	14394

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RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-45,49-64

OCT

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	99.9	96.4	90.3	82.1	67.3	43.8	14.6	75.2	1859
	03-05	100.0	100.0	99.8	98.6	94.7	89.4	79.6	59.4	24.9	80.5	1860
	06-08	99.9	99.9	99.6	98.2	94.4	87.9	77.0	58.3	23.2	79.8	1859
	09-11	100.0	99.1	94.6	84.4	70.4	52.4	34.4	17.0	4.1	61.1	1859
	12-14	100.0	95.5	82.5	63.5	40.6	23.3	12.6	5.7	2.6	48.1	1859
	15-17	100.0	94.0	77.9	55.6	34.3	20.3	12.1	6.9	2.9	46.0	1860
	18-20	100.0	99.2	92.1	80.9	64.4	45.2	27.8	14.7	4.8	58.5	1859
	21-23	100.0	100.0	98.3	92.0	82.8	68.4	49.4	27.4	8.1	68.2	1860
TOTALS		100.0	98.5	93.1	83.7	71.5	58.6	45.0	29.1	10.7	64.7	14875

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RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44,49-64

NOV

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.8	98.0	90.6	79.7	63.7	42.7	16.6	74.7	1708
	03-05	100.0	100.0	99.9	98.7	93.9	84.8	71.2	52.5	26.2	78.5	1709
	06-08	100.0	100.0	99.8	98.8	94.2	85.2	71.5	52.7	25.4	78.5	1710
	09-11	100.0	99.8	96.5	85.1	70.0	52.1	37.4	22.3	8.7	62.9	1710
	12-14	100.0	98.0	83.2	63.6	45.1	29.1	16.8	10.6	5.1	50.7	1710
	15-17	99.9	97.0	61.5	59.5	41.5	26.4	16.4	10.2	5.0	49.3	1710
	18-20	100.0	99.9	97.3	85.1	66.4	48.7	32.4	18.1	6.8	61.1	1710
	21-23	100.0	100.0	99.6	94.5	83.8	68.4	49.8	29.4	11.0	69.2	1709
TOTALS		100.0	99.3	94.7	85.4	73.2	59.3	44.9	29.8	13.1	65.6	13676

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RELATIVE HUMIDITY

13928

WACO TEXAS/JAMES CONNALLY AFB

42-44, 48-64

DEC

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.8	98.5	94.8	85.4	66.8	46.5	24.7	77.3	1859
	03-05	100.0	99.9	99.7	99.0	96.4	89.6	73.6	52.8	30.4	79.8	1859
	06-08	100.0	99.8	99.7	99.1	97.2	89.8	73.8	54.7	30.8	80.3	1860
	09-11	100.0	99.7	98.5	93.1	81.8	65.3	47.3	31.7	16.2	69.0	1859
	12-14	100.0	99.3	90.2	74.0	55.2	40.2	26.8	17.0	8.6	56.7	1859
	15-17	100.0	98.7	88.3	70.1	52.0	36.9	25.4	16.5	7.7	55.0	1826
	18-20	100.0	99.8	98.8	92.2	77.1	58.8	42.6	27.1	12.1	66.5	1767
	21-23	100.0	100.0	99.9	97.5	90.0	75.0	55.8	37.9	17.9	73.2	1767
TOTALS		100.0	99.7	96.8	90.4	80.6	67.7	51.6	35.6	18.6	69.8	14656

DATA PROCESSING DIVISION
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ASHEVILLE, NORTH CAROLINA

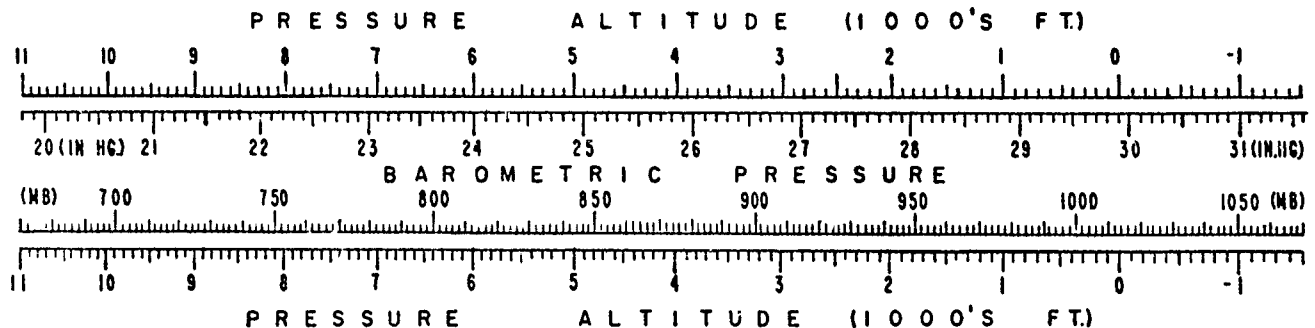
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

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



DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

13928 WACO TEXAS/JAMES CONNALLY AFB 48-63

STATION	STATION NAME												YEARS	
HRS (L S T)	JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP.	OCT	NOV	DEC.	ANNUAL	
00	MEAN S D TOTAL OBS	29.627 .205 465	29.555 .201 423	29.490 .204 464	29.449 .176 450	29.434 .124 465	29.417 .087 450	29.467 .069 465	29.456 .069 465	29.466 .098 450	29.534 .136 464	29.597 .199 446	29.626 .198 496	29.510 .173 5503
03	MEAN S D TOTAL OBS	29.623 .205 465	29.547 .202 423	29.481 .204 465	29.440 .174 450	29.425 .123 465	29.415 .088 450	29.467 .068 465	29.459 .068 465	29.464 .099 449	29.510 .484 465	29.591 .202 445	29.621 .201 496	29.504 .219 5503
06	MEAN S D TOTAL OBS	29.626 .207 465	29.556 .203 423	29.500 .207 465	29.460 .175 450	29.448 .122 465	29.438 .089 450	29.489 .070 465	29.479 .070 465	29.485 .103 450	29.550 .141 465	29.603 .205 446	29.623 .202 496	29.522 .172 5505
09	MEAN S D TOTAL OBS	29.667 .211 465	29.597 .206 423	29.539 .213 465	29.497 .182 450	29.479 .124 465	29.464 .090 449	29.517 .071 465	29.508 .071 465	29.517 .107 450	29.588 .143 465	29.644 .207 446	29.663 .208 496	29.557 .177 5504
12	MEAN S D TOTAL OBS	29.652 .211 465	29.587 .207 423	29.521 .213 465	29.479 .182 450	29.459 .122 465	29.445 .089 450	29.496 .071 465	29.483 .071 465	29.496 .109 450	29.561 .140 465	29.618 .206 446	29.639 .208 496	29.537 .176 5505
15	MEAN S D TOTAL OBS	29.589 .207 465	29.518 .204 423	29.451 .211 465	29.419 .180 450	29.410 .121 465	29.397 .088 450	29.441 .072 465	29.422 .071 465	29.431 .106 450	29.497 .139 465	29.557 .202 445	29.579 .206 496	29.476 .173 5504
18	MEAN S D TOTAL OBS	29.597 .204 456	29.514 .202 423	29.434 .208 465	29.396 .181 450	29.377 .120 465	29.363 .090 450	29.407 .072 465	29.394 .073 465	29.416 .102 450	29.494 .138 465	29.563 .200 446	29.590 .202 465	29.462 .178 5465
21	MEAN S D TOTAL OBS	29.621 .205 456	29.541 .201 423	29.467 .206 465	29.428 .178 450	29.406 .120 465	29.389 .090 449	29.433 .071 465	29.426 .073 465	29.453 .101 450	29.525 .138 465	29.592 .199 446	29.617 .199 465	29.491 .176 5464
ALL HOURS	MEAN S D TOTAL OBS	29.625 .208 3702	29.552 .205 3384	29.485 .211 3719	29.446 .181 3600	29.430 .126 3720	29.416 .094 3598	29.465 .078 3720	29.453 .079 3720	29.466 .108 3599	29.532 .217 3719	29.596 .204 3566	29.620 .204 3906	29.507 .183 43953

DATA PROCESSING DIVISION
ETAC, USAF
ASHEVILLE, N. C. 28801

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

13928

WACO TEXAS/JAMES CONNALLY AFB

48-63

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	1020.9	1018.3	1016.0	1014.3	1013.6	1012.9	1014.5	1014.2	1014.6	1017.2	1019.5	1020.8	1016.4
	S D	7.232	7.092	7.139	6.157	4.305	3.003	2.444	2.440	3.445	4.795	7.047	6.972	6.149
	TOTAL OBS	465	423	463	449	465	450	465	465	450	464	450	496	5505
03	MEAN	1020.7	1018.0	1015.6	1014.0	1013.3	1012.8	1014.6	1014.2	1014.6	1017.1	1019.4	1020.5	1016.3
	S D	7.258	7.112	7.142	6.113	4.286	3.043	2.409	2.405	3.459	4.880	7.118	7.058	6.152
	TOTAL OBS	465	423	464	450	465	450	465	465	450	465	449	495	5506
06	MEAN	1020.8	1018.3	1016.2	1014.7	1014.2	1013.7	1015.4	1015.0	1015.3	1017.8	1019.9	1020.7	1016.8
	S D	7.469	7.169	7.309	6.143	4.253	3.074	2.455	2.436	3.581	4.970	7.222	7.152	6.135
	TOTAL OBS	465	423	465	450	465	450	465	465	450	465	450	496	5509
09	MEAN	1022.3	1019.8	1017.6	1016.0	1015.2	1014.5	1016.3	1016.0	1016.4	1019.1	1021.3	1022.1	1019.1
	S D	7.456	7.232	7.473	6.381	4.314	3.133	2.463	2.468	3.722	5.051	7.290	7.294	6.287
	TOTAL OBS	465	423	465	450	465	449	465	465	450	465	450	496	5508
12	MEAN	1021.7	1019.4	1017.0	1015.4	1014.5	1013.9	1015.5	1015.1	1015.6	1018.1	1020.3	1021.2	1017.3
	S D	7.448	7.279	7.503	6.315	4.244	3.098	2.509	2.502	3.787	4.949	7.240	7.328	6.275
	TOTAL OBS	465	423	465	449	465	450	465	465	450	465	450	496	5508
15	MEAN	1019.5	1016.9	1014.6	1013.2	1012.8	1012.2	1013.6	1013.0	1013.4	1015.9	1018.2	1019.1	1015.2
	S D	7.293	7.183	7.395	6.304	4.226	3.062	2.563	2.514	3.681	4.890	7.087	7.232	6.161
	TOTAL OBS	465	423	464	450	465	450	465	465	450	465	448	496	5506
18	MEAN	1019.9	1016.9	1014.0	1012.4	1011.7	1011.1	1012.5	1012.0	1013.0	1015.8	1018.5	1019.6	1014.8
	S D	7.223	7.082	7.278	6.268	4.195	3.129	2.546	2.535	3.553	4.894	7.041	7.089	6.339
	TOTAL OBS	456	423	464	450	465	450	465	465	450	465	450	465	5468
21	MEAN	1020.7	1017.8	1015.2	1013.6	1012.7	1012.0	1013.4	1013.1	1014.2	1016.9	1019.5	1020.5	1015.8
	S D	7.243	7.051	7.224	6.225	4.186	3.107	2.517	2.544	3.514	4.867	7.026	6.995	6.296
	TOTAL OBS	456	423	464	450	465	449	465	465	450	465	450	465	5467
ALL HOURS	MEAN	1020.8	1018.2	1015.8	1014.2	1013.5	1012.9	1014.5	1014.1	1014.6	1017.2	1019.6	1020.6	1016.3
	S D	7.369	7.206	7.387	6.326	4.375	3.254	2.751	2.759	3.745	5.015	7.185	7.188	6.306
	TOTAL OBS	3702	3384	3714	3598	3720	3598	3720	3720	3600	3719	3597	3905	44977