

AD-A128 120 BOSCOMBE DOWN UNITED KINGDOM REVISED UNIFORM SUMMARY OF
SURFACE WEATHER O.(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. MAR 83
UNCLASSIFIED USAFETAC/DS-83/006 SBI-AD-E850 370 F/G 4/2

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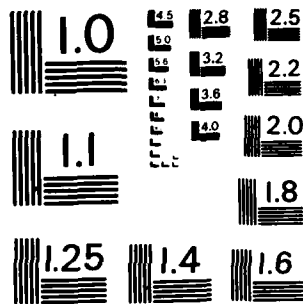
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USAFETAC/DS-83/006 SBI-AD-E850 370

F/G 4/2

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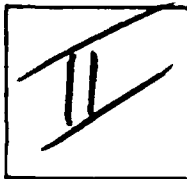
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PHOTOGRAPH THIS SHEET

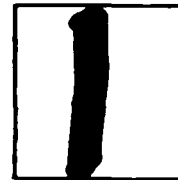
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USAFETAC
Air Weather Service (MAC)

SCOTT AFB, IL 61928

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

BOSCOMBE DOWN UK MSC # 037460
N 51 10 W001 45 ELEV: 407 FT EGDM
PARTS A-F HOURS SUMMARIZED: 0000Z-2300Z
PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 73- DEC 82
SUMMARY OF DAY DATA: NONE AVAILABLE
TIME CONVERSION GMT TO LST 0

28 MAR 1983

23 MAR 1983

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FEDERAL BUILDING
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REVIEW AND APPROVAL STATEMENT

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 SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS 83/006	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- BOSCOMBE DOWN, UNITED KINGDOM		5. TYPE OF REPORT & PERIOD COVERED Final rept															
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18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)																	
<table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	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)
*RUSSWO	Daily temperatures	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 BOSCOMBE DOWN, UNITED KINGDOM 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 (over)																	

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

*UNITED KINGDOM

*BOSCOMBE DOWN

*

20. 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 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 occurring tables.

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

The lack of the Summary of the Day (SOD) data limits the summaries contained in this RUSSWO. The Daily Summaries for the cumulative Percentage Frequencies for Maximum, Minimum and Mean Temperatures and the extreme maximums and minimum temperatures are included. These summaries were prepared by using the hourly temperature values and a specifically designed computer program to calculate these tables. Although these data are extremely close and very reliable, they may not exactly agree with other published data. Hourly wind data are available, however, the peak winds (SOD) data are not included.

U.S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

Each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the method of presentation. Calculations are prepared from hourly and daily observations recorded by stations operated by the U. S. Air Force and other stations using similar reporting practices.

Part A observations noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

PART B PRECIPITATION DATA NOT AVAILABLE

SNOWFALL DATA NOT AVAILABLE

SNOW DEPTH DATA NOT AVAILABLE

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE DATA NOT AVAILABLE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT)		CALL SIGN		WMO NUMBER	
037460		BOSCOMBE DOWN UK		51 10 N		001 45 W		403		EGDM			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	HT BARD.					
1	Boscombe Down UK	BMO	UNK	DEC 82	51 10 N	001 45 W	403	UNK	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
		UNKN											

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

STATION	STATION NAME	YEARS	MONTH
1450	BOSCOMBE DOWN UK	73-82	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS WET	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 FAST TURBULENCE	TOTAL NO. OF OBS
JAN	00-02	.1	14.9	.3	2.2		16.1	15.1	12.1			27.2	882
	03-05		14.9	.2	2.1		16.5	15.2	8.3			23.6	887
	06-08	.1	15.5	.3	2.7		18.2	14.4	7.2	.1		21.7	884
	09-11		15.7		3.0		17.5	13.3	8.6			21.9	88
	12-14		17.6	.1	2.6		19.7	7.4	10.8			15.3	875
	15-17		15.2		2.4	.1	16.6	5.7	12.6			18.5	883
	18-20		16.2	.1	1.5	.1	17.2	9.1	14.5	.2		24.2	885
	21-23		15.2	.2	1.8		17.6	12.6	14.6	.1		27.5	884
TOTALS	.0		15.9	.2	2.3	.1	17.5	11.6	11.1	.1		22.9	7760

4-10 010000Z JUL 64 JF
ZNY

73-57

FILE
MCM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AD WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION NAME LOSCOMBE DOWN UK

73-82

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
4AP	00-02		18.4		2.0		19.5	8.3	19.0			27.3	909
	03-05		20.9		2.8		22.4	13.0	17.7			30.7	906
	06-08		20.6		3.7	.1	23.0	14.6	15.4			29.9	912
	09-11		20.9		3.5		23.1	2.8	15.0			17.8	916
	12-14		19.9		2.0		21.2	.2	13.5			13.7	906
	15-17	.1	22.6		1.6		24.0		12.0			12.0	917
	18-20	.1	19.8		2.0	.1	20.9	1.2	16.0			17.2	920
	21-23		16.4		2.0	.1	17.8	3.6	18.2			21.8	912
TOTALS		.0	19.9		2.5	.0	21.5	5.5	15.9			21.3	7281

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/HAC

WEATHER CONDITIONS

STATION 20SCOMBE DOWN UK

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH VIS TO VISION	TOTAL NO. OF OBS
APR	00-02		9.7		.8		10.2	7.2	17.8			25.0	983
	03-05		9.7		.8		10.3	12.3	21.4			33.7	978
	06-08		12.7		.9	.1	13.5	8.0	25.3			33.3	882
	09-11		13.6		.5	.1	13.7	1.5	17.6			19.1	884
	12-14	.1	11.5		.1	.1	11.6	.1	10.6			10.7	870
	15-17		10.4		.3	.1	10.9		7.3			7.3	881
	18-20	.1	9.2		.6		9.6	.2	14.5			14.7	884
	21-23	.1	9.8		.5		10.3	3.0	18.8			21.9	886
TOTALS		.0	10.8		.6	.1	11.3	4.0	16.7			20.7	7048

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

12460
STATION

BOSCOMBE DOWN UK

73-82

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.2	12.3				12.3	9.9	12.6			22.5	916
	03-05	.1	11.6				11.6	19.0	15.1			34.1	921
	06-08	.3	13.3				13.3	8.3	17.8			26.1	909
	09-11	.1	13.3				13.3	.1	12.1			12.2	910
	12-14		11.9		.3	.1	12.1		6.3			6.3	898
	15-17	.4	11.8			.1	11.9		4.8			4.8	916
	18-20	.6	12.1		.2		12.1	1.1	6.5			7.6	904
	21-23	.2	11.2				11.2	3.9	13.2			17.1	918
TOTALS		.2	12.2		.1	.0	12.2	5.3	11.1			16.3	7292

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

17467

BOSCOMBE DOWN UK

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.9	9.3				9.3	11.0	13.2			24.2	673
	03-05	.3	10.9				10.9	19.3	14.5			33.8	875
	06-08	.2	12.1				12.1	7.8	15.9			23.7	868
	09-11		11.9				11.9	.3	8.9			9.2	869
	12-14	.5	8.6				8.6	.3	5.0			5.3	863
	15-17	.2	9.3				9.3		5.7			5.7	873
	18-20	.9	9.1			.1	9.2		5.0			5.0	878
	21-23	.6	9.5				9.5	3.8	11.2			15.0	873
TOTALS		.5	10.1				.0	10.1	5.3	9.9		15.2	6971



WEATHER CONDITIONS

37462
STATION

BOSCOMBE DOWN UK

73-82

JUL

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
JUL	00-02	.4	8.7				8.7	8.8	11.6			20.4	596
	03-05	.9	9.9				9.9	14.2	13.5			27.7	903
	06-08	.3	11.6				11.6	4.4	14.3			18.7	881
	09-11	.2	9.8				9.8	.6	6.6			7.1	899
	12-14	.1	8.3				8.3		3.3			3.3	871
	15-17	.8	7.4				7.4		1.7			1.7	901
	18-20	.3	6.7				6.7		3.8			3.8	885
	21-23	.4	3.3				8.3	1.6	12.3			13.9	893
TOTALS		.4	8.8				8.8	3.7	8.4			12.1	7129

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/MAC

237450

505COMBE DOWN UK

73-82

AUC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST.	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	.6	11.6				11.6	12.2	18.1			30.3	877
	03-05	.3	12.7				12.7	26.4	14.5			40.9	903
	06-08	.3	12.5				12.5	16.9	17.0			33.8	878
	09-11	.2	9.0				9.0	.8	14.1			14.9	901
	12-14	.2	9.0				9.0		7.7		.1	7.8	893
	15-17	.6	9.6				9.6		7.8			7.8	886
	18-20	1.0	11.4				11.4	.1	11.1			11.2	881
	21-23	.7	10.6				10.6	4.0	20.2			24.2	893
TOTALS		.5	10.8				10.8	7.6	13.8		.0	21.4	7112



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

37460 BOSCOMBE DOWN UK

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	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	.2	13.9				13.9	16.5	11.4			26.0	883
	03-05		13.8				13.8	23.8	10.2			34.1	881
	06-08	.1	13.0				13.0	20.4	10.7			31.1	868
	09-11	.2	13.3				13.3	2.6	11.4			14.0	880
	12-14		9.1				9.1		6.6			6.6	875
	15-17	.3	13.9			.1	14.0	.1	6.9			7.1	879
	18-20	.5	12.6				12.6	1.5	12.6			14.1	878
	21-23	.6	13.8				13.8	10.5	14.2			24.7	879
TOTALS		.2	12.9			.0	12.9	9.4	10.5			20.0	7023

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

WEATHER CONDITIONS

007060

BOSCOMBE DOWN UK

73-82

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02		13.0				13.0	22.7	9.4			32.1	922
	03-05		16.0				16.0	26.3	7.0			33.2	918
	06-08		16.7				16.7	26.3	8.1			34.4	917
	09-11	.1	16.0				18.0	9.0	12.0			21.0	902
	12-14		16.2				16.2	.9	11.4			12.3	895
	15-17		18.1				18.1	.8	11.5			12.3	904
	18-20		17.2				17.2	6.4	16.0			22.5	917
	21-23	.3	15.6				15.6	13.9	12.4			26.3	911
TOTALS		.1	16.4				16.4	13.3	11.0			24.3	7286



2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

037450 BOSCOMBE DOWN UK

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIR	% 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		15.1		.7		15.2	14.4	9.6			24.1	886
	03-05		19.3		.3		19.3	14.9	9.3			24.3	890
	06-08		18.3		.3		18.3	26.2	9.9			26.2	887
	09-11		15.6		.4		15.8	10.0	10.3			20.3	891
	12-14		18.5		.9		18.7	3.7	8.1			11.8	881
	15-17		18.2		.3		18.2	4.3	10.2			14.5	890
	18-20		14.6		.6		14.8	6.1	11.0			19.1	889
	21-23		15.5		.4		15.5	12.0	12.6			24.6	890
TOTALS			16.9		.5		17.0	10.5	10.1			20.6	7104

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1950 BOSCOMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS TEST	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 TEST TO VISION	TOTAL NO. OF OBS
DEC	00-02		17.4		2.0		18.6	14.4	11.8			26.2	915
	03-05		19.4		2.1		20.6	14.7	12.0	.1		26.9	916
	06-08	.1	18.9		2.5		20.6	14.5	10.5	.2		25.2	916
	09-11		18.7		2.0		20.3	10.1	12.7	.2		23.0	921
	12-14		16.1		1.4		17.5	5.3	13.4			18.7	905
	15-17	.1	17.2		1.6		18.6	7.0	14.0			21.0	919
	18-20		18.1		1.7		19.3	10.4	15.5			25.9	922
	21-23		18.2		1.6		19.4	13.4	13.9			27.3	922
TOTALS		.0	18.0		1.9		19.4	11.2	13.0	.1		24.3	7335

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION 308COMBE DOWN UK 73-82 ALL
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	ALL	.0	15.9	.2	2.3	.0	17.5	11.6	11.1	.1		22.9	7560
FEB			17.9	.8	3.4		21.4	9.8	21.8	.2		31.8	6653
MAR		.0	19.9		2.5	.0	21.5	5.5	15.9			21.3	7281
APR		.0	10.8		.6	.1	11.3	4.0	16.7			20.7	7048
MAY		.2	12.2		.1	.0	12.2	5.3	11.1			16.3	7292
JUN		.5	10.1			.0	10.1	5.3	9.9			15.2	6971
JUL		.4	8.8				6.8	3.7	8.4			12.1	7129
AUG		.5	10.8				10.8	7.6	13.8		.0	21.4	7112
SEP		.2	12.9			.0	12.9	9.4	10.5			20.0	7023
OCT		.1	16.4				16.4	13.3	11.0			24.3	7286
NOV			16.9		.5		17.0	10.5	10.1			20.6	7104
DEC		.0	18.0		1.9		19.4	11.2	13.0	.1		24.3	7336
TOTALS		.2	14.2	.1	.9	.0	14.9	8.1	12.8	.0	.0	20.9	85295

PART A

ATMOSPHERIC PHENOMENA

DATA NOT AVAILABLE

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

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

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

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

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

U S AIR FORCE
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PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

DATA NOT AVAILABLE

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

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

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

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PART C

SURFACE WINDS

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

- * 1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

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

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

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

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

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

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT: WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 107480 BOLCOMBE DOWN UK STATION NAME 73-82 YEARS JAN MONTH 1990-1993
CLASS ALL WEATHER
CONDITION

DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.7	1.9	.9	.2	.3						4.2	13.4
NNE	.1		.3	.1								.6	7.6
NE	.3	.2	.5	.5								1.5	7.9
ENE		.5	.7	1.3	.7	.3						3.2	13.4
E	.5	.5	1.9	.7	.3	.3						4.4	11.4
ESE	.3	1.1	1.2	1.3	.7	.3						4.3	10.2
SE	.3	1.2	2.2	1.7	.1	.1						5.3	8.4
SSE	.6	1.5	1.4	1.0	.8	.4						5.2	11.5
S	.3	1.5	3.3	2.5	1.9	1.1	.3	.1				11.2	13.4
SSW		1.7	1.8	2.8	.3	.3	.5					7.4	11.5
SW	.1	.1	2.2	2.3	1.1	.6						6.2	12.5
WSW	.1	1.9	2.8	2.5		.1						7.5	9.3
W	.9	2.4	3.2	5.8	2.2	.7						16.1	11.4
WNW	1.7	3.1	.8	2.3	1.5	.6	.1					11.0	9.9
NW	1.4	1.5	1.4	1.4	.2							5.3	7.6
NNW	.6	1.1	.8	.9	.3							3.5	8.1
VARBL													
CALM												5.1	
	7.4	18.3	26.4	26.7	10.0	5.1	.9	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 860

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 03000 BOSCOMBE DOWN UK YEARS 73-82 MONTH JAN
STATION NAME BOSCOMBE DOWN UK CLASS ALL WEATHER HOURS (LST) 0300-0600
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	1.1	1.7	.2	.5						3.3	10.6
NNE	.3	.2	.3	.1								1.3	7.3
NE		.8	.5	.8	.1							2.1	9.8
ENE	.2	.1	.8		.8	.2						2.1	13.4
E	.5	1.4	3.4	.6	.7	.5						6.3	10.5
ESE	.5	.3	1.8	.9	.1	.3						3.9	15.8
SE	.6	1.2	2.1	1.0	.3			.1				5.4	9.1
SSE	.2	1.2	1.1	.8	.6	.2	.2					4.4	11.2
S	.6	.5	2.6	2.4	1.8	1.2	.5					9.6	13.9
SSW	.7	.3	1.7	1.9	1.2	.6	.3					6.3	13.3
SW	.1	.3	2.9	2.4	1.6	.3						7.2	12.5
WSW	.6	1.8	2.5	2.6	.2	.1						7.8	9.0
W	1.0	2.9	3.6	6.7	1.9	.2						15.7	10.5
WNW	.9	1.7	1.5	2.6	1.4	.3						8.3	11.0
NW	1.0	1.5	2.7	.9								6.1	7.4
NNW	.7	.3	1.4	1.1								3.5	6.4
VARBL												4.4	
CALM													
	9.0	15.6	30.4	25.0	10.9	4.5	1.0	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 687

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 1440 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JAN MONTH
ALL WEATHER CLASS 1600-2800 HOURLY
CONDITION

SPEED KNTS DIR	1-3	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	1.6	.8	.3							4.1	8.4
NNE	.1	.5	.8	.1								1.5	7.2
NE	.3	.5	.1	.3	.1							1.4	7.2
ENE	.3	.9	.8	1.1	.8							4.5	10.9
E	.2	.3	2.9	.8	.7	.6						5.5	11.4
ESE	.1	.3	1.3	1.6	.1	.1						3.3	10.6
SE	.1	.5	1.7	1.9	.8	.2						4.3	11.9
SSE	.1	.8	2.5	.5	.8	.1						4.3	10.5
S	.5	1.6	4.2	2.0	1.7	1.5						11.4	12.2
SSW	.3	.7	2.7	1.7	.2	.9	.2					6.8	11.9
SW	.7	.6	1.7	1.8	2.3	.1						7.1	12.4
WSW	.5	.7	3.3	2.1	.3	.2						7.1	10.2
W	.7	1.5	4.4	5.5	1.8	.5						14.4	11.3
WNW	1.0	2.8	2.1	2.5	1.8	.1						13.4	10.1
NW	1.2	1.8	1.0	1.2								5.3	6.8
NNW	.5	.3	1.8	1.6								4.2	9.6
VARBL													
CALM												5.0	
	7.5	14.3	32.2	24.8	11.8	4.3	.2					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 884

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7450 BOSCOMBE DOWN UK 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN
MONTH
1982-1982
YEARS (L S Y)

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.5	1.0	1.5	.2							4.7	8.7
NNE	.2	.3	.8									2.5	6.5
NE	.1	.1	.5	.5	.1							1.2	10.5
ENE	.5	.5	1.6	1.3		.1						3.6	9.7
E	.5	1.3	2.6	1.8	1.1	.5						7.5	11.2
ESE	.1	.3	1.1	1.0		.1						2.7	10.3
SE	.3	.6	.5	1.1	.6	.3						3.4	11.9
SSE		1.2	2.5	.7	.2	.7						5.3	10.7
S	.7	2.4	4.3	2.3	1.9	1.1	.1					12.5	11.6
SSW	.5	.6	1.7	2.0	1.2	.6	.1					6.7	12.3
SW	.6	.8	1.7	2.8	1.7	.6	.2					8.4	13.1
WSW	.7	.9	2.2	3.2	.5	.2						7.6	10.3
W	.9	1.5	1.9	3.2	1.7	.8	.3					15.3	12.8
WNW	1.1	1.1	1.7	1.9	1.2	.3						7.5	10.7
NW	.7	1.1	.8	.6	.2							3.4	7.3
NNW	.7	.7	1.4	1.7								4.4	9.1
VARBL												4.1	
CALM													
	8.0	14.7	26.0	30.3	10.8	5.3	.8					170.0	10.6

TOTAL NUMBER OF OBSERVATIONS

880

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 137460 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JAN MONTH 1200-1400 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	.5	.8	2.2	1.4	.6							5.4	9.8
NNE	.2	.2	1.5	.6								2.5	8.2
NE	.3	.2	.6	.8	.1							2.1	8.8
ENE	.3	.7	.9	.5		.2	.1					2.7	9.3
E	.2	.8	2.4	1.8	1.0	.3						6.5	11.4
ESE	.2	.1	.6	.6	.1							1.6	10.3
SE	.6	.3	1.0	1.1	.2	.6		.1				4.5	12.6
SSE	.1	.5	.3	2.1	.5	.2	.2					3.9	13.7
S	1.1	1.7	2.7	4.6	1.4	1.7						13.2	12.1
SSW	.2	.5	1.6	2.7	1.6	.8	.1					7.5	14.0
SW	.2	.6	.8	2.3	1.4	.5	.3			.1		6.2	15.0
WSW	.7	.9	1.9	2.9	.2							6.6	9.9
W	.6	2.2	4.5	7.3	3.2	1.3						18.9	12.6
WNW	.9	.3	1.4	3.0	2.3	1.1	.6					9.8	14.7
NW	.5	.5	1.0	1.5	.6	.6						4.5	12.1
NNW	.5	.5	.7	1.0	.3							3.0	9.9
VARBL													
CALM												1.7	
	7.2	10.7	24.1	34.0	13.5	7.2	1.4	.1	.1			100.0	12.0

TOTAL NUMBER OF OBSERVATIONS 876

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7300 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JAN NORTH
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	.6	1.7	1.3	1.5	.3							5.1
NNE	.7	.6	1.3	.3								2.5
NE	.2	.5	.2	.8								1.7
ENE	.5	.2	.6	.3	.2	.3						2.2
E	.5	.7	1.2	1.9	1.1	.5						6.1
ESE	.3	.8	.6	.6		.1						2.4
SE	.1	1.7	.7	2.0	.3	.2						4.4
SSE	.5	.2	.2	1.5	.5	.1						2.9
S	.7	2.7	2.4	4.6	1.9	.6	.2					13.1
SSW	.7	.3	2.2	1.5	.7	.5	.1					5.5
SW	.1	.5	1.8	2.6	1.0	.1	.5	.2				6.6
WSW	.2	1.1	3.2	2.7	.2	.1	.1	.1				7.7
W	.6	2.5	4.2	8.5	1.1	1.3	.3	.1				18.3
WNW	.7	1.7	2.5	3.9	1.5	1.1						11.3
NW	.5	.8	1.2	1.2	.1	.6						4.4
NNW	.3	.7	.9	1.4		.2						3.5
VARBL												1.5
CALM												1.5
	7.0	16.2	23.9	35.3	9.1	5.4	1.1	.5				100.0

TOTAL NUMBER OF OBSERVATIONS

883

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

37450 BOSCOMBE DOWN UK 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JAN
MONTH
1800-1000
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	1.2	1.2	1.5	1.5								3.5	7.5
NNE	.3	.2	1.0	.3								1.9	7.5
NE	.1	.2	.7	.5								1.5	9.2
ENE	.5	.5	.5	.6	.2	.3						2.5	15.6
E	.7	.8	1.4	1.5	1.5	.1						5.9	11.5
ESE	.1	.5	1.1	1.5	.7							3.3	11.4
SE	.3	.6	.7	1.2	.9	.1						3.5	11.7
SSE	.2	.7	.9	1.5	.6	.2						4.1	11.7
S	.3	1.7	3.7	2.4	1.5	1.2	.1					13.9	12.2
SSW	.2	1.6	3.8	2.6	1.2							9.5	10.2
SW	.1	.3	2.3	2.8	.7	.2	.1	.2				6.7	12.9
WSW	.6	1.2	3.2	2.6		.3						7.9	9.9
W	1.9	2.7	5.1	4.3	1.6	1.0	.3	.1				17.5	13.9
WNW	1.0	2.6	1.8	2.3	1.1	.7						9.5	10.2
NW	.3	1.4	.9	.8	.2	.2						3.3	9.1
NNW	.5	.9	.9	.6		.1	.2					3.2	9.3
VARBL												3.5	
CALM													
	5.5	16.9	28.9	26.7	10.2	4.6	.8	.3				100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 077450 STATION NAME 30SCOMBE DOWN UK YEARS 73-82 MONTH JAN
CLASS ALL WEATHER NO. OF OBS. 2100-2300
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.2	.7	1.2		.3						3.1	10.4
NNE	.1	.6	.9									1.6	7.3
NE	.1	.1	.6	.5	.1	.1						1.5	10.6
ENE	.1	.5	.5	1.2		.7						2.6	12.2
E	.6	1.1	1.2	1.1	1.2							5.9	10.3
ESE	.1	.7	1.5	1.1	.6	.2						4.2	11.4
SE	.7	.7	1.7	1.5	.2							4.3	9.1
SSE	.6	.5	.5	.9	.9	.2	.1					3.7	12.1
S	.5	2.1	4.5	1.9	1.7	1.3	.6					12.3	12.2
SSW	.5	.6	2.4	2.1	1.1	.2						6.9	11.3
SW	.3	.5	4.1	3.3	.9	.1						9.6	10.4
WSW	.7	.9	1.9	2.6	.1	.1						6.3	9.7
W	1.1	2.0	3.5	6.4	1.4	.8	.1	.1				15.5	11.6
WNW	1.8	2.3	2.3	1.1	1.2	.1	.2	.1				9.2	9.5
NW	.9	1.2	1.1	1.6	.5							4.6	8.5
NNW	.6	.8	.8	1.1	.1							3.4	8.6
VARBL													
CALM												4.6	
	7.2	15.3	28.6	27.3	10.1	3.6	1.0	.2				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

884

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 17461 BOGCOMBE DOWN UK STATION NAME 73-82 YEARS JAN MONTH ALL HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.9	1.3	1.2	.2	.1						4.4	9.3
NNE	.3	.3	.9	.2								1.7	7.3
NE	.2	.3	.4	.6	.1	.0						1.6	9.1
ENE	.3	.5	.8	.7	.3	.2	.0					2.9	11.1
E	.4	.9	2.2	1.3	1.3	.3						6.1	11.0
ESE	.2	.5	1.1	1.0	.2	.2						3.3	10.4
SE	.4	.5	1.3	1.3	.4	.2		.0				4.4	10.6
SSE	.3	.9	1.1	1.1	.6	.3	.1					4.2	11.5
S	.5	1.8	3.4	2.8	1.7	1.2	.2	.0				11.8	12.3
SSW	.4	.9	2.2	2.2	1.0	.5	.2					7.2	11.9
SW	.3	.5	2.2	2.5	1.3	.3	.1	.1				7.3	12.8
WSW	.5	1.2	2.6	2.6	.2	.2		.0				7.3	9.9
W	1.3	2.2	3.8	6.5	1.9	.8	.1	.0				16.3	11.7
WNW	1.1	2.0	1.8	2.4	1.5	.6	.1	.0				9.5	11.0
NW	.8	1.2	1.3	1.1	.2	.2						4.7	8.6
NNW	.5	.7	1.1	1.2	.1	.0	.0					3.6	9.1
VARBL													
CALM												3.7	
	7.8	15.7	27.6	28.8	10.8	5.0	.9	.2	.0			100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

7060

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 37460 DOBSCOMBE DOWN UK STATION NAME 73-82 YEARS FEB MONTH 0000-000 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	1.2	.5	.5	.1							2.5	7.3
NNE	.2	1.3	1.6	1.1								3.5	8.5
NE	.1	.5	1.2	1.4	.1							3.4	9.9
ENE	.1	1.3	2.3	2.8	.4							6.9	10.8
E	.7	2.4	4.2	5.3	1.4	.6						14.7	11.1
ESE	.2	.7	1.2	2.2								4.3	9.5
SE	.4	.6	1.6	2.5	.5							5.5	10.3
SSE	.4	1.4	1.8	.8	.2	.4						5.3	9.0
S	.2	1.6	4.6	4.1	1.4	.2	.4					12.5	11.7
SSW	.4	.2	.8	2.3	.5	.2	.1	.1				4.7	13.1
SW	.1	1.1	1.5	1.6	1.1	.4	.2					4.3	15.1
WSW	.2	1.1	2.9	1.8	.2							6.2	9.5
W	.2	1.0	2.9	3.5	.1	.1						7.8	10.5
WNW	1.1	.6	1.7	1.4	.1	.2						5.2	8.9
NW	1.1	1.1	.8	.4	.1							3.2	6.3
NNW	.5	.6	.1	.2	.1							1.8	7.1
VARBL													
CALM												0.5	
	5.4	15.4	29.1	31.4	6.5	2.2	.7	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 632

CENTRAL CLIMATOLOGY BRANCH
METAC
AIR LEATHER SERVICE/MAC

SURFACE WINDS

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

4 - COMBES DOWN UN
STATION STATION

73-2

FILE
MORIN

ALL WEATHER

100-117

CLASS

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	1.3	.7	.4								3.0
NNE		.4	.8	.7									1.9
NE	.4	.6	2.3	1.7	.1	.2							3.3
ENE	.4	.5	2.8	2.4	1.2								7.2
E	.7	2.7	4.1	6.6	2.7	.1							15.3
ESE	.4	.7	1.7	1.7	.2								4.7
SE	.6	1.3	1.6	3.4									6.7
SSE	.6	1.4	1.6	2.8	.5	.5							7.1
S	.7	1.1	3.7	4.3	1.4	.5		.3					11.2
SSW	.4	.6	1.3	2.3	1.1	.1	.1	.5					5.3
SW	.1	.1	1.3	1.3	.7	.2							3.8
WSW	.4	1.2	.8	1.6	.7								4.4
W	.1	1.2	1.8	3.3	1.2								7.7
WNW	1.0	.9	2.0	.8	.6	.4							5.6
NW	.1	.4	.8	.8									3.1
NNW	.7	1.0	1.0	.2	.1								2.0
VARBL													3.0
CALM													
	7.7	14.1	29.1	33.9	9.8	1.4	.1	.7				100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

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USAGMIA, F. R. M. 1964. THE EFFECT OF TEMPERATURE ON THE GROWTH OF THE

2

U.S. BAL CLIMATELOGY BRANCH
 WAFSCATAC
 AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 145 DOBSCOMBE DOWN UK YEARS 73-82
 ALL WEATHER
 CLASS
 CONDITION
 FE- NORTH
 1277-1400
 HOURS LST

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.3	1.1	.8	.8							4.7	9.9
NNE	.1	.4	1.3	.3								2.7	9.3
NF		1.1	1.3	1.1	.4	.4						4.6	11.6
ENE		.5	1.3	3.3	.8	.2						6.3	12.7
E	.7	1.7	2.4	5.9	1.3	.1						11.5	11.9
ESE	.4	.7	1.3	3.5	.5	.2						6.7	11.5
SE	.4	.7	1.5	2.9	.6							5.9	10.9
SSE	.6	.9	2.3	2.2	.5							6.4	9.7
S	1.2	1.5	2.2	5.1	1.5	.6	.4	.4				12.7	13.3
SSW	.1	.7	1.2	1.9	.8	.4		.3				5.3	14.5
SW		.3	.8	2.1	2.1		.1					5.3	14.6
WSW	.2	.6	1.0	3.4		.2						6.5	11.2
W	.3	1.7	1.5	4.0	1.8	.4						10.2	11.5
WNW	.1	1.7	1.3	2.2	1.7	.5	.1					6.2	12.9
NW	.4	.2	.6	.6	.2	.2						2.3	10.6
NNW		1.7	1.5	.8	.4							3.6	9.9
VARBL													
CALM												1.0	
	4.5	13.1	23.2	4.7	12.7	3.3	.6	.6				100.5	11.7

TOTAL NUMBER OF OBSERVATIONS 824

CAUTION: IF ANY OF THE FOLLOWING CONDITIONS ARE OBSERVED, THE WINDS ARE OBSOLETE
 1. WINDS ARE OBSOLETE

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/AMC

SURFACE WINDS

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

STATION 450000 COMBE DOWN UK STATION NAME 73-92 YEARS 1977-1977
 ALL WEATHER CLASS NORTH
 CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.7	1.2	.7	.2							3.5	8.9
NNE	.1	.4	1.2	1.0								2.7	8.8
NE		1.1	2.5	1.5	.7							5.3	10.1
ENE	.1	.7	2.1	2.3	.7	.4						5.3	11.9
E	.8	1.7	2.8	4.7	1.5							15.8	15.4
ESE	.6	.4	1.5	2.5	.2	.4						5.4	11.8
SE		1.5	1.6	2.8	.2							6.2	15.5
SSE	.7	.5	1.6	2.5	.2	.1						5.4	10.5
S	.7	1.0	3.5	5.4	1.3	.5	.1					12.3	11.6
SSW		.1	.6	2.8	1.6	.1	.1	.2				5.6	15.6
SW	.2	.2	.2	2.2	2.1	.2	.1					5.3	15.4
WSW	.1	1.2	.4	1.6	.5							3.7	15.4
W	.1	1.8	2.7	4.6	2.2	.5						12.2	12.4
WNW	.5	1.0	1.3	1.8	1.2							5.8	11.5
NW	.1	.5	1.1	.5	.5	.1						2.9	15.7
NNW	.2	1.5	1.3	.8	.1							3.5	8.6
VARBL												1.9	
CALM													
	4.5	14.6	25.9	37.2	12.5	2.8	.4					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 827

ALL DATA ARE FROM 0000Z TO 2300Z. WINDS LESS THAN 1 KM ARE OBSERVED

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

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

SURFACE WINDS

4
STATION

USCOMBE DOWN JN

STATION NAME

73-R2

YEARS

FE
MONTH

ALL WEATHER

CLASS

1-12-1999
HOURS LAST

LOCATION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.3	1.6	.6								4.7	6.9
NNE	.1	1.1	1.1	.2								2.8	6.1
NE	.4	.6	1.2	1.7	.5							4.3	9.6
ENE	.5	1.1	2.7	1.9	.8							8.1	11.3
E	1.2	2.3	2.8	3.6	1.8	.4						12.0	13.4
ESE	.6	1.7	1.3	2.3	.2	.1						5.5	9.5
SE	.5	1.3	2.8	2.2	.4	.1	.1					7.8	9.0
SS		2.3	2.2	1.3	.1	.2						5.9	9.1
S	.2	1.3	4.3	4.6	.7	.6						11.6	11.4
SSW			1.7	1.7	1.2	.6	.1					6.6	14.3
SW		.4	2.2	1.3	.6							4.5	11.7
WSW		1.1	1.7	2.3								5.1	9.8
W	.6	1.4	2.3	3.1	.7	.7	.2	.1				9.5	11.8
WNW	.6	.8	1.4	1.9	.5							5.3	9.7
NW	.1	.6	.8	.7								2.3	8.9
NNW	.1	1.1	.2	.1	.4							1.9	7.9
VARBL												3.9	
CALM													
	5.9	18.4	29.6	37.9	7.9	2.8	.5	.1				100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

631

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION
 4

STATION NAME
 1

ALL WEATHER
 100

100

STATION
 100
 100-0100
 100-0100

WIND DIRECTION	0-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	MEAN WIND SPEED
N	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	0.0	0.0	0.0	0.0	0.0	0.0
NNE	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	0.0	0.0	0.0	0.0	0.0	0.0
NE	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	0.0	0.0	0.0	0.0	0.0	0.0
ENE	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	0.0	0.0	0.0	0.0	0.0	0.0
E	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	0.0	0.0	0.0	0.0	0.0	0.0
ESE	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	0.0	0.0	0.0	0.0	0.0	0.0
SE	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	0.0	0.0	0.0	0.0	0.0	0.0
SSE	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	0.0	0.0	0.0	0.0	0.0	0.0
S	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	0.0	0.0	0.0	0.0	0.0	0.0
SSW	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	0.0	0.0	0.0	0.0	0.0	0.0
SW	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	0.0	0.0	0.0	0.0	0.0	0.0
WSW	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	0.0	0.0	0.0	0.0	0.0	0.0
W	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	0.0	0.0	0.0	0.0	0.0	0.0
WNW	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	0.0	0.0	0.0	0.0	0.0	0.0
NW	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	0.0	0.0	0.0	0.0	0.0	0.0
NNW	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	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	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	0.0	0.0	0.0	0.0	0.0	0.0
CALM	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	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7.3	16.0	28.0	31.7	8.5	1.9	.8														

TOTAL NUMBER OF OBSERVATIONS

636

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: ROSCOMBE DOWN UK YEARS: 73-82 MONTH: FEB

STATION NAME: ALL WEATHER CLASS: ALL

CONDITION: ALL

SPEED KNTS: DIR	1 - 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	1.4	1.1	.6	.2							3.7	7.9
NNE	.1	.6	1.1	.8	.1							2.6	9.3
NF	.2	.7	1.6	1.3	.3	.1						4.2	10.1
ENE	.2	.3	2.2	2.9	.6	.1						6.8	11.8
E	.5	2.7	4.1	5.3	1.3	.3	.3					13.7	13.6
ESE	.4	.8	1.4	2.3	.2	.1						5.2	10.1
SE	.3	1.2	1.8	2.2	.3	.7	.3					5.7	10.7
SSE	.4	1.2	1.7	1.7	.3	.2						5.4	9.7
S	.5	1.3	4.2	4.2	1.4	.5	.1	.1				12.3	11.6
SSW	.2	.3	1.3	2.4	1.3	.3	.1	.2				5.5	14.1
SW	.1	.3	1.2	1.6	1.2	.2	.1					4.3	13.5
WSW	.3	.7	1.5	2.1	.1	.3						4.9	9.8
W	.6	1.4	2.3	3.2	.9	.3	.1	.3				8.7	11.0
WNW	.9	1.1	1.6	1.6	.5	.3	.3					5.9	9.7
NW	.7	.6	.8	.5	.2	.3						2.9	7.8
NNW	.3	.3	.6	.3	.2							2.2	7.8
VARBL													
CALM												5.2	
	6.1	15.3	28.6	32.9	8.8	2.4	.4	.3				170.3	13.1

TOTAL NUMBER OF OBSERVATIONS

6653

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	BOSCOMBE DOWN UM	YEARS	73-82	MAC
STATION NAME	ALL WEATHER		CLASS	000-0200
CONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	3.6	2.0	.2	.3						4.4	9.3
NNE	.2	1.7	1.7	1.5	.2							4.6	9.2
NE	.3	.6	1.0	.6	.3							3.0	9.2
ENE	.6	.2	1.7	.8	.8							4.7	9.0
E	.4	1.0	3.9	2.0								7.3	8.7
ESE		.4	1.5	.7								2.6	8.7
SE	1.7	.4	1.2	1.7	.1							4.7	8.4
SSE	.3	.6	1.3	1.1	.4	.1						3.0	10.1
S	.9	1.0	3.0	2.9	1.0	.9	.1					7.7	11.6
SSW	.6	1.0	2.3	4.5	1.5	1.0	.1					11.1	12.0
SW	.3	.3	2.6	2.2	.2	.4	.2					6.3	11.2
WSW	.2	.6	1.4	3.1	.2	.2						5.7	11.3
W	.5	.7	1.8	2.5	2.1	.2						8.1	12.0
WNW	.5	1.4	3.1	.6	.4							6.4	7.8
NW	.1	1.4	1.0	.1		.1						3.9	7.0
NNW	.4	1.0	.4	.6								2.4	7.1
VARBL													
CALM												7.8	
	3.4	14.2	31.5	26.6	7.6	3.5	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

909

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 4-1 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS MONTH 10-1990
CLASS ALL WEATHER HOURS 1517
CONDITION

SPEED KNTS. DIR.	1-3	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	3.5	1.9		.1						7.8	9.1
NNE	.2	1.1	1.5	1.3	.6	.1						4.9	12.5
NE	.1	.5	1.7	.7	.2	.1						2.5	13.3
ENE	.4	.2	2.1	1.2	.4	.1						4.5	13.4
E	.5	1.1	2.6	1.8								6.3	8.2
ESE	.2	.6	1.1	1.1								3.7	9.2
SE	.6	.4	1.7	1.3	.2							4.2	9.2
SSE	.6	.9	1.5	1.7	.1	.1						4.9	9.1
S	.1	1.4	4.5	3.8	.7	.3						10.8	13.5
SSW	.4	.8	2.1	3.6	1.5	1.7						9.5	13.1
SW	.1	.1	1.1	2.7	.8	.7						4.7	14.2
WSW	.3	1.4	1.5	3.3	.3							7.5	13.2
W	.1	1.7	1.1	4.6	.9	.2						8.3	12.1
WNW	1.2	2.7	1.5	.3	.1							5.2	8.5
NW	.9	1.7	1.1	.9		.2						4.7	7.6
NNW	.7	.9	1.4	.7		.1						3.3	6.7
VARBL												7.8	
CALM													
	7.2	16.3	29.6	3.1	5.8	3.1						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AL WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 17400 STATION NAME LOSCOMBE DOWN UK YEARS 73-82 MONTH MAR
CLASS ALL WEATHER HOURS (LST) 600-1800
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.3	2.7	2.2	.1							6.6	9.3
NNE	.5	1.3	1.8	1.8	.7	.1						6.1	9.9
NE	.4	.7	1.1	.7	.2	.2						3.3	9.3
ENE		.7	.9	1.8		.2						3.6	11.1
E	.5	1.2	2.9	2.4								7.3	8.6
ESE		.5	1.3	.7	.1							2.9	9.1
SE	.2	.8	1.9	1.2	.2							4.3	9.3
SSE	.2	.9	1.4	1.2	.5							4.3	10.3
S	.3	1.3	4.3	5.0	1.0	.2						12.2	10.9
SSW	.1	.2	1.6	3.8	1.1	1.0	.1					8.0	14.6
SW		.3	1.0	2.9	1.0	.4						5.6	13.5
WSW		.7	1.8	2.9	.1	.2						5.6	11.0
W	.4	1.4	1.2	3.4	1.4	.2						8.1	11.9
WNW	.9	2.0	1.5	1.3	.3	.2						6.2	6.4
NW	1.0	1.6	1.6	1.0	.1							5.4	7.1
NNW	.7	.8	1.1	.9	.1	.3						3.8	9.5
VARBL													
CALM												6.7	
	5.9	16.0	28.1	33.0	7.0	3.2	.1					110.0	7.8

TOTAL NUMBER OF OBSERVATIONS 917

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1467 BOSCOMBE DOWN UK STATION NAME 78-82 YEARS
ALL WEATHER
CLASS
CONDITION
MAC NORTH
900-1100
HOURS (LST)

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.1	1.3	2.5	.8							6.3	10.2
NNE	.2	.7	1.4	2.3	.9							5.6	11.2
NE	.3	.4	1.2	1.8	.2	.4						4.4	11.3
ENE	.2	1.0	1.7	1.4	.3	.1	.1					4.3	10.2
E	.2	.9	1.4	2.3	.3							5.3	10.5
ESE	.3	.6	.8	1.3	.2							3.2	9.7
SE	.1	.9	1.3	1.3	.7							4.3	10.5
SSE	.3	1.0	2.0	1.0	.7							5.3	9.8
S	.3	1.4	1.1	4.7	3.3	.7	.1					11.7	13.9
SSW	.1	.7	.8	3.8	2.0	.4						8.5	15.3
SW		.2	.9	2.5	2.0	.4						6.1	14.9
WSW		.7	.9	2.9	.6							5.0	12.5
W	.4	.9	.7	5.3	1.9	1.1						10.3	14.1
WNW	.8	.6	1.0	1.9	1.1	.9						6.2	12.5
NW	.3	.7	.7	2.2	.4	.1						4.4	11.5
NNW	.4	1.0	1.5	3.1	.2	.3						6.6	10.5
VARBL												2.4	
CALM													
	4.7	12.7	18.7	40.4	15.6	4.9	.7					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION NO. 407 WOSCOMBE DOWN UK
STATION NAME

73-90

YEARS

W 44
MONTH

ALL WEATHER
CLASS

1700-1400
HOURS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.0	2.3	4.2	.7							5.2	11.2
NNE	.2	.4	1.2	2.8	.4							5.4	10.8
NE		.4	.6	3.5	.7							4.7	12.4
ENE	.4	.2	.8	1.2	.2	.3						3.2	11.8
E	.7	.8	1.7	2.2	.2							5.1	11.5
ESE	.7	.2	.6	1.2				.1				2.5	11.4
SE		.1	.6	1.8	1.5	.3						3.6	14.6
SSE	.4	1.0	1.3	1.2	.7	.3						5.7	10.9
S	.2	.9	1.8	3.9	2.3	1.3						10.3	14.4
SSW	.2	.2	1.3	3.4	3.3	1.2	.4					10.5	15.5
SW	.2	.6	.6	2.1	3.2	1.1	.1					7.8	16.1
WSW	.2	.2	1.1	2.8	1.3							5.6	12.9
W		.6	1.4	4.4	3.4	1.4	.1					11.5	15.3
WNW	.1	.4	1.1	2.9	1.5	.7						5.7	14.5
NW	.1	.4	.4	1.2	.2							2.4	11.2
NNW		1.9	1.1	2.8	.7							5.4	12.8
VARBL													
CALM												5.4	
	2.9	10.2	18.1	47.5	19.9	6.6	.7	.1				100.0	13.1

TOTAL NUMBER OF OBSERVATIONS

906

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

DO COMBE DOWN UP

73-82

4 A . . .
MONTH

ALL WEATHER

100-1700

CONCLUSION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	2.3	2.4	3.7	.7							7.2	13.4
NNE	.3	.4	2.2	2.3	.9							6.5	13.8
NE	.1	.3	.9	2.3	.1							5.7	13.8
ENE	.1	.3	.8	1.8	.3	.1	.2					3.6	12.8
E	.2	.9	.7	1.4	.2							3.4	9.8
ESE	.2	.2	1.1	1.0	.1							2.6	9.1
SE	.1	.3	1.1	1.5	1.2							4.3	12.3
SSE	.3	.3	.7	1.1	.7	.2						3.5	11.8
S	.2	1.2	2.5	5.4	.9	.4						1.7	12.1
SSW	.3	.3	1.3	5.1	2.2	1.8	.2					11.2	15.4
SW		.3	.5	2.7	2.0	1.4						7.1	16.3
WSW	.1	.2	.9	3.4	.2	.1						4.0	12.4
W	.2	1.7	1.2	6.7	3.3	1.2						13.3	14.4
WNW	.3	.4	1.6	1.3	2.5	.5						6.7	13.8
NW	.1	.5	.8	1.4								2.9	13.4
NNW	.2	1.4	2.1	2.3	.2							6.3	9.1
VARBL												1.1	
CALM													
TOTAL	1.0	11.0	21.0	42.5	15.2	5.8	.4					100.0	12.4

TOTAL NUMBER OF OBSERVATIONS

912

$\Delta G^\circ_{\text{f}}(\text{A})$ $\Delta G^\circ_{\text{f}}(\text{B})$ $\Delta G^\circ_{\text{f}}(\text{C})$ $\Delta G^\circ_{\text{f}}(\text{D})$ $\Delta G^\circ_{\text{f}}(\text{E})$

GLOBAL CLIMATOLOGY BRANCH
 USAF/FLTAO
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 17467 BOSCOMBE DOWN UK STATION NAME 73-R2 YEARS MONTH 1800-2000
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.6	2.8	1.5	.2							7.8	8.1
NNE	.3	1.6	2.5	2.2	.7							6.7	9.3
NE	.1	1.4	1.4	1.4	.4	.1						4.9	10.3
ENE	.2	.3	.7	2.	.2	.2						3.6	11.3
E	.2	1.2	.7	1.3	.2	.2						3.8	10.1
ESE	.2	.7	1.1	.5	.3							2.8	9.1
SE	.2	1.1	1.2	.5	.3	.1						3.5	9.0
SSE	.4	1.3	1.2	.9	.2	.1						3.9	8.7
S	.1	2.6	5.1	2.6	1.0	.3						11.7	10.7
SSW		1.3	3.5	4.3	1.6	1.2	.1					11.6	13.3
SW	.1	.1	1.7	4.5	.9	.4						7.6	13.2
WSW		.2	.9	2.4	.4	.1						4.0	12.5
W	.2	1.5	3.2	4.5	1.4	1.3						11.3	12.1
WNW	.4	1.4	1.4	1.6	1.1	.2						6.2	11.0
NW	.4	1.3	.7	.4	.1							3.9	7.1
NNW	.1	1.3	2.5	.8								5.2	7.7
VARBL												2.3	
CALM													
	3.7	25.4	29.5	31.7	9.1	3.9	.1					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

920

GLOBAL CLIMATOLOGY BRANCH
 STAFF TAC
 AIR WEATHER SERVICE/4AC

SURFACE WINDS

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

STATION 11000 BOB COMBE DOWN UN

73-82

MAC

STATION

STATION NAME

YEARS

MOON

ALL WEATHER

1100-2300

CLASS

MOON

CONDITION

SPEED KTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.4	3.1	.7	.1	.1						7.7	7.7
NNE	.2	1.4	2.2	2.2	.3							6.7	9.4
NE	.2	.7	1.6	1.3	.5	.1						4.5	10.8
ENE	.2	.5	1.2	1.5	.1							3.1	9.5
E	.3	1.5	1.6	2.1	.1							5.7	9.1
ESE	.2	1.1	1.2	.7	.1							3.5	8.8
SE	.3	1.3	1.3	1.2		.1						4.5	8.3
SSE	.3	1.3	1.4	.9	.3							3.9	9.1
S	.3	2.1	3.5	1.9	.7	1.2						10.2	10.5
SSW	.2	.7	2.1	4.7	.9	.6	.1	.1				9.5	10.4
SW	.5	.2	1.4	3.4	.7	.4	.2					6.2	12.5
WSW	.3	.5	2.1	2.4	.4							5.6	10.7
W	.3	2.2	2.3	3.2	1.5	.1						7.5	11.2
WNW	.5	.7	1.4	1.5	.5	.2						6.2	9.4
NW	.5	1.3	1.3	.4		.7						3.2	8.4
NNW	.8	1.5	1.4	.4								4.2	8.6
VARBL													
CALM												5.5	
	5.6	20.3	29.3	23.2	6.4	3.5	.3	.1				100.0	9.0

TOTAL NUMBER OF OBSERVATIONS

512

U.S. AIR FORCE CLIMATE BRANCH
 W. H. PETERSON
 AIR WEATHER SERVICE, WAC

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

SURFACE WINDS

STATION NAME: LAUREL, MISSISSIPPI STATION NUMBER: 17-222
 CLASS: ALL WEATHER
 MONTH: MAY
 YEAR: 1957

WIND DIRECTION	1-3	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	2.7	5.3	.7	.7						7.7	9.4
NNE	.3	1.1	1.7	2.6	.6	.7						5.3	10.2
NW	.2	.7	1.1	1.4	.3	.1						3.8	10.3
ENE	.3	.5	1.2	1.4	.7	.1	.5					3.8	10.8
E	.4	1.1	1.7	1.8	.1	.5						5.5	10.8
ENE	.1	.5	1.1	1.0	.1	.7						2.9	9.0
SE	.7	.7	1.3	1.3	.5	.1						4.2	10.1
SSE	.4	.7	1.4	1.1	.5	.1						4.3	10.0
S	.4	1.0	3.2	3.8	1.3	.7	.5					10.2	11.7
SEW	.2	.7	1.8	4.2	1.8	1.1	.2	.7				10.3	14.2
SW	.2	.5	1.2	1.8	1.3	.7	.1					5.5	14.0
WSW	.2	.5	1.3	2.8	.5	.1						5.3	12.5
W	.5	1.2	1.6	4.3	2.7	.7	.5					10.1	13.0
WNW	.5	1.3	1.6	1.4	1.4	.3						5.2	12.5
NW	.5	1.0	.4	1.2	.1	.1						3.7	8.4
NNW	.4	1.2	1.5	1.4	.2	.1						4.3	9.0
VARBL												4.4	
CALM													
TOTAL	10.1	15.1	25.7	34.2	10.8	4.7	.3	.7				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

7281

JOINT CLIMATOLOGY BRANCH
USAFETA
AT WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

SURFACE WINDS

40
STATION

BOBSCOMBE DOWN UP

STATION NAME

77-40

ALL WEATHER
CLASS

8-2

MONTH

100-200
WIND CLASS

LOCATION

SPEED KNOTS C.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	4	MEAN WIND SPEED
N	1.5	3.5	4.1	1.1	.5							1.5	7.4
NNE	.3	2.4	1.5	2.2	.1							5.9	8.6
NE	.8	2.7	2.3	2.4	.1							5.6	9.1
ENE	.5	.7	1.2	2.9	.6							5.0	11.4
E	.2	1.7	2.3	1.5								5.8	7.7
ESE	.2	.5	1.7	.3								2.0	7.5
SE		.7	.6	.8								2.1	9.3
SSE	.7	.3	.9		.1							1.6	7.5
S	.3	2.7	2.5	1.5								5.4	7.7
SSW		.2	2.3	1.2	.1							5.9	10.2
SW	.5	.5	.7	1.8	.3	.1						3.5	11.3
WSW	.1	.5	2.3	.7								3.3	8.7
W	1.6	1.4	2.3	2.8	.1							8.2	8.4
WNW	2.7	2.8	2.7	1.7	.2							9.5	6.4
NW	1.7	2.7	1.1	.7								5.5	5.8
NNW	1.5	2.5	2.8	.3	.1							7.2	6.4
VARBL													
CALM													
	21.8	23.2	30.2	22.0	2.3	.1						100.2	7.3

TOTAL NUMBER OF OBSERVATIONS

583

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1460 BOSCOMBE DOWN UK STATION NUMBER 73-82 YEARS MONTH 1900-1950
CLASS ALL WEATHER
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	4.2	4.6	1.4	.5							11.4	7.6
NNE	.2	1.8	3.0	1.9	.1							7.1	5.9
NE	.6	1.7	2.4	2.5	.1							6.3	9.1
NENE	.2	1.1	.7	5.3	.3							5.7	11.1
E	.6	1.7	1.9	1.7								4.5	8.7
ESE	.2	.5	1.1	.7								2.5	5.2
SE	.2	.5	.5	.7								1.5	8.2
SSE		.6	1.2	.3								1.5	7.9
S	.3	1.7	2.1	.9	.1							4.4	6.2
SSW	.5	.3	2.2	1.1	.3	.1						4.6	9.6
SW	.1	.3	1.1	.5	.6	.1						2.7	11.9
WSW	.3	.7	1.4	.8								3.2	6.7
W	1.4	2.2	2.4	3.1								7.1	8.1
WNW	3.1	2.5	2.4	1.5	.1							9.5	5.2
NW	1.8	2.4	2.4	.8								7.4	6.3
NNW	1.3	2.9	2.8	.6								7.5	6.5
VARBL													
CALM												7.9	
	11.6	23.1	31.9	21.1	2.7	.7						10.5	7.3

TOTAL NUMBER OF OBSERVATIONS 878

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION LOSCOMBE DOWN UN 77-82 APR 1960-1960
STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.1	3.4	3.7	.1							11.1	8.8
NNE	.2	1.7	3.2	2.8								7.9	9.2
NE	.3	1.3	1.8	4.2	.1							7.7	10.4
ENE	.2	.7	2.5	3.7	.2							6.9	10.9
E	.2	1.5	2.7	1.4								5.9	8.2
ESE		.3	.8	.5								1.7	6.9
SE	.5	.1	.5	.9	.2							2.2	10.1
SSE	.2	.1	1.1	.8	.1							2.4	9.4
S	.7	1.5	1.7	.7	.3							4.4	8.4
SSW	.5	.7	.8	1.4	.8	.1						4.2	11.3
SW	.1	.2	.7	1.4	.1							2.6	11.3
WSW	.1	.7	1.4	1.1		.2						3.5	9.8
W	1.8	1.2	2.5	2.9	.5							9.0	8.7
WNW	2.5	2.8	1.9	1.7	.1							9.1	6.8
NW	2.3	2.4	1.9	1.6	.1							8.3	6.8
NNW	1.1	2.2	3.1	.8	.5							7.6	7.6
VARBL												5.7	
CALM													
	11.1	20.4	29.6	29.7	3.2	.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

682

CENTRAL CLIMATOLOGY BRANCH
COMPTAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 10706 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS APR MONTH 1900-1900 MONTHS 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	2.6	3.2	6.2	.1							12.5	10.0
NNE	.6	.2	2.7	5.1	.5							10.1	11.0
NE	.1	.4	1.9	3.7	1.2							7.8	11.6
ENE	.1	.2	1.7	4.9	1.6	.2						3.7	10.4
E	.5	.9	1.7	3.2	.3							6.6	10.4
ESE	.6	.5	1.5	.8	.1							3.1	8.9
SE	.2	.3	.3	1.5	.1							2.5	10.9
SSE	.1	.2	.5	.7	.2	.2						1.9	12.3
S	.2	1.1	2.1	1.5	.7							5.7	10.2
SSW	.5	.6	.7	1.0	1.0							3.7	11.2
SW	.1	.1	.5	1.4	.8							2.8	13.1
WSW	.2	.5	1.4	.8								2.8	8.9
W	.5	.7	2.3	5.3	.8	.1						9.6	11.6
WNW	.7	1.5	1.2	1.2	1.0	.2						5.4	10.5
NW	.3	.6	1.9	2.7	.3	.1						6.2	10.8
NNW	.6	2.4	2.4	3.1	.5							8.8	9.4
VARBL												1.7	
CALM													
	5.7	13.0	25.5	44.0	9.3	.2						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

684

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 1746 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS
CLASS ALL WEATHER
CONDITION
APR NORTH
1200-1400
HOURS - LST

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.4	3.3	4.8	.3							11.1	10.0
NNE	.1	.7	2.1	7.2	.2							10.3	11.4
NE	.1	1.7	1.8	4.1	.7							6.2	11.3
ENE	.7	.3	1.3	3.9	2.5	.6						9.4	14.0
E	.3	1.7	1.1	2.1	.3							4.9	13.4
ESE	.5	.3	.3	.7	.5	.2						2.5	11.2
SE		.5	.5	1.6	.9							3.4	13.0
SSE		.5	.1	.7	.2							1.5	11.4
S	.8	.6	1.0	3.3	.3	.1						6.2	10.8
SSW		.3	.2	1.5	.5	.2						2.6	13.9
SW	.1	.1	1.3	2.6	1.0	.1						5.3	12.7
WSW		.7	.9	1.5	.3							3.1	11.1
W		.4	2.5	4.8	1.4							9.5	11.9
WNW		.8	1.3	2.4	.7	.3						5.5	12.6
NW	.1	.7	1.4	2.0	.2	.1						4.5	10.9
NNW	.6	1.4	3.6	3.9	.5							9.9	10.4
VARBL												1.8	
CALM													
	3.6	12.2	22.8	47.2	10.7	1.7						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 037401 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS APP MONTH 1500-1700
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	5.0	6.6	.5							13.1	13.7
NNE	.1	1.6	3.9	6.5	.5							12.5	13.7
NE	.1	.6	2.6	4.3	1.1							8.7	11.9
ENE	.1	.7	1.2	2.8	1.8	.5						7.2	13.6
E	.3	.3	.6	1.8	.7							3.3	11.4
ESE	.3	.1	.7	1.5	.3							5.0	11.2
SE	.1	.2	1.0	2.5	.1							4.0	11.2
SSE	.2	.3	.7	.7	.2							2.2	9.6
S	.7	.2	.6	1.8	.1	.1						3.5	9.9
SSW	.3	.1	1.4	3.2	.5	.3	.1					5.9	12.5
SW		.5	.8	1.9	1.7	.1						5.0	13.9
WSW	.2	.2	.9	1.2								2.8	13.2
W	.1	.7	1.2	6.4	.6	.2						9.2	12.6
WNW	.3	1.4	2.5	3.1	.3	.3						7.5	13.6
NW	.1	.9	1.4	1.8	.1	.2						4.1	10.3
NNW	.5	1.0	1.7	3.7	.2	.1						7.3	13.6
VARBL													
CALM												1.0	
	3.9	9.7	25.7	49.0	8.7	1.9	.1					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 30SCOMBE DOWN UK YEARS 73-82
STATION NAME CLASS ALL WEATHER
CONDITION
APR NORTH 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	.6	4.7	3.5	2.9	.1							11.1	8.5
NNE	.6	2.6	5.5	3.5	.1							12.3	8.9
NE	.1	1.2	5.0	4.2	.5							11.0	10.5
ENE	.5	.5	1.1	2.0	.3	.2						4.6	11.1
E	.5	.3	2.5	1.9	.2							5.4	9.7
ESE	.3	.6	2.5	.3								3.6	8.3
SE	.2	.3	1.1	.6								2.5	8.3
SSE	.2	.5	.3	.2	.1							1.4	7.8
S	.5	1.4	3.3	1.0	.3							6.4	8.4
SSW	.2	.7	1.4	2.1	.1	.7						5.0	10.5
SW		.6	1.0	2.0	1.2	.1						5.3	12.8
WSW		.8	.6	.6								1.9	7.9
W	.3	1.5	2.9	4.3	.9	.1						10.1	10.7
WNW	.3	2.3	2.9	1.6		.1						7.2	8.4
NW	.2	.7	1.5	.7	.3	.1						3.5	9.9
NNW	.5	1.6	2.3	1.7	.2							6.2	9.1
VARBL													
CALM												2.7	
	4.9	19.8	37.4	29.8	4.5	.9						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 884

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

17461 BOSCOMBE DOWN UK

73-82

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

2100-2300

CLASS

HOURLY (LST)

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	5.1	2.6	1.1	.2	.1						15.4	7.5
NNE	.6	2.7	2.9	2.1	.2							8.6	8.3
NE	.5	.9	3.3	3.5								8.1	9.9
ENE	.3	.7	1.9	1.3	.8							7.5	11.3
E	.7	1.1	3.5	1.5								6.8	8.5
ESE	.7	.3	1.6	.7								3.5	5.4
SE	.7	.5	.6	.2								1.5	7.1
SSE	.2	.7	.7									1.6	5.8
S	.2	1.9	2.7	.8								5.6	7.8
SSW	.2	1.5	2.4	1.2	.1							5.4	8.6
SW	.7	.3	1.0	1.2	.2							3.5	9.8
WSW	.5	.8	1.0	.9								3.2	7.9
W	1.0	1.8	3.0	3.5	.1							9.5	8.9
WNW	1.9	3.3	2.0	1.2								3.5	6.5
NW	1.0	2.3	1.1	.3								4.5	5.7
NNW	.7	1.7	1.5	1.5	.1							5.4	8.1
VARBL												7.4	
CALM													
	10.2	25.5	31.8	23.1	1.8	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

686

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 07407 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS APR MONTH ALL HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED KNOTS DIP	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.2	3.7	3.5	.3	.0						11.4	8.8
NNE	.3	1.7	3.2	4.0	.3							9.5	9.7
NE	.4	1.1	2.6	3.7	.5							6.4	10.4
ENE	.3	.7	1.4	3.4	1.5	.2						6.9	12.3
E	.5	.7	2.0	1.7	.2							5.4	9.1
ESE	.3	.5	1.1	.7	.1	.7						2.7	9.5
SE	.2	.4	.6	1.1	.2							2.5	10.5
SSE	.2	.4	.7	.8	.1	.8						1.3	9.1
S	.4	1.2	1.9	1.4	.2	.5						5.2	8.9
SSW	.3	.6	1.4	1.6	.4	.1	.0					4.4	10.8
SW	.2	.3	.9	1.6	.8	.1						3.5	12.3
WSW	.2	.6	1.2	1.0	.0	.0						3.1	9.1
W	.8	1.3	2.4	4.1	.5	.1						9.3	10.2
WNW	1.4	2.1	2.1	1.7	.3	.1						7.8	8.1
NW	1.0	1.5	1.6	1.3	.1	.1						5.5	8.1
NNW	.5	1.9	2.5	1.9	.3	.7						7.5	9.6
VARBL													
CALM													
	5.0	18.4	29.4	33.2	5.3	.8	.0					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

7047

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

7460 BOLCOMBE DOWN UK 73-84
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
MAY
MONTH
1983-1984
HOURS 157

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	3.3	2.4	1.0								7.6	6.3
NNE	.7	1.7	1.6	2.5	.1							5.3	9.2
NE	.3	1.2	1.2	1.5								4.2	1.0
ENE	.3	.3	2.7	2.2	.5							5.8	1.1
E	.5	2.1	5.2	3.7	.1							11.6	7.1
ESE	.5	.3	1.4	.2	.5							2.2	7.6
SE	.3	.3	1.0	.3								2.5	0.5
SSE	.8	1.3	1.0	.4	.1							3.5	6.7
S	.3	2.5	2.6	1.2	.2							6.8	8.3
SSW	.3	1.5	3.4	1.3	.4							6.4	9.3
SW	.4	.1	1.6	1.5								3.7	9.4
WSW	.4	1.7	1.0	.7								3.2	7.2
W	1.3	1.3	1.7	1.6		.1						5.5	7.6
WNW	1.2	3.3	1.6	1.1	.1							7.3	6.6
NW	2.3	2.2	1.4	.5								6.4	5.5
NNW	3.2	1.4	1.2	.1								4.9	4.8
VARBL													
CALM												9.8	
	15.3	24.9	50.3	12.9	1.8	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

157

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 45 DO SCOMBE DOWN UK STATION NAME 73-82 TELER MAY
ALL WEATHER NORTH
CLASS 6.0-7.00
COND TION

WIND DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.1	2.5	1.6								7.4	7.7
NNE	.3	1.3	1.7	1.3	.8							6.8	1.0
NE	.4	.5	1.1	2.8	.4							5.3	1.7
NNE	.1	1.3	1.8	2.3	.8							6.3	10.6
E	.9	1.2	4.6	4.1	.6							11.6	7.5
ESE	.6	.7	.7	.4	.3							2.5	8.0
SE	.6	1.4	1.5	.4	.1							3.5	7.3
SSE	.6	1.2	1.3	.7								3.7	7.3
S	1.2	2.0	2.9	1.5	.6							1.1	5.4
SSW	.4	1.1	3.5	2.4	.8	.2						.5	13.2
SW	.3	.7	2.0	1.1	.1							4.2	5.8
WSW		.4	1.9	1.1								3.4	9.2
W	.9	2.5	2.1	1.5								6.5	7.6
WNW	2.1	2.1	1.5	1.8	.1	.1						7.7	7.1
NW	1.5	1.1	1.1	1.4								5.2	7.3
NNW	1.2	1.0	1.7	.9								4.7	5.9
VARBL													
CALM												4.5	
	12.0	27.1	31.2	27.5	4.3	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 979

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

7-92

W A V
M C B

ALL WEATHER

100-1100

6100

— — — — —

SPEED KNOTS D.R	1-3	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	2.5	2.4		.1						5.7	9.0
NNE	.1	.6	2.1	3.8	.4	.1						7.3	11.9
NE	.1	.3	1.5	3.7	1.4							7.1	12.9
ENE	.3	.4	1.9	5.3	.5							5.5	10.7
E	.7	.4	2.1	2.5	1.3	.3						7.5	11.1
ESE	.1	.4	1.3	3.1	1.7	.3						4.9	13.7
SE		.7	1.2	1.4	.3							3.5	12.7
SSE	.1	.	1.3	1.3	.1							3.1	9.7
S	.7	1.5	2.5	2.6	1.5							3.9	12.3
SSW	.4	.3	1.2	4.7	1.1	.3						3.5	13.1
SW	.1	.3	1.5	2.2	.9							5.1	12.5
WSW		1.2	1.4	1.9	.1							4.6	9.3
W	.5	1.5	3.3	3.2								3.8	9.7
WNW	.9	1.1	.4	2.1	.5	.3						3.2	10.8
NW	.7	1.3	1.3	1.3	.3							4.5	8.9
NNW	.4	1.6	1.8	1.9	.2							3.9	8.0
VARBL													
CALM												1.5	
	5.6	14.6	27.3	19.1	9.9	2.0						11.3	10.6

TOTAL NUMBER OF OBSERVATIONS

91.

UNSAFE! RM
L. 64

FBI, NEW YORK OFFICE, MAY 19 9M AGI FBI NY

U.S. NAVAL CLIMATOLOGY BRANCH
U.S. FLEET
NAVY WEATHER SERVICE / MAC

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

SURFACE WINDS

STATION NAME: LOSCUMBE DOWN DR
CLASS: ALL WEATHER
YEARS: 77-82
MONTH: MAY
PERIOD: 1700-1700
HOURS: 1.57
CONDITION:

WIND DIRECTION	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.4	3.4	1.5	.1	.1						7.1	5.6
NNE	.3	1.3	2.4	2.8	.8	.1						7.4	11.1
NNE		.3	1.0	1.6	.6							5.2	11.8
ENE		.4	.9	3.3	1.7	.2						5.6	14.0
E	.7	.5	2.1	2.8	1.3							6.8	11.3
ESE	.1	.3	.7	1.1	1.3	.2						3.4	13.8
SE	.1	.4	1.2	3.8	.4	.5						6.2	12.5
SSE		.1	.5	1.7	.2							2.6	12.2
S	.5	1.3	2.5	3.4	1.2	.1						7.1	11.1
SSW	.2	.3	2.3	2.4	2.3	.5	.2					10.3	13.8
SW	.2	.3	.8	1.5	1.4	.4						5.7	14.0
WSW			1.4	2.7	.2							4.3	11.1
W	.7	1.3	2.1	2.5	1.2	.1						5.1	10.7
WNW	.2	1.3	2.2	3.5	.6							5.4	10.5
NW	.2	.5	.9	.5	.4							2.0	10.1
NNW	.3	.2	2.0	1.1	.1							4.4	8.9
VARBL													
CALM												.7	
	3.2	11.3	26.2	41.6	13.5	2.1	.2					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

216

DATA FROM 1977-1982
U.S. NAVAL CLIMATOLOGY BRANCH

GENERAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAO

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

SURFACE WINDS

STATION 141 LOSCOMBE DOWN UK STATION NAME 77-82 YEARS MAY MONTH 1800-0000 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.6	1.4	3.7	.6	.1							5.2	7.7
NNE		2.6	2.7	2.8	.3							7.8	9.3
NE	.7	1.2	2.7	3.0	.4							7.6	9.9
ENE	.2	.6	.8	2.1	.6							4.1	11.4
E		1.1	1.1	2.1	.6	.1						5.3	11.6
ESE	.1	1.4	1.1	1.2	.3							3.3	9.9
SE	.1	.8	1.7	1.6	.4							4.5	13.3
SSE	.3	.9	2.5	.9								4.5	8.1
S	.6	2.2	4.2	3.1	.4	.1						10.6	9.2
SSW	.7	1.3	4.1	5.2	1.2	.3						12.9	11.3
SW	.3	.6	2.2	3.3	.3	.1						5.2	10.4
WSW	.2	.5	1.7	1.4								3.2	5.8
W	.4	2.3	2.5	2.8	.4							5.5	9.3
WNW	.9	1.2	2.6	1.7	.6							5.5	9.7
NW	.3	.4	.6	.3	.1							2.3	7.8
NNW	.3	1.1	1.2	.9	.2							4.0	5.4
VARBL												1.7	
CALM												1.7	
	5.3	13.8	34.1	33.3	6.1	.7						17.3	9.6

TOTAL NUMBER OF OBSERVATIONS 937

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7400 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS
ALL WEATHER CLASS
CONDITION

MAY
MONTH
100-2300
HOURS LEFT

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.4	1.2	.5								2.9	7.0
NNE	.2	2.2	2.0	3.3	.2							7.8	9.6
NE	.4	1.7	1.9	3.4	.1							6.6	10.2
ENE	.7	.4	2.4	2.4	.2							6.1	9.8
E	1.5	.8	2.9	3.4	.3	.1						7.5	9.2
ESE	.1	1.1	1.2	.5	.2							3.2	6.7
SE	.4	1.7	1.2	.1								2.7	6.5
SSE	1.5	2.2	1.3	.3	.4							3.2	7.0
S	.9	3.1	6.0	1.2	.2							11.3	7.7
SSW	.5	1.5	3.9	2.2	.2	.1						6.5	6.8
SW	.1	.7	1.6	1.6	.2	.1						4.4	10.0
WSW	.2	2.1	1.6	.4								4.6	7.3
W	.3	2.9	2.5	2.8	.1							9.2	6.2
WNW	1.6	3.7	1.9	.9								8.1	6.0
NW	1.5	2.3	.8	.2								3.9	5.4
NNW	.5	1.7	.8	.3								2.6	6.4
VARBL													
CALM												4.2	
	13.1	27.0	53.4	22.5	2.3	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

918

2

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAO

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

SURFACE WINDS

STATION 740 SUSCOMBE DOWN UK STATION NAME 73-82 YEARS MAY MONTH ALL HOURS (L & T) CLASS ALL CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.3	2.3	1.4	.7	.5						6.1	7.9
NNE	.2	1.3	2.1	3.0	.4	.1						7.1	10.2
NE	.2	.3	1.5	2.6	.5	.5						5.3	10.7
ENE	.3	.7	1.6	2.4	.9	.1						5.9	11.3
E	.5	1.1	3.5	7.0	.7	.1						8.4	13.1
ESE	.5	.7	1.0	1.0	.5	.2						3.5	11.1
SE	.3	.9	1.5	1.4	.2	.1						3.9	9.8
SSE	.4	1.1	1.3	.9	.2	.5						3.9	8.3
S	.7	2.1	3.4	2.2	.7	.1						9.2	9.2
SSW	.4	1.0	2.8	3.4	1.0	.3	.5					8.9	11.5
SW	.2	.4	1.6	2.0	.6	.1	.5					4.7	11.6
WSW	.2	1.0	1.5	1.4	.1	.1						4.2	9.5
W	.9	2.1	2.3	2.5	.2	.5						5.1	8.7
WNW	1.3	2.1	1.7	2.5	.4	.1						7.6	8.3
NW	1.2	1.2	1.5	.9	.1	.7						4.4	7.3
NNW	.8	1.2	1.4	.8	.1							4.2	7.4
VARBL													
CALM												3.3	
	8.5	19.5	29.5	33.9	6.6	1.1	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 7286

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7746 BOSSCOMBE DOWN UK STATION NAME 73-82 YEARS JUN MONTH 1000-1200 HOURS (LST)
CLASS ALL WEATHER
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	4.1	1.3	.3								7.3	5.5
NNE	.5	1.7	1.6	.6								4.4	7.3
NF	.2	.5	1.6	1.1								3.6	8.5
ENE	.5	.3	1.4	1.7								3.2	8.4
E	.9	1.3	2.6	2.2	.2							7.8	6.3
ESE	.2	.3	.5	.2								1.7	6.2
SE	.3	.6	.9	.1								1.9	6.5
SSE	.3	1.3	.9	.1								2.6	6.1
S	1.5	3.6	3.2	.5								8.7	6.2
SSW	.5	1.5	3.1	1.4	.3							6.8	8.8
SW	.6	1.5	3.8	.6								8.4	7.3
WSW	.7	1.7	2.2	.5								5.3	6.8
W	1.7	3.7	4.6	1.1								11.1	6.8
WNW	2.6	3.9	1.8	.5								8.8	5.3
NW	1.8	3.8	1.7	.2								7.6	5.2
NNW	.9	1.1	.8	.3	.1							3.3	6.4
VARBL													
CALM												9.6	
	14.9	32.0	32.0	11.8	.7							110.3	6.1

TOTAL NUMBER OF OBSERVATIONS

672

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 0486 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS 1967-1170
CLASS ALL WEATHER NORTH
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.5	3.3	2.3								5.3	5.7
NNE	.5	.8	3.2	2.1								5.5	8.9
NE	.1	.7	1.6	1.3								3.7	9.5
ENE	.2	.3	1.8	2.8								5.2	10.2
E	.6	.7	2.1	3.5	.1							6.5	9.6
ESE	.2	.7	1.2	.7								2.9	8.5
SE	.7	1.2	1.5	1.0	.3							4.6	8.5
SSE	.2	.7	1.0	.2	.1							2.3	7.7
S	.1	.9	3.5	2.0	.2							6.7	9.5
SSW	.5	.5	2.9	3.1	.7							7.6	11.2
SW	.1	1.2	2.9	1.4	.2							5.8	9.7
WSW		1.5	3.1	1.4								5.3	8.6
W	1.0	2.7	4.8	6.2	.5							15.2	9.5
WNW	.7	2.7	1.7	2.9	.2	.1						7.6	9.5
NW	.5	1.7	2.1	2.4	.2							6.2	9.7
NNW		.9	1.6	1.0								3.6	8.9
VARBL												1.7	
CALM													
	5.8	17.5	38.4	33.8	2.7	.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

667

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 140 DISCOMBE DOWN UK STATION NAME 73-82 YEARS JUN MONTH 1992-1993 HOURS 1500

ALL WEATHER

CLASS

STATION

SPEED KNOTS D/R	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N		2.2	2.8	1.5								6.5	8.3
NNE	.2	1.2	2.9	1.9								6.1	9.1
NE	.2	.5	1.9	.7	.1							3.4	8.7
ENE	.2	.5	3.2	3.2								6.1	9.3
E	.3	.7	3.1	1.7								5.1	9.2
ESE	.1	.9	.5	.8	.3							2.7	9.3
SE	.3	.3	.2	1.1	.2							3.2	10.6
SSE	.2	.8	.8	.6	.1							2.7	8.5
S	.3	1.3	2.8	2.9	.3	.2						7.9	10.2
SSW	.3	.7	1.6	3.4	.9	.7						7.6	13.7
SW	.1	.7	1.4	2.8	1.0	.1						5.1	12.1
WSW	.2	1.2	4.8	1.7	.1							5.7	9.3
W	.5	2.8	3.5	7.2	1.5							15.4	13.7
WNW	.5	1.3	2.9	3.4	.1	.1						8.2	10.1
NW	.2	.7	1.7	1.5	.1							4.3	9.4
NNW	.2	1.7	1.9	1.6								4.6	8.9
VARBL													
CALM												.6	
	4.2	16.9	35.9	36.3	5.7	1.2						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

863

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

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

SURFACE WINDS

STATION 17450 BOSSCOMBE DOWN UK STATION NAME 73-82 YEARS JUN MONTH 1900-1900 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	2.5	3.6	1.7								7.3	7.5
NNE	.3	1.6	2.4	1.8	.3							6.4	6.3
NE		1.1	1.9	1.8								4.9	9.7
ENE	.1	.2	2.4	1.5								4.2	9.4
E		.9	1.3	1.7	.1							4.0	10.3
ESE	.1	.1	.7	.8	.3							2.1	11.0
SE	.2	.2	1.1	1.4								3.0	9.6
SSE	.5	.7	1.3	1.1								3.7	7.8
S	.6	.7	3.0	2.6	.5							7.3	9.9
SSW	.7	.8	2.3	4.5	1.5	.5						10.0	12.4
SW	.5	.2	1.6	3.2	.6	.1						6.2	11.5
WSW	.2	1.7	2.4	2.9	.2							7.4	9.4
W	.7	1.5	4.2	6.5	1.3	.2						14.4	11.1
WNW	.2	1.4	2.6	5.3	.5	.2						10.2	11.1
NW	.1	.6	1.7	1.7	.2							4.4	10.0
NNW	.1	1.1	1.4	1.6	.1							3.8	8.8
VARBL												.7	
CALM													
	4.7	15.6	33.9	33.5	5.6	1.0						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

873

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 10480 USCOMBE DOWN UN STATION NAME 77-92 YEARS JUN NORTH
CLASS ALL WEATHER 1800-2000 HOURS (LST)
CONDITION

SPEED KNOTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.7	2.3	.9								6.3	7.3
NNE	.2	1.7	2.3	1.1	.5							5.6	8.4
NE	.3	1.1	3.1	1.5								5.6	8.5
ENE		.5	1.3	.9								2.7	9.2
E	.6	.5	1.3	2.2	.2							4.7	9.4
ESE		.7	1.1	.6								1.7	9.7
SE	.2	.5	.9	.5								2.4	8.5
SSE	.2	1.7	1.1	.1								2.5	7.5
S	.9	1.1	5.1	1.8								8.9	8.1
SSW	.5	1.6	4.2	2.6	.6	.1						8.6	9.4
SW	.1	.2	2.8	2.5	.2	.3						8.3	11.1
WSW	.3	1.3	2.7	1.6								5.5	8.4
W	.8	3.3	6.3	4.4	.3							10.1	6.9
WNW	.8	2.4	3.8	4.6	.1	.1						1.7	9.2
NW	.3	1.4	1.9	1.6	.2							5.5	8.9
NNW	.6	.9	1.1	.6								3.2	7.1
VARBL													
CALM												1.0	
	5.4	21.2	41.9	27.0	1.9	.6						10.3	8.7

TOTAL NUMBER OF OBSERVATIONS 673

JOINT CLIMATEOLOGY BRANCH
C-4212AC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

746	0800CMBE DOWN UK	73-82	JUN
STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		100-2000
	CLASS		MOORE H. S. T.
	CONDITION		

[illegible]

TOTAL NUMBER OF OBSERVATIONS 571

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 345 BOSCOMBE DOWN JF
 STATION NAME

73-82

YEARS

JUN
 MONTH

ALL WEATHER

CLASS

ALL

HOURS

CONDITION

SPEED KNOTS C.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.3	2.6	1.2	.1							7.2	7.1
NNE	.4	1.4	2.3	1.2	.1							3.3	8.2
NE	.3	.9	2.2	1.5	.5							4.3	6.2
ENE	.3	.5	1.7	1.6	.1							4.1	5.3
E	.7	1.3	2.4	1.7	.2							6.1	8.6
ESE	.3	.7	.8	.5	.1							2.4	7.7
SE	.5	.7	1.5	.7	.1							2.9	5.1
SSE	.3	.3	.9	.4	.0							2.5	7.1
S	.7	2.2	3.8	1.6	.1							5.5	5.0
SSW	.4	1.5	2.8	2.5	.6	.3						7.5	10.3
SW	.3	1.5	2.2	1.6	.3	.1						5.5	7.4
WSW	.4	2.7	2.8	1.4	.5							5.5	8.1
W	1.1	3.1	4.8	3.8	.5	.5						13.3	5.8
WNW	1.2	2.8	2.4	2.4	.2	.1						9.2	8.1
NW	1.1	2.1	1.6	1.1	.1							5.5	7.1
NNW	.6	1.2	1.4	.7	.1							4.3	7.4
VARBL												4.7	
CALM													
	9.4	24.4	35.5	22.3	2.3	.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

967

CLIMATE CLIMATOLOGY BRANCH
 1. WEATHER SERVICE AFAC

SURFACE WINDS

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

STATION NAME

STATION NAME

77-80

YEARS

MONTH

MONTH

ALL WEATHER

CLASS

HOURS PER DAY

CONDITION

WIND DIRECTION	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	1	3.5	1.7									5.4	5.4
NNE		1.7	1.0	.3								1.7	5.4
NE	.7	1.1	2.0	.3								4.4	7.3
ENE	.3	.7	.8	1.7	.1							2.2	9.3
E	.1	1.7	1.7	1.5	.5	.1						4.7	10.3
ESE	.7	.7	.4									1.3	5.4
SE	.2	.7	.7									1.2	4.7
SSE	.7	.4										.3	5.4
S	.9	2.0	3.5	.8								7.1	7.3
SSW		1.7	3.3	1.8								7.0	8.5
SW		1.7	3.6	1.1	.2							1.5	8.5
WSW	1.3	5.5	4.1	.9								6.2	6.7
W	1.7	6.4	4.6	.3								13.7	6.1
WNW	1.6	5.7	2.2	.2								11.7	5.5
NW	1.7	7.0	1.5		.1							1.5	5.5
NNW	1.7	6.5	1.3	.1								4.7	5.5
VARBL													
CALM												10.5	
	13.0	34.7	20.1	7.4	.7	.1						20.1	6.0

TOTAL NUMBER OF OBSERVATIONS

896

REMARKS: (1) WIND DIRECTION AND SPEED ARE IN KNOTS
 (2) WIND DIRECTION IS IN DEGREES TRUE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION NAME: USCOMB BOWEN UK STATION NAME: 73-82
CLASS: ALL WEATHER
MONTH: JUL
YEAR: 63-64
HOURS: 1-24
CONDITION:

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.3	2.8	.7								6.9	6.7
NNE	.5	1.5	1.6	.7								4.3	7.5
NE	.7	.7	2.4	1.5		.1						5.5	9.7
ENE	.7	.6	.7	1.5	.3							3.4	9.8
E	.7	1.5	2.2	1.5	.1							5.9	8.1
ESE	.3	.3	.7									1.2	6.5
SE		.7	.1	.1								.5	6.4
SSE	.6	.3	.2	.2								2.3	5.3
S	.7	1.7	2.7	.9	.1	.1						6.2	7.9
SSW	.6	1.2	2.2	2.4	.3							6.7	9.3
SW		.9	2.6	3.8	.1							6.5	10.1
WSW		1.6	4.5	1.0								6.6	8.1
W	1.4	3.7	4.8	1.9								11.8	7.3
WNW	3.6	3.1	3.5	1.7	.1							11.5	6.2
NW	3.8	2.9	1.1	.8								7.5	5.2
NNW	1.4	1.3	2.5	1.4	.1							6.5	7.2
VARBL												7.5	
CALM													
	14.3	24.7	33.4	19.1	1.2	.2						175.3	7.5

TOTAL NUMBER OF OBSERVATIONS

861

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 340 00500MB5 DOWN UN 73-82 JUL NORTH
STATION NAME STATION NUMBER YEARS
ALL WEATHER CLASS 1900-1900 HOURS U.T.
CONDITION

SPEED KNOTS D.P.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	3.0	4.2	1.7								4.7	7.7
NNE		1.4	1.3	1.6								4.5	6.8
NE	.2	.3	1.9	1.3								2.8	9.3
ENE	.4	.5	1.7	1.4	.6	.2						5.1	10.3
E	.6	1.8	2.1	.8								5.2	7.5
ESE	.4	.7	1.0	.3								2.7	7.0
SE	.2	.3	.1	.6								1.2	6.5
SSE	.4	.2	.5	.4								1.7	7.4
S	.7	.9	2.1	1.8	.1							5.6	9.0
SSW	.6	.7	2.2	2.8	.8							7.0	10.6
SW	.6	.7	2.2	3.5	.3							6.9	10.1
WSW	.4	1.4	3.5	3.2	.2							8.8	9.5
W	1.0	3.3	6.6	6.5								16.6	9.1
WNW	.6	1.9	3.8	2.4	.3							9.5	7.1
NW	.2	1.3	2.2	1.8	.1							5.7	9.2
NNW	.3	.9	2.0	1.7	.1	.1						5.1	6.5
VARBL													
CALM												1.0	
	7.5	19.3	37.5	31.3	2.6	.3						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 896

CLERICAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 346 BOYCOMBE DOWN DR STATION NAME 73-32 YEARS JUL MONTH 1950-1950 HOURS 11 5 Y CLASS ALL WEATHER CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.3	3.2	1.5								7.5	7.8
NNE	.3	1.3	2.1	.9								4.5	8.3
NE		.5	1.5	2.1	.2							4.2	10.7
ENE	.2	.5	1.5	1.8	.2							4.2	10.6
E	.1	1.1	2.4	1.5	.1							4.5	8.7
ESE	.3	.5	.3	.6	.1							1.6	8.6
SE	.5	.2	.3	.8								1.8	8.6
SSE	.6	.1	.3	.6								1.5	7.3
S	.5	.5	2.2	2.1	.2							8.1	9.2
SSW	.5	.3	1.4	3.0	1.8							7.0	12.3
SW	.1	.1	1.1	4.7	.9							7.0	12.0
WSW	.5	.7	3.2	2.4	.5							7.2	9.8
W	.7	3.1	7.5	9.6	.6							21.5	10.1
WNW	.5	1.5	3.3	2.9	.5							8.6	9.5
NW	.1	1.5	2.5	1.0								5.2	8.4
NNW	.2	1.6	1.3	2.5	.3							6.0	9.5
VARBL												.9	
CALM													
	6.3	15.5	34.2	37.5	5.5							100.1	9.7

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 17401 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JUL MONTH 1500-1700 HOURS LST
ALL WEATHER CLASS
CONDITION

SPEED (KNOTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	3.8	1.8	.1							7.2	8.9
NNE	.1	.7	2.2	.8								3.8	6.4
NE	.2	.6	1.4	2.4								4.7	10.1
ENE	.2	.7	1.2	1.8	.2							3.7	10.7
E	.7	.4	.9	1.3	.1							3.4	8.8
ESE	.1	.2	.7	.6								1.5	8.9
SE	.7	.1	.6	.1								1.0	6.6
SSE		.6	1.6	.9								3.3	9.3
S	.7	.6	3.0	3.1								7.3	9.4
SSW	.2	.4	1.7	3.0	1.9							9.2	13.2
SW	.3	.4	.8	3.0	1.7	.1						6.3	13.3
WSW	.1	.9	2.8	2.7								6.4	9.6
W	.9	1.6	5.9	12.4	1.7							21.8	11.3
WNW	.3	1.6	3.2	5.0	.2							10.3	10.1
NW		1.1	1.6	1.4								4.1	9.1
NNW	.2	1.2	3.0	.7	.2							5.3	8.3
VARBL												.9	
CALM													
	4.4	12.4	34.2	43.0	5.4	.1						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 921

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION 1437 BOSCOMBE DOWN UK

73-82

JUL
MONTH

STATION

STATION NAME

YEARS

ALL WEATHER

CLASS

1800-1800

HOURLY OBS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-46	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.5	1.5	1.4								5.1	7.5
NNE	.5	1.5	2.3	.7								4.2	7.9
NE	.2	1.5	2.8	1.1								5.6	8.5
ENE	.1	.3	1.2	.5	.1							2.1	6.9
E	.2	.7	1.5	1.1	.7							3.3	6.4
ESE	.2	.5										.7	2.8
SE		.7	.3									.8	2.2
SSE	.1	1.5	1.2	.2								2.6	7.2
S	.3	1.5	3.2	1.2								5.2	8.1
SSW		.7	3.7	4.2	.7							7.3	11.3
SW	.3	.8	2.5	2.7	1.2							7.6	11.1
WSW	.2	1.4	1.8	1.8	.1							5.3	8.6
W	.9	4.1	9.6	7.6	.3							22.5	9.2
WNW	.7	3.1	4.2	2.9	.1							11.7	8.2
NW	.2	1.4	3.1	.7								5.3	6.9
NNW		1.4	1.2	.5								3.1	7.4
VARBL													
CALM												1.8	
	4.3	21.9	42.5	25.6	2.9							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

685

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 73-82 BOSCOMBE DOWN UK STATION NAME 73-82 YEARS JUL 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	.2	2.5	2.1	.2								5.9
NNE	.4	1.7	1.2	.1								3.5
NE	.1	1.2	2.5	1.3								5.6
ENE	.2	.7	1.3	.3	.1							2.7
E	.3	.5	1.6	.9	.2							3.6
ESE	.2	.4	.7									1.3
SE	.7	.4	.4									4.6
SSE	.1	1.5	.6									1.7
S	.9	2.6	3.5	.9								7.8
SSW	.9	1.2	3.9	1.8	.2							7.0
SW	.3	1.5	3.4	1.7	.4							7.6
WSW	.6	3.5	2.5	.4								7.2
W	1.9	9.3	6.7	1.3								10.3
WNW	1.5	7.2	3.7									12.3
NW	.7	2.4	1.2									4.3
NNW	.6	1.1	1.0	.1								3.0
VARBL												5.7
CALM												
	10.5	36.8	36.7	9.2	1.0							100.0

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WHAC

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

SURFACE WINDS

STATION 107401 LOSCOMBE DOWN UK STATION NAME 73-82 YEARS
CLASS ALL WEATHER
CONDITION

JUL
MONTH
ALL
HOURS 1800

SPEED KNTS. DIR	1 - 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	2.6	2.6	.9	.5							6.5	7.1
NNE	.3	1.3	1.6	.7	.5							3.9	7.6
NE	.3	.5	2.1	1.3	.5	.5						4.6	8.8
ENE	.3	.5	1.2	1.2	.2	.5						3.3	8.8
E	.4	1.2	1.8	1.1	.2	.5						4.7	8.8
ESE	.3	.5	.5	.2	.5							1.5	6.7
SE	.3	.3	.3	.2								1.0	5.5
SSE	.3	.5	.7	.3								1.9	7.5
S	.7	1.6	3.5	1.4	.1	.5						6.8	8.2
SSW	.5	.5	2.6	2.9	.7							7.6	10.4
SW	.2	.9	2.4	2.6	.6	.5						6.8	10.5
WSW	.5	1.0	3.2	1.7	.1							7.4	8.1
W	1.2	4.3	6.3	5.7	.2							17.1	8.6
WNW	1.8	3.8	3.1	1.9	.2							10.9	7.1
NW	1.2	2.2	1.8	.7	.5							5.9	6.6
NNW	.7	1.5	1.6	.9	.1	.5						4.8	7.4
VARBL													
CALM												4.9	
	9.8	24.9	34.8	23.0	2.5	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7128

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION NAME: ROSCOMBE DOWN UK
CLASS: ALL WEATHER
MONTH: 000-000
YEARS: 1971

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.2	2.1	.2								5.6	5.9
NNE	.8	1.6	.3	.1								2.9	5.2
NE	.1	.7	.8	.5								2.1	5.2
ENE	.6	.8	1.8	1.1								4.3	7.9
E	.6	2.1	4.7	7.4								9.7	6.3
ESE	.7	.9	.3									1.9	4.5
SE	.3	.3	.3									1.3	5.1
SSE	.2	1.1	.6									1.9	5.6
S	1.0	1.8	3.8	1.0	.2	.1						3.0	7.7
SSW	.3	1.3	2.2	2.5	.2	.2						6.7	9.2
SW	.9	.7	1.9	1.3	.1	.1						5.2	9.1
WSW	1.1	2.5	2.2	.8	.1							6.7	6.8
W	1.3	2.4	3.4	1.4								8.4	7.1
WNW	4.6	4.8	1.0	.3								10.7	4.4
NW	3.1	2.5	1.1	.3								7.1	4.4
NNW	.7	1.6	1.1	.1								3.5	5.9
VARBL													
CALM												14.1	
	17.4	27.3	27.7	12.1	.7	.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 877

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7740 BOSCOMBE DOWN UP STATION NAME 73-82 YEARS MONTH AUG
CLASS ALL WEATHER MONTH 000
CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.3	1.1	.2								4.7	5.6
NNE	.2	.5	.6	.4								2.1	7.1
NE	.3	.6	1.1	.2								2.2	6.9
ENE	.9	.5	2.2	.3								4.3	6.1
E	.7	2.7	3.5	2.9								2.7	6.5
ESE	.3	.5	.4	.1	.1							1.0	5.5
SE	1.0	.3	.4									1.6	4.1
SSE	.7	.5	.4									2.0	5.7
S	.6	2.1	4.3	.9	.6	.1						4.0	6.5
SSW	.3	1.1	1.8	1.2	.4	.2						6.1	10.3
SW	.6	.4	1.6	1.0	.1							3.7	6.5
WSW	.9	2.3	2.7	.6	.1							6.5	6.8
W	1.6	4.3	2.1	1.2	.3							6.6	6.8
WNW	3.4	3.1	.9	.2								7.6	4.3
NW	4.7	2.4	.3	.6								6.0	4.0
NNW	2.0	2.5	1.0	.3								5.9	5.0
VARBL													
CALM												16.1	
	19.0	27.5	24.1	11.3	1.7	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 973

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1407 OS COMBE DOWN UK STATION NAME 73-82 YEARS MONTH 6-10-1000 HOURS 1-10-1000

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	1.1	3.5	2.7	.3								7.9	5.9
NNE	.2	1.5	.7	.9								2.8	6.2
NE	.5	.9	.6	.7								2.4	7.9
ENE	1.6	.6	2.3	1.3								5.1	8.1
E	.6	1.7	3.6	3.5								9.6	8.0
ESE	1.1	.7	.3	.2								2.8	4.7
SE	.3	.7	.2	.3								1.5	6.6
SSE	.7	.5	.6									1.3	6.3
S	1.3	2.2	2.2	.8								8.4	6.6
SSW	.5	1.1	2.9	2.7	.3	.2	.1					7.9	10.6
SW	.3	.5	2.2	1.0	.6	.3						4.5	10.8
WSW	.8	2.2	2.4	.9								6.3	7.2
W	2.7	3.9	3.4	.6								10.6	5.8
WNW	4.9	2.5	1.3	1.1								9.8	4.9
NW	3.5	2.4	1.5	.7								8.1	5.1
NNW	1.4	1.9	.7	.3								4.3	5.5
VARBL													
CALM												8.7	
	20.5	26.2	27.4	15.6	.9	.6	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 3742 ROSSCOMBE DOWN UK STATION NAME 73-82 YEARS AU MONTH 7-10-1100
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	1.0	3.6	1.0								7.1	7.5
NNE	.2	.7	1.9	1.0								4.1	6.5
NE	.1	.7	.9	.7	.1							2.4	5.7
NNE	.7	.7	2.1	3.4	.1							6.2	9.3
E	.7	2.3	3.6	2.8	.1							9.4	8.4
ESE	.7	.7	1.3	1.3	.2							3.9	9.0
SE	.1	.4	1.0	.4	.4							2.4	10.4
SSE	.4	.7	.4	.4								2.0	7.5
S	.4	.5	2.8	.9	.1							5.1	8.3
SSW	.6	.3	2.6	2.1	1.3	.7						7.1	11.4
SW	.3	.7	2.0	1.9	.7	.1	.2					5.9	11.6
WSW	.3	1.6	3.4	2.0	.1							7.9	8.9
W	1.1	2.9	4.7	3.6	.2	.1						12.5	8.7
WNW	1.0	3.7	3.7	3.9	.1							11.7	8.6
NW	.8	2.5	1.1	1.1								5.5	6.9
NNW	.6	1.8	1.6	1.4								5.5	7.6
VARBL													
CALM												1.6	
	3.5	22.7	36.5	27.0	3.6	.4	.2					17.3	8.7

TOTAL NUMBER OF OBSERVATIONS 901

2

GLOBAL CLIMATOLOGY BRANCH
UCAPETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 7465 SOURCE DOWN UK STATION NAME 73-82
CLASS ALL WEATHER
CONDITION
ELEVATION 1000-1400
HOURS 1-24

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.5	3.2	.6								4.7	7.2
NNE	.1	.2	.6	1.2								2.7	9.5
NE		.2	.9	.3	.1							2.2	10.3
ENE		.3	2.4	1.1								4.3	10.1
E	.5	.7	2.4	3.1	.4							7.1	10.5
ESE	.3	1.1	1.3	.3	.1							4.1	8.7
SE	.3	.5	1.2	1.3	.1							3.7	9.4
SSE	.6	.7	1.7	1.7								3.9	8.1
S	.2	1.1	2.1	3.2	.3							6.9	10.4
SSW	.2	1.3	1.5	2.6	1.6	.4						7.7	12.4
SW	.1	.6	1.5	3.4	1.2	.3						7.1	13.5
WSW	.7	1.2	2.6	2.4	.2							7.7	6.8
W	.2	1.7	5.4	6.8	.4	.1						14.7	10.4
WNW	.4	1.6	3.1	3.0	.6	.1						7.9	9.5
NW	.3	1.2	3.1	1.2	.1	.2						6.2	8.9
NNW	.4	1.8	2.8	1.0								5.2	7.7
VARBL													
CALM												.9	
	5.0	19.5	35.6	32.6	5.0	1.2						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 893

UCAPETAC FORM 10-64 (Rev. 10-64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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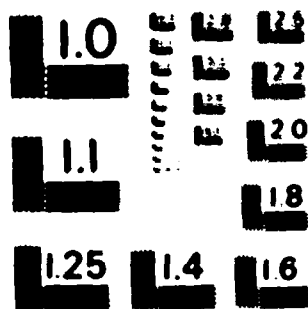
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2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION
3740

STATION NAME
BOSCOMBE DOWN UK

YEARS
73-82

MONTH
AUG

ALL WEATHER

1500-1700
HOURS (LST)

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	1.8	1.2	.5								4.3	6.4
NNE	.3	1.5	1.7	.6	.1							4.2	7.6
NE	.3	1.2	1.7	.3								3.6	7.4
NNE	.3	.3	1.5	1.8								4.3	9.4
E	.6	.8	2.4	1.7	.1							5.5	8.7
ESE	.7	.2	.6	1.1	.1							2.7	8.5
SE	.2	.2	.7	.7								1.8	9.1
SSE	.2	.3	1.5	2.5	.1							4.6	10.2
S	.3	1.5	2.7	2.5	.2							6.8	9.8
SSW	.1	.8	2.0	4.9	1.4	.1						9.3	12.6
SW	.3	.8	2.3	4.3	1.5	.5						9.6	12.3
WSW		1.4	1.8	1.9	.1							5.2	9.3
W	.3	1.7	4.9	7.0	1.2							15.1	10.8
WNW	.6	1.5	2.8	3.4	.7							8.9	10.1
NW	.7	2.3	2.9	1.0	.5							7.3	8.1
NNW	.7	2.3	2.5	.6	.1							6.1	7.3
VARBL												1.0	
CALM													
	6.5	18.1	33.1	34.7	6.1	.6						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

886

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

037460

BOSCOMBE DOWN UK

73-82

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

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	3.3	1.4	.7								5.9	6.5
NNE	.5	1.2	.3	.1								2.2	5.4
NE	.1	1.1	1.8	.6								3.6	7.7
ENE	.5	1.5	1.9	.2								4.1	6.6
E	.9	1.6	1.6	1.4								5.5	7.4
ESE	.1	.3	.7	.2								1.4	7.5
SE	.7	.3	1.0	.5								2.5	6.8
SSE	.2	1.5	1.0	.5		.1						3.3	7.3
S	1.2	2.8	5.1	1.0	.1	.1						10.5	7.4
SSW	.1	1.7	5.0	4.2	.9							11.9	10.3
SW	.1	1.1	2.5	2.6	.5	.2	.1					7.2	11.3
WSW		3.5	2.3	.9								6.7	7.3
W	.5	2.8	5.1	4.3	.1							12.8	9.0
WNW	.8	3.4	3.2	2.8	.1							10.3	8.2
NW	.3	2.7	2.2	1.1								6.4	7.5
NNW	.7	1.1	.5	.3								2.6	5.8
VARBL													
CALM												3.2	
	7.3	30.2	35.6	21.5	1.7	.5	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

880

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

037467
STATION

BOSCOMBE DOWN UK
STATION NAME

73-82
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	1.3	.3								5.0	5.9
NNE	.3	.8	.4	.1								1.7	5.6
NE	.1	.6	.9	.8								2.4	9.0
ENE	.2	.8	1.7	.6								3.2	7.8
E	.7	2.9	2.7	2.4								8.6	8.2
ESE	.2	.9	.6	.1	.1							1.9	6.8
SE	.2	.9	.3	.2								1.7	6.1
SSE	.7	1.3	.6									2.6	5.2
S	.9	3.6	3.9	.8	.1							9.3	6.9
SSW	.6	2.2	3.6	2.8	.2		.1					9.5	9.0
SW	.6	1.5	2.9	1.7	.4	.1	.2					7.4	9.6
WSW	.9	3.0	2.8	.7								7.4	6.5
W	2.4	3.8	3.4	2.0								11.5	6.7
WNW	3.8	5.5	2.2	.6								12.1	5.0
NW	1.8	2.9	1.0	.3								6.0	5.1
NNW	.9	2.0	.7									3.6	5.2
VARBL													
CALM												6.0	
	14.9	35.4	29.0	13.3	.9	.1	.3					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

893

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

37467 BOSCOMBE DOWN UK
STATION

73-82

ALL WEATHER

80E
80W
ALL
80E-80W

SPEED KNTS/ DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	55-64	%	Avg Wind Speed
N	.8	2.5	2.1	.5								5.8	6.4
NNE	.3	1.1	.8	.6	.0							2.8	7.3
NE	.2	.8	1.1	.3	.5							2.6	6.5
ENE	.5	.8	2.0	1.1	.5							4.4	6.7
E	.7	1.9	3.1	2.5	.1							6.2	8.5
ESE	.5	.7	.7	.6	.1							2.5	7.4
SE	.4	.5	.7	.6	.1							2.1	7.7
SSE	.4	.6	.8	.5	.5							2.7	7.6
S	.7	1.9	3.3	1.4	.2	.5						7.6	8.1
SSW	.3	1.2	2.7	3.0	.8	.2	.5					8.3	10.0
SW	.4	.8	2.1	2.1	.6	.7	.1					6.4	11.1
WSW	.6	2.3	2.5	1.3	.1							6.8	7.7
W	1.3	2.9	4.0	3.4	.3	.5						11.0	8.6
WNW	2.4	3.2	2.3	1.8	.2	.0						9.9	6.6
NW	1.9	2.4	1.6	.8	.1	.5						6.8	6.2
NNW	.9	1.9	1.4	.5	.0							6.7	6.6
VARBL													
CALM												6.4	
	12.4	25.8	31.1	21.0	2.6	.6	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

7111

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

78-02

ALL INFORMATION

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TOTAL NUMBER OF OBSERVATIONS 663

2 JOURNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

1961 20 COMB DOWN UP
STATION NAME

73-02

ALL WEATHER

SLP
0100-0500
0000-1100

WIND SPEED D.F.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	%	MEAN WIND SPEED
N	1.2	7.3	1.3	.7	.7	.1																			5.7	6.8
NNE	.3	.1	.4	.7																					1.2	7.9
NW	.7	.7	.6																						1.2	5.6
ENE	.6	.5	.4	.2																					1.0	5.9
E	.7	1.7	3.7	1.6																					6.0	6.3
ESE	.6	1.5	1.1	.9																					6.2	7.8
SE	.6	1.7	1.7	.3																					5.0	6.6
SSE	.3	1.1	2.5	.9																					4.6	6.0
S	1.1	3.6	5.3	7.5	.5	.1																			12.7	8.1
SSW	.8	1.4	3.2	7.5	.9	.7																			9.2	10.0
SW	.7	.9	3.6	2.3	.7																				7.5	9.1
WSW	.8	2.7	3.5	7.8	.1																				9.4	8.9
W	1.7	2.7	1.6	.8	.1	.1																			6.8	6.5
WNW	1.9	2.7	.7	.8		.5																			5.7	6.6
NW	2.3	1.6	.5	.6	.1																				5.2	5.3
NNW	1.6	1.1	.6	.3	.1																				3.5	5.1
VARIABLE																										
CALM																									11.1	
	15.3	23.2	30.6	16.6	2.3	.9																			100.2	6.9

TOTAL NUMBER OF OBSERVATIONS

881

USAFETAC FROM DATA SOURCES AND OTHERS FOR THIS REPORT ARE IDENTICAL

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION
07706

STATION NAME
BOSCOMBE DOWN UK

YEARS
73-82

MONTH
SEP

CLASS
ALL WEATHER

HOURLS (LST)
0600-0800

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.7	2.2	.9								5.4	7.4
NNE	.3	1.0	1.0	.3	.1							2.9	7.1
NE	1.0	.2	.5									1.7	4.2
ENE	.6	.2	.8	.7								2.3	7.7
E	1.2	.8	3.0	1.6	.3							6.9	8.4
ESE	.6	.8	1.5	.3								3.2	6.4
SE	.6	1.4	1.8	.9								4.7	7.5
SSE	.7	1.3	2.0	.7	.2	.2						5.1	8.6
S	1.7	3.3	5.0	1.8	.3	.1						12.3	7.6
SSW	.8	1.6	2.8	3.3	.8	.2						9.6	10.4
SW	.9	2.0	1.5	2.4	.5	.1	.1					7.5	9.6
WSW	.5	2.0	2.9	2.6		.1						8.1	8.9
W	1.6	1.2	2.1	1.8	.5							7.1	8.4
WNW	2.9	1.6	.9	.6	.8							6.8	6.5
NW	2.5	1.7	.7	.6								4.8	4.7
NNW	1.7	1.6	.7	.3	.2							3.9	6.1
VARBL													
CALM												7.6	
	17.5	21.8	29.3	19.1	3.8	.8	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

868

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

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

SURFACE WINDS

037460

BOSCOMBE DOWN UK

73-82

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

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	1.6	1.7	1.9	.2							5.8	9.0
NNE	.1	.9	.8	1.1								3.0	8.9
NE	.2	.5	.9	.3								1.9	7.3
ENE	.1	.3	1.0	.7								2.2	8.9
E	.7	1.2	2.5	1.5	.5							6.4	8.9
ESE	.5	1.1	.7	1.0	.2							3.5	9.1
SE	.3	.7	.9	.6	.1							2.6	8.0
SSE	.7	.8	1.6	2.0	.3	.1						5.6	9.8
S	.7	1.7	3.4	3.9	.7	.5						10.8	10.7
SSW	.3	.5	3.1	6.7	1.1	.5						12.2	12.2
SW	.5	.5	.8	2.8	.9	.3	.2					6.0	13.0
WSW	.2	1.0	3.1	5.0	.1							9.4	10.3
W	.9	1.5	3.3	5.2	.8	.6						12.3	11.0
WNW	.8	1.5	1.5	2.4	.8	.2						7.2	10.2
NW	.7	.9	.3	.8	.3							3.1	8.7
NNW	.9	1.6	1.6	1.1	.2	.1						5.6	8.0
VARBL													
CALM												2.6	
	8.0	16.2	27.2	37.2	6.4	2.3	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

880

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 037460 STATION NAME BOSCOMBE DOWN UK YEARS 73-82
CLASS ALL WEATHER
CONDITION
SEPT NORTH
1200-1400
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	1.4	1.8	2.3	.2							6.3	9.1
NNE		.5	.8	.8								2.1	8.9
NE	.1	.5	.7	.1								1.4	7.2
NNE	.3	.3	1.3	.1								2.1	7.1
E	.6	.3	.7	1.8	.1							3.5	9.9
ESE	.2	.8	.8	1.6	.1							3.5	9.8
SE	.3	.3	.9	1.0								2.6	9.0
SSE	.5	1.1	1.1	1.0	.5	.1						4.6	9.8
S	.5	1.1	2.5	6.9	1.1	.2						12.3	11.9
SSW	.2	.7	1.4	6.7	2.5	.9	.3					12.8	14.4
SW	.6	.5	.7	4.7	1.4	.1						7.9	12.8
WSW	.3	1.8	1.8	4.6	.5	.2						9.3	10.5
W	.1	1.4	3.4	7.1	2.1	.3						14.4	12.3
WNW	.5	1.3	2.1	2.3	1.3	.7						8.3	11.8
NW	.2	1.9	1.7	1.6		.1						5.6	8.5
NNW	.2	.7	1.4	.3	.2							2.9	8.7
VARBL													
CALM												.8	
	5.3	14.5	23.1	43.3	9.9	2.7	.3					100.3	11.1

TOTAL NUMBER OF OBSERVATIONS 875

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

137860 BOSCOMBE DOWN UK
STATION STATION NAME

71-81

ALL WEATHER
YEAR

1971-1971
PERIOD

1000 T00

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	54	N	MEAN WIND SPEED
N	.6	1.7	2.4	1.6	.1							5.6	8.6
NNE	.1	.9	.7	.9								2.5	1.7
NE	.1	.3	.6									1.0	6.1
ENE	.2	.7	.6									1.1	6.7
E	.2	.2	1.1	1.3	.2							3.1	10.1
ESE	.3	.3	.5	1.8								3.1	4.9
SE	.5	.2	.9	1.8	.1							3.5	10.7
SSE	.1	.5	1.7	1.5	.1	.3						4.2	11.1
S	.9	.8	4.7	5.8	.9	.3	.1					13.5	11.2
SSW	.1	.5	2.5	5.6	2.7	.5	.1					11.6	13.9
SW		.2	1.5	4.2	2.0	.1	.1					6.2	13.3
WSW	.2	1.6	2.5	7.4		.2						7.0	9.8
W	.6	3.1	4.6	6.4	1.6	.2						15.8	10.6
WNW	.2	1.6	2.3	7.4	1.4	.2						9.1	11.4
NW	.1	1.0	1.6	1.5	.2	.2						4.7	10.1
NNW	.5	1.0	1.3	.2								3.0	6.4
VARBL													
CALM												.7	
	4.9	14.3	28.8	39.4	9.4	2.2	.3					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

879

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

9-000

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

100

TOTAL NUMBER OF OBSERVATIONS

499

USAREPAC 0-0000 0-0000 0-0000 0-0000 0-0000 0-0000 0-0000 0-0000 0-0000 0-0000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

100-443886-100

73-0.

ALL WFAFMED

100-2100

WIND DIRECTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	46
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TOTAL NUMBER OF OBSERVATIONS

679

USAF-AC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AMC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

SURFACE WINDS

STATION
00

ADVISOR: DOWN UP
STATION NAME

73-01

10-00

001

0000-0000
0000-0000

ALL WEATHER
11-00

100-100

SPEED KNOTS DIR	1-3	4-6	7-12	13-16	17-21	22-27	28-33	34-40	41-47	48-55	56-64	%	MEAN WIND SPEED
N	.5	2.2	2.2	.8								2.3	6.6
NNE	.3	.7	1.1	.5								2.6	7.5
NF	.4	.1	.7	.3	.2	.1						1.8	9.8
NNE	.2	.2	1.2	.7								2.6	6.1
E	.6	2.7	5.6	3.3	.1							11.6	6.2
ESE	.7	1.1	1.6	.1								3.3	6.1
SE	.4	2.7	2.6	1.7	.3							7.1	6.8
SSE	1.0	1.3	1.6	1.2								5.1	7.2
S	.8	2.6	3.1	1.8	1.7	.2	.1					9.7	9.4
SSW	.6	1.5	1.6	2.2	.7							5.9	10.3
SW	.2	1.3	2.2	1.1	.4							4.9	9.8
WSW	.9	.5	2.5	2.2	.1							5.5	9.1
W	1.5	2.5	1.6	2.7	.6	.2						8.0	9.6
WNW	2.2	2.6	1.8	1.5	.2							8.4	8.9
NW	1.7	1.6	1.1	1.2								5.4	6.3
NNW	.9	1.6	1.6	1.5								4.7	7.1
VARIABLE												6.4	
CALM													
	12.3	21.9	31.1	21.9	3.8	.5	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

921

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 17450 BOSCOMBE DOWN UK YEARS 77-82 MONTH OCT
STATION NAME CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.4	1.0	.1							4.6	7.7
NNE	.1	.2	.7	.5								1.5	9.7
NE	.1	.4	.3	1.0	.1	.2						2.2	11.6
ENE	.3	.8	.8	.8	.2							2.8	8.8
E	.3	1.3	6.4	3.6	.2							11.9	9.5
ESE		1.2	1.4	.7								3.3	8.2
SE	.9	2.7	1.5	1.9	.4							6.6	8.5
SSE	.8	1.7	1.2	1.0	.1							4.8	7.5
S	1.1	2.4	4.1	1.4	.5	.3						9.9	8.5
SSW	.1	1.1	1.4	2.0	1.1	.2						5.9	11.6
SW	.2	.7	1.2	.3	.8							3.2	10.4
WSW	.5	1.9	1.3	2.4	.1							6.2	8.8
W	1.3	2.1	1.6	1.7	.5	.1						7.4	8.1
WNW	2.1	3.4	1.5	2.1	.5							9.6	7.5
NW	1.7	2.4	1.4	1.2								6.8	6.2
NNW	.7	1.2	1.3	1.7	.1							4.7	8.5
VARBL													
CALM												8.7	
	10.9	24.1	27.3	23.2	4.9	.9						170.0	7.8

TOTAL NUMBER OF OBSERVATIONS 919

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 37467 STATION NAME BOSCOMBE DOWN UK YEARS 73-82 NORTH OCT
CLASS ALL WEATHER HOURS (LST) 3600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	.3	1.2								2.8	8.7
NNE	.5	.9	1.1	.5								3.1	7.4
NE	.5	.2	.5	.7	.4							2.4	9.9
ENE	.4	.7	.9	.8	.1							2.8	8.6
E	1.4	1.7	6.4	2.6	.4							12.6	8.4
ESE	.2	1.4	1.9	1.3								4.8	8.4
SE		.7	2.5	.4			.1					3.7	8.9
SSE	.3	1.2	1.7	1.4	.5	.1						5.3	9.8
S	1.1	2.1	3.5	2.0	.2	.1						8.9	8.2
SSW	.2	1.3	2.2	1.5	1.4	.1						6.8	10.8
SW	.1	.2	2.3	.7	.7	.2						4.1	11.0
WSW	.7	1.2	2.0	1.5	.3							5.7	8.8
W	1.2	1.6	2.9	1.4	.7							7.9	8.3
WNW	1.6	2.6	1.7	2.0	.2							8.2	7.3
NW	3.1	2.1	1.2	.8	.1							7.2	5.2
NNW	.4	1.6	1.6	1.6	.2	.1						5.7	8.9
VARBL													
CALM												8.0	
	12.0	20.7	32.8	20.4	5.3	.7	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

917

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

037460
STATION

BOSCOMBE DOWN UK
STATION NAME

73-82
YEARS

001
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	.7	1.1	1.2	1.8	.2							5.0	9.2
NNE		.2	1.6	.4								2.2	9.0
NE	.3	.4	.7	1.1	.1							2.7	9.3
ENE	.4	.1	.7	1.4								2.7	10.1
E	.7	1.6	3.8	2.5	.9	.1						9.5	9.7
ESE	.9	.9	2.1	2.5	.4							6.9	9.6
SE	.2	.9	.6	1.1	.8							3.5	11.0
SSE	.3	.6	2.5	1.9	.7	.2						6.2	10.9
S	1.3	2.5	3.3	3.4	1.1							11.8	9.5
SSW	.6	.7	1.9	2.3	1.3	.2						7.0	12.1
SW	.3	.4	1.7	2.2	.4							5.1	10.9
WSW	.1	.6	2.2	3.0	.3							6.2	10.8
W	.7	1.0	2.5	2.9	.8							7.9	10.1
WNW	1.4	1.0	1.7	2.9	.4	.2						7.6	9.6
NW	.9	1.0	1.6	2.0	.7							6.1	9.6
NNW	.4	1.9	2.0	2.0	.2							6.5	8.8
VARBL													
CALM												3.1	
	9.3	14.9	29.9	33.6	8.4	.8						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

902

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

037060
STATION

BOSCOMBE DOWN UK
STATION NAME

73-82
YEAR

OCT
MONTH

1977-1982
PERIOD

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	48-53	≥54	%	MEAN WIND SPEED
N	1.0	.8	1.9	2.5	.6							6.7	9.3
NNE	.2	.4	1.2	.9	.2							3.0	9.7
NE		.4	.6	1.2	.1							2.3	10.3
ENE	.4	.4	.4	.8	.7							2.8	10.6
E	.3	.2	2.1	1.9	.3							4.9	10.7
ESE	.1	.4	1.2	1.8	.3	.1						4.0	11.2
SE	.3	.6	3.0	2.1	1.3							7.4	10.8
SSE	.1	.2	2.3	2.2	.4	.2						5.6	11.7
S	.3	.4	2.9	4.7	1.8	.7						10.8	12.7
SSW	.6	.2	2.3	3.2	.9	.7						7.9	12.4
SW	.4	.3	.9	2.6	1.6	.2	.1					6.1	13.5
WSW	.3	.6	2.6	4.4	.2	.1						8.2	10.8
W	.6	1.1	2.2	4.7	.6							9.2	10.8
WNW	.7	.6	1.8	2.7	.7	.2						6.6	10.9
NW	.1	1.1	1.5	2.1	.6	.2						5.6	10.9
NNW	.3	.8	2.8	3.1	.4	.1						7.6	10.6
VARBL													
CALM												1.2	
	5.9	8.7	29.8	40.9	10.7	2.6	.1					170.0	11.1

TOTAL NUMBER OF OBSERVATIONS

895

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

037467 BOSCOMBE DOWN UK

73-82

061

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1500-1700

CLASS

SOURCE

FOOT-FEET

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.3	2.3	2.2	.4							7.3	9.2
NNE	.2	.6	1.3	.3	.1							2.5	6.1
NE		.2	.3	.8								1.3	1.6
ENE	.3	.4	1.2	.8	.3							3.1	6.8
E	.3	1.6	2.2	2.2	.3							6.6	9.5
ESE	.2	.1	1.2	1.7	.7							3.9	12.1
SE	.1	.6	3.1	2.1	.3							6.2	15.2
SSE	.2	.9	2.2	1.1	.3							4.8	9.2
S	.9	1.1	3.3	4.0	2.3	.1						11.7	11.1
SSW	.4	.9	1.4	3.3	1.2	.1						7.6	11.7
SW	.7	.7	1.6	1.9	.9	.2						5.9	12.9
WSW	.1	.3	3.0	2.4	.2							6.6	9.9
W	.2	1.6	3.2	5.0	.3							10.3	15.1
WNW	.7	1.1	1.8	3.4	.3	.1						7.4	10.5
NW	.7	1.5	2.3	1.8	.4	.1						6.9	9.1
NNW	.2	2.3	2.0	.9	.1							5.5	8.5
VARBL													
CALM												2.2	
	5.6	16.4	32.6	34.1	8.4	.7						170.3	9.8

TOTAL NUMBER OF OBSERVATIONS

903

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

077067 BOSCOMBE DOWN UK
STATION

73-82

ALL WEATHER
CLAS

067
0000
1400-2000
0000-1100

SPEED ENTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.1	1.5	1.3								5.7	7.2
NNE	.3	.5	1.5	.3								2.2	7.3
NE	.1	.2	.8	.1								1.2	7.1
ENE	.4	.4	.8	.4	.3							2.4	9.5
E	.3	1.5	3.4	3.1	.2							8.5	9.6
ESE	.4	2.7	2.3	1.4	.6							6.3	8.7
SE	.5	2.1	1.7	1.2								5.6	7.8
SSE	.4	2.4	2.5	.9	.3							6.5	7.9
S	1.5	2.7	4.5	2.1	.9							12.7	8.6
SSW	.4	.4	2.9	2.1	.3	.1						6.7	9.9
SW		.8	2.4	2.5	.4	.1	.1					5.8	10.9
WSW	.4	1.9	3.4	1.4	.1	.2						7.4	8.6
W	1.6	2.1	3.9	2.5								13.1	7.8
WNW	1.3	2.5	2.3	1.3	.1							7.5	6.9
NW	.4	1.2	1.2	.5								3.4	7.1
NNW	.7	1.3	1.3	1.4								4.7	7.7
VARBL												5.1	
CALM													
	9.3	24.4	35.4	22.0	3.2	.4	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107460 BOSCOMBE DOWN UK 73-82 OCT
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	.8	.9	1.8	.8								4.2	7.2
NNE	.2	.9	.4	.3								1.9	6.9
NE	.5	.2	.7	.2	.2							1.9	7.6
ENE	.3	.7	1.6	.9	.4							4.5	9.6
E	.5	1.5	3.6	4.0								9.7	9.2
ESE	.1	1.6	2.7	.5								5.3	8.3
SE	.4	1.3	2.5	1.5	.2							6.3	8.7
SSE	.2	1.4	2.7	1.1	.2							5.7	8.8
S	.4	3.6	3.1	2.3	.3							9.8	8.6
SSW	.8	.8	1.6	1.2	.5	.1						5.3	9.7
SW	1.0	1.1	2.0	1.3	.2	.3						5.9	9.1
WSW	1.0	.3	4.2	1.5	.2							7.2	8.7
W	.8	2.0	3.4	1.2	.4							7.8	8.4
WNW	2.1	2.9	2.0	1.6	.2							8.8	6.8
NW	1.1	1.0	1.5	.8								4.4	6.7
NNW	.4	1.0	1.2	1.2								4.7	7.7
VARBL													
CALM												8.3	
	10.8	22.1	35.1	20.5	3.1	.4						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 911

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 137460 BOSCOMBE DOWN UK STATION NAME YEARS 73-82 OCT NORTH
ALL WEATHER CLASS ALL HOURS (L E T)
CONDITION

SPEED KTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.5	1.6	1.4	.2							5.2	8.2
NNE	.2	.5	1.5	.5	.5							2.4	8.1
NE	.3	.3	.6	.7	.2	.1						2.3	9.6
ENE	.4	.5	.9	.8	.3							2.9	9.3
E	.5	1.4	4.2	2.9	.3	.5						9.4	9.3
ESE	.3	1.1	1.8	1.2	.2	.5						4.7	9.1
SE	.4	1.2	2.2	1.5	.4		.5					5.8	9.3
SSE	.4	1.2	2.1	1.3	.3	.1						5.5	9.2
S	.9	2.2	3.4	2.7	1.0	.2	.5					10.4	9.6
SSW	.4	.8	1.9	2.3	.9	.2						6.6	11.1
SW	.4	.6	1.8	1.5	.7	.1	.5					5.1	10.9
WSW	.5	1.0	2.6	2.3	.2	.5						6.6	9.5
W	.9	1.7	2.7	2.8	.5	.5						8.6	9.2
WNW	1.5	2.1	1.8	2.2	.3	.1						8.3	8.1
NW	1.2	1.5	1.5	1.3	.2	.5						5.7	7.6
NNW	.5	1.6	1.7	1.6	.1	.5						5.5	8.6
VARBL													
CALM												5.6	
	9.5	19.2	31.8	27.0	6.0	.9	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 7284

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	BOSCOMBE DOWN UK	73-82	NOV
STATION NAME		YEARS	MONTH
ALL WEATHER			0000-2359
CLASS			HOURLY (L & T)
CONDITION			

SPEED KNOTS D.R.	1 - 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	1.4	.3	.2							4.1	7.2
NNE	.5	.5	1.2	.7	.1							2.9	6.2
NE			.8	.2	.2							1.2	11.7
NNE	.1	.1	.6	.7								1.5	9.5
E	.5	.7	2.3	1.6	.1							5.1	8.9
ESE	.2	.5	1.6	1.1	.2							3.6	9.4
SE		.7	.8	1.1								2.6	9.5
SSE	.1	1.2	1.5	.3								3.2	7.3
S	.5	2.0	6.0	2.7	.3	.5	.1					13.0	9.5
SSW	.5	.6	3.8	3.7	2.3	.9						11.7	12.8
SW	.1	.5	2.3	2.9	1.7	.3	.2					8.0	13.4
WSW	1.0	1.4	2.7	3.4	.2							8.7	9.1
W	1.1	1.6	2.3	4.3	.9	.6						13.7	10.7
WNW	2.1	2.6	1.9	2.1	.6	.7	.1					10.2	9.1
NW	.9	2.1	.9	.7								4.6	6.5
NNW	.6	.6	.5	.6	.6	.3						3.0	11.2
VARBL													
CALM												5.9	
	9.8	17.3	30.4	26.5	7.4	3.3	.5					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

886

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

174600 20SCOMBE DOWN UK 73-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.2	1.3	.8	.1							3.9	7.9
NNE		.3	.6	.9	.6							2.4	11.6
NE		.6	.4	.9	.1	.1						1.7	13.6
ENE	.2	.3	.9	.7	.1	.1						2.4	9.8
E	.1	.4	2.5	1.7								4.7	9.2
ESE	.4	.2	1.0	.9	.2	.3						3.1	10.4
SE	.1	.7	1.5	.8	.1							3.1	8.8
SSE	.1	1.5	1.3	.2								2.7	7.8
S	.4	2.8	6.2	3.0	.3	.2	.1					13.1	9.2
SSW	.2	.3	3.4	3.8	1.3	.6						9.7	12.5
SW	.6	.4	3.4	2.8	1.6	.7	.1					9.5	12.3
WSW	.7	1.5	3.9	3.5	.4							11.0	9.6
W	1.3	1.2	2.6	3.0	1.0	1.1	.1					13.6	11.8
WNW	2.1	1.9	2.1	1.1	.6	.2						6.1	7.8
NW	1.6	1.3	1.5	1.0	.2							5.6	7.2
NNW	.3	.7	1.0	1.5	.2							3.7	12.2
VARBL													
CALM												5.4	
	8.8	15.1	33.6	26.5	7.0	3.4	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 897

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

10-10-68

▲▲▲▲▲

[illegible]

FOIA b(7)(D) - DISSEMINATION OF INFORMATION

034

1. The first step is to identify the problem. This involves understanding the current situation and what needs to be changed.

U.S. NAVAL CLIMATOLOGY BRANCH
CHAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

100-443887-1000 UN

77-82

4.1

55-210

ALL WEATHER
LUM

100-1772

1502' .0

[illegible]

TOTAL NUMBER OF OBSERVATIONS

699

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 17050 BOSCOMBE DOWN UN STATION NAME 73-82 YEARS NOV
STATION NORTH
ALL WEATHER 1900-2000
CLASS
CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	1.0	.1	.3							4.5	6.4
NNE		.9	.4	.4								1.8	7.8
NE		.2	1.3	.7	.1							2.4	9.7
ENE	.1	.3	.8	.8	.1							2.1	10.2
E		1.1	2.6	1.1	.1							4.9	9.1
ESE	.3	1.1	.7	.2	.3	.2						2.9	9.3
SE	.1	.4	.9	.8								2.2	8.8
SSE	.4	1.3	1.6	.7								4.0	7.1
S	.3	1.7	4.2	2.2	.9	.2	.3					9.9	10.3
SSW	.3	.9	2.6	4.3	2.4	.1						10.6	12.8
SW	.2	.4	3.5	4.0	1.5	.3	.1					10.1	12.7
WSW	.6	1.2	2.7	4.8	.1		.1					9.6	10.2
W	.8	1.9	2.2	4.4	1.2	.8						11.4	11.3
WNW	1.5	3.3	1.9	3.1	.7	.2						10.7	8.9
NW	.9	1.3	1.1	1.1								4.5	7.2
NNW	1.0	1.2	1.2	.8	1.0							5.3	9.1
VARBL													
CALM												2.9	
	7.5	19.8	28.8	29.7	8.8	1.9	.6					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 689

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 73862 BOSCOMBE DOWN UK CLASS ALL WEATHER YEARS 73-82 MONTH NOV
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	.7	1.3	1.1	.3	.3							3.3	7.3
NNE	.3	.5	.9	.6								2.7	7.5
NE	.1	.7	1.1	.7								2.6	8.1
ENE		.1	1.5	.6	.3							2.5	10.9
E		.6	3.6	1.3	.2							5.4	9.4
ESE		.6	.7	.3		.1						1.7	9.2
SE	.1	.3	1.1	1.2		.1						2.9	10.2
SSE	.1	.7	2.3	.7								3.5	8.1
S	.3	1.6	6.7	1.6	.7	.3						11.1	9.4
SSW	.2	.7	3.1	5.3	1.7	.9						11.9	12.9
SW	.1	.6	3.0	4.3	1.3	.2	.1					9.3	12.0
WSW	.6	.8	3.6	3.0	.2	.2						8.4	10.1
W	1.2	1.1	2.2	6.0	1.3	.4						12.4	11.5
WNW	1.7	2.9	2.2	1.9	.4	.2						9.4	8.2
NW	.7	1.1	1.3	.4								3.6	6.7
NNW	1.1	.8	.9	1.0	.7	.1						4.6	9.3
VARBL												4.5	
CALM													
	7.3	14.7	34.8	28.9	7.0	2.6	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 890

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

137407 BOSCOMBE DOWN UK 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
HOURS 11.5.7

SPEED KNTS DIR	1 - 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	1.2	.8	.2	.1						4.2	8.3
NNE	.1	.6	.8	.6	.1							2.2	5.6
NE	.0	.3	.7	.5	.1	.0						1.7	10.1
ENE	.1	.2	.8	.8	.3	.1						2.4	11.2
E	.3	.9	2.1	1.3	.1							4.7	9.7
ESE	.3	.7	.9	.6	.3	.1						2.8	9.7
SE	.3	.7	1.2	.9	.1	.0						3.1	5.9
SSE	.3	.9	1.4	.4	.0							3.0	7.4
S	.4	2.1	4.7	2.7	.7	.4	.1					11.0	10.0
SSW	.4	.7	2.8	4.4	2.0	1.0	.1	.0				11.4	13.4
SW	.3	.5	2.7	3.7	1.5	.7	.1					9.5	13.0
WSW	.5	1.1	3.3	4.0	.4	.7	.0					9.5	10.1
W	1.0	1.4	2.4	4.4	1.2	.8	.0					11.3	11.6
WNW	1.3	2.0	1.7	2.4	1.0	.5	.0					8.9	10.2
NW	1.0	1.4	1.3	1.3	.1	.0						5.1	7.8
NNW	.5	.9	1.6	1.5	.6	.1						5.3	9.9
VARBL													
CALM												4.0	
	7.3	15.7	29.7	30.4	8.8	3.8	.4	.0				100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 7103

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFS WEATHER SERVICE/MAC

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

SURFACE WINDS

1986
STATION

BOSCOMBE DOWN UM

STATION NAME

73-82

YEARS

DEC

MONTH

ALL WEATHER

CLASS

1000-1200

HOURLY

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	1.9	.5	.1							5.2	7.0
NNE	.1	1.0	.7	.3	.2							2.3	8.2
NE	.3	1.2	.7	.9								3.1	8.0
ENE	.2	.1	.2	.9	.1	.1						1.0	12.2
E	.3	1.2	2.6	4.2	.2							6.5	10.2
ESE	.2	.7	1.1	.8	.1							2.8	8.9
SE	.3	.7	.5	.7	.5							2.7	10.3
SSE	.5	.2	.7	.8	1.3	.1						3.3	12.3
S	.5	1.1	3.0	1.6	.5	.3	.1					7.2	10.2
SSW	.2	.3	2.4	3.5	1.5	1.0	.1					9.1	13.6
SW		.8	1.5	3.4	1.7	.9	.2					8.5	14.3
WSW	.4	1.0	3.5	4.7	.4	.3						10.4	11.0
W	1.1	2.0	3.6	4.5	1.1	1.3	.4					13.7	11.5
WNW	2.0	1.7	1.2	1.4	.8	.3						7.4	8.4
NW	1.7	.6	1.7	.9	.1							5.2	6.9
NNW	.4	.8	1.4	1.0								3.6	8.3
VARBL												5.2	
CALM													
	9.5	15.2	26.7	29.9	8.5	4.0	.9					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS

915

USAFETAC

FORM
JUL 84

REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION NAME BOSCOMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

300-5500

CLASS

HOURLY OBS.

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	1.7	1.6								5.1	8.4
NNE	.3	.2	.4	.9	.2							2.1	9.9
NE	.3	.3	.4	.2								1.3	6.3
ENE	.5	.3	1.1	1.5	.3	.1						3.9	10.5
E	.2	1.2	2.4	1.6	.5							8.0	10.2
ESE	.3	.3	.7	1.4	.2							3.0	10.9
SE	.3	.2	.9	1.0	.7	.1						3.2	11.2
SSE	.7	.4	.5	.9	.3	.8						3.6	12.4
S	.5	1.1	3.3	2.0	1.0	.1						8.0	10.2
SSW	.4	.9	2.4	3.2	.9	.5						8.3	11.9
SW	.1	.2	1.4	2.5	1.5	.8	.2					6.8	14.9
WSW	.4	1.7	4.0	4.6	.5	.1						11.5	10.1
W	1.1	2.4	3.1	5.4	1.3	.9		.3				14.4	11.6
WNW	1.2	2.2	1.2	1.5	1.3	.5						8.0	10.2
NW	1.7	1.0	.4	.1	.3							3.5	5.5
NNW	.7	1.1	1.4	1.6	.1							4.9	8.7
VARBL													
CALM												4.4	
	9.5	14.9	25.5	32.0	9.3	3.9	.2	.3				100.0	16.2

TOTAL NUMBER OF OBSERVATIONS

915

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

13746
STATION

BOSCOMBE DOWN UK
STATION NAME

73-82
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1800
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	1.1	1.4	1.6		.1						5.5	6.2
NNE	.2	.7	1.0	.9	.1							2.8	8.7
NE	.2	.7	.2	.2								1.3	6.6
ENE	.2	.5	1.1	1.1	.1	.2						3.3	10.4
E	.1	.5	1.9	4.6	.7							7.8	11.9
ESE	.2	.7	.2	1.5	.8							3.4	12.3
SE	.2	.5	.7	.3	1.1							2.8	11.2
SSE		.1	.5	1.0	.1	.7	.1					2.5	16.5
S	.3	1.2	3.1	2.6	1.2	.5						9.0	11.3
SSW	.3	.9	2.0	3.7	.5	.7						8.1	11.9
SW	.4	.4	2.3	3.7	.9	.3						8.1	12.2
WSW	.4	1.2	3.3	4.6	1.1	.1						10.7	15.9
W	1.4	1.7	3.4	5.3	1.0	1.1						14.0	11.2
WNW	1.9	1.3	1.2	2.8	.4	.4						8.1	9.4
NW	1.4	1.1	.4	.9	.2							4.0	6.9
NNW	.5	.5	1.7	1.6	.2							4.7	9.2
VARBL												4.5	
CALM													
	8.7	13.2	24.3	36.6	8.4	4.1	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION BOSCOMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0900-1100

CLASS

HOURE (L.T.T.)

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.8	.9	1.5	.2							5.1	9.1
NNE		.4	.8	.7								1.8	9.4
NE	.2	.3	.1	.5								1.2	6.0
ENE	.2	.3	1.1	1.6	.4	.3						3.9	12.7
E	.4	.8	1.6	4.5	.3							7.6	10.9
ESE	.1	.2	.3	1.7	.9	.1						2.6	13.9
SE	.3	.3	.8	1.1	1.0	.3						3.7	12.7
SSE	.7	.5	.3	.7	.5	.1						2.8	10.1
S	.5	.9	3.8	2.2	1.7	.9						10.0	12.1
SSW	.2	.9	2.1	3.3	1.3	.4						6.1	12.2
SW	.2	.8	1.8	2.3	1.5	.2						6.3	12.4
WSW	.8	1.2	2.4	5.3	.8	.1						10.5	10.9
W	1.1	1.2	3.3	7.1	1.4	1.2						15.2	12.0
WNW	1.4	.8	1.5	2.3	.5	.8						7.3	10.6
NW	2.0	1.5	.2	.8	.1							4.6	5.6
NNW		.9	1.4	1.8	.1	.2						4.5	10.9
VARBL													
CALM												4.2	
	3.8	12.7	22.4	36.5	10.9	4.6						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

921

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION
37060

STATION NAME
BOSSCOMBE DOWN UK

YEARS
73-82

DEC
NORTH

ALL WEATHER

1200-1400
HOURS (LST)

CLASS

CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.4	1.7	2.3	.3							6.2	9.3
NNE	.2	.4	.8	.7								2.1	8.9
NE	.2	.3	.6	.4		.2						2.2	9.1
ENE	.3	.4	.9	1.8	.3							3.8	10.9
E	.6	.5	1.1	2.9	.2							5.5	9.8
ESE	.4	.1	.3	1.7	.8							3.3	12.5
SE	.2	.3	.7	1.8	.9	.7						4.5	13.9
SSE	.2	.7	.2	.4	.6	.2						2.3	12.4
S	.6	1.3	.9	3.1	2.0	.2	.2					8.7	12.3
SSW	.4	.7	1.5	1.8	2.0	.4						6.9	13.7
SW	.2	.4	1.8	3.0	2.2	.9						8.5	14.5
WSW	.3	.7	2.4	4.1	.6	.1						9.2	11.1
W	1.2	1.1	3.4	7.1	2.2	1.1	.1					16.2	12.4
WNW	1.0	.3	1.5	4.1	1.9	1.5						10.4	13.6
NW	.4	1.3	.8	.8	.6	.1						3.6	9.7
NNW	.8	1.7	.6	2.0								4.3	9.3
VARBL												3.2	
CALM													
	7.6	11.9	19.1	37.8	14.5	5.5	.3					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 808COMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1900-1999

CLASS

HOURLY OBS.

CONDITION

SPEED KTS D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	1.3		.1						5.5	6.1
NNE	.2	.7	.5	.9	.1							2.1	9.1
NE	.7	.5	.7	.5								2.4	6.6
ENE		.7	.7	1.4	.3	.1						3.2	11.4
E	.3	.7	1.5	2.2								4.7	9.6
ESE	.2	.3	.5	1.7	.1							2.9	13.6
SE	.1	.4	1.3	1.5	.4	.4						4.2	12.7
SSE	.1	.3	1.4	1.6	.7	.2						4.4	12.2
S	.5	1.5	1.8	2.7	1.6		.3					8.6	11.7
SSW	.1	.3	2.5	2.3	1.8	.1						7.2	12.5
SW		.8	1.6	3.0	1.6	.9	.2					8.2	14.1
WSW	.3	1.8	3.3	2.3	.4							8.2	9.4
W	.9	1.5	4.4	6.6	1.9	1.8						17.1	12.4
WNW	.8	1.1	2.1	3.7	.4	.1						8.2	10.2
NW	.3	1.4	1.2	1.3	.1							4.4	8.2
NNW	1.0	1.4	1.4	1.4	.2	.1						5.5	6.3
VARBL													
CALM												3.4	
	6.2	14.9	26.7	34.6	9.8	3.9	.5					100.0	12.6

TOTAL NUMBER OF OBSERVATIONS

919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 73-82 DEC 1907-2000
STATION NAME BOSSCOMBE DOWN UK
CLASS ALL WEATHER
CONDITION

SPEED KNOTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	.1	1.7	2.3	.8	.1							8.5	8.3
NNE	.6	.7	.4	.5								2.4	6.6
NE	.4	.5	.3	.3								1.5	6.4
ENE	.7	.1	.2	1.1	.5	.2						2.3	11.6
E	.7	1.2	2.4	2.6	.4	.1						6.9	15.5
ESE	.3	.3	1.5	1.7	.4							3.5	15.5
SE		.5	1.5	1.4	.8	.4						4.7	12.4
SSE	.4	.4	.5	1.3	.9	.2		.1				3.9	12.8
S	.2	1.6	3.5	2.1	1.6	.5	.1					7.7	11.7
SSW		.7	2.1	3.1	1.0	.4	.3					7.5	13.1
SW	.1	.4	2.2	2.5	1.4	.5						7.2	13.4
WSW	.3	2.7	2.7	2.9	.7							9.3	9.4
W	1.5	1.5	3.9	4.7	2.0	1.0	.1					14.1	12.1
WNW	2.1	1.8	1.7	2.5	.1	.2						8.5	5.1
NW	.7	.3	1.3	.7	.3							3.3	8.8
NNW	.4	.4	2.4	1.1	.1	.1						4.9	8.8
VARBL												5.3	
CALM													
	7.7	15.6	28.4	29.5	10.3	3.8	.5	.1				100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 7741 BOUCOMBE DOWN UK

73-P2

STATION

STATION NAME

YEARS

DATE

MONTH

1973-1974

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	1.1	2.7	1.4	.5	.3							5.4	5.6
NNE	.5	.5	.4	.3								1.4	5.7
NE	.1	.5	.2	.5								1.1	5.8
ENE	.1	.4	.4	1.5	.1		.3					2.9	12.9
E	.3	1.3	2.7	3.7	.2							7.6	9.7
ESE	.2	1.7	.4	.4	.3							2.4	10.1
SE	.1	.7	.7	1.8	1.3	.3						5.0	10.3
SSE	.1	.7	1.7	1.7	1.5							5.3	10.9
S	.8	2.1	3.3	1.3	1.7	.1	.1					8.6	9.7
SSW	.1	.7	1.4	3.8	2.3	.4	.2					4.6	14.7
SW	.1	.3	2.2	2.9	1.2	.5						7.3	12.9
WSW	.8	1.7	2.7	4.2	1.7	.7						7.9	10.9
W	1.5	2.7	3.4	4.3	1.7	1.7	.2					14.1	11.5
WNW	1.7	1.7	2.5	1.5	.3	.5						5.4	8.7
NW	.9	1.1	1.8	1.4	.1	.1	.1					5.5	8.9
NNW	.5	.6	1.1	.0								3.3	7.8
VARBL													
CALM													
	9.7	16.3	25.6	29.6	10.3	3.3	1.7					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

422

USAFETAC

FORM 88

1973-1974. PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 ALL WEATHER SERVICE/WHAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 FROM HOURLY OBSERVATIONS

STATION: LOUCOMBE DOWN CA
 STATE: ALABAMA

PERIOD: 78-8

ALL WEATHER

DATE: 11-11-81
 TIME: 11:00
 BY: J. J. J.

SPEED KNOTS DIR	1-3	4-6	7-10	11-13	14-16	17-19	20-22	23-25	26-28	29-31	32-34	35-37	38-40	41-43	44-46	47-49	50-52	53-55	56-58	59-61	62-64	65-67	68-70	71-73	74-76	77-79	80-82	83-85	86-88	89-91	92-94	95-97	98-100	MEAN WIND SPEED
N	.7	1.5	1.8	1.7	.7	.7																											1.5	
NNE	.7	.5	.6	.6	.6	.1																											.5	
N-E	.3	.6	.4	.7	.7	.7																											.5	
ENE	.7	.4	.7	1.6	.3	.1																											.5	
E	.3	1.7	2.7	3.4	.7	.7																											2.1	
ESE	.3	.4	.6	1.7	.4	.7																											.5	
SE	.7	.7	.9	1.2	.4	.7																											.5	
SSE	.3	.4	.7	1.7	.6	.7																											.5	
S	.5	1.4	2.8	2.7	1.3	.3																											.7	
SSA	.7	.5	2.7	3.1	1.4	.7																											.5	
SW	.1	.7	1.9	2.9	1.5	.4																											1.7	
WSW	.5	1.4	3.3	6.1	.7	.1																											1.5	
W	1.2	1.7	3.5	5.6	1.6	1.1																											1.4	
WWW	1.5	1.4	1.6	2.5	.7	.6																											1.5	
NW	1.1	1.7	1.5	.4	.2	.7																											1.5	
NNW	.5	.9	1.4	1.4	.1	.1																											1.5	
VARBL																																	4.4	
CALM																																	4.4	
	.4	14.3	24.8	37.2	10.2	4.1		.4	.1																								170.5	

TOTAL NUMBER OF OBSERVATIONS

733

WAFETAC 11-11-81

U. S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

CENTRAL CLIMATOLOGY BRANCH
WAFB TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 605004605 TOWN DM

73-02

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

15.6	21.9	22.5	24.5	25.5	26.4	27.1	27.8	28.2	28.2	28.2	28.2	28.2	28.6	28.6	29.6
20.1	26.4	27.4	29.7	31.1	32.5	33.4	34.3	34.9	34.9	34.9	34.9	34.9	35.2	35.2	36.2
20.1	26.4	27.4	29.7	31.1	32.5	33.4	34.3	34.9	34.9	34.9	34.9	34.9	35.2	35.2	36.2
20.1	26.4	27.4	29.7	31.1	32.5	33.4	34.3	34.9	34.9	34.9	34.9	34.9	35.2	35.2	36.2
20.2	26.5	27.5	29.6	31.2	32.6	33.5	34.4	35.0	35.0	35.0	35.0	35.0	35.3	35.3	36.3
20.6	27.0	28.0	30.3	31.7	33.0	33.9	35.0	35.5	35.5	35.5	35.5	35.5	35.9	35.9	36.9
21.3	28.3	29.5	32.0	33.4	34.9	35.8	36.9	37.5	37.5	37.5	37.5	37.5	37.8	37.8	38.9
21.7	28.6	29.9	32.6	33.9	35.4	36.3	37.5	38.1	38.1	38.1	38.1	38.1	38.4	38.4	39.4
22.3	29.4	30.5	33.1	34.5	36.0	36.9	38.1	38.6	38.6	38.6	38.6	38.6	39.0	39.0	40.0
22.6	29.6	30.7	33.5	34.9	36.3	37.3	38.4	39.0	39.0	39.0	39.0	39.0	39.3	39.3	40.3
23.0	30.3	31.5	34.3	35.8	37.5	38.5	39.7	40.2	40.2	40.2	40.2	40.2	40.6	40.6	41.6
23.5	31.0	32.5	35.4	37.0	38.9	40.1	41.3	41.8	41.8	41.8	41.8	41.8	42.2	42.2	43.2
24.1	31.8	33.5	36.7	38.3	40.2	41.5	42.7	43.3	43.3	43.3	43.3	43.3	43.7	43.7	44.7
25.0	32.7	34.6	37.8	39.4	41.4	42.6	43.9	44.5	44.5	44.5	44.5	44.5	44.8	44.8	45.8
25.7	33.5	35.4	38.7	40.3	42.3	43.5	44.8	45.4	45.4	45.4	45.4	45.4	45.7	45.7	46.7
26.6	36.9	39.1	43.0	44.7	46.6	47.9	49.5	50.1	50.1	50.1	50.1	50.1	50.4	50.4	51.4
37.7	39.7	42.1	46.2	47.9	49.8	51.2	52.9	53.9	54.1	54.1	54.1	54.1	54.5	54.5	55.5
34.1	43.9	46.7	51.3	53.3	55.2	56.7	58.5	59.5	59.8	59.8	59.8	59.8	60.5	60.5	61.5
35.1	45.0	48.3	52.9	55.0	56.9	58.6	60.5	61.5	61.8	61.8	61.8	61.8	62.5	62.5	63.5
36.5	46.9	50.5	55.3	57.6	59.7	61.4	63.2	64.2	64.6	64.6	64.6	64.6	65.3	65.3	66.3
37.5	50.3	54.4	59.5	62.2	64.3	66.2	68.2	69.3	69.6	69.6	69.6	69.6	70.3	70.3	71.3
37.9	53.0	57.3	62.5	65.1	67.3	69.1	71.4	72.5	72.8	72.8	72.8	72.8	73.5	73.5	74.5
38.4	54.1	58.6	64.1	66.7	69.0	70.9	73.1	74.2	74.5	74.5	74.5	74.5	75.2	75.2	76.2
39.1	55.4	60.3	66.2	68.8	71.2	73.1	75.4	76.5	76.8	76.9	76.9	77.0	77.6	77.6	78.6
39.8	57.3	62.4	68.8	71.8	74.3	76.3	78.7	79.8	80.2	80.3	80.3	80.3	81.0	81.0	82.1
40.5	59.3	65.0	71.5	75.1	77.7	79.8	82.3	83.5	84.0	84.1	84.1	84.2	84.8	84.8	85.8
40.7	59.8	65.6	72.2	76.0	78.6	80.9	83.8	85.0	85.5	85.6	85.6	85.7	86.3	86.3	87.3
40.7	59.9	65.7	72.8	76.8	79.4	81.7	84.6	85.9	86.5	86.6	86.6	86.7	87.3	87.3	88.3
40.7	60.6	66.5	74.4	78.7	81.7	84.0	87.0	88.8	89.4	89.6	89.6	89.7	90.3	90.3	91.3
41.7	60.6	66.6	74.6	79.0	82.4	84.9	88.6	90.6	91.3	91.5	91.5	91.8	92.3	92.3	93.4
40.7	60.6	66.6	74.6	79.0	82.4	85.4	89.4	92.1	93.6	93.9	93.9	94.3	94.9	94.9	95.9
40.7	60.6	66.6	74.6	79.0	82.5	85.5	89.5	92.6	94.2	94.7	94.9	95.3	96.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 875

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17450 BOSCOMBE DOWN UK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-1500

16.5	21.2	27.1	23.5	23.7	24.4	24.8	26.3	26.4	26.5	26.5	26.5	26.5	26.6	26.5	27.8
21.3	27.0	28.4	29.6	30.4	31.4	32.1	33.9	34.1	34.2	34.2	34.2	34.3	34.5	34.5	35.7
21.4	27.1	28.6	29.7	30.5	31.5	32.2	34.0	34.2	34.3	34.3	34.3	34.4	34.7	34.7	35.8
21.6	27.2	29.7	29.8	30.6	31.6	32.3	34.1	34.3	34.4	34.4	34.4	34.5	34.8	34.8	35.9
22.3	27.7	29.1	30.2	31.0	32.1	32.7	34.5	34.8	34.9	34.9	34.9	35.0	35.2	35.2	36.3
22.6	28.3	29.8	30.9	31.7	32.7	33.4	35.2	35.4	35.6	35.6	35.6	35.7	35.9	35.9	37.0
23.4	29.5	31.5	32.2	33.0	34.0	34.7	36.5	36.7	36.8	36.8	36.8	36.9	37.1	37.1	38.3
23.9	30.1	31.7	32.8	33.6	34.7	35.4	37.2	37.5	37.6	37.6	37.6	37.7	37.9	37.9	39.1
24.2	30.4	31.9	33.1	33.9	34.9	35.7	37.5	37.7	37.8	37.8	37.8	37.9	38.1	38.1	39.3
24.5	30.7	32.3	33.4	34.2	35.2	36.0	37.8	38.0	38.1	38.1	38.1	38.3	38.5	38.5	39.6
25.2	31.4	33.0	34.1	34.9	35.9	36.7	38.6	38.8	38.9	38.9	38.9	39.1	39.3	39.3	40.4
26.2	32.6	34.3	35.4	36.5	37.5	38.3	40.2	40.4	40.5	40.5	40.6	40.7	41.0	41.0	42.1
26.5	33.3	35.3	36.5	37.5	38.5	39.3	41.3	41.5	41.5	41.8	41.9	42.0	42.2	42.3	43.6
27.2	34.7	36.7	37.8	38.9	40.0	40.7	42.8	43.0	43.2	43.3	43.5	43.6	43.8	43.9	45.1
27.9	35.7	37.8	39.1	40.2	41.2	42.1	44.1	44.4	44.6	44.7	44.8	44.9	45.1	45.3	46.5
29.8	38.1	40.5	41.9	43.1	44.1	45.1	47.3	47.7	48.0	48.1	48.2	48.3	48.6	48.8	50.0
31.4	40.4	42.8	44.8	46.2	47.2	48.2	50.3	51.0	51.2	51.4	51.5	51.6	51.9	52.0	53.3
34.9	45.3	47.7	50.0	51.5	52.6	53.6	55.8	56.4	56.7	56.8	57.0	57.2	57.7	57.8	59.1
36.6	47.3	50.0	52.5	54.0	55.2	56.2	58.4	59.1	59.4	59.5	59.7	59.9	60.4	60.5	61.9
37.5	49.4	52.6	55.1	56.9	58.5	59.5	61.7	62.6	62.9	63.0	63.2	63.4	63.9	64.0	65.3
40.5	54.9	58.6	61.3	63.2	64.8	65.8	68.1	69.0	69.2	69.3	69.5	69.8	70.2	70.3	71.7
41.8	57.6	61.7	64.7	66.6	68.2	69.2	71.4	72.3	72.6	72.7	72.9	73.1	73.6	73.7	75.2
42.2	58.7	62.9	66.0	68.1	69.6	70.7	72.9	73.8	74.0	74.2	74.4	74.6	75.1	75.2	76.6
43.0	60.4	64.8	68.3	70.5	72.1	73.1	75.5	76.4	76.7	76.9	77.1	77.3	77.8	77.9	79.3
43.5	61.2	65.8	69.6	72.0	73.6	74.6	77.1	78.0	78.4	78.6	78.8	79.0	79.6	79.7	81.2
43.7	63.1	67.9	72.2	74.6	76.3	77.3	79.8	80.9	81.5	81.6	81.8	82.1	82.6	82.7	84.2
43.7	63.2	68.2	72.9	75.5	77.2	78.2	80.8	82.2	82.7	82.8	83.1	83.3	83.9	84.0	85.4
43.7	64.1	69.4	74.5	77.7	79.3	80.4	83.2	84.5	85.2	85.3	85.6	85.8	86.3	86.5	87.9
43.8	64.3	69.8	75.2	78.6	80.6	81.6	84.8	86.3	87.0	87.1	87.4	87.6	88.1	88.3	89.7
43.8	64.3	69.8	75.5	79.0	81.4	82.7	86.1	87.7	88.6	88.7	88.9	89.4	90.1	90.2	91.6
43.8	64.3	69.8	75.5	79.2	81.8	83.6	87.6	89.4	90.6	91.2	91.5	92.2	93.0	93.2	94.9
43.8	64.3	69.8	75.5	79.2	81.9	83.9	87.9	90.0	91.2	92.1	92.6	93.2	94.8	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS

886

USAF ETAC 10-14-82 10-14-82 10-14-82 10-14-82 10-14-82

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

007400 BOSCOMBE DOWN UK

73-62

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1500-1600

15.3	18.7	19.6	20.4	20.6	21.3	21.9	22.2	22.7	22.6	22.6	22.8	23.1	23.4	23.5	24.1
19.1	23.8	24.9	25.9	26.2	27.3	28.2	28.9	29.7	29.5	29.5	29.7	30.0	30.4	30.5	31.2
19.1	23.8	24.9	25.9	26.2	27.3	28.2	28.9	29.7	29.5	29.5	29.7	30.0	30.4	30.5	31.2
19.3	24.0	25.2	26.1	26.4	27.6	28.5	29.1	29.3	29.7	29.7	29.9	30.3	30.6	30.7	31.4
19.4	24.3	25.4	26.3	26.6	27.8	28.7	29.4	29.5	29.9	29.9	30.2	30.5	30.8	31.0	31.6
20.2	25.4	26.5	27.4	27.8	28.9	29.8	30.5	30.6	31.1	31.1	31.3	31.6	32.0	32.1	32.8
21.9	27.2	28.5	29.4	29.7	30.8	31.7	32.4	32.5	33.0	33.0	33.2	33.6	33.9	34.0	34.8
22.3	27.7	29.0	29.9	30.3	31.4	32.3	33.0	33.1	33.6	33.6	33.8	34.1	34.5	34.6	35.4
22.4	28.1	29.5	30.4	30.7	31.9	32.8	33.4	33.6	34.0	34.0	34.2	34.6	34.9	35.0	35.8
22.4	28.1	29.5	30.4	30.7	31.9	32.8	33.4	33.6	34.0	34.0	34.2	34.6	34.9	35.0	35.8
23.1	28.9	30.3	31.2	31.5	32.7	33.6	34.2	34.4	34.8	34.8	35.0	35.4	35.7	35.8	36.6
24.7	31.9	33.4	34.4	34.7	35.8	36.7	37.4	37.6	38.1	38.1	38.3	38.7	39.0	39.1	39.9
25.5	32.9	34.5	35.5	35.9	37.2	38.1	38.9	39.3	39.9	39.9	40.1	40.5	40.8	41.0	42.1
27.1	35.0	36.7	38.1	38.7	39.9	40.8	41.6	42.1	42.6	42.6	42.9	43.2	43.5	43.8	45.0
27.4	35.9	37.6	39.0	39.7	40.9	41.8	42.6	43.4	44.0	44.1	44.3	44.7	45.0	45.2	46.5
29.9	39.1	41.0	42.6	43.5	44.8	45.7	46.5	47.3	48.0	48.1	48.3	48.6	49.0	49.2	50.5
32.4	42.6	44.7	46.8	48.1	49.5	50.5	51.5	52.3	52.9	53.1	53.3	53.7	54.1	54.3	55.6
35.7	46.9	49.4	51.9	53.4	55.1	56.3	57.5	58.5	59.3	59.4	59.6	60.2	60.7	60.9	62.1
36.8	48.9	51.2	53.7	55.2	57.0	58.3	59.6	60.7	61.5	61.6	61.8	62.4	62.8	63.0	64.3
38.5	52.2	55.1	57.6	59.1	61.2	62.5	63.9	65.0	65.8	65.9	66.1	66.7	67.1	67.3	68.6
40.5	56.2	59.8	62.7	64.2	66.4	67.8	69.5	70.5	71.4	71.5	71.8	72.3	72.8	73.0	74.3
41.3	56.7	62.2	65.3	66.8	69.3	70.7	72.6	73.6	74.5	74.6	74.8	75.4	76.0	76.2	77.4
41.6	59.8	63.4	66.4	68.1	70.7	72.2	74.0	75.1	76.0	76.1	76.3	76.9	77.4	77.7	78.9
41.8	60.9	64.7	68.0	69.7	72.6	74.1	76.0	77.0	77.9	78.0	78.2	78.8	79.4	79.6	80.8
42.3	62.2	66.2	69.7	71.4	74.3	75.9	77.8	78.8	79.8	79.9	80.2	80.7	81.3	81.5	82.8
42.5	62.9	66.9	70.6	72.6	75.7	77.4	79.6	80.6	81.6	81.7	82.0	82.5	83.1	83.3	84.6
42.9	63.9	67.9	71.8	73.8	77.0	78.7	80.8	81.9	82.9	83.0	83.2	83.8	84.4	84.6	85.8
42.9	64.3	68.3	72.1	74.5	77.7	79.6	81.9	83.1	84.1	84.2	84.5	85.0	85.6	85.8	87.1
42.9	64.6	68.7	72.8	75.5	79.0	81.0	83.4	84.8	86.1	86.2	86.4	87.0	87.5	87.8	89.0
42.9	64.9	69.0	73.1	76.4	80.2	82.4	85.6	87.2	88.5	88.8	89.0	89.8	90.4	90.6	92.0
42.9	64.9	69.0	73.1	76.8	80.5	82.9	86.7	88.5	90.2	90.5	90.8	92.1	92.6	92.9	94.7
42.9	64.9	69.0	73.1	76.8	80.6	83.0	87.0	89.0	90.8	91.4	91.8	93.5	94.7	95.1	96.0

TOTAL NUMBER OF OBSERVATIONS 682

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

027467 BOSCOMBE DOWN UK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

11.5	15.3	15.8	16.2	16.8	17.1	17.2	17.4	17.6	17.6	17.6	17.6	17.8	17.8	17.9	17.9	19.2
18.1	23.4	24.2	25.1	25.9	26.6	26.8	27.3	27.4	27.5	27.5	27.7	27.7	28.3	28.4	29.9	
18.5	23.7	24.5	25.4	26.2	26.9	27.1	27.6	27.7	27.8	27.8	28.1	28.1	28.6	28.7	30.2	
18.6	23.8	24.6	25.5	26.5	27.1	27.4	27.9	28.1	28.2	28.2	28.4	28.4	29.0	29.1	30.6	
19.3	24.5	25.3	26.2	27.1	27.9	28.2	28.8	29.0	29.1	29.1	29.3	29.3	29.9	30.0	31.5	
20.8	26.5	27.3	28.2	29.1	30.0	30.3	31.0	31.1	31.5	31.5	31.7	31.7	32.3	32.4	33.9	
22.3	28.5	29.3	30.2	31.4	32.3	32.6	33.3	33.4	33.8	33.8	34.0	34.0	34.5	34.7	36.1	
23.0	29.6	30.6	31.5	33.0	33.9	34.2	35.0	35.1	35.5	35.5	35.7	35.7	36.3	36.4	38.0	
23.5	30.1	31.5	32.0	33.5	34.4	34.8	35.6	35.7	36.0	36.0	36.3	36.3	36.8	36.9	38.5	
23.8	30.4	31.4	32.4	33.9	34.8	35.1	35.9	36.0	36.4	36.4	36.6	36.6	37.2	37.3	38.9	
24.2	30.9	31.8	32.8	34.3	35.2	35.6	36.4	36.5	36.8	36.8	37.1	37.1	37.6	37.7	39.3	
26.2	33.5	34.4	35.7	37.2	38.2	38.5	39.3	39.5	39.8	39.8	40.0	40.0	40.6	40.7	42.4	
26.6	35.0	35.9	37.2	38.9	39.9	40.3	41.0	41.2	41.5	41.5	41.7	41.7	42.3	42.4	44.1	
27.3	36.1	37.1	38.5	40.3	41.4	41.7	42.5	42.6	43.0	43.0	43.2	43.2	43.8	43.9	45.7	
28.5	37.9	38.8	40.3	42.0	43.1	43.4	44.4	44.5	45.0	45.0	45.3	45.3	45.8	46.0	47.8	
30.2	40.0	41.2	42.8	44.5	45.6	46.0	46.9	47.0	47.7	47.7	47.9	47.9	48.5	48.6	50.4	
33.4	43.9	44.9	46.8	48.6	49.8	50.4	51.3	51.4	52.1	52.1	52.5	52.7	53.4	53.5	55.3	
38.0	49.9	51.3	53.4	55.3	56.8	57.7	58.8	59.2	60.0	60.1	60.4	60.7	61.5	61.6	63.5	
39.8	52.5	54.0	56.3	58.3	59.7	60.7	61.8	62.1	62.9	63.1	63.4	63.6	64.4	64.5	66.5	
41.4	54.8	56.6	59.1	61.0	62.5	63.5	64.7	65.0	65.9	66.0	66.4	66.7	67.5	67.6	69.6	
43.1	57.5	59.6	62.6	64.8	66.2	67.3	68.5	68.9	70.0	70.1	70.5	70.8	71.6	71.7	73.7	
44.8	59.6	61.8	65.2	67.7	69.3	70.5	71.7	72.1	73.3	73.4	73.8	74.1	74.9	75.0	77.0	
45.2	60.9	63.2	66.6	69.1	70.7	71.9	73.3	73.8	75.0	75.1	75.5	75.8	76.6	76.7	78.7	
45.8	62.9	65.5	69.3	71.9	73.5	74.8	76.2	76.9	78.1	78.2	78.6	78.9	79.7	79.8	81.8	
46.4	64.9	67.7	71.8	74.6	76.3	77.7	79.0	79.7	81.1	81.2	81.5	81.9	82.7	82.8	84.7	
46.5	65.6	68.5	72.9	75.6	77.4	78.8	80.2	81.0	82.6	82.7	83.1	83.5	84.4	84.5	86.4	
46.9	66.1	69.2	73.5	76.4	78.4	79.9	81.4	82.2	83.8	83.9	84.4	84.7	85.6	85.7	87.7	
46.9	66.4	69.7	74.1	77.1	79.1	80.7	82.6	83.5	85.2	85.5	86.0	86.3	87.2	87.5	89.4	
46.9	66.5	69.8	74.5	77.9	79.9	82.0	83.9	85.1	87.0	87.3	87.8	88.1	89.1	89.3	91.2	
46.9	66.6	69.9	74.8	78.2	81.0	83.1	85.4	86.8	88.9	89.4	90.0	90.3	91.2	91.4	93.4	
46.9	66.7	70.0	74.9	78.3	81.2	83.4	86.1	87.9	90.2	90.8	91.4	91.9	93.2	93.6	95.9	
46.9	66.7	70.0	74.9	78.3	81.2	83.4	86.1	87.9	90.2	90.8	91.4	92.1	94.4	95.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 877

USAF ETAC 0014-5 0014-5 PREPARED BY THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

LEND
1950

HOSCOMBE DOWN UP

73-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

13.5	15.7	15.3	16.9	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
20.6	25.3	26.1	26.9	27.4	27.4	27.5	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
20.9	25.3	26.3	27.1	27.8	27.8	27.9	28.3	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
20.3	25.3	26.3	27.1	27.8	27.8	27.9	28.3	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
21.4	25.8	26.9	27.8	28.5	28.5	28.7	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
22.2	27.1	28.1	29.0	29.8	29.9	31.2	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
24.1	29.3	30.5	31.5	32.3	32.5	32.9	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
24.5	30.3	31.5	32.7	33.5	33.6	34.1	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
24.5	30.4	31.7	32.9	33.7	33.8	34.3	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
24.6	30.5	31.8	33.0	33.8	33.9	34.4	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
25.6	31.7	33.0	34.5	35.4	35.5	36.0	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
27.0	33.9	35.3	36.8	37.8	37.9	39.4	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
28.7	36.5	37.9	39.5	40.8	40.9	41.4	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
30.2	38.5	39.9	41.6	42.9	43.0	43.4	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
31.3	40.0	41.4	43.1	44.3	44.6	45.0	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
33.6	42.4	43.8	45.5	46.7	47.0	47.4	48.9	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
36.6	45.7	47.2	49.1	50.5	50.7	51.3	52.9	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
40.5	50.7	52.5	54.6	56.0	56.3	57.0	58.7	59.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
41.7	52.7	54.6	56.9	58.4	58.7	59.4	61.3	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
44.7	56.6	58.5	61.3	62.9	63.3	64.0	65.8	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
48.3	62.4	64.7	68.1	70.2	70.6	71.3	73.1	73.4	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
49.5	64.8	67.1	70.7	72.9	73.4	74.3	76.2	77.0	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
49.7	65.5	67.8	71.7	73.8	74.3	75.2	77.1	78.1	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
50.4	66.6	69.4	73.5	76.1	76.6	77.5	79.4	80.3	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
50.6	67.7	70.7	75.1	77.8	78.4	79.3	81.3	82.2	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
51.1	69.6	72.8	77.3	80.5	81.7	82.7	84.9	85.8	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
51.1	69.9	73.3	77.8	81.0	82.9	84.0	86.3	87.3	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
51.2	70.4	73.9	79.1	83.2	85.1	86.4	89.0	90.1	90.7	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
51.2	70.4	74.4	79.7	84.0	86.1	87.9	90.6	91.8	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
51.2	70.4	74.5	79.8	84.2	86.4	88.3	91.1	92.6	93.4	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
51.2	70.4	74.5	79.9	84.5	86.6	88.6	91.4	93.0	94.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
51.2	70.4	74.5	79.9	84.5	86.6	88.6	91.4	93.0	94.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2

TOTAL NUMBER OF OBSERVATIONS 675

GLOBAL CLIMATOLOGY BRANCH
 CFAFSTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1946-1950 BOSCOMBE DOWN UK

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1500-1700

13.5	17.7	17.3	18.2	18.7	18.8	19.1	19.4	19.5	19.7	19.7	19.7	19.7	19.7	19.7	19.7
24.0	29.8	30.4	31.4	31.9	32.0	32.4	33.1	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
24.7	29.8	30.4	31.4	31.9	32.0	32.4	33.1	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
24.1	29.9	30.6	31.6	32.2	32.3	32.6	33.3	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6
24.6	30.4	31.1	32.3	32.8	33.0	33.3	34.0	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3
25.4	31.6	32.4	33.5	34.1	34.3	34.7	35.3	35.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7
27.0	33.6	34.5	36.1	36.9	37.1	37.6	38.5	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8
27.3	34.0	34.9	36.8	37.6	37.8	38.3	39.2	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5
27.3	34.0	34.9	36.8	37.6	37.8	38.3	39.2	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5
27.5	34.2	35.1	37.0	37.8	38.1	38.5	39.4	39.5	39.8	39.8	39.8	39.8	39.8	39.8	39.8
27.7	34.7	35.6	37.5	38.3	38.5	39.0	39.9	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2
29.3	37.3	38.2	40.4	41.2	41.4	41.9	42.8	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1
30.7	39.0	39.9	42.4	43.1	43.4	43.8	44.8	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2
32.2	40.5	41.8	44.3	45.1	45.3	45.9	47.0	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
33.9	42.6	43.5	46.0	46.8	47.1	47.7	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2
36.4	45.8	46.8	49.3	50.1	50.4	51.1	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5
38.3	48.9	51.4	53.1	53.9	54.4	55.0	56.2	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7
43.4	54.5	57.3	60.2	61.3	61.7	62.4	63.5	63.6	64.1	64.2	64.2	64.2	64.2	64.2	64.2
44.3	57.0	59.7	62.6	63.9	64.3	65.0	66.1	66.4	66.8	66.9	66.9	66.9	66.9	66.9	66.9
45.9	60.1	63.2	66.7	68.3	68.9	69.5	70.8	71.1	71.6	71.7	71.7	71.7	71.7	71.7	71.7
48.8	65.7	68.4	72.3	74.1	74.6	75.4	76.8	77.3	78.0	78.1	78.1	78.1	78.1	78.1	78.1
49.4	66.6	70.0	74.3	76.3	76.9	77.8	79.3	79.8	80.5	80.6	80.6	80.6	80.6	80.6	80.6
49.7	67.5	71.2	75.5	77.7	78.4	79.3	80.7	81.3	82.0	82.1	82.1	82.1	82.1	82.1	82.1
50.1	68.7	72.6	77.3	79.5	80.2	81.1	82.6	83.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0
50.2	70.1	74.1	79.0	81.7	82.6	83.5	85.1	85.7	86.4	86.5	86.5	86.5	86.5	86.5	86.5
50.4	71.2	75.4	80.7	83.5	84.5	85.4	87.1	87.8	88.4	88.6	88.6	88.6	88.6	88.6	88.6
50.4	71.7	75.9	81.4	84.7	86.1	87.1	88.8	89.5	90.1	90.3	90.3	90.3	90.3	90.3	90.3
50.5	72.0	76.3	82.1	85.6	87.1	88.1	90.1	90.9	91.6	91.7	91.7	91.7	91.7	91.7	91.7
50.6	72.4	76.7	82.7	86.5	88.2	89.4	91.8	93.0	93.8	93.9	94.0	94.0	94.0	94.0	94.0
50.6	72.4	76.7	82.8	86.6	88.7	90.1	92.6	94.0	94.9	95.1	95.2	95.2	95.2	95.2	95.2
50.6	72.4	76.7	82.9	86.7	89.0	90.5	93.1	94.5	95.6	95.8	96.0	96.0	96.0	96.0	96.0
50.6	72.4	76.7	82.9	86.7	89.0	90.5	93.1	94.5	95.8	96.0	96.3	96.8	98.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

683

CLIMATE CLIMATOLOGY BRANCH
S. F. TAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

1947 BOSCOMBE DOWN UP

73-27

Jan

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1903-1900

17.2	23.6	24.7	25.3	27.5	27.9	28.7	29.2	29.7	30.0	30.0	30.0	30.1	30.2	30.2	30.4
22.5	31.7	32.7	34.5	36.5	37.4	38.1	38.8	39.4	39.7	39.7	39.7	39.8	40.0	40.0	40.3
22.5	31.7	32.7	34.5	36.5	37.4	38.1	38.8	39.4	39.7	39.7	39.7	39.8	40.0	40.0	40.3
23.7	32.5	33.5	35.6	37.5	38.4	39.2	39.8	40.4	40.7	40.7	40.7	40.9	41.0	41.0	41.3
23.7	33.4	34.7	36.6	38.5	39.4	40.2	40.9	41.4	41.8	41.8	41.8	41.9	42.0	42.0	42.3
24.5	34.9	36.1	38.3	40.2	41.1	42.1	43.0	43.6	43.9	43.9	43.9	44.0	44.1	44.1	44.5
25.1	35.7	36.9	39.1	41.0	41.9	42.9	43.9	44.5	44.8	44.8	44.8	44.9	45.0	45.0	45.4
25.1	35.7	36.9	39.1	41.0	41.9	42.9	43.9	44.5	44.8	44.8	44.8	44.9	45.0	45.0	45.4
25.2	35.9	37.1	39.3	41.2	42.1	43.1	44.1	44.7	45.0	45.0	45.0	45.1	45.3	45.3	45.6
25.2	36.1	37.5	39.6	41.5	42.4	43.5	44.5	45.0	45.4	45.4	45.4	45.5	45.6	45.6	45.9
25.6	37.2	38.8	41.0	42.9	43.9	44.9	46.0	46.6	47.0	47.0	47.0	47.1	47.2	47.2	47.5
26.7	37.7	39.3	41.5	43.7	44.9	45.9	47.1	47.6	48.0	48.0	48.0	48.1	48.2	48.2	48.5
27.2	39.1	40.7	43.0	45.1	46.5	47.5	48.6	49.2	49.5	49.5	49.5	49.7	49.8	49.8	50.1
27.7	39.8	42.7	44.2	46.4	47.7	48.8	49.9	50.5	50.8	50.8	50.8	51.0	51.1	51.1	51.5
29.2	42.4	44.7	47.1	49.3	50.7	51.7	52.8	53.4	53.7	53.7	53.7	54.0	54.1	54.1	54.4
31.3	46.4	49.0	52.0	54.3	55.9	56.9	58.0	58.6	58.9	59.0	59.0	59.3	59.4	59.4	59.7
34.8	51.7	54.7	58.5	60.9	62.8	63.8	64.9	65.5	65.8	66.0	66.0	66.3	66.4	66.4	66.7
35.0	53.4	56.8	60.6	63.2	65.0	66.0	67.3	67.8	68.3	68.5	68.5	68.7	68.8	68.8	69.2
36.6	55.3	59.1	63.8	66.6	68.5	69.5	70.9	71.4	71.9	72.1	72.1	72.3	72.5	72.5	72.8
38.9	59.5	64.0	69.2	72.3	74.6	75.6	77.3	77.7	78.1	78.3	78.3	78.6	78.7	78.7	79.0
39.2	60.4	65.1	70.8	74.2	76.4	77.4	78.9	79.6	80.1	80.4	80.4	80.6	80.7	80.7	81.0
39.4	60.8	65.6	71.3	74.8	77.2	78.2	79.7	80.4	80.9	81.2	81.2	81.4	81.5	81.5	81.8
39.7	61.9	66.8	72.8	76.3	78.8	79.8	81.3	81.9	82.6	82.8	82.8	83.1	83.2	83.2	83.5
39.8	62.6	67.7	73.9	77.7	80.6	81.7	83.3	84.0	84.7	84.9	84.9	85.1	85.2	85.2	85.6
40.2	64.0	69.3	75.3	79.3	82.5	83.6	85.4	86.1	86.9	87.1	87.1	87.4	87.5	87.5	87.8
40.2	64.3	69.7	76.0	80.6	83.7	85.0	87.0	87.7	88.5	88.7	88.7	88.9	89.1	89.1	89.4
40.3	65.0	70.5	77.2	81.8	85.0	86.3	88.9	89.7	90.5	90.7	90.7	91.0	91.2	91.2	91.5
40.4	65.2	70.8	77.9	82.7	85.9	87.4	90.5	91.4	92.3	92.6	92.6	92.9	93.1	93.1	93.5
40.4	65.3	70.9	78.1	83.2	86.7	88.1	91.8	92.9	94.1	94.5	94.5	94.8	95.0	95.0	95.4
40.4	65.3	70.9	78.1	83.2	86.7	88.1	92.2	93.5	95.5	95.8	95.8	96.3	96.6	96.6	97.1
40.4	65.3	70.9	78.1	83.2	86.7	88.1	92.2	93.5	95.6	96.0	96.0	97.0	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS

886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

030450 JCSOMBE DOWN UK

73-67

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

01 000000

16.3	22.5	23.5	24.9	25.6	26.8	27.4	27.9	28.5	28.4	28.8	22.5	25.2	29.6	31.7	31.4
19.5	26.7	28.1	30.7	31.5	32.8	33.4	33.9	34.2	34.7	35.0	35.0	35.1	35.8	36.2	36.1
19.6	26.8	28.2	30.8	31.6	33.0	33.5	34.0	34.3	34.8	35.1	35.1	35.2	35.7	36.4	36.7
19.6	26.8	28.2	30.8	31.6	33.0	33.5	34.0	34.3	34.8	35.1	35.1	35.2	35.7	36.4	36.7
19.6	26.8	28.2	30.8	31.6	33.0	33.5	34.0	34.3	34.8	35.1	35.1	35.2	35.7	36.4	36.7
19.9	27.4	28.8	31.0	32.4	33.7	34.3	34.8	35.1	35.6	35.9	35.9	36.0	36.7	37.1	37.5
20.7	28.5	29.9	32.6	33.7	35.3	35.9	36.4	36.9	37.3	37.6	37.6	37.7	38.4	38.9	39.2
21.3	28.9	30.2	33.4	34.3	35.9	36.5	36.9	37.5	37.9	38.3	38.3	38.4	39.1	39.5	39.9
21.7	28.9	30.2	33.4	34.3	35.9	36.5	36.9	37.5	37.9	38.3	38.3	38.4	39.1	39.5	39.9
21.2	29.1	30.5	33.6	34.5	36.1	36.7	37.1	37.7	38.2	38.5	38.5	38.6	39.3	39.8	40.1
21.4	29.6	31.0	34.4	35.3	36.9	37.5	37.9	38.5	39.0	39.3	39.3	39.4	40.1	40.5	40.9
21.7	30.7	32.2	35.8	36.9	38.5	39.1	39.8	40.3	40.8	41.1	41.1	41.2	41.9	42.4	42.7
22.1	31.3	33.0	36.6	37.7	39.3	39.9	40.7	41.2	41.7	42.0	42.0	42.1	42.8	43.3	43.6
22.7	32.3	34.1	37.7	38.8	40.4	41.1	41.9	42.5	42.9	43.3	43.3	43.4	44.1	44.5	44.8
23.4	33.3	35.2	39.1	40.2	41.8	42.5	43.3	43.9	44.5	44.8	44.8	45.0	45.6	46.1	46.4
24.7	35.4	37.5	42.2	43.4	45.1	45.8	46.7	47.3	47.9	48.2	48.2	48.4	49.0	49.6	49.9
26.6	38.8	41.3	46.3	47.6	49.3	50.1	51.1	51.8	52.3	52.7	52.7	52.9	53.6	54.1	54.5
29.4	43.7	46.9	52.1	53.9	55.8	56.7	57.8	58.4	59.0	59.3	59.3	59.6	60.2	60.8	61.2
30.7	45.2	48.6	53.8	55.6	57.5	58.4	59.5	60.1	60.7	61.2	61.2	61.4	62.1	62.6	63.0
32.5	47.3	51.4	57.1	59.3	61.3	62.2	63.5	64.4	65.1	65.6	65.6	65.8	66.5	67.0	67.4
35.6	51.5	56.5	62.6	65.5	67.4	68.4	69.9	71.9	71.6	72.0	72.0	72.3	73.0	73.7	74.1
36.2	53.8	59.9	65.2	68.1	70.0	71.0	72.6	73.6	74.3	74.7	74.7	75.0	75.8	76.4	76.8
36.4	54.4	59.7	66.1	69.1	71.1	72.3	73.8	74.9	75.5	76.0	76.0	76.2	77.0	77.7	78.0
36.4	55.6	61.4	68.2	71.3	73.4	74.7	76.3	77.3	78.0	78.5	78.5	78.7	79.5	80.2	80.5
36.4	56.4	62.6	69.6	72.9	75.3	76.7	78.3	79.3	80.0	80.4	80.4	80.6	81.4	82.2	82.6
36.6	57.2	63.9	71.0	74.4	77.0	78.4	80.0	81.0	81.7	82.1	82.1	82.3	83.1	83.9	84.3
36.7	58.1	65.0	72.5	76.0	78.7	80.3	82.1	83.2	83.9	84.4	84.4	84.6	85.4	86.2	86.5
36.8	58.6	65.7	73.4	77.1	80.0	81.7	83.9	85.1	85.8	86.3	86.3	86.5	87.3	88.1	88.4
36.9	59.1	66.3	74.5	78	81.7	83.4	86.0	87.3	88.2	88.7	88.7	88.9	89.7	90.5	90.8
37.0	59.2	66.5	74.9	7	82.1	84.0	87.1	88.8	89.8	90.3	90.3	90.7	91.5	92.3	92.6
37.1	59.3	66.6	75.2	7	82.8	84.8	88.7	91.3	92.5	93.2	93.4	94.0	94.9	95.9	96.3
37.1	59.3	66.6	75.2	74.0	82.9	84.9	88.8	91.4	92.8	93.5	93.8	94.5	95.7	97.31	97.00

TOTAL NUMBER OF OBSERVATIONS 883

U.S. NAVAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE / MAC

CEILING VERSUS VISIBILITY

4000' 1000' 500' 200' 100' 50' 20' 10' 5' 2' 1' 0'

73-1

24

15.1	19.5	27.1	31.2	31.9	32.5	33.0	33.5	33.9	34.6	35.9	37.4	39.0	40.7	42.4	44.1	45.8
21.5	26.7	27.8	29.2	30.1	30.9	31.5	32.3	32.9	32.8	32.9	32.9	33.0	33.0	33.0	33.0	33.0
27.7	26.8	27.9	29.3	30.2	31.0	31.5	32.4	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0
33.8	28.9	29.1	29.4	30.3	31.1	31.7	32.5	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
41.2	27.3	29.4	29.9	30.8	31.6	32.2	33.0	33.3	33.9	33.4	33.6	33.7	34.1	34.1	34.1	34.1
51.7	28.3	29.4	30.9	31.7	32.8	33.4	34.2	34.5	34.7	34.4	34.8	34.9	35.0	35.0	35.0	35.0
63.1	30.7	31.7	32.8	33.8	34.6	35.4	36.3	36.5	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1
73.6	31.6	31.9	33.0	34.7	35.6	36.3	37.2	37.5	37.8	37.5	37.9	37.9	38.0	38.0	38.0	38.0
83.8	30.9	32.1	33.9	34.9	35.6	36.5	37.5	37.8	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2
94.0	31.1	32.3	34.1	35.1	36.1	36.7	37.7	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.4	38.4
104.4	31.7	33.7	34.8	35.9	36.8	37.5	38.5	38.8	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2
114.6	33.5	34.9	36.9	38.0	39.0	39.7	40.6	41.1	41.4	41.4	41.5	41.5	41.5	41.5	41.5	41.5
124.3	34.7	36.7	38.2	39.5	40.5	41.3	42.4	42.8	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2
134.3	36.2	37.7	39.9	41.2	42.2	43.0	44.2	44.5	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9
144.2	37.3	39.0	41.2	42.5	43.6	44.4	45.6	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4
154.3	40.7	41.4	44.3	45.7	46.8	47.6	48.8	49.3	49.7	49.7	49.8	49.9	49.9	49.9	49.9	49.9
164.7	43.3	45.3	46.1	49.6	50.8	51.7	53.0	53.6	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2
174.3	46.4	50.8	54.0	55.7	57.0	58.2	59.4	60.1	60.5	60.7	60.8	61.0	61.0	61.0	61.0	61.0
184.5	50.2	52.7	56.2	57.9	59.3	60.3	61.6	62.5	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1
194.2	52.3	55.9	59.5	61.5	63.0	64.0	65.6	66.3	66.4	67.0	67.1	67.1	67.1	67.1	67.1	67.1
204.5	57.2	57.7	64.8	67.0	68.6	69.7	71.4	72.0	72.8	73.0	73.1	73.3	73.3	73.3	73.3	73.3
214.5	59.3	63.1	67.3	67.7	71.3	72.5	74.3	75.1	75.7	75.9	76.0	76.2	76.2	76.2	76.2	76.2
224.3	60.2	64.7	69.5	70.9	72.6	73.8	75.6	76.4	77.1	77.2	77.3	77.5	77.5	77.5	77.5	77.5
234.3	61.5	65.7	70.5	73.0	74.8	76.0	77.8	78.7	79.4	79.5	79.6	79.8	79.8	79.8	79.8	79.8
244.5	62.8	67.7	72.2	75.0	76.9	78.2	80.1	80.9	81.7	81.9	81.9	82.2	82.2	82.2	82.2	82.2
254.4	64.1	68.7	73.9	76.9	79.1	80.4	82.4	83.3	84.1	84.3	84.4	84.7	84.7	84.7	84.7	84.7
264.7	64.6	69.4	74.8	78.0	80.3	81.8	83.9	84.9	85.7	85.9	86.0	86.2	86.2	86.2	86.2	86.2
274.1	65.1	69.9	75.7	79.2	81.6	83.1	85.5	86.5	87.5	87.7	87.8	88.1	88.1	88.1	88.1	88.1
284.2	65.4	70.4	76.4	80.3	82.9	84.6	87.3	88.6	89.5	89.8	89.9	90.2	90.2	90.2	90.2	90.2
294.2	65.5	70.5	76.5	80.7	83.6	85.5	88.5	90.1	91.2	91.6	91.7	92.1	92.1	92.1	92.1	92.1
304.2	65.5	70.5	76.5	80.9	83.7	85.9	89.4	91.3	92.8	93.4	93.6	94.1	94.1	94.1	94.1	94.1
314.2	65.5	70.5	76.5	80.9	83.9	86.0	89.5	91.5	93.1	93.8	94.1	94.8	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 7007

U.S. AIR CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE

CEILING VERSUS VISIBILITY

4 WASHINGTON, D.C.

1950-51

1950-51

1. The following table shows the relationship between ceiling and visibility for the period 1950-51.

1950-51

15.0	15.2	15.7	17.4	18.4	18.8	21.6	24.9	25.8	26.4	26.4	26.7	27.4	27.5	27.7	28.7
15.7	15.4	15.7	20.7	21.8	23.5	25.5	29.3	30.4	31.1	31.1	31.4	32.1	32.3	32.5	33.7
13.5	13.4	13.7	20.7	21.8	23.5	25.5	29.3	30.4	31.1	31.1	31.4	32.1	32.3	32.5	33.7
13.7	13.4	13.5	21.5	21.5	22.7	25.6	29.4	30.5	31.2	31.2	31.5	32.2	32.5	32.5	33.8
13.7	13.5	21.5	21.9	22.7	23.5	25.7	29.6	30.5	31.4	31.4	31.5	32.3	32.5	32.7	33.8
14.3	13.1	21.7	21.6	21.1	21.1	27.1	30.9	32.1	32.7	32.7	32.9	33.7	33.9	34.7	35.0
14.7	21.0	21.5	22.7	24.4	26.4	28.4	32.2	33.3	34.1	34.7	34.3	35.1	35.2	35.3	36.1
15.3	21.9	22.5	23.9	25.8	27.9	29.7	33.5	34.7	35.5	35.5	35.8	36.5	36.5	36.9	38.1
17.4	21.3	22.5	24.3	26.2	26.2	30.3	34.1	35.2	35.9	35.9	36.2	36.9	37.1	37.7	38.5
18.4	21.3	27.5	24.3	26.3	26.4	30.4	34.3	35.7	36.1	36.1	36.3	37.2	37.3	37.4	38.6
15.7	21.5	27.3	24.9	26.9	29.1	31.1	35.1	36.1	36.3	36.3	37.1	37.9	38.1	38.2	39.4
16.7	21.1	24.2	27.0	29.2	31.5	33.5	37.6	38.7	39.4	39.5	39.8	40.5	41.7	41.9	42.1
17.1	21.5	25.5	27.8	30.0	32.3	34.6	38.5	39.5	40.3	40.4	40.6	41.3	41.6	41.7	42.9
17.2	24.1	25.1	26.2	31.5	32.8	35.3	39.3	40.5	41.3	41.5	41.7	42.4	42.7	42.8	44.1
17.4	24.5	26.4	28.8	31.1	33.4	35.9	40.0	41.5	42.2	42.3	42.5	43.3	43.5	43.5	44.5
18.5	26.9	27.8	31.7	34.4	36.9	39.4	43.6	45.1	45.5	45.9	46.2	46.9	47.1	47.2	48.4
20.3	29.3	31.5	34.9	38.0	40.7	43.3	47.5	48.9	49.5	49.8	50.2	50.7	51.0	51.1	52.3
22.0	32.7	35.1	39.1	42.5	45.6	48.2	52.4	53.9	54.7	54.8	55.0	55.9	56.1	56.3	57.5
23.1	35.4	35.9	39.9	43.4	46.5	49.2	53.4	54.9	55.5	55.5	56.1	57.7	57.2	57.7	58.9
24.3	35.3	37.7	42.2	45.2	49.5	52.3	56.6	58.1	59.1	59.3	59.5	60.3	60.6	60.7	61.9
25.3	36.6	41.5	47.4	51.7	55.5	59.9	63.3	64.9	66.0	66.1	66.3	67.2	67.4	67.5	68.5
27.2	40.3	43.9	49.6	54.0	57.7	61.3	66.1	67.7	68.5	68.9	69.1	70.0	70.3	70.4	71.5
27.5	41.5	45.5	51.4	55.8	59.7	63.1	67.9	69.6	70.7	70.8	71.1	71.9	72.0	72.4	73.5
28.4	42.3	47.2	53.1	57.7	61.9	65.3	70.1	71.9	73.0	73.1	73.3	74.2	74.5	74.6	75.8
29.7	44.5	48.5	55.2	59.9	64.2	67.5	72.4	74.2	75.2	75.4	75.6	76.4	76.5	76.9	78.1
29.7	45.8	51.0	56.7	61.8	67.1	70.7	75.8	77.4	78.7	78.8	79.1	79.9	80.3	80.4	81.6
27.2	46.9	51.2	56.2	63.8	69.2	73.3	79.1	80.8	81.9	82.1	82.2	83.1	83.4	83.5	84.7
28.3	47.5	51.8	59.3	65.1	70.8	75.0	80.9	82.7	83.9	84.1	84.4	85.2	85.6	85.7	86.9
28.4	48.1	52.5	60.3	66.3	72.1	76.3	83.5	85.2	87.1	87.4	87.6	88.5	88.8	88.9	90.1
31.4	48.2	53.7	60.6	67.2	73.1	77.5	84.7	87.1	89.1	89.3	89.5	90.5	91.0	91.1	92.3
32.4	48.7	53.7	60.9	67.4	73.3	78.1	85.6	88.2	90.5	91.2	91.5	92.4	93.0	93.3	94.5
32.4	48.2	53.0	60.9	67.4	73.3	78.1	85.6	88.2	90.7	91.5	92.2	93.2	95.3	95.4	96.6

TOTAL NUMBER OF OBSERVATIONS 870

GLOBAL CLIMATOLOGY BRANCH
 DAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17450 BOSCOMBE DOWN UP

73-67

FEB

PER CENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1600-2600

9.7	13.7	14.2	15.2	15.7	16.6	17.2	18.8	19.1	19.8	20.2	20.2	20.3	21.4	21.4	22.5
11.3	16.4	17.0	18.2	18.8	20.4	21.3	23.3	23.8	24.7	25.1	25.2	25.4	26.5	26.6	27.9
11.8	16.4	17.5	18.2	18.8	20.4	21.4	23.4	24.0	25.0	25.3	25.4	25.7	26.8	26.9	28.1
11.8	16.4	17.0	18.2	18.8	20.4	21.4	23.4	24.0	25.0	25.3	25.4	25.7	26.8	26.9	28.1
11.8	16.4	17.0	18.2	18.8	20.4	21.4	23.4	24.0	25.0	25.3	25.4	25.7	26.8	26.9	28.1
12.3	16.8	17.4	18.9	19.6	21.3	22.2	24.3	24.9	25.8	26.2	26.3	26.5	27.6	27.7	28.9
12.7	17.4	18.2	19.6	20.3	22.0	23.2	25.3	26.0	27.0	27.5	27.6	27.8	28.9	29.7	30.2
13.0	17.7	18.6	20.3	21.0	22.7	24.0	26.2	26.9	27.8	28.3	28.4	28.7	29.7	29.9	31.1
13.1	17.8	19.0	20.7	21.4	23.1	24.4	26.5	27.2	28.2	28.7	28.8	29.0	30.1	30.2	31.4
13.3	17.9	19.1	20.8	21.5	23.2	24.5	26.6	27.4	28.3	28.8	28.9	29.2	30.2	30.3	31.5
13.4	18.0	19.4	21.1	21.9	23.5	24.9	27.0	27.7	28.7	29.2	29.3	29.5	30.6	30.7	31.9
14.5	19.7	21.4	23.2	24.0	25.7	27.0	29.2	29.9	30.8	31.3	31.4	31.7	32.7	33.0	34.2
15.5	21.1	22.8	24.6	25.6	27.2	28.6	30.7	31.0	33.0	33.5	33.6	33.8	34.9	35.1	36.3
15.8	21.7	23.4	25.2	26.2	28.0	29.3	31.8	33.0	34.2	34.6	34.8	35.0	36.1	36.3	37.5
15.9	22.1	23.8	25.6	26.6	28.4	29.7	32.4	33.6	34.8	35.2	35.4	35.6	36.7	36.9	38.1
17.1	23.9	25.6	27.6	28.9	31.3	32.9	35.8	37.0	38.4	38.8	38.9	39.2	40.3	40.5	41.7
19.0	26.6	28.6	30.7	32.4	34.9	36.7	39.7	40.9	42.3	42.8	42.9	43.1	44.2	44.4	45.6
21.1	30.5	32.7	35.7	37.8	40.4	42.4	45.8	47.0	48.4	48.9	49.0	49.2	50.4	50.7	51.9
21.5	31.3	33.5	37.2	39.2	41.8	43.8	47.3	48.5	50.2	50.7	50.8	51.0	52.2	52.4	53.6
22.6	32.6	35.5	39.4	41.6	44.4	46.5	50.1	51.3	53.2	53.6	53.8	54.0	55.2	55.4	56.8
25.0	36.4	39.4	43.7	46.5	49.7	52.0	55.8	57.0	58.9	59.5	59.6	59.9	61.1	61.3	62.6
25.4	37.4	40.5	45.6	49.1	52.3	54.6	58.4	59.7	61.6	62.2	62.4	62.6	63.8	64.0	65.4
25.8	38.5	41.1	46.2	49.7	52.9	55.3	59.1	60.5	62.4	63.0	63.1	63.3	64.5	64.8	66.1
25.9	38.7	42.2	47.4	51.3	54.7	57.2	61.1	62.6	64.5	65.1	65.2	65.5	66.7	66.9	68.2
26.5	40.4	44.0	49.9	54.0	57.7	60.3	64.3	65.8	67.7	68.3	68.6	68.8	70.0	70.3	71.6
27.1	41.6	45.8	52.1	56.3	60.3	63.0	67.0	68.6	70.5	71.1	71.3	71.6	72.8	73.0	74.3
27.1	42.1	46.8	53.4	57.6	61.6	64.3	68.8	70.6	72.8	73.4	73.6	73.8	75.0	75.3	76.6
27.4	42.8	47.8	54.6	59.1	63.4	66.2	71.6	73.8	76.3	76.9	77.2	77.4	78.6	78.9	80.2
27.4	43.0	48.1	55.4	61.1	66.2	69.3	75.1	77.7	80.4	81.0	81.2	81.5	82.7	82.9	84.2
27.4	43.2	48.4	55.8	61.9	67.3	70.6	77.1	79.7	82.8	83.5	83.8	84.1	85.7	85.9	87.3
27.4	43.2	48.4	55.8	61.9	67.3	70.6	77.8	80.5	84.5	85.4	86.1	87.1	88.9	89.6	92.1
27.4	43.2	48.4	55.8	61.9	67.3	70.6	77.8	80.6	84.8	85.8	87.0	89.0	91.4	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

137450 BOSCOMBE DOWN UK

73-87

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1900-1100

6.3	9.9	10.4	11.8	12.7	13.4	14.6	15.3	16.1	16.7	17.0	17.1	17.1	17.3	17.6	17.9
11.8	16.3	17.2	18.5	19.6	20.9	22.8	23.8	24.8	25.5	25.8	26.0	26.1	26.3	26.6	26.9
11.3	16.3	17.2	18.5	19.7	21.1	23.0	23.9	25.0	25.8	26.2	26.3	26.4	26.7	26.9	27.2
11.3	16.3	17.2	18.5	19.7	21.1	23.0	23.9	25.0	25.8	26.2	26.3	26.4	26.7	26.9	27.2
12.4	17.3	18.3	19.6	20.9	22.2	24.3	25.2	26.3	27.2	27.5	27.6	27.8	28.0	28.2	28.5
13.4	18.3	19.3	20.7	22.1	23.6	25.8	26.8	27.9	28.7	29.2	29.3	29.4	29.7	29.9	30.1
14.1	19.3	20.5	22.0	23.8	25.4	27.6	28.7	29.8	30.7	31.2	31.3	31.5	31.7	31.9	32.2
15.1	20.3	21.7	23.6	25.6	27.2	29.4	30.5	31.6	32.5	33.1	33.3	33.4	33.6	33.9	34.1
15.1	20.3	21.7	23.8	25.8	27.4	29.7	30.7	31.8	32.8	33.4	33.5	33.6	33.9	34.1	34.3
15.1	20.3	21.7	23.8	25.8	27.4	29.7	30.7	31.8	32.8	33.4	33.5	33.6	33.9	34.1	34.3
15.3	20.8	22.4	24.6	26.7	28.2	30.5	31.6	32.7	33.6	34.2	34.3	34.4	34.7	34.9	35.2
16.4	21.9	23.4	26.1	28.2	29.8	32.1	33.1	34.2	35.2	35.8	35.9	36.0	36.2	36.5	36.7
17.1	23.1	24.6	27.8	30.3	31.9	34.2	35.5	36.7	37.7	38.3	38.4	38.5	38.9	39.1	39.4
17.5	24.2	26.1	29.1	31.6	33.3	35.6	37.6	38.9	39.8	40.4	40.6	40.7	41.3	41.5	41.7
17.7	24.6	26.4	29.7	32.2	33.9	36.2	38.2	39.5	40.4	41.0	41.1	41.3	41.5	42.1	42.3
18.1	25.8	27.9	31.3	34.0	35.6	38.2	40.4	41.7	42.7	43.3	43.4	43.5	44.1	44.4	44.6
19.1	27.0	29.2	32.7	35.4	37.1	39.6	42.1	43.4	44.5	45.1	45.3	45.5	46.1	46.3	46.5
20.9	30.3	32.5	36.6	39.5	41.1	43.7	46.2	47.5	48.6	49.4	49.6	49.9	50.5	50.7	51.0
22.4	32.5	34.9	39.4	42.2	43.9	46.5	49.3	50.6	51.5	52.6	53.0	53.1	53.7	53.9	54.2
24.4	34.9	37.3	42.7	45.7	47.4	50.0	53.0	54.3	55.5	56.3	56.7	56.8	57.4	57.7	57.9
26.8	38.5	41.3	47.2	51.1	53.0	56.0	59.0	60.3	61.5	62.7	63.3	63.2	63.9	64.1	64.4
27.8	40.1	42.9	49.3	53.8	55.9	58.9	62.0	63.3	64.5	65.7	66.0	66.1	66.9	67.1	67.3
28.2	41.1	44.0	50.4	55.0	57.2	60.2	63.3	64.6	65.8	67.0	67.3	67.5	68.2	68.4	68.7
28.6	41.9	45.1	51.4	56.5	58.6	61.6	64.7	66.0	67.2	68.4	68.8	68.9	69.6	69.9	70.1
28.9	42.6	45.9	52.6	57.9	60.4	63.5	66.7	68.1	69.3	70.6	70.9	71.1	71.8	72.0	72.2
28.9	43.3	47.0	53.9	59.6	62.2	65.3	68.9	70.2	71.4	72.7	73.1	73.2	73.9	74.2	74.4
29.2	43.9	48.3	55.5	61.5	64.2	67.5	71.4	73.0	74.5	75.8	76.2	76.3	77.0	77.3	77.5
29.3	44.3	49.2	56.5	63.4	66.4	70.1	75.0	76.6	78.3	79.9	80.3	80.4	81.1	81.3	81.6
29.4	44.5	49.6	57.7	65.3	68.5	72.5	78.5	80.4	82.7	84.3	84.7	84.8	85.5	85.8	86.0
29.4	44.6	49.8	57.8	66.0	69.3	74.0	80.6	83.4	86.0	87.8	88.2	88.6	89.5	89.8	90.2
29.4	44.6	49.8	57.8	66.3	69.7	74.5	81.5	84.3	87.3	89.1	89.6	90.2	91.6	92.0	92.9
29.4	44.6	49.8	57.8	66.3	69.7	74.5	81.5	84.3	88.2	90.0	90.4	91.1	94.4	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 636

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1200-1400

9.7	12.3	12.4	14.1	15.3	15.8	16.2	16.9	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
15.6	21.0	21.5	23.5	24.9	25.8	26.4	27.1	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
15.7	21.1	21.6	23.7	25.2	26.0	26.6	27.3	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
15.8	21.3	21.7	23.8	25.3	26.1	26.7	27.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
16.8	22.4	22.9	25.0	26.5	27.3	27.9	28.7	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
18.0	24.2	24.7	27.2	28.8	29.6	30.3	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
19.4	26.2	26.7	29.8	31.5	32.3	32.9	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
19.4	26.9	27.5	30.5	32.2	33.0	33.7	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.2	35.2
19.7	27.2	27.8	31.0	32.8	33.7	34.3	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.8	35.8
19.8	27.3	27.9	31.1	32.9	33.8	34.4	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	36.0	36.0
20.0	28.2	28.8	32.0	33.8	34.6	35.4	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9	36.9
22.0	31.0	31.6	35.2	37.1	37.9	38.8	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.5	40.5
22.7	32.6	33.5	37.3	39.1	40.2	41.1	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9
23.8	34.0	35.5	39.2	41.6	42.9	44.0	45.3	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2
24.7	35.2	36.7	40.5	42.8	44.1	45.3	46.5	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4
26.6	36.9	38.4	42.4	44.7	46.1	47.1	48.5	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3
28.3	39.2	40.8	45.1	47.6	49.0	50.1	51.4	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
33.2	45.3	47.0	51.4	54.7	56.0	57.2	58.7	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.8	59.8
34.8	47.6	49.6	54.2	57.6	59.2	60.4	62.0	62.6	62.8	62.9	62.9	62.9	62.9	62.9	63.1	63.1
36.9	51.2	53.1	57.8	61.7	63.3	64.5	66.2	66.8	67.1	67.2	67.3	67.3	67.3	67.3	67.4	67.4
40.2	56.7	59.3	64.8	69.0	70.8	72.1	73.8	74.4	74.6	74.7	74.6	74.6	74.6	74.8	75.0	75.0
40.8	58.6	61.0	66.8	71.4	73.3	74.5	76.2	76.9	77.2	77.4	77.5	77.5	77.5	77.5	77.6	77.6
41.1	59.3	61.7	67.6	72.3	74.1	75.3	77.2	77.9	78.1	78.4	78.5	78.5	78.5	78.5	78.6	78.6
41.3	59.9	62.3	68.3	73.8	75.6	76.9	78.9	79.6	80.0	80.2	80.3	80.3	80.3	80.3	80.4	80.4
42.0	61.4	63.9	70.6	76.4	78.4	79.7	81.9	82.7	83.1	83.4	83.5	83.5	83.5	83.5	83.6	83.6
42.0	62.0	64.8	71.9	78.1	80.4	81.9	84.4	85.3	85.8	86.0	86.1	86.1	86.1	86.1	86.3	86.3
42.2	62.3	65.4	72.8	79.3	81.7	83.5	86.1	87.2	87.7	88.0	88.1	88.1	88.1	88.1	88.2	88.2
42.2	62.8	65.9	73.8	80.7	83.0	85.3	88.3	89.7	90.2	90.4	90.5	90.5	90.5	90.5	90.6	90.6
42.2	63.1	66.3	74.4	81.9	84.2	86.6	89.9	91.7	92.6	93.0	93.1	93.1	93.1	93.1	93.2	93.2
42.2	63.1	66.3	74.4	82.5	85.1	87.8	91.9	93.7	95.0	95.4	95.5	95.7	95.7	95.7	95.9	95.9
42.2	63.1	66.3	74.4	82.5	85.4	88.5	92.6	94.8	96.6	97.1	97.2	97.7	97.7	97.7	97.8	97.8
42.2	63.1	66.3	74.4	82.5	85.4	88.5	92.6	94.8	96.6	97.3	97.4	98.2	98.3	98.3	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 823

2
GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1960 BOSCOMBE DOWN UK

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

10.4	12.7	13.1	15.0	15.6	15.6	16.8	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
18.2	23.6	24.1	26.4	27.4	27.5	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
18.2	23.6	24.1	26.4	27.4	27.5	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
18.3	23.7	24.2	26.5	27.5	27.6	28.8	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
18.9	24.6	25.2	27.5	28.5	28.6	29.8	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
19.5	25.5	26.2	28.6	29.5	29.8	31.0	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
20.5	27.2	28.1	30.5	31.5	31.7	32.9	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
21.2	28.2	29.1	31.7	32.7	32.9	34.3	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
21.2	28.7	29.5	32.2	33.3	33.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
21.3	28.9	29.8	32.4	33.5	33.9	35.4	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
21.7	29.5	30.4	33.1	34.3	34.6	36.1	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
22.4	31.7	32.7	35.6	36.8	37.2	38.6	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
24.1	34.1	35.1	38.3	40.0	40.3	41.8	43.1	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
25.7	36.4	37.5	40.6	42.5	43.0	44.4	45.8	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
27.2	38.0	39.2	42.5	44.2	44.7	46.1	47.5	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
29.7	41.3	42.5	45.9	47.6	48.1	49.5	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
32.6	45.3	46.9	50.4	52.5	53.0	54.5	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
36.7	51.0	53.3	57.3	59.7	60.3	61.9	63.4	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
38.6	54.1	56.8	61.3	63.7	64.4	66.1	67.7	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
40.3	56.5	59.6	64.6	67.3	68.0	69.7	71.7	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
41.6	59.4	62.8	68.4	71.7	72.4	74.2	76.5	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
42.1	60.7	64.4	70.2	73.7	74.7	76.5	78.8	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
42.5	61.1	65.3	71.7	75.3	76.4	78.2	80.5	81.1	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
42.5	61.5	65.9	72.6	76.9	78.1	80.0	82.6	83.4	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
42.5	62.1	66.8	73.7	78.2	79.5	81.6	84.5	85.4	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
42.6	62.8	67.8	75.1	80.0	81.4	83.4	86.6	87.4	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3
42.6	63.3	68.3	75.8	81.0	82.6	84.6	87.8	88.6	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5
42.7	64.2	69.1	76.6	82.0	83.9	86.2	89.3	90.8	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
42.7	64.3	69.4	77.0	82.6	84.6	87.3	90.7	92.4	93.1	93.5	93.5	93.6	93.6	93.6	93.6	93.6
42.7	64.4	69.7	77.4	83.4	85.5	88.1	92.1	94.3	95.3	95.8	95.8	95.9	95.9	95.9	95.9	95.9
42.7	64.4	69.7	77.4	83.5	86.0	88.7	93.3	95.6	97.0	97.7	97.7	97.8	97.8	97.8	97.8	97.8
42.7	64.4	69.7	77.4	83.5	86.0	88.7	93.3	95.6	97.1	97.8	97.9	98.1	98.4	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

826

GLOBAL CLIMATOLOGY BRANCH
 CMAFLTAG
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-32 BOSCOMBE DOWN UK

73-32

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1800-2000

15.7	20.7	21.4	23.0	24.5	25.9	26.6	27.7	28.7	29.4	28.5	28.5	29.5	29.5	28.5	28.5
20.1	26.7	27.8	30.0	31.5	32.9	33.6	34.8	35.4	35.5	35.6	35.6	35.6	35.7	35.7	35.7
20.1	26.8	27.9	30.1	31.6	33.0	33.7	34.9	35.5	35.6	35.7	35.7	35.7	35.9	35.9	35.9
20.1	26.8	27.9	30.1	31.6	33.0	33.7	34.9	35.5	35.6	35.7	35.7	35.7	35.9	35.9	35.9
20.2	27.1	28.2	30.3	32.0	33.3	34.1	35.3	35.9	36.0	36.1	36.1	36.1	36.2	36.2	36.2
20.3	27.4	28.5	30.9	32.6	33.9	34.7	35.9	36.5	36.6	36.7	36.7	36.7	36.8	36.8	36.8
20.7	28.4	29.4	33.2	34.9	36.9	37.8	39.1	39.7	39.8	40.0	40.0	40.0	40.1	40.1	40.1
21.2	28.8	30.4	33.4	35.3	37.3	38.4	39.7	40.3	40.4	40.6	40.6	40.6	40.7	40.7	40.7
21.2	28.9	30.9	33.7	35.4	37.4	38.5	40.0	40.7	40.8	40.9	40.9	40.9	41.0	41.0	41.0
21.2	28.9	30.9	33.7	35.4	37.4	38.5	40.0	40.7	40.8	40.9	40.9	40.9	41.0	41.0	41.0
21.3	29.5	31.5	34.4	36.1	38.3	39.5	40.9	41.8	41.9	42.0	42.0	42.0	42.1	42.1	42.1
21.7	30.8	33.0	36.0	37.7	40.0	41.2	42.7	43.6	43.7	43.8	43.8	43.8	43.9	43.9	43.9
22.6	32.6	34.8	38.0	39.8	41.2	43.4	45.1	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.3
22.6	32.9	35.1	38.4	40.3	42.8	44.2	46.0	46.8	47.1	47.2	47.2	47.2	47.3	47.3	47.3
23.1	33.8	36.0	39.5	41.4	43.9	45.2	47.3	48.1	48.4	48.5	48.5	48.5	48.6	48.6	48.6
24.4	36.7	38.9	42.7	44.9	47.5	48.9	50.9	51.7	52.0	52.1	52.1	52.1	52.2	52.2	52.2
26.3	39.8	42.1	46.1	48.9	51.5	52.8	54.9	55.7	56.0	56.1	56.1	56.1	56.2	56.2	56.2
28.3	44.5	47.1	51.4	54.9	57.5	59.0	61.1	62.0	62.2	62.3	62.3	62.3	62.5	62.5	62.5
29.8	46.9	50.2	55.0	58.5	61.5	63.1	65.2	66.1	66.4	66.5	66.5	66.5	66.7	66.7	66.7
30.9	49.1	53.2	58.0	61.7	64.9	66.4	69.3	70.3	70.8	70.9	70.9	70.9	71.0	71.0	71.0
31.5	51.5	56.7	61.5	65.8	69.2	71.0	74.5	75.5	76.1	76.2	76.2	76.2	76.3	76.3	76.3
31.9	52.8	57.6	63.7	68.0	71.7	73.6	77.5	78.7	79.4	79.5	79.5	79.5	79.7	79.7	79.7
32.3	53.2	59.5	64.5	68.8	72.9	74.8	78.9	80.1	80.9	81.0	81.0	81.0	81.1	81.1	81.1
32.1	54.2	59.6	65.9	70.6	74.7	76.7	81.1	82.4	83.3	83.4	83.4	83.4	83.5	83.5	83.5
32.4	54.8	60.2	66.8	72.0	76.7	78.6	83.5	84.8	85.7	85.8	85.8	85.8	85.9	85.9	85.9
32.4	54.8	60.2	66.8	72.0	76.7	78.6	83.5	84.8	85.7	85.8	85.8	85.8	85.9	85.9	85.9
32.5	55.2	61.7	68.0	73.4	78.8	80.9	86.3	87.8	88.7	88.8	88.9	88.9	89.0	89.0	89.0
32.6	55.8	62.0	69.2	74.8	80.3	82.6	88.2	89.8	90.6	90.7	90.9	90.9	91.0	91.0	91.0
32.6	56.1	62.3	69.6	75.7	81.1	83.4	89.4	91.2	92.4	92.5	92.8	92.8	92.9	92.9	92.9
32.6	56.1	62.7	70.0	76.4	81.9	84.2	90.3	92.4	93.9	94.0	94.2	94.3	94.5	94.5	94.5
32.6	56.1	62.7	70.3	76.9	82.6	85.0	91.7	94.5	96.0	96.1	96.5	96.8	96.9	97.5	97.5
32.6	56.1	62.7	70.3	76.9	82.6	85.0	91.7	94.6	96.1	96.5	96.9	97.5	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 831

DATA FROM 1973-74 AIR WEATHER SERVICE/MAC ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 C/AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

177407 BOSCOMBE DOWN UK

73-62

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

2100-2300

13.4	19.1	19.4	23.9	22.3	24.2	25.5	26.7	28.3	28.4	28.5	28.5	26.8	29.1	29.3	29.4
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.0	22.2	23.1	25.3	26.9	28.9	30.5	31.9	33.5	33.6	33.7	33.7	33.9	34.3	34.4	34.5
15.1	23.6	24.6	26.9	28.8	30.8	32.4	33.9	35.5	35.6	35.7	35.7	36.0	36.3	36.5	36.6
15.3	24.0	24.9	27.3	29.3	31.7	33.3	34.9	36.5	36.6	36.7	36.7	36.9	37.3	37.4	37.5
15.5	24.2	25.5	27.9	29.9	32.3	33.9	35.5	37.1	37.2	37.3	37.3	37.5	37.9	38.0	38.1
15.5	24.3	25.7	28.1	30.0	32.4	34.2	35.7	37.3	37.4	37.5	37.5	37.8	38.1	38.2	38.4
15.5	24.3	25.7	28.1	30.0	32.4	34.3	35.9	37.4	37.5	37.6	37.6	37.9	38.2	38.4	38.5
16.1	24.9	26.7	29.1	31.3	33.7	35.6	37.3	38.8	39.0	39.1	39.1	39.3	39.7	39.8	39.9
18.0	27.6	29.6	32.0	34.4	36.9	39.0	40.9	42.4	42.7	42.8	42.8	43.0	43.4	43.5	43.6
18.7	28.5	30.8	33.0	35.4	38.1	40.2	42.2	43.8	44.0	44.1	44.1	44.5	44.8	45.0	45.1
19.1	28.9	31.2	33.6	36.0	38.7	40.9	43.2	44.8	45.1	45.2	45.2	45.6	45.9	46.0	46.2
19.3	29.4	31.7	34.3	36.7	39.7	41.8	44.5	46.2	46.4	46.5	46.5	46.9	47.2	47.4	47.5
20.3	32.6	34.9	37.9	40.6	43.6	45.8	48.4	50.1	50.4	50.5	50.5	50.8	51.2	51.3	51.4
21.9	35.4	37.9	41.4	44.2	47.2	49.4	52.0	53.7	54.0	54.1	54.1	54.4	54.8	54.9	55.0
24.0	39.1	42.0	46.3	49.4	52.8	54.9	57.6	59.2	59.6	59.7	59.7	60.1	60.4	60.6	60.7
24.3	40.3	43.3	47.7	50.8	54.4	56.6	59.5	61.2	61.8	61.9	61.9	62.2	62.6	62.7	62.8
25.3	42.0	45.2	49.8	53.6	57.3	59.6	62.5	64.1	64.7	64.9	64.9	65.2	65.6	65.7	65.8
26.7	44.5	48.2	54.2	58.3	62.7	65.2	68.8	70.6	71.2	71.3	71.3	71.7	72.1	72.2	72.3
27.5	45.7	49.8	56.4	61.0	65.7	68.3	72.1	73.9	74.5	74.6	74.6	74.9	75.3	75.4	75.5
27.7	46.9	51.1	57.7	62.5	67.3	69.9	73.7	75.5	76.1	76.3	76.3	76.6	77.0	77.1	77.2
27.9	47.8	52.4	59.0	64.0	69.2	72.1	76.1	77.9	78.5	78.7	78.7	79.0	79.4	79.5	79.6
28.1	48.8	53.4	60.6	65.7	71.5	74.3	78.8	80.7	81.3	81.4	81.4	81.8	82.1	82.3	82.4
28.3	50.4	55.2	62.6	69.0	73.9	76.9	81.5	83.5	84.1	84.2	84.2	84.5	85.0	85.1	85.3
28.5	50.7	55.6	63.1	68.6	74.6	77.6	82.7	84.9	85.5	85.6	85.6	86.0	86.5	86.6	86.7
28.5	51.1	56.4	64.6	70.4	76.7	80.2	85.5	87.8	88.5	88.6	88.6	89.0	89.4	89.6	89.7
28.5	52.3	57.7	66.3	72.3	78.7	82.3	88.4	90.8	91.7	91.8	91.8	92.2	92.7	92.8	92.9
28.7	52.4	57.8	66.5	72.8	79.3	83.1	89.4	92.0	93.2	93.5	93.5	93.9	94.4	94.5	94.6
28.7	52.4	57.8	66.5	72.8	79.5	83.3	90.3	92.9	94.5	95.7	95.7	96.0	96.5	96.8	96.9
28.7	52.4	57.8	66.5	72.8	79.5	83.3	90.3	92.9	94.6	96.0	96.0	96.8	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS

834

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

117467 BOSCOMBE DOWN UK

73-87

FEB

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11.2	15.1	15.7	16.9	17.9	18.9	19.9	21.4	22.1	22.5	22.6	22.6	22.8	23.1	23.2	23.7
15.0	20.4	21.3	23.0	24.2	25.5	26.7	28.5	29.2	29.7	29.8	29.8	30.0	30.4	30.5	31.0
15.0	20.4	21.3	23.0	24.3	25.6	26.8	28.5	29.3	29.8	29.9	30.0	30.2	30.5	30.6	31.1
15.1	20.4	21.3	23.1	24.3	25.6	26.8	28.6	29.4	29.8	29.9	30.0	30.2	30.6	30.7	31.2
15.4	20.9	21.8	23.5	24.8	26.1	27.3	29.1	29.9	30.3	30.5	30.5	30.7	31.1	31.2	31.7
15.9	21.7	22.7	24.6	26.0	27.4	28.7	30.4	31.3	31.7	31.8	31.9	32.1	32.4	32.5	33.1
16.6	22.8	24.3	26.0	27.6	29.1	30.4	32.3	33.2	33.6	33.8	33.8	34.0	34.4	34.5	35.0
16.9	23.4	24.7	26.9	28.5	30.0	31.4	33.3	34.2	34.6	34.8	34.9	35.1	35.4	35.5	36.1
17.0	23.5	25.0	27.2	28.9	30.4	31.8	33.7	34.6	35.1	35.2	35.3	35.5	35.8	36.0	36.5
17.1	23.7	25.0	27.3	29.0	30.5	32.0	33.9	34.8	35.2	35.4	35.4	35.6	36.0	36.1	36.7
17.4	24.2	25.6	28.0	29.7	31.2	32.7	34.7	35.6	36.1	36.2	36.3	36.5	36.8	37.0	37.5
18.5	26.0	27.5	30.1	31.9	33.5	35.0	37.1	38.0	38.5	38.7	38.7	38.9	39.2	39.4	40.0
19.3	27.3	28.9	31.6	33.6	35.3	36.8	39.0	40.0	40.5	40.7	40.8	41.0	41.4	41.5	42.0
19.8	28.2	29.9	32.7	34.7	36.5	38.2	40.5	41.5	42.2	42.4	42.5	42.7	43.1	43.2	43.8
20.3	29.0	30.7	33.6	35.6	37.4	39.1	41.6	42.7	43.2	43.4	43.5	43.7	44.1	44.3	44.8
21.7	31.3	33.1	36.3	38.5	40.4	42.2	44.8	45.9	46.5	46.7	46.7	47.0	47.4	47.5	48.1
23.4	33.9	35.8	39.3	41.9	43.9	45.7	48.4	49.6	50.2	50.4	50.4	50.7	51.1	51.2	51.8
26.1	38.1	40.3	44.3	47.3	49.4	51.3	54.1	55.3	55.9	56.2	56.3	56.5	57.0	57.1	57.6
27.2	39.8	42.2	46.5	49.5	51.8	53.8	56.7	57.9	58.7	58.9	59.0	59.3	59.7	59.8	60.4
28.6	41.9	44.6	49.3	52.7	55.0	57.1	60.3	61.5	62.3	62.6	62.7	62.9	63.4	63.5	64.1
30.5	45.3	48.5	54.0	57.9	60.5	62.8	66.3	67.5	68.4	68.7	68.8	69.1	69.5	69.7	70.2
31.2	46.8	50.2	56.1	60.4	63.2	65.6	69.1	70.4	71.4	71.7	71.8	72.1	72.5	72.7	73.2
31.6	47.7	51.2	57.3	61.5	64.5	66.9	70.5	71.8	72.7	73.1	73.2	73.4	73.9	74.0	74.5
31.3	48.5	52.3	58.5	63.2	66.2	68.7	72.4	73.9	74.8	75.2	75.3	75.5	76.0	76.1	76.7
32.2	49.5	53.5	60.2	65.1	68.0	70.9	74.9	76.4	77.3	77.7	77.8	78.1	78.6	78.7	79.2
32.4	50.4	54.7	61.7	66.9	70.5	73.2	77.4	78.9	79.9	80.3	80.4	80.7	81.2	81.3	81.8
32.6	51.3	55.5	62.7	68.1	71.9	74.7	79.3	80.9	82.0	82.4	82.5	82.8	83.3	83.4	84.0
32.7	51.5	56.3	63.7	69.6	73.6	76.7	81.6	83.5	84.6	85.1	85.2	85.5	86.0	86.1	86.7
32.7	52.0	56.9	64.7	71.0	75.2	78.6	84.2	86.3	87.8	88.3	88.5	88.7	89.2	89.4	89.9
32.7	52.1	57.1	65.0	71.8	76.1	79.7	85.8	88.3	90.0	90.6	90.8	91.2	91.8	92.7	92.5
32.7	52.1	57.1	65.1	71.9	76.5	80.1	86.7	89.4	91.6	92.5	92.8	93.4	94.1	94.4	95.4
32.7	52.1	57.1	65.1	71.9	76.5	80.1	86.7	89.5	91.9	93.0	93.4	94.3	95.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS

6642

USAF ETAC 117467 BOSCOMBE DOWN UK 73-87 FEB ALL

GLOBAL CLIMATOLOGY BRANCH
JAFSTAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

450 LOSCOMBE DOWN UK

73-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1000-1200

21.3	26.5	28.2	30.9	32.0	33.2	34.3	36.0	36.2	36.6	36.6	36.7	36.7	37.2	37.3	37.5
25.4	31.5	33.7	36.7	38.2	39.7	41.1	43.1	43.3	43.8	43.8	43.9	43.9	44.3	44.4	44.7
25.4	31.5	33.7	36.7	38.2	39.7	41.1	43.1	43.3	43.8	43.8	43.9	43.9	44.3	44.4	44.7
25.4	31.5	33.7	36.7	38.2	39.7	41.1	43.1	43.3	43.8	43.8	43.9	43.9	44.3	44.4	44.7
25.9	31.9	34.1	37.2	38.6	40.2	41.7	43.7	43.9	44.3	44.3	44.4	44.4	44.7	45.0	45.2
26.2	32.5	34.9	38.0	39.4	40.9	42.5	44.4	44.7	45.1	45.1	45.2	45.2	45.7	45.8	46.1
27.1	33.4	35.9	39.2	40.7	42.2	43.8	45.8	46.0	46.4	46.4	46.5	46.5	47.0	47.1	47.3
27.5	33.9	36.3	39.6	41.1	42.7	44.2	46.2	46.4	46.9	46.9	47.0	47.0	47.4	47.5	47.7
27.7	34.1	36.5	39.8	41.4	42.9	44.4	46.4	46.6	47.1	47.1	47.2	47.2	47.6	47.7	48.0
27.7	34.3	36.7	40.2	41.7	43.2	44.8	46.8	47.0	47.4	47.4	47.5	47.5	48.0	48.1	48.3
28.2	34.9	37.3	40.7	42.2	43.8	45.3	47.3	47.5	48.0	48.0	48.1	48.1	48.5	48.6	48.8
29.5	36.6	39.3	43.2	45.0	46.8	48.4	50.7	50.9	51.4	51.4	51.5	51.5	51.9	52.0	52.3
29.9	37.4	40.0	44.2	46.2	48.1	49.7	52.1	52.4	52.8	52.8	52.9	52.9	53.4	53.5	53.7
30.6	38.7	41.4	45.5	47.6	49.5	51.2	53.3	54.0	54.5	54.5	54.6	54.6	55.0	55.1	55.3
31.2	39.5	42.4	46.5	48.6	50.5	52.1	54.8	55.0	55.4	55.4	55.6	55.6	56.0	56.1	56.3
33.1	42.2	45.1	49.3	51.4	53.2	54.9	57.5	57.8	58.2	58.2	58.3	58.3	58.7	58.9	59.1
35.4	46.2	49.4	54.0	56.1	58.1	59.7	62.4	62.6	63.0	63.0	63.1	63.1	63.6	63.7	63.9
36.7	48.5	52.3	56.9	59.2	61.4	63.0	65.7	65.9	66.3	66.3	66.4	66.4	66.9	67.0	67.2
37.4	49.3	53.4	58.2	60.5	62.7	64.4	67.0	67.2	67.7	67.7	67.7	67.8	67.8	68.2	68.5
38.4	50.7	55.0	60.0	62.5	65.0	66.7	69.4	69.6	70.2	70.2	70.3	70.3	70.7	70.8	71.1
39.3	53.8	58.9	64.0	66.7	69.2	70.8	73.9	74.1	74.7	74.7	74.8	74.8	75.2	75.4	75.6
40.7	56.0	61.2	66.4	69.1	71.7	73.5	76.8	77.1	77.7	77.7	77.8	77.8	78.2	78.3	78.5
41.1	57.1	62.4	68.0	70.6	73.3	75.0	78.3	78.7	79.2	79.2	79.3	79.3	79.8	79.9	80.1
41.7	58.2	63.8	69.6	72.3	75.1	76.9	80.7	81.1	81.6	81.6	81.7	81.7	82.2	82.3	82.5
41.7	59.3	65.3	71.5	74.1	77.1	78.9	82.8	83.2	83.7	83.7	83.8	83.8	84.3	84.4	84.6
42.0	60.2	66.6	72.9	76.0	79.5	81.5	85.6	85.9	86.5	86.5	86.6	86.6	87.0	87.1	87.3
42.0	60.4	66.7	73.8	77.0	80.5	82.6	86.8	87.1	87.7	87.7	87.8	87.8	88.2	88.3	88.6
42.2	60.9	67.4	74.7	78.0	81.7	83.8	88.7	89.2	89.8	89.9	90.0	90.0	90.4	90.5	90.8
42.5	61.8	68.9	76.6	80.3	84.3	86.6	91.7	92.6	93.2	93.3	93.4	93.4	93.8	93.9	94.2
42.5	61.9	69.1	76.9	80.9	84.8	87.2	92.7	94.5	95.0	95.2	95.3	95.3	95.7	95.8	96.0
42.5	62.0	69.3	77.2	81.3	85.5	88.0	93.6	95.6	96.8	97.2	97.6	97.6	98.2	98.3	98.8
42.5	62.0	69.3	77.2	81.3	85.5	88.0	93.6	95.6	96.9	97.6	97.9	97.9	98.7	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS

909

2
CLIMATOLOGY BRANCH
AFSTAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1960 DECEMBER DOWN UP

73-33

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM 1-HOUR OBSERVATIONS

0300-0500

14.2	15.4	19.9	23.4	25.2	26.3	27.3	29.5	30.2	30.7	37.6	30.8	31.2	31.9	32.2	32.7
18.4	23.4	24.9	28.7	31.2	32.2	33.4	35.3	36.5	37.1	37.2	37.2	37.6	38.3	38.6	39.2
18.4	23.5	25.1	28.8	31.3	32.3	33.6	35.9	36.6	37.2	37.3	37.3	37.7	38.4	38.7	39.3
18.4	23.5	25.1	28.8	31.3	32.3	33.6	35.9	36.6	37.2	37.3	37.3	37.7	38.4	38.7	39.3
18.7	23.7	25.3	29.5	31.6	32.6	33.9	36.2	37.7	37.5	37.6	37.6	38.1	38.7	39.1	39.6
19.0	24.4	26.0	29.8	32.5	33.6	35.0	37.3	38.1	38.6	38.7	38.7	39.2	39.8	40.2	40.7
19.9	25.3	27.2	30.9	33.7	34.9	36.3	38.6	39.4	40.0	40.1	40.1	40.5	41.2	41.5	42.1
20.3	25.7	27.6	31.3	34.1	35.3	36.8	39.1	39.8	40.4	40.5	40.5	40.9	41.6	41.9	42.5
20.5	26.0	27.9	31.7	34.4	35.7	37.1	39.4	40.2	40.7	40.8	40.8	41.3	41.9	42.3	42.8
20.6	26.0	27.9	31.7	34.4	35.7	37.1	39.4	40.2	40.7	40.8	40.8	41.3	41.9	42.3	42.8
21.3	27.2	29.4	33.1	35.9	37.1	38.5	40.8	41.5	42.2	42.3	42.3	42.7	43.4	43.7	44.3
22.5	28.8	31.1	34.9	37.9	39.3	40.9	43.6	44.6	45.1	45.3	45.3	45.7	46.4	46.7	47.2
23.0	29.4	31.8	35.9	38.9	40.3	41.9	44.8	45.7	46.2	46.4	46.4	46.8	47.5	47.8	48.3
23.5	30.6	33.0	37.1	40.1	41.5	43.2	46.0	46.9	47.5	47.6	47.6	48.0	48.7	49.0	49.6
24.3	31.5	33.8	38.0	40.9	42.4	44.5	46.9	47.8	48.3	48.5	48.5	48.9	49.6	49.9	50.4
25.5	33.3	36.4	40.8	43.9	45.4	47.0	50.0	50.9	51.4	51.5	51.5	52.0	52.6	53.7	53.5
28.4	37.5	41.2	45.9	49.0	50.4	52.1	55.2	56.1	56.6	56.7	56.7	57.2	57.8	58.2	58.7
30.8	41.2	44.8	49.8	53.1	54.6	56.3	59.4	60.4	61.1	61.3	61.3	61.7	62.4	62.7	63.2
31.7	42.4	45.1	51.3	55.0	56.6	58.3	61.4	62.4	63.1	63.2	63.2	63.3	64.5	64.8	65.3
33.1	44.8	49.7	54.5	58.4	60.0	61.7	64.8	65.8	66.7	66.6	66.8	67.3	68.0	68.4	69.0
34.4	48.1	53.7	58.5	62.5	64.3	66.0	69.1	70.1	71.0	71.1	71.1	71.6	72.3	72.7	73.3
35.5	49.9	54.7	60.6	64.6	66.4	68.1	71.2	72.3	73.2	73.3	73.3	73.8	74.5	74.9	75.5
35.3	50.7	55.5	61.5	65.5	67.4	69.1	72.2	73.3	74.2	74.3	74.3	74.8	75.5	75.9	76.5
36.1	51.3	56.3	62.5	66.6	68.8	70.5	73.7	74.8	75.7	75.8	75.8	76.4	77.0	77.5	78.1
36.3	52.4	57.5	63.8	68.0	70.2	72.1	75.3	76.4	77.3	77.4	77.4	77.9	78.6	79.0	79.6
36.8	54.5	59.9	67.0	71.4	73.8	75.7	79.0	80.1	81.0	81.1	81.1	81.7	82.3	82.8	83.3
37.1	55.7	61.4	69.0	73.5	76.4	78.5	82.0	83.1	84.1	84.2	84.2	84.8	85.4	85.9	86.4
37.1	55.8	61.9	70.1	74.9	77.8	79.9	83.7	84.8	85.9	86.0	86.0	86.5	87.2	87.6	88.2
37.1	56.5	62.8	71.9	76.7	79.8	82.0	86.2	87.3	88.6	88.7	88.7	89.3	90.0	90.4	90.9
37.1	57.0	63.2	72.4	77.6	81.1	83.7	88.4	90.1	91.5	91.6	91.6	92.2	92.8	93.3	93.8
37.1	57.0	63.2	72.6	78.1	81.8	84.4	90.0	91.7	93.6	93.7	93.7	94.3	94.9	95.4	96.1
37.1	57.0	63.2	72.6	78.1	81.8	84.4	90.0	91.8	93.9	94.2	94.3	95.1	96.5	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 936

JOINT CLIMATE LOG BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

400 BOSCOMBE DOWN DR

73-87

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1600-0800

9.3	11.5	12.2	14.7	15.3	17.3	18.1	19.2	19.6	21.0	20.2	20.3	21.1	21.5	21.9	22.7
13.2	17.7	19.1	21.9	24.0	25.4	26.5	28.2	28.8	29.2	29.4	29.5	31.3	31.1	31.7	32.3
13.2	17.7	19.1	21.9	24.0	25.4	26.5	28.2	28.8	29.2	29.4	29.5	31.3	31.1	31.7	32.3
13.2	17.8	19.2	22.0	24.1	25.5	26.6	28.3	28.9	29.3	29.5	29.6	30.4	31.3	31.8	32.9
13.5	18.4	19.8	22.8	25.3	26.4	27.7	29.4	30.5	30.4	30.6	30.7	31.5	32.3	32.9	34.1
14.2	20.2	21.7	24.8	27.1	28.5	29.9	31.6	32.2	32.6	32.8	32.9	33.7	34.5	35.1	36.3
15.7	21.9	23.6	26.6	29.1	30.7	32.1	34.0	34.6	35.3	35.2	35.3	36.1	37.0	37.5	38.7
16.8	22.8	24.5	27.5	29.9	31.6	33.1	35.0	35.6	36.0	36.2	36.3	37.1	37.9	38.5	39.7
17.1	23.4	25.7	28.1	30.5	32.1	33.7	35.5	36.2	36.5	36.7	36.8	37.6	38.5	39.0	40.2
17.3	23.8	26.4	28.5	30.9	32.6	34.1	36.0	36.6	37.0	37.2	37.3	38.0	38.9	39.5	40.7
17.9	24.7	26.3	29.4	31.8	33.6	35.2	37.1	37.7	38.0	38.3	38.4	39.1	40.0	40.6	41.8
18.6	26.3	28.1	31.4	34.1	36.0	37.8	39.7	40.5	40.8	41.2	41.3	42.1	43.0	43.5	44.7
19.7	27.6	29.5	33.1	35.9	37.7	39.6	41.6	42.3	42.7	43.1	43.2	44.0	44.8	45.4	46.6
20.6	28.9	30.8	34.4	37.4	39.3	41.2	43.4	44.2	44.5	45.0	45.1	45.8	46.7	47.3	48.5
20.7	29.4	31.4	35.1	38.2	40.0	42.2	44.4	45.2	45.5	45.9	46.1	46.8	47.8	48.4	49.6
22.8	31.7	33.8	37.8	41.0	42.9	45.2	47.4	48.1	48.5	48.9	49.3	49.8	50.8	51.3	52.5
24.6	34.2	36.3	40.5	43.8	45.6	47.9	50.1	51.5	51.8	51.9	52.6	53.6	54.2	55.4	
27.4	37.7	39.8	44.1	47.7	49.7	52.0	54.2	55.2	55.5	55.9	56.0	56.8	57.8	58.3	59.5
27.7	38.6	40.7	45.1	48.7	50.8	53.1	55.3	56.3	56.6	57.0	57.1	57.9	58.9	59.5	60.7
29.1	40.6	43.0	47.6	51.8	53.8	56.3	58.6	59.5	59.9	60.3	60.4	61.2	62.2	62.8	64.0
31.3	45.2	47.5	52.6	57.0	59.3	61.7	64.4	65.4	65.8	66.3	66.4	67.2	68.2	68.9	70.1
32.1	47.5	50.0	55.5	59.9	62.3	64.8	67.5	68.5	69.0	69.5	69.6	70.4	71.4	72.0	73.2
33.1	48.5	51.0	56.5	60.9	63.3	65.8	68.5	69.5	70.0	70.5	70.6	71.4	72.4	73.0	74.2
33.4	49.6	52.1	57.6	62.2	64.7	67.3	70.1	71.1	71.5	72.0	72.1	72.9	73.9	74.6	75.8
34.7	51.0	53.6	59.3	64.1	66.8	69.5	72.6	73.6	74.1	74.7	74.8	75.5	76.5	77.2	78.4
34.4	52.7	55.8	61.7	67.0	69.8	72.8	75.9	76.9	77.4	78.0	78.1	78.8	79.8	80.5	81.7
34.5	53.4	56.9	63.2	69.5	71.4	74.3	77.4	78.4	79.1	79.6	79.7	80.5	81.5	82.1	83.3
34.3	54.3	58.0	64.7	70.4	73.5	76.4	80.0	81.3	81.9	82.5	82.6	83.3	84.3	85.0	86.2
34.3	54.6	58.6	65.7	71.5	74.7	77.6	81.5	82.9	83.6	84.1	84.2	85.0	86.1	86.7	87.9
34.9	54.7	59.3	66.0	72.4	76.2	79.4	84.0	85.7	87.0	87.6	87.8	88.6	89.8	90.5	91.7
34.3	54.7	59.8	66.1	73.0	77.0	80.2	85.5	87.6	89.0	90.1	90.5	91.3	93.1	93.9	95.7
34.9	54.7	59.8	66.1	73.0	77.0	80.2	85.5	87.8	89.8	91.1	91.7	92.9	95.7	96.8	98.0

TOTAL NUMBER OF OBSERVATIONS

112

U. S. AIR FORCE CLIMATOLOGY BRANCH
WAFB TAC
U. S. WEATHER SERVICE/AMAC

CEILING VERSUS VISIBILITY

2

4 LORCOMBE DOWN, OK

73-82

MAE

PER CENTAGE FREQUENCY OF OCCURRENCE
15 DAY HOURLY OBSERVATIONS

000-1100

12.5	16.6	17.7	18.8	19.8	21.2	21.6	21.3	22.5	22.7	23.1	23.1	23.2	23.7	23.7	23.7
18.3	24.9	26.4	28.1	29.6	31.3	32.3	33.3	33.6	33.6	34.1	34.1	34.2	34.2	34.2	34.2
19.3	24.9	26.4	28.1	29.6	31.3	32.3	33.3	33.6	33.6	34.1	34.1	34.2	34.2	34.2	34.2
19.3	24.9	26.4	28.1	29.6	31.3	32.3	33.3	33.6	33.8	34.1	34.1	34.2	34.2	34.2	34.2
17.6	26.2	27.5	29.4	3 .9	32.7	33.7	34.7	34.9	35.1	35.4	35.4	35.5	35.5	35.5	35.5
20.5	27.6	29.4	31.2	32.8	34.5	35.8	36.8	37.2	37.2	37.5	37.5	37.6	37.7	37.7	37.7
21.6	27.8	31.5	33.4	35.1	36.9	38.1	39.1	39.3	39.5	39.8	39.8	40.1	40.1	40.1	40.1
22.3	30.7	32.5	34.5	36.5	38.3	39.5	40.5	40.7	40.9	41.2	41.3	41.4	41.5	41.5	41.6
22.4	31.0	32.8	34.9	36.9	38.6	39.8	40.8	41.1	41.3	41.6	41.6	41.7	41.8	41.9	41.9
22.5	31.2	33.7	35.1	37.1	38.9	40.1	41.1	41.3	41.5	41.8	41.8	41.9	42.1	42.1	42.2
22.3	32.0	33.3	35.9	37.9	39.6	40.9	42.1	42.4	42.5	42.9	42.9	43.2	43.2	43.2	43.3
23.0	32.9	34.9	37.1	39.3	41.1	42.5	43.6	43.9	44.2	44.5	44.5	44.6	44.7	44.7	44.7
24.6	34.7	36.8	39.1	41.3	43.0	44.7	45.8	46.1	46.4	46.7	46.7	46.8	46.9	46.9	47.0
26.3	36.8	39.0	41.4	43.7	45.6	47.2	48.3	48.7	48.9	49.2	49.2	49.3	49.4	49.4	49.5
26.6	37.4	39.6	42.2	44.5	46.4	48.5	49.1	49.6	49.8	50.1	50.1	50.2	50.3	50.3	50.4
27.9	38.9	41.1	43.7	46.1	48.0	49.7	50.8	51.2	51.4	51.8	51.8	51.9	52.1	52.2	52.1
29.7	41.1	43.4	46.3	48.5	50.3	52.0	53.1	53.5	53.6	54.1	54.1	54.2	54.3	54.3	54.4
34.5	46.7	49.1	52.0	54.6	56.6	58.4	59.5	59.9	60.2	60.5	60.5	60.6	60.7	60.7	60.8
36.0	49.6	51.9	54.9	57.6	59.6	61.4	62.5	62.9	63.1	63.5	63.5	63.6	63.7	63.7	63.8
39.3	52.6	55.1	58.1	60.8	62.8	64.6	65.7	66.1	66.3	66.7	66.7	66.8	66.9	66.9	67.0
42.3	57.2	60.4	63.7	66.7	68.7	70.4	71.5	72.0	72.2	72.5	72.5	72.6	72.7	72.7	72.8
43.7	59.8	63.6	67.2	70.2	72.3	74.2	75.4	75.8	76.2	76.5	76.5	76.6	76.7	76.7	76.8
44.3	61.3	65.7	68.9	71.9	74.1	76.5	77.3	77.7	78.0	78.4	78.4	78.5	78.6	78.6	78.7
44.0	63.0	67.7	71.1	74.1	76.5	78.8	80.2	80.7	81.0	81.3	81.3	81.5	81.6	81.6	81.7
45.8	64.6	69.7	73.0	76.0	78.6	81.0	82.7	83.1	83.4	83.8	83.8	83.9	84.0	84.0	84.1
46.2	65.8	71.2	74.7	78.3	80.9	83.8	85.8	86.4	86.8	87.1	87.1	87.2	87.3	87.3	87.4
46.2	66.5	72.3	75.8	79.6	82.5	85.4	87.7	88.5	89.1	89.5	89.5	89.6	89.7	89.7	89.8
46.2	66.3	71.4	76.8	81.3	84.7	88.0	90.7	91.6	92.2	92.7	92.7	92.8	92.9	92.9	93.0
46.2	66.6	71.7	77.6	82.2	85.7	89.4	92.2	93.5	94.3	94.9	94.9	95.0	95.1	95.1	95.3
46.2	66.7	72.0	77.8	82.7	86.2	90.0	93.0	94.5	95.8	96.7	96.7	96.8	96.9	96.9	97.0
46.2	66.7	72.7	77.8	82.8	86.3	90.2	93.5	95.0	96.8	97.8	97.9	98.2	98.7	98.7	98.9
46.2	66.7	72.7	77.8	82.8	86.3	90.2	93.5	95.1	96.9	98.7	99.2	99.6	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

979

CLERICAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3745 BOSCOMBE DOWN UK

73-30

MAP

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOUR OBSERVATIONS

15.0	20.3	21.7	23.4	24.6	25.5	26.1	27.0	27.2	27.4	27.5	27.5	27.7	27.9	28.0	28.2
22.1	28.1	27.9	32.0	33.7	34.9	35.6	36.7	37.0	37.2	37.3	37.3	37.5	37.7	37.8	38.1
22.2	28.2	37.7	32.0	33.7	34.9	35.7	36.8	37.7	37.2	37.3	37.3	37.5	37.7	37.9	38.1
22.2	28.2	30.0	32.1	33.8	34.9	35.7	36.8	37.1	7.3	37.4	37.4	37.5	37.8	37.9	38.2
22.7	28.9	30.7	32.8	34.6	35.7	36.5	37.6	37.9	38.1	38.2	38.2	39.4	38.6	39.7	39.7
23.3	29.9	31.9	34.1	36.0	37.1	38.0	39.1	39.4	39.6	39.7	39.7	39.9	40.1	40.3	40.6
24.3	31.3	33.4	35.7	37.6	38.8	39.7	40.8	41.1	41.3	41.4	41.4	41.6	41.8	42.0	42.2
24.7	32.0	34.0	36.4	38.3	39.6	40.5	41.6	41.9	42.1	42.2	42.2	42.4	42.6	42.7	43.0
25.1	32.3	34.4	36.7	38.7	39.9	40.8	42.0	42.2	42.4	42.5	42.5	42.7	43.0	43.1	43.4
25.2	32.5	34.6	37.0	38.9	40.2	41.0	42.2	42.5	42.7	42.8	42.8	42.9	43.2	43.3	43.6
25.7	33.4	35.5	37.8	39.8	41.1	42.0	43.2	43.5	43.7	43.8	43.8	44.0	44.2	44.3	44.6
27.1	35.5	37.9	40.6	42.7	44.1	45.2	46.4	46.7	46.9	47.1	47.1	47.3	47.5	47.6	47.9
28.5	37.3	39.8	42.6	44.9	46.3	47.4	48.7	49.7	49.3	49.4	49.4	49.6	49.8	50.0	50.2
29.9	39.2	41.7	44.6	46.9	48.4	49.5	50.9	51.2	51.4	51.6	51.6	51.8	52.0	52.1	52.4
30.7	40.3	42.8	45.8	48.1	49.6	50.8	52.2	52.5	52.7	52.8	52.8	53.0	53.3	53.4	53.7
32.8	43.1	45.8	49.0	51.4	52.9	54.1	55.5	55.8	56.0	56.1	56.1	56.3	56.6	56.7	57.0
35.5	46.6	49.5	52.8	55.3	56.8	58.0	59.4	59.7	60.0	60.1	60.1	60.3	60.5	60.7	61.0
38.2	51.4	54.5	58.1	60.8	62.4	63.6	65.1	65.4	65.7	65.9	65.9	66.0	66.3	66.4	66.7
40.2	53.2	56.4	60.2	63.0	64.7	65.9	67.3	67.7	67.9	68.1	68.1	68.3	68.5	68.7	69.0
41.9	55.9	59.3	63.3	66.3	68.0	69.2	70.7	71.1	71.4	71.5	71.5	71.7	72.0	72.2	72.4
43.8	59.6	63.5	67.8	71.1	73.0	74.2	75.8	76.3	76.6	76.7	76.7	76.9	77.2	77.3	77.6
44.6	61.5	65.5	70.3	73.7	75.6	76.9	78.7	79.2	79.5	79.6	79.7	79.8	80.1	80.3	80.5
44.9	62.4	66.5	71.5	74.9	76.9	78.2	80.0	80.5	80.8	81.0	81.0	81.2	81.4	81.6	81.9
45.2	63.4	67.7	72.8	76.3	78.4	79.9	81.9	82.3	82.6	82.8	82.8	83.0	83.3	83.4	83.7
45.6	64.5	69.0	74.3	78.0	80.1	81.6	83.9	84.4	84.7	84.8	84.9	85.1	85.3	85.5	85.8
45.7	65.5	70.2	75.8	80.0	82.3	84.1	86.4	86.9	87.3	87.4	87.5	87.6	87.9	88.1	88.4
46.7	66.1	71.1	77.0	81.3	83.8	85.8	88.3	88.8	89.3	89.4	89.5	89.6	89.9	90.1	90.4
46.2	66.7	71.8	78.1	82.7	85.3	87.4	90.3	91.1	91.6	91.9	91.9	92.1	92.3	92.5	92.8
46.3	67.1	72.5	79.2	84.0	86.9	89.1	92.3	93.2	93.8	94.1	94.1	94.3	94.6	94.8	95.0
46.3	67.3	72.7	79.6	84.6	87.6	90.0	93.5	94.8	95.5	95.9	95.9	96.1	96.4	96.5	96.8
46.3	67.3	72.8	79.7	84.8	88.0	90.4	94.2	95.6	96.7	97.1	97.2	97.5	97.9	98.1	98.6
46.3	67.3	72.8	79.7	84.8	88.0	90.4	94.2	95.7	96.9	97.4	97.6	97.9	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

7279

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-82 BOSCOMBE DOWN UK

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-2000

24.1	35.3	37.7	41.0	42.7	43.7	44.5	45.5	45.8	46.1	46.2	46.2	46.4	46.5	46.5	46.7
27.7	42.2	44.7	48.5	50.6	51.9	53.1	54.6	54.8	55.2	55.3	55.3	55.5	55.6	55.6	55.9
29.8	42.4	44.8	48.6	50.7	52.0	53.2	54.7	54.9	55.3	55.4	55.4	55.6	55.7	55.7	56.1
29.8	42.4	45.7	48.7	50.8	52.1	53.3	54.8	55.0	55.4	55.5	55.5	55.7	55.8	55.8	56.2
30.0	42.6	45.3	49.0	51.2	52.4	53.7	55.2	55.4	55.7	55.8	55.8	56.1	56.2	56.2	56.5
30.6	43.5	46.3	50.3	52.8	54.0	55.4	57.1	57.3	57.6	57.8	57.8	58.0	58.1	58.1	58.4
31.0	44.1	46.9	50.8	53.5	54.7	56.2	58.0	58.3	58.8	58.9	58.9	59.1	59.2	59.2	59.6
31.3	44.3	47.1	51.1	53.7	54.9	56.4	58.2	58.6	59.0	59.1	59.1	59.3	59.5	59.5	59.8
31.3	44.7	47.6	51.5	54.1	55.4	56.9	58.7	59.0	59.5	59.6	59.6	59.8	59.9	59.9	60.2
31.9	45.6	48.5	52.9	55.6	56.9	58.4	60.4	60.7	61.2	61.3	61.3	61.5	61.6	61.6	61.9
32.2	47.0	50.1	54.6	57.6	59.0	60.7	62.7	63.1	63.6	63.8	63.8	64.0	64.1	64.1	64.4
33.0	48.5	51.6	56.3	60.0	61.6	63.4	65.5	65.8	66.4	66.5	66.5	66.7	66.8	66.8	67.2
34.2	50.3	53.6	58.3	62.2	63.8	65.8	68.1	68.6	69.2	69.3	69.3	69.5	69.6	69.6	70.0
34.7	51.8	55.2	60.1	64.0	65.6	67.7	70.1	70.7	71.2	71.3	71.3	71.6	71.7	71.7	72.0
36.5	54.6	58.0	63.2	67.2	69.0	71.1	73.6	74.2	74.7	74.9	74.9	75.1	75.2	75.2	75.5
37.1	55.8	59.3	64.7	69.1	70.9	73.0	75.7	76.2	76.8	76.9	76.9	77.1	77.2	77.2	77.6
39.0	59.6	63.2	68.6	73.3	75.1	77.2	79.8	80.4	81.0	81.1	81.1	81.3	81.4	81.4	81.8
39.8	60.7	64.3	70.0	74.6	76.4	78.6	81.2	81.8	82.3	82.4	82.4	82.7	82.8	82.8	83.1
40.0	61.7	65.3	71.0	75.8	77.7	79.8	82.4	83.2	83.8	83.9	83.9	84.1	84.3	84.3	84.6
41.1	64.3	68.0	73.8	79.0	81.0	83.1	85.8	86.6	87.2	87.3	87.3	87.5	87.7	87.7	88.0
41.6	65.3	69.3	75.4	80.6	82.8	84.9	87.7	88.4	89.0	89.1	89.1	89.4	89.5	89.5	89.8
41.9	66.3	70.0	76.1	81.3	83.5	85.6	88.6	89.4	89.9	90.0	90.0	90.3	90.4	90.4	90.7
42.5	67.0	71.2	77.3	82.6	84.9	87.1	90.1	90.9	91.5	91.6	91.6	91.8	92.0	92.0	92.3
42.9	68.3	72.5	78.6	83.8	86.3	88.6	91.7	92.5	93.1	93.2	93.2	93.4	93.5	93.5	93.9
42.9	68.6	72.8	79.3	84.6	87.1	89.4	92.5	93.3	93.9	94.0	94.0	94.2	94.3	94.3	94.7
43.0	69.2	73.4	79.8	85.2	87.8	90.1	93.3	94.1	94.7	94.8	94.8	95.0	95.1	95.1	95.5
43.0	69.9	74.1	80.5	85.8	88.6	91.2	94.3	95.2	95.8	95.9	95.9	96.1	96.3	96.3	96.6
43.7	70.1	74.3	81.0	86.4	89.1	91.8	95.5	96.4	96.9	97.1	97.1	97.3	97.4	97.4	97.7
43.0	70.1	74.3	81.1	86.5	89.2	92.0	95.9	96.8	97.4	97.5	97.5	97.7	97.8	97.8	98.2
43.7	70.1	74.3	81.1	86.7	89.8	92.6	96.9	98.0	98.5	98.6	98.6	98.8	99.0	99.1	99.5
43.0	70.1	74.3	81.1	86.7	89.9	92.8	97.1	98.1	98.6	98.9	99.0	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 883

1
2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

19850 BOSCOMBE DOWN UK

73-80

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1300-0500

16.1	24.4	26.1	29.2	31.8	32.6	33.3	34.3	34.7	34.7	34.9	34.9	35.0	35.3	35.4	35.9
19.7	30.5	32.6	36.0	39.0	40.2	41.2	42.5	43.1	43.1	43.2	43.2	43.3	43.7	43.8	44.3
19.7	30.5	32.6	36.0	39.0	40.2	41.2	42.5	43.1	43.1	43.2	43.2	43.3	43.7	43.8	44.3
19.7	30.5	32.6	36.0	39.0	40.2	41.2	42.5	43.1	43.1	43.2	43.2	43.3	43.7	43.8	44.3
19.8	30.6	32.7	36.1	39.1	40.4	41.5	42.7	43.3	43.3	43.4	43.4	43.5	44.0	44.1	44.5
20.0	31.1	33.3	36.7	39.6	41.0	42.0	43.3	43.8	43.8	44.0	44.0	44.1	44.5	44.6	45.1
20.6	32.2	34.4	37.9	40.9	42.5	43.5	44.8	45.3	45.2	45.4	45.4	45.6	46.0	46.1	46.6
21.2	33.1	35.3	38.8	41.8	43.4	44.4	45.7	46.4	46.4	46.5	46.5	46.6	47.0	47.2	47.6
21.2	33.1	35.3	38.8	41.8	43.4	44.4	45.7	46.4	46.4	46.5	46.5	46.6	47.0	47.2	47.6
21.3	33.4	35.6	39.2	42.3	44.0	45.0	46.2	46.9	46.9	47.0	47.0	47.2	47.5	47.7	48.2
22.5	34.9	37.1	40.9	44.1	45.9	46.9	48.3	49.1	49.1	49.3	49.3	49.4	49.9	50.0	50.5
23.3	37.0	39.5	43.5	47.3	49.2	50.7	52.5	53.4	53.4	53.6	53.6	53.8	54.3	54.4	55.1
24.1	38.3	40.9	45.1	49.2	51.1	52.6	54.6	55.5	55.5	55.8	55.8	55.9	56.5	56.6	57.3
24.6	38.8	41.7	46.0	50.6	52.5	54.1	56.0	56.9	57.1	57.4	57.4	57.6	58.2	58.3	59.2
24.9	39.9	42.8	47.4	51.9	53.9	55.5	57.4	58.4	58.5	59.0	59.0	59.2	59.8	59.9	60.8
27.3	43.7	46.9	51.5	56.2	58.2	59.9	61.8	63.7	63.1	63.6	63.6	63.8	64.4	64.5	65.4
28.5	46.0	49.3	54.0	58.8	60.8	62.5	64.6	65.7	65.8	66.3	66.3	66.5	67.1	67.2	68.1
29.8	48.5	51.9	57.1	61.8	64.1	65.8	68.1	69.1	69.4	69.8	69.8	70.0	70.6	70.7	71.6
30.9	50.5	54.0	59.2	64.1	66.5	68.2	70.5	71.6	71.9	72.3	72.3	72.6	73.1	73.2	74.1
32.6	52.4	56.2	61.4	66.3	68.7	70.4	72.7	73.9	74.3	74.7	74.7	74.9	75.5	75.6	76.5
33.8	55.2	59.5	64.7	69.6	72.0	73.7	76.1	77.3	77.7	78.1	78.1	78.5	79.0	79.2	80.1
34.6	57.4	61.8	67.1	72.4	74.9	76.8	79.2	80.4	80.8	81.2	81.2	81.5	82.1	82.2	83.1
34.6	57.6	62.3	67.7	73.0	75.5	77.4	80.0	81.2	81.5	82.0	82.0	82.3	82.9	83.0	83.9
34.7	58.4	63.2	68.6	74.1	76.7	78.6	81.2	82.7	83.0	83.5	83.5	83.8	84.4	84.5	85.4
35.1	60.0	65.0	70.4	76.1	78.6	80.8	83.4	84.9	85.2	85.6	85.6	86.0	86.6	86.7	87.6
35.5	60.7	65.9	71.4	77.2	79.7	82.0	84.7	86.2	86.6	87.0	87.0	87.4	87.9	88.0	89.0
35.8	61.7	67.7	72.7	78.5	81.3	83.6	86.3	87.8	88.2	88.6	88.6	89.0	89.5	89.6	90.5
35.8	62.1	67.5	73.5	79.3	82.2	84.7	88.0	89.6	90.1	90.5	90.5	90.9	91.5	91.6	92.5
35.9	62.3	68.0	73.9	80.2	83.4	86.3	90.1	91.7	92.1	92.6	92.6	92.9	93.5	93.6	94.5
35.9	62.3	68.1	74.0	80.3	83.8	86.9	90.9	92.5	93.1	93.5	93.5	93.8	94.4	94.5	95.4
35.9	62.3	68.1	74.4	80.6	84.5	87.7	92.3	93.8	95.1	95.6	95.6	95.9	96.8	96.9	98.3
35.9	62.3	68.1	74.4	80.6	84.5	87.7	92.3	94.0	95.2	95.9	95.9	96.2	97.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

37460 BOSCOMBE DOWN UK

73-87

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1600-1800

14.5	21.5	21.3	23.7	26.0	27.0	27.7	28.6	28.9	29.0	29.3	29.4	29.4	29.4	29.4	30.0
16.7	27.7	29.1	32.7	35.4	36.8	37.9	39.1	39.6	39.9	40.1	40.4	40.4	40.5	40.5	41.2
18.8	27.9	29.4	32.9	35.7	37.2	38.2	39.5	39.9	40.2	40.5	40.7	40.7	40.8	40.8	41.5
18.9	28.0	29.5	33.1	35.9	37.4	38.4	39.7	40.1	40.5	40.7	40.9	40.9	41.0	41.0	41.7
19.4	28.6	30.0	33.7	36.6	38.1	39.1	40.4	40.8	41.2	41.4	41.6	41.6	41.7	41.7	42.4
19.7	29.1	30.6	34.2	37.2	38.7	39.7	41.0	41.5	41.8	42.1	42.3	42.3	42.4	42.4	43.1
20.4	30.8	32.5	36.4	39.7	41.2	42.3	43.7	44.1	44.4	44.7	44.9	44.9	45.0	45.0	45.7
20.9	31.9	33.6	37.4	40.7	42.2	43.3	44.7	45.1	45.7	46.0	46.3	46.3	46.4	46.4	47.1
21.0	32.1	33.8	37.6	40.9	42.4	43.5	44.9	45.4	45.9	46.3	46.5	46.5	46.6	46.6	47.3
21.1	32.4	34.1	38.0	41.3	42.7	43.9	45.2	45.7	46.3	46.6	46.8	46.8	46.9	46.9	47.6
21.7	33.3	35.1	39.5	42.7	44.2	45.4	46.8	47.3	47.8	48.2	48.4	48.4	48.5	48.5	49.2
23.9	36.6	38.5	43.3	46.8	48.3	49.9	51.8	52.4	52.7	53.4	53.6	53.6	53.9	53.9	54.5
24.8	38.5	40.6	45.6	49.1	50.6	52.2	54.2	54.8	55.4	55.9	56.1	56.1	56.6	56.6	57.4
25.2	39.8	42.0	47.2	50.8	52.4	54.2	56.5	57.1	57.8	58.3	58.5	58.5	59.0	59.0	59.6
26.2	41.4	43.5	48.8	52.4	54.0	55.9	58.2	59.0	59.5	60.1	60.3	60.3	60.8	60.8	61.6
27.9	43.5	45.7	50.9	54.5	56.2	58.2	60.4	61.2	61.9	62.5	62.7	62.7	63.2	63.2	63.9
28.3	44.9	47.1	52.5	56.2	57.9	60.0	62.4	63.2	63.9	64.5	64.7	64.7	65.2	65.2	66.0
30.5	48.3	50.6	56.0	60.0	61.7	63.7	66.3	67.2	68.0	68.6	68.8	68.8	69.3	69.3	70.1
31.6	50.6	52.9	58.5	62.5	64.2	66.2	68.8	69.7	70.5	71.1	71.3	71.3	71.8	71.8	72.6
32.8	51.9	54.9	60.4	64.4	66.1	68.1	70.7	71.8	72.6	73.1	73.4	73.5	73.9	73.9	74.7
34.9	55.1	58.2	63.9	67.9	69.7	71.8	74.4	75.4	76.2	76.8	77.0	77.1	77.6	77.6	78.3
35.5	56.5	59.9	66.1	70.5	72.3	74.4	77.1	78.1	78.9	79.7	79.9	80.0	80.5	80.5	81.3
35.7	57.4	61.3	67.8	72.6	74.5	76.5	79.4	80.4	81.2	82.0	82.2	82.3	82.8	82.8	83.6
36.1	58.0	62.1	68.6	73.5	75.4	77.6	80.5	81.5	82.3	83.1	83.3	83.4	83.9	83.9	84.7
36.4	58.8	63.0	69.8	75.2	77.1	79.4	82.5	83.6	84.4	85.1	85.4	85.5	85.9	85.9	86.7
36.5	59.9	64.5	71.4	77.0	79.1	81.7	85.1	86.3	87.1	87.9	88.1	88.2	88.7	88.7	89.5
36.5	60.2	65.1	72.1	78.0	80.2	82.9	86.4	87.5	88.3	89.1	89.3	89.5	89.9	89.9	90.7
36.5	60.8	65.9	72.9	78.9	81.2	84.0	87.9	89.1	90.0	90.9	91.2	91.3	91.7	91.7	92.5
36.5	60.8	65.9	73.1	79.5	81.9	85.4	90.0	91.4	92.3	93.2	93.4	93.5	94.0	94.0	94.8
36.5	60.8	65.9	73.1	79.7	82.2	85.7	90.7	92.4	93.4	94.3	94.6	94.7	95.2	95.4	96.1
36.5	60.8	65.9	73.2	79.8	82.3	85.8	90.9	92.6	93.9	95.1	95.7	96.0	96.9	97.1	98.0
36.5	60.8	65.9	73.2	79.8	82.3	85.8	91.0	92.7	94.0	95.2	95.8	96.1	97.3	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 882

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-87
BOSCOMBE DOWN UK

73-87

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

13.9	18.7	20.1	21.9	22.5	23.2	24.2	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5
22.7	29.6	31.8	34.0	35.4	36.4	37.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
22.7	29.6	31.8	34.0	35.4	36.4	37.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
22.7	29.6	31.8	34.0	35.4	36.4	37.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.7
23.3	30.3	32.5	34.8	36.3	37.3	38.9	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.7
24.5	31.7	33.8	36.3	37.8	38.8	40.4	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.2
26.5	33.9	36.1	38.6	40.2	41.2	42.9	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.7
27.5	35.4	37.7	40.3	42.0	43.0	44.9	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.7
27.6	35.7	38.0	40.6	42.3	43.3	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.0
27.7	35.9	38.1	40.7	42.4	43.4	45.4	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.2
28.4	36.9	39.3	42.2	44.0	45.0	46.9	47.3	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.9
30.9	40.4	43.1	46.2	48.4	49.4	51.4	51.7	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.3
33.1	43.6	46.4	49.4	52.0	53.1	55.0	55.3	55.5	55.7	55.8	55.8	55.8	55.8	55.8	56.0
35.6	46.4	49.3	52.4	55.2	56.3	58.3	58.6	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.3
36.4	47.2	50.1	53.2	56.0	57.1	59.0	59.4	59.6	59.7	59.8	59.8	59.8	59.8	59.8	60.1
38.0	49.0	52.0	55.1	57.9	59.2	61.1	61.5	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.2
41.0	52.4	55.7	58.9	61.9	63.1	65.0	65.5	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.2
45.5	58.5	61.9	65.3	68.2	69.5	71.4	71.8	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.5
47.4	61.0	64.4	67.9	70.8	72.1	74.0	74.4	74.7	74.8	74.9	74.9	74.9	74.9	74.9	75.1
49.8	64.1	67.8	71.3	74.3	75.6	77.5	77.9	78.2	78.3	78.4	78.4	78.4	78.4	78.4	78.6
52.5	68.6	72.9	76.7	80.2	81.4	83.4	83.8	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.5
53.2	70.1	74.5	78.4	82.4	83.7	85.7	86.3	86.5	86.8	86.9	86.9	86.9	86.9	86.9	87.1
53.4	70.6	75.0	79.2	83.6	85.0	87.1	87.7	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.5
53.8	71.5	76.1	80.7	85.6	87.1	89.5	90.0	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.8
54.2	72.6	77.5	82.0	87.3	89.1	91.7	92.3	92.5	92.8	92.9	92.9	92.9	92.9	92.9	93.1
54.2	73.5	78.6	83.1	88.6	90.5	93.3	94.0	94.2	94.5	94.6	94.6	94.6	94.6	94.6	94.9
54.2	73.8	79.0	83.7	89.7	91.7	95.0	95.8	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.8
54.2	73.9	79.1	83.8	90.2	92.4	95.8	96.8	97.3	97.5	97.7	97.7	97.7	97.7	97.7	98.0
54.2	73.9	79.1	83.8	90.4	92.6	96.0	97.2	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.6
54.2	73.9	79.1	83.8	90.4	92.6	96.0	97.3	98.0	98.3	98.6	98.9	99.0	99.0	99.0	99.2
54.2	73.9	79.1	83.8	90.4	92.6	96.0	97.3	98.0	98.3	98.6	99.0	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

584

CEILING VERSUS VISIBILITY

APR

1242-1422

17.6	22.4	23.6	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
26.2	32.8	34.0	36.3	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
26.2	32.8	34.0	36.3	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
26.2	32.8	34.0	36.3	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
26.7	33.2	34.5	36.8	37.2	37.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
27.7	34.4	35.7	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
29.4	36.1	37.5	40.2	40.7	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
30.6	38.3	39.7	42.4	43.0	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
30.9	39.0	40.3	43.1	43.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
31.1	39.3	40.7	43.4	44.0	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
32.6	41.1	42.6	45.5	46.2	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
37.9	47.7	49.4	52.5	53.2	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
44.3	55.3	57.0	60.2	60.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
47.7	61.4	63.2	66.6	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
52.0	64.1	66.0	69.3	70.1	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
54.9	67.8	69.8	73.1	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
58.4	71.6	73.7	77.0	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
63.8	78.5	80.6	84.0	85.3	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
64.6	79.7	81.7	85.0	86.7	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
65.5	81.4	83.9	88.0	88.9	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
66.7	83.1	86.2	90.6	91.4	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
67.5	84.1	87.4	91.8	92.8	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
67.6	84.4	87.6	92.2	93.2	93.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
67.6	84.6	87.8	92.6	93.9	94.0	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
67.6	85.1	88.4	93.3	94.7	94.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
67.6	85.2	88.5	93.4	95.1	95.4	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
67.6	85.2	88.5	93.8	95.5	96.0	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
67.6	85.3	88.6	94.3	96.2	96.7	97.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
67.6	85.5	88.9	94.6	96.6	97.2	98.9	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
67.6	85.5	88.9	94.6	96.7	97.4	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
67.6	85.5	88.9	94.6	96.7	97.4	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
67.6	85.5	88.9	94.6	96.7	97.4	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

875

CLIMATE CLIMATOLOGY BRANCH
 DAFSTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1940 BOSCOMBE DOWN UK

73-82

APP

PERCENTAGE RELATIONSHIP OF CORRELATION
 FROM HOURLY OBSERVATIONS

1930-1939

19.7	24.5	26.1	26.6	26.6	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
33.2	39.7	41.5	42.3	42.4	42.4	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
33.2	39.7	41.5	42.3	42.4	42.4	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
33.2	39.7	41.5	42.3	42.4	42.4	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
33.6	40.2	42.1	42.8	43.0	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
34.3	41.3	43.1	43.9	44.0	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
35.7	43.5	45.5	46.4	46.5	46.5	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
36.7	44.8	46.7	48.0	48.1	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
36.7	44.9	46.8	48.1	48.2	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
37.1	45.5	47.4	48.6	48.8	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
38.9	48.1	50.3	51.3	51.4	51.4	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
47.5	58.3	67.3	67.0	62.2	62.2	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
54.7	66.9	69.1	71.0	71.3	71.4	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
57.4	70.0	72.2	74.3	74.5	74.7	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
58.1	71.3	73.5	75.7	75.9	76.0	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
58.5	74.1	76.4	78.6	78.9	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
63.4	78.3	81.7	83.0	83.2	83.3	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
66.7	82.8	85.2	87.6	87.8	88.0	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
67.5	84.3	86.8	89.3	89.5	89.7	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
68.2	86.1	88.9	91.6	91.8	91.9	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
69.4	88.1	91.1	93.9	94.3	94.4	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
69.5	88.5	91.5	94.3	94.9	95.0	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
69.7	88.8	91.7	94.5	95.2	95.3	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
69.7	88.8	91.7	94.9	95.8	95.9	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
69.7	89.0	92.2	95.5	96.5	96.6	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
69.7	89.1	92.3	95.8	97.0	97.3	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
69.7	89.1	92.3	96.1	97.5	97.8	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
69.9	89.3	92.5	96.4	97.8	98.2	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
69.9	89.3	92.5	96.4	98.1	98.4	98.9	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
69.9	89.3	92.5	96.4	98.2	98.5	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
69.9	89.3	92.5	96.4	98.2	98.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
69.9	89.3	92.5	96.4	98.2	98.5	99.0	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 880

JUNIOR CLIMATOLOGY BRANCH
 CRAFTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1960-1961 BOSCOMBE DOWN UK

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1900-2000

23.7	30.7	31.9	33.7	33.7	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
35.9	46.5	48.2	50.2	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
35.9	46.5	48.2	50.2	51.1	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
36.5	47.3	49.7	51.1	52.0	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
37.3	48.9	51.6	52.7	53.8	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2
38.6	51.0	52.9	55.1	56.2	56.3	56.6	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9
38.7	51.4	53.3	55.4	56.8	56.9	57.2	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6
38.7	51.7	53.6	55.8	57.1	57.2	57.8	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1
38.8	52.3	54.2	56.4	57.8	57.9	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8
40.7	54.0	55.9	58.1	59.5	59.6	60.2	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5
43.2	56.7	61.1	64.1	65.6	65.8	66.5	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9
46.5	63.6	66.5	69.6	71.4	71.7	72.5	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	72.9
49.1	67.0	69.9	73.6	75.2	75.6	76.4	76.6	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.7
50.1	68.7	71.6	75.3	76.9	77.3	78.2	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5
52.5	72.3	75.5	79.4	81.1	81.4	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8
54.1	74.3	77.7	81.7	83.5	83.8	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
55.9	77.1	80.9	85.1	86.9	87.2	88.3	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7
56.2	77.9	81.8	86.0	87.9	88.2	89.4	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
56.6	78.7	82.6	87.0	88.9	89.3	90.5	90.8	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0
57.7	80.3	84.3	88.9	91.1	91.4	92.6	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
57.8	81.0	85.4	90.2	92.3	92.6	93.9	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5
57.9	81.3	85.9	90.7	92.9	93.3	94.6	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
58.7	81.7	86.2	91.1	93.3	93.8	95.0	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
58.1	81.8	86.3	91.4	93.9	94.3	95.7	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4
58.1	81.9	86.5	91.9	94.6	95.4	96.7	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
58.1	82.0	86.9	92.3	95.0	95.9	97.3	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
58.1	82.0	87.1	92.9	95.6	96.5	98.0	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
58.1	82.0	87.3	93.1	95.8	96.7	98.4	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4
58.1	82.0	87.3	93.1	95.8	96.8	98.5	99.4	99.4	99.5	99.5	99.5	99.7	99.7	99.7	99.7
58.1	82.0	87.3	93.1	95.8	96.8	98.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
58.1	82.0	87.3	93.1	95.8	96.8	98.5	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 584

FEDERAL CLIMATOLOGY BRANCH
WASH DC
AD WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

1940-1949 DOWNSIDE DOWN UK

73-80

APP

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM 1940-1949

1100-2300

27.7	38.8	41.5	43.3	44.8	46.6	46.7	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.6	46.6
34.7	47.3	50.9	52.8	55.0	56.2	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.5	57.6
34.7	47.3	50.9	52.8	55.0	56.2	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.5	57.6
34.9	47.3	50.9	52.8	55.0	56.2	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.5	57.6
35.0	47.6	51.4	53.3	55.4	56.7	57.1	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.9	58.0	58.1
35.6	48.5	52.3	54.2	56.4	57.7	58.1	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.9	59.0	59.1
36.3	49.7	53.5	55.8	58.2	59.6	60.0	60.6	60.7	60.9	60.8	60.8	60.8	60.8	60.9	61.0	61.1
36.5	49.9	53.7	56.3	58.9	60.3	60.7	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.7	61.9	61.9
36.6	50.0	53.8	56.4	59.0	60.4	60.7	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.9	62.0	62.1
36.9	50.3	54.2	56.8	59.5	60.9	61.3	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.6
37.2	51.1	55.3	57.9	60.7	62.2	62.6	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.7	63.8	63.9
38.8	53.6	58.2	61.4	64.8	66.4	66.9	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.9	68.1	68.1
40.0	55.9	60.7	64.3	68.2	69.9	70.4	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.6	71.6
40.6	57.4	62.4	66.5	70.3	72.0	72.6	73.1	73.4	73.5	73.5	73.5	73.5	73.5	73.6	73.7	73.7
41.5	58.9	64.1	68.1	72.0	73.8	74.4	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75.7	75.7
42.7	61.7	67.3	71.4	76.1	78.0	78.8	79.6	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.2	80.2
43.7	64.6	70.3	74.6	79.3	81.3	82.1	83.0	83.4	83.5	83.5	83.5	83.5	83.5	83.6	83.7	83.7
44.1	66.5	72.7	77.4	82.2	84.4	85.2	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.9	87.0	87.0
44.7	67.7	73.5	78.3	83.2	85.4	86.3	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.3	88.3
44.8	67.5	74.0	79.0	83.9	86.1	87.0	88.3	88.7	88.9	88.9	88.9	88.9	88.9	89.1	89.2	89.2
45.3	69.2	76.1	81.9	85.8	88.0	88.9	90.2	90.9	91.1	91.1	91.1	91.1	91.1	91.2	91.3	91.3
46.3	70.0	76.7	82.1	87.0	89.3	90.3	91.5	92.2	92.4	92.4	92.4	92.4	92.4	92.6	92.7	92.7
46.3	70.2	77.0	82.3	87.2	89.5	90.5	91.8	92.4	92.7	92.7	92.7	92.7	92.7	92.8	92.9	92.9
46.6	70.9	77.8	83.2	88.3	90.5	91.5	92.9	93.6	93.8	93.8	93.8	93.8	93.8	93.9	94.0	94.0
46.6	71.1	78.1	83.5	88.7	91.1	92.1	93.6	94.2	94.5	94.5	94.5	94.5	94.5	94.6	94.7	94.7
46.7	71.3	78.4	84.1	89.3	91.6	92.7	94.2	94.9	95.1	95.1	95.1	95.1	95.1	95.3	95.4	95.4
46.8	71.8	79.0	84.7	89.8	92.2	93.2	94.8	95.5	95.7	95.7	95.7	95.7	95.7	95.8	95.9	95.9
46.8	71.9	79.2	85.2	90.5	92.9	93.9	95.8	96.5	96.7	96.7	96.7	96.7	96.7	96.8	97.0	97.0
46.8	71.9	79.2	85.4	90.9	93.3	94.4	96.6	97.3	97.5	97.5	97.5	97.5	97.5	97.6	97.7	97.7
46.8	71.9	79.5	85.9	91.4	93.9	95.0	97.4	98.1	98.4	98.5	98.5	98.5	98.5	98.6	98.8	98.8
46.8	71.9	79.5	86.0	91.5	94.0	95.1	97.7	98.5	99.0	99.1	99.1	99.1	99.1	99.2	99.3	99.3
46.8	71.9	79.5	86.0	91.5	94.1	95.3	97.9	98.6	99.2	99.3	99.3	99.3	99.3	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

886

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

13467 BOSCOMBE DOWN UK

73-82

MAY

PERIOD OF RECORD: 1973-1982
 1000 HOUR OBSERVATIONS

101-10

34.3	33.7	36.5	38.7	40.7	41.6	42.3	43.4	43.4	43.4	43.4	43.4	43.6	44.2	44.7	44.6	44.7
35.2	41.1	44.4	47.0	49.7	50.2	50.9	52.1	52.1	52.2	52.5	52.5	52.5	53.0	53.1	53.4	53.4
35.3	41.1	44.4	47.0	49.7	50.2	50.9	52.1	52.1	52.2	52.5	52.5	52.5	53.0	53.1	53.4	53.4
35.3	41.2	44.5	47.1	49.1	50.3	51.0	52.2	52.2	52.3	52.6	52.6	53.1	53.2	53.5	53.5	53.5
35.7	42.1	45.4	48.1	50.1	51.3	52.0	53.2	53.2	53.3	53.6	53.6	54.1	54.2	54.5	54.5	54.5
39.0	42.6	45.2	48.6	51.6	51.8	52.6	53.8	53.9	53.9	54.1	54.1	54.5	54.5	54.5	54.5	54.5
39.5	43.6	47.7	49.7	51.7	53.3	54.0	55.2	55.2	55.3	55.5	55.5	56.1	56.2	56.5	56.5	56.5
39.7	44.4	46.0	50.9	52.9	54.5	55.6	56.8	56.8	56.9	57.2	57.2	57.7	57.8	58.1	58.1	58.1
39.7	44.5	46.3	51.3	53.2	54.9	56.0	57.2	57.2	57.3	57.5	57.5	58.0	58.1	58.5	58.5	58.5
39.1	45.1	49.1	51.9	54.0	55.7	56.8	58.0	59.0	58.1	58.4	58.4	58.9	59.0	59.3	59.3	59.3
39.7	46.1	49.9	53.1	55.4	57.2	58.4	59.7	59.7	59.8	60.0	60.0	60.5	60.7	61.0	61.0	61.0
39.1	49.3	53.1	56.3	58.7	60.8	62.1	63.4	63.4	63.5	63.7	63.7	64.3	64.4	64.7	64.7	64.7
34.3	52.3	56.2	59.3	61.7	63.8	65.2	66.8	66.8	66.9	67.1	67.1	67.7	67.8	68.1	68.1	68.1
34.3	52.9	57.7	60.2	62.6	64.8	66.2	67.9	67.9	68.0	68.2	68.2	68.7	68.7	68.9	68.9	68.9
35.4	54.3	58.5	61.6	64.2	66.3	67.9	69.6	69.6	69.7	69.9	69.9	70.5	70.6	70.9	70.9	70.9
36.4	56.2	60.3	63.7	66.3	68.5	70.1	71.8	71.8	71.9	72.1	72.1	72.7	72.8	73.1	73.1	73.1
37.3	57.7	61.9	65.4	68.0	70.2	71.8	73.6	73.6	73.7	73.9	73.9	74.4	74.5	74.9	74.9	74.9
37.7	59.3	63.6	67.1	69.8	72.1	73.9	75.6	75.6	75.7	76.0	76.0	76.5	76.5	76.9	76.9	76.9
38.3	59.9	64.3	67.9	70.6	72.9	74.6	76.6	76.6	76.7	76.9	76.9	77.5	77.5	77.9	77.9	77.9
38.4	61.2	66.0	69.8	72.6	75.0	76.8	78.8	78.8	78.9	79.2	79.2	79.8	79.9	80.2	80.2	80.2
39.3	63.5	68.7	72.8	75.6	78.0	80.0	82.0	82.0	82.1	82.4	82.4	83.1	83.2	83.5	83.5	83.5
39.6	64.5	69.9	74.3	77.3	79.7	81.5	83.6	83.6	83.7	84.0	84.0	84.7	84.8	85.1	85.1	85.1
39.9	65.5	70.9	75.3	78.3	80.7	82.6	84.6	84.6	84.7	85.0	85.0	85.7	85.8	86.1	86.1	86.1
40.3	66.3	72.0	76.4	79.6	82.0	83.9	85.9	85.9	86.0	86.3	86.3	87.0	87.1	87.4	87.4	87.4
40.4	67.1	73.1	77.7	81.0	83.4	85.4	87.3	87.4	87.5	87.9	87.9	88.5	88.6	89.0	89.0	89.0
40.7	68.2	74.3	79.2	82.7	85.2	87.4	89.5	89.7	89.8	90.2	90.2	90.8	90.9	91.3	91.3	91.3
40.9	68.7	75.3	80.0	83.5	86.0	88.2	90.4	90.6	90.8	91.1	91.1	91.8	91.9	92.2	92.2	92.2
40.9	69.4	75.7	81.1	84.7	87.2	89.4	91.6	91.8	92.0	92.3	92.3	93.0	93.1	93.4	93.4	93.4
40.9	69.7	76.3	81.9	85.7	88.2	90.4	92.7	93.2	93.6	93.9	94.0	94.6	94.6	95.1	95.1	95.1
40.9	69.8	76.7	82.4	86.3	88.9	91.0	93.6	94.1	94.4	94.8	94.9	95.5	95.6	96.0	96.0	96.0
40.7	69.9	76.7	83.1	87.0	89.7	91.9	94.8	95.3	96.0	96.3	96.4	97.0	97.3	97.6	97.6	97.6
40.9	69.9	76.9	83.1	87.0	89.7	91.9	94.8	95.5	96.2	96.7	96.9	97.5	98.4	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

915

CENTRAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 U. S. WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

40° 00' N. 120° 00' W. 1000' MSL

73-02

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1943-1952

17.7	23.6	25.4	29.1	31.8	31.5	32.6	33.3	33.7	34.5	34.7	34.7	35.1	35.1	35.4	37.5
17.8	29.5	31.7	37.1	31.8	39.8	41.2	42.1	42.6	43.4	43.6	43.8	44.7	44.7	45.3	46.7
19.0	29.5	31.7	37.0	31.8	39.8	41.2	42.2	42.7	43.5	43.7	43.7	44.1	44.4	45.4	46.5
19.5	29.5	31.7	37.0	31.8	39.8	41.2	42.2	42.7	43.5	43.8	43.8	44.2	44.4	45.5	47.1
19.8	31.2	32.5	37.6	39.7	40.7	42.1	43.0	43.4	44.5	44.7	44.7	45.1	45.4	46.4	47.4
20.1	31.1	32.5	39.1	41.1	42.2	43.5	44.6	45.1	46.0	46.2	46.2	46.6	47.3	47.9	49.5
21.2	32.5	35.1	41.5	43.4	44.6	46.2	47.2	47.7	48.5	48.8	48.8	49.2	49.5	50.5	52.0
22.2	33.7	36.4	42.3	44.7	45.0	47.8	48.9	49.5	50.3	50.5	50.5	51.0	51.6	52.3	53.7
22.3	34.0	36.8	42.7	45.1	45.4	48.3	49.3	49.9	50.8	51.1	51.1	51.4	52.1	52.7	54.1
22.4	34.1	37.0	42.8	45.2	45.5	48.4	49.5	50.0	50.9	51.1	51.1	51.5	52.2	52.8	54.1
22.5	34.2	39.2	44.1	46.5	47.9	49.8	51.1	51.9	52.7	52.9	52.9	53.4	54.7	54.7	56.1
27.4	38.5	41.8	48.3	51.1	52.5	54.5	56.3	57.3	58.2	58.4	58.4	58.8	59.4	60.2	61.1
24.5	39.9	43.9	50.0	52.9	54.3	56.7	58.3	59.3	60.4	60.7	60.7	61.1	61.4	62.5	63.7
25.1	40.3	44.5	51.1	54.0	55.5	57.9	59.6	60.7	61.7	62.1	62.1	62.4	63.2	63.3	65.0
25.7	41.6	45.4	52.1	55.1	56.6	59.0	60.7	61.7	62.8	63.0	63.0	63.5	64.2	64.9	66.3
27.1	43.3	47.2	53.6	56.8	58.5	60.9	62.5	63.6	64.7	64.9	64.9	65.3	66.2	66.8	68.7
27.5	44.1	48.4	55.1	58.3	59.9	62.5	64.1	65.2	66.3	66.5	66.5	67.0	67.6	68.5	69.4
28.1	46.2	50.4	57.3	60.5	62.3	64.9	66.6	67.7	68.8	69.1	69.1	69.5	70.3	71.0	72.4
29.2	47.4	51.6	58.7	62.0	63.8	66.4	68.3	69.3	70.4	70.7	70.7	71.2	72.1	72.7	74.1
29.9	48.8	53.2	60.4	63.9	65.8	68.4	70.2	71.3	72.5	72.7	72.8	73.3	74.1	74.8	76.2
31.4	51.3	55.7	63.4	66.8	68.7	71.3	73.3	74.3	75.5	75.8	75.9	76.4	77.3	77.9	79.7
32.0	52.8	57.7	65.5	69.1	71.1	73.7	75.7	76.7	77.9	78.3	78.4	78.9	79.6	80.4	82.4
32.1	53.3	58.5	66.3	69.9	72.0	74.7	76.6	77.7	78.9	79.2	79.3	79.9	80.6	81.4	83.4
32.2	54.2	59.5	67.6	71.2	73.3	76.0	77.9	79.2	80.4	80.8	80.9	81.4	82.3	83.0	84.7
32.3	54.9	60.2	68.8	72.4	74.8	77.5	79.7	81.0	82.3	82.6	82.7	83.3	84.1	84.8	86.2
32.5	55.1	60.4	69.2	73.4	75.9	78.3	81.1	82.4	83.8	84.1	84.2	84.8	85.7	86.3	87.7
32.5	55.3	60.8	69.5	74.0	76.5	79.5	81.7	83.2	84.6	84.9	85.1	85.5	86.4	87.1	88.5
32.7	55.3	62.1	71.1	75.9	78.9	82.1	84.5	86.1	87.4	87.7	87.8	88.4	89.3	90.0	91.4
32.7	56.6	62.5	72.1	76.6	79.7	82.8	85.3	87.1	88.5	88.9	89.1	89.6	90.7	91.3	92.7
32.7	56.7	62.5	72.4	77.0	80.1	83.3	86.1	88.2	89.6	90.0	90.2	90.8	91.8	92.5	94.2
32.7	56.5	62.7	72.5	77.4	80.7	83.9	87.1	89.2	91.0	91.4	91.6	92.3	93.5	94.5	96.7
32.8	56.8	62.7	72.5	77.6	80.9	84.2	87.4	89.7	91.7	92.2	92.6	93.4	94.9	96.3	98.5

TOTAL NUMBER OF OBSERVATIONS

927

U.S. AIR FORCE CLIMATE BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

400 DOBSON COMB DOWN UP

73-57

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1953-1959

17.7	21.7	22.7	24.5	25.2	26.9	27.6	28.9	29.7	29.8	29.9	30.1	30.8	30.9	31.1
17.4	29.3	31.2	34.7	36.9	37.7	38.3	40.5	40.8	41.5	41.6	41.7	42.1	43.0	43.0
17.4	29.3	31.2	34.8	37.0	37.8	38.9	40.5	40.9	41.5	41.7	41.8	42.2	43.1	43.1
17.4	29.3	31.2	34.8	37.0	37.8	38.9	40.5	40.9	41.5	41.7	41.8	42.2	43.1	43.1
17.6	29.9	30.1	35.7	37.9	36.7	37.8	41.5	41.8	42.4	42.6	42.7	43.1	44.1	44.1
17.3	31.5	33.8	37.5	39.8	40.7	41.8	43.3	44.1	44.8	44.9	45.0	45.4	46.3	46.7
19.5	33.5	36.2	40.2	42.4	43.6	44.8	46.7	47.3	48.0	48.1	48.2	48.6	49.5	49.5
18.8	35.2	37.8	42.0	44.5	45.6	46.9	49.0	49.5	50.3	50.4	50.5	50.9	51.8	51.8
20.7	35.3	37.9	42.1	44.7	46.1	47.3	49.4	49.9	50.7	50.8	50.9	51.4	52.3	52.3
21.1	35.4	37.7	42.2	45.1	46.2	47.4	49.5	50.1	50.6	50.7	51.0	51.5	52.4	52.4
21.3	36.2	38.9	43.3	45.1	47.4	48.6	50.8	51.4	52.1	52.3	52.4	52.9	53.7	53.7
22.2	36.7	42.7	47.3	50.3	51.7	52.9	55.6	56.1	56.9	57.1	57.1	57.6	58.4	58.4
24.3	41.0	44.7	49.1	52.7	53.5	54.7	57.6	58.1	58.9	59.1	59.1	59.5	60.4	60.4
25.4	42.7	45.5	50.7	53.8	55.2	56.4	59.3	59.9	60.6	60.7	60.9	61.3	62.2	62.3
26.5	43.6	45.8	51.9	54.0	55.5	56.7	59.5	60.1	60.9	61.0	61.1	61.5	62.4	62.5
28.0	44.5	47.5	52.9	55.7	57.4	58.7	61.6	62.2	63.0	63.1	63.2	63.6	64.5	64.5
28.9	45.9	49.7	54.4	57.7	59.1	60.3	63.3	63.8	64.6	64.7	64.8	65.3	66.2	66.3
30.3	48.8	52.0	57.4	60.9	62.4	63.6	66.6	67.1	67.7	68.1	68.1	68.6	69.5	69.5
31.5	49.9	53.3	58.9	62.3	63.8	65.0	68.1	68.7	69.5	69.6	69.7	70.1	71.1	71.1
33.2	51.9	55.3	61.1	64.6	66.2	67.4	70.5	71.0	71.8	71.9	72.0	72.4	73.3	73.4
35.4	56.1	59.5	65.4	69.0	70.6	71.9	74.9	75.5	76.3	76.4	76.5	77.0	77.9	77.9
36.5	56.8	60.2	66.0	70.0	71.9	73.1	76.2	76.8	77.5	77.7	77.8	78.3	79.2	79.3
36.7	57.7	61.2	67.5	71.3	73.2	74.4	77.5	78.2	78.9	79.1	79.2	79.6	80.5	80.5
36.3	56.9	62.4	69.0	73.0	75.0	76.4	79.5	80.2	80.9	81.1	81.1	81.6	82.5	82.6
37.7	63.6	64.2	71.1	75.3	77.5	79.2	82.2	83.1	83.9	84.0	84.1	84.6	85.4	85.6
37.5	62.0	65.8	72.9	77.2	79.4	81.0	84.1	85.1	85.9	86.0	86.1	86.5	87.4	87.5
38.7	63.0	66.9	74.2	78.9	81.4	83.1	86.2	87.3	88.1	88.3	88.4	88.9	89.7	89.9
38.0	63.2	67.4	75.0	80.4	83.2	85.3	88.6	90.0	90.7	91.0	91.1	91.5	92.4	92.5
38.7	63.4	67.6	75.4	80.9	84.1	86.5	90.3	91.5	92.3	92.5	92.6	93.1	93.9	94.0
39.1	63.4	67.6	75.6	81.5	84.8	87.3	91.5	92.9	93.7	94.2	94.3	94.7	95.6	95.7
38.7	63.4	67.6	75.6	81.5	84.8	87.4	91.7	93.5	94.5	95.1	95.3	95.8	97.0	97.1
38.0	63.4	67.6	75.6	81.5	84.8	87.4	91.8	93.6	94.7	95.4	95.7	96.3	98.0	98.5

TOTAL NUMBER OF OBSERVATIONS 977

GLOBAL CLIMATOLOGY BRANCH
UNAF/ITAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

41 LOSCOMB DOWN DR

75-AD

MAY

PERCENTAGE OF DAYS OF OCCURRENCE
BASED ON 100 OBSERVATIONS

1910-1971

17.3	22.1	23.8	24.6	25.1	25.4	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
26.5	35.9	38.3	39.2	39.8	40.2	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
28.9	36.5	39.1	39.3	39.9	40.3	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
19.0	36.2	38.3	39.5	40.2	40.5	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
29.5	36.6	38.8	40.0	40.7	41.0	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
31.1	38.7	40.9	42.1	43.0	43.3	43.8	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
32.3	41.6	44.1	45.3	46.3	46.6	47.1	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
34.9	43.1	45.2	47.2	48.3	48.6	49.1	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
34.2	43.3	46.1	47.4	48.5	48.8	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
34.5	43.6	46.5	48.0	49.1	49.4	49.8	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
35.5	46.1	47.9	49.3	50.4	50.8	51.3	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
34.6	50.4	53.1	54.7	55.8	56.3	56.9	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
42.5	53.7	56.4	58.1	59.3	60.0	60.5	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
44.6	56.4	59.3	60.9	62.2	62.8	63.4	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
45.7	57.5	60.4	62.0	63.3	63.9	64.5	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
47.3	59.7	62.6	64.5	65.7	66.3	66.9	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
49.5	62.7	65.7	67.5	68.8	69.4	70.0	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
55.5	66.2	71.3	73.3	74.5	75.1	75.7	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
57.4	71.2	74.3	76.3	77.6	78.2	78.8	79.1	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
59.4	73.7	77.1	79.3	80.6	81.4	82.0	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
62.3	77.7	81.4	83.8	85.7	86.5	87.1	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
62.5	78.2	82.2	85.0	87.0	87.9	88.7	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
62.7	78.9	82.8	85.7	87.9	88.8	89.7	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
63.4	79.5	83.5	86.9	89.4	90.3	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
63.6	80.6	84.8	88.7	91.5	92.4	93.5	93.8	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
63.6	81.0	85.4	89.9	93.0	94.1	95.4	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
63.7	81.1	85.5	90.1	93.4	94.6	95.9	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
63.7	81.5	86.0	90.6	94.1	95.4	96.9	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
63.7	81.5	86.1	91.1	94.6	96.1	97.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
63.7	81.5	86.1	91.1	94.6	96.4	97.9	99.1	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
63.7	81.5	86.1	91.1	94.6	96.4	97.9	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
63.7	81.5	86.1	91.1	94.6	96.4	97.9	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 979

NATIONAL CLIMATOLOGY BRANCH
OF METAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4.1 : 070045 DOWN UK

73-50

WAV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM FOUR OBSERVATIONS

100-1470

46.2	27.1	27.4	27.9	21.2	21.3	21.3	21.3	21.7	21.3	21.3	21.3	21.3	21.3	21.7	21.3
37.9	35.6	36.7	36.5	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
31.1	35.5	36.3	36.7	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.2
31.3	35.9	36.4	36.8	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
32.3	37.2	37.6	38.1	39.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
33.6	39.0	39.4	40.0	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
36.4	42.7	43.3	43.9	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
27.3	44.3	44.5	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
57.4	44.1	44.9	45.5	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
37.8	44.8	45.5	46.2	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
35.6	47.5	48.3	49.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
46.3	55.8	56.7	57.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
52.6	62.6	63.5	64.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
56.4	66.9	67.7	69.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
56.6	69.2	70.7	71.4	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
51.3	71.9	73.1	74.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
55.5	76.7	78.1	79.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
69.2	81.3	82.5	84.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
71.7	84.5	86.2	87.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
73.1	86.4	87.9	89.4	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
73.7	87.5	89.3	91.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
73.9	88.2	90.0	92.1	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
73.7	88.3	90.3	92.4	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
74.2	88.8	90.8	93.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
74.4	89.4	91.5	94.0	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
74.6	90.1	92.2	94.9	97.7	97.9	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
74.5	90.1	92.3	95.0	97.8	98.0	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
74.6	90.1	92.3	95.1	97.9	98.2	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
74.6	90.1	92.3	95.1	98.0	98.3	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
74.6	90.1	92.3	95.1	98.0	98.3	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
74.6	90.1	92.3	95.1	98.0	98.3	98.8	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0
74.6	90.1	92.3	95.1	98.0	98.3	98.8	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17400 BOSCOMBE DOWN UK

73-87

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

21.4	24.9	25.2	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
37.0	41.6	42.2	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
37.4	42.7	42.5	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
37.4	42.0	42.5	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
39.1	44.0	44.6	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
40.5	45.7	46.2	46.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
43.2	48.6	49.2	49.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
43.8	49.4	49.9	50.6	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
43.3	49.6	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
44.7	50.8	51.5	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
47.3	53.9	54.5	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
54.9	62.7	63.5	64.8	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
61.4	70.5	71.3	72.6	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
63.8	73.1	74.0	75.4	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
65.2	74.8	75.6	77.2	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
67.1	76.8	77.7	79.2	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
69.7	80.2	81.3	82.8	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
73.1	83.8	85.1	86.8	88.5	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
73.9	84.7	86.0	87.7	89.4	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
75.3	86.2	87.7	89.3	91.1	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
76.5	88.1	89.7	91.6	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
76.6	88.9	90.5	92.5	94.5	94.5	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
76.6	88.9	90.5	92.5	94.5	94.5	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
76.7	89.3	91.3	93.3	95.6	95.6	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
76.8	89.9	92.7	94.1	96.7	96.7	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
77.2	90.6	92.7	94.8	97.4	97.7	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
77.2	90.6	92.7	94.9	97.6	97.9	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
77.2	90.9	93.2	95.4	98.1	98.5	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
77.2	93.9	93.2	95.4	98.5	98.8	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
77.2	93.9	93.2	95.5	98.6	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.2	93.9	93.2	95.5	98.6	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.2	93.9	93.2	95.5	98.6	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

CEILING VERSUS VISIBILITY

73-82

4A4

13.7-2222

29.7	30.2	31.7	31.5	31.7	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
40.3	47.7	48.2	48.6	48.8	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
40.5	47.4	48.6	49.1	49.3	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
40.5	47.4	48.6	49.1	49.3	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
41.5	48.4	49.6	50.1	50.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
42.4	49.5	50.6	51.3	51.5	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
43.7	51.6	52.8	53.3	53.5	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
44.9	53.2	54.5	54.9	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
44.9	53.2	54.5	54.9	55.3	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
45.4	53.9	55.3	55.9	56.4	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
48.4	57.7	59.1	59.8	60.2	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
53.6	64.5	66.1	67.1	67.7	67.9	67.9	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
55.7	67.7	69.4	70.5	71.1	71.3	71.3	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
57.7	69.8	71.5	72.8	73.3	73.5	73.5	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
59.3	71.5	73.3	74.5	75.1	75.3	75.3	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
61.9	74.4	76.5	77.9	78.4	78.6	78.7	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
64.8	77.5	79.6	81.0	81.7	81.9	82.1	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
67.4	80.4	82.7	84.3	85.3	85.7	85.8	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
68.1	81.3	83.7	85.3	86.3	86.7	86.8	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
69.1	82.3	84.8	86.4	87.4	87.8	87.9	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
70.7	83.8	86.6	88.4	89.4	89.8	89.9	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
70.5	85.2	88.2	90.0	91.1	91.6	91.7	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
70.7	85.3	88.3	90.1	91.4	91.8	91.9	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
70.9	85.8	88.9	90.8	92.1	92.6	92.7	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
71.7	86.5	89.7	91.7	93.5	93.9	94.2	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
71.2	86.9	90.1	92.1	94.1	94.6	94.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
71.2	87.2	90.4	92.5	94.5	94.9	95.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
71.2	87.5	90.8	92.9	95.0	95.6	96.0	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
71.2	87.7	91.0	93.4	95.7	96.3	96.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
71.2	87.7	91.0	93.4	96.1	96.8	97.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
71.2	87.7	91.0	93.4	96.3	97.1	97.7	98.9	99.2	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
71.2	87.7	91.0	93.4	96.3	97.1	97.7	98.9	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

1450 BOECOMBE DOWN UK

73-50

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

110-2300

28.2	37.9	39.9	42.3	42.7	43.3	43.5	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.3
35.6	47.6	50.1	52.4	53.1	53.4	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.9
35.6	47.6	50.1	52.4	53.1	53.4	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.9
35.7	48.3	50.5	52.6	53.5	53.8	54.2	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.2
36.8	49.1	51.6	53.9	54.6	55.0	55.4	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.4
37.7	51.0	53.6	56.0	56.8	57.3	57.7	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.7
38.3	52.4	55.1	57.6	58.6	59.2	59.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.6
38.3	52.4	55.1	57.6	58.6	59.2	59.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.6
38.3	52.5	55.2	57.7	58.7	59.3	59.7	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.7
39.5	53.7	56.8	59.6	60.6	61.1	61.5	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.6
41.5	57.7	61.1	64.6	65.6	66.2	66.8	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.2
42.7	60.0	63.7	67.3	68.5	69.2	69.7	70.6	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.1
43.9	61.7	65.4	69.0	70.2	70.8	71.4	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.8
44.7	63.1	66.9	70.6	71.8	72.4	73.0	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.4
46.4	66.0	70.2	74.0	75.2	75.8	76.4	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.8
47.8	68.6	73.1	77.0	78.2	78.9	79.4	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.8
48.6	70.7	75.2	79.4	80.6	81.3	81.8	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.4
49.7	71.7	76.4	80.7	81.9	82.6	83.1	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.9
49.9	73.4	78.1	82.5	83.7	84.3	84.9	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.7
50.8	74.6	79.5	84.0	85.3	86.2	86.7	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.7
51.2	75.2	80.2	84.9	86.3	87.1	87.7	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.7
51.2	75.3	80.7	85.5	86.9	87.8	88.3	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.4
51.4	75.9	81.4	86.5	87.9	88.8	89.4	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.6
51.7	76.8	82.6	88.0	89.4	90.3	91.0	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.2
51.9	77.1	83.0	88.6	90.0	90.8	91.6	93.6	94.0	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.3
51.9	77.3	83.7	89.5	91.1	92.0	92.8	95.0	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.8
51.9	77.7	84.1	90.0	91.7	92.7	93.5	95.8	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.6
51.9	77.9	84.4	90.5	92.5	93.5	94.3	96.7	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.6
51.9	77.9	84.6	90.7	92.9	93.9	94.8	97.3	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.3
51.9	78.0	84.7	90.8	93.1	94.2	95.1	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	99.0
51.9	78.0	84.7	90.8	93.1	94.2	95.1	97.9	98.7	99.0	99.0	99.0	99.0	99.0	99.2	99.7	99.7100.0

TOTAL NUMBER OF OBSERVATIONS 918

USAF ETAC 1450 BOECOMBE DOWN UK 73-50 MAY 110-2300

2

73-02

W A Y

ALL

TOTAL NUMBER OF OBSERVATIONS 7283

USAF FIA 10-14.5 1. A 000. 10-14.5 1. A 000. 10-14.5 1. A 000.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3745 DODD COMBE DOWN ON

73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-1200

24.7	33.5	36.7	39.0	40.4	41.4	41.5	42.4	42.8	43.1	43.3	43.5	43.7	43.8	43.9	44.0
28.6	40.1	43.7	47.0	48.6	49.9	50.0	51.3	51.6	51.9	52.2	52.4	52.6	53.0	53.1	53.2
28.6	40.1	43.7	47.0	48.6	49.9	50.0	51.3	51.6	51.9	52.2	52.4	52.6	53.0	53.1	53.2
28.6	40.1	43.7	47.0	48.6	49.9	50.0	51.3	51.6	51.9	52.2	52.4	52.6	53.0	53.1	53.2
28.7	40.3	43.8	47.1	48.7	50.0	50.1	51.4	51.7	52.1	52.3	52.5	52.8	53.1	53.2	53.3
28.9	40.9	44.6	47.9	49.5	50.8	50.9	52.2	52.5	52.9	53.1	53.3	53.6	53.9	54.0	54.1
30.5	43.7	46.8	50.1	51.9	53.2	53.3	54.6	54.9	55.3	55.5	55.7	56.0	56.3	56.4	56.5
31.0	43.7	47.5	51.0	52.9	54.1	54.2	55.5	56.0	56.3	56.5	56.8	57.0	57.3	57.5	57.6
31.6	44.7	48.5	52.2	54.0	55.4	55.5	56.6	57.2	57.6	57.8	58.0	58.3	58.6	58.7	58.8
32.2	45.2	49.7	52.6	54.5	55.8	56.1	57.3	57.8	58.1	58.4	58.6	58.8	59.2	59.3	59.4
33.4	46.8	51.7	54.4	56.2	57.6	57.8	59.1	59.5	59.9	60.1	60.3	60.6	60.9	61.0	61.1
35.4	50.0	53.9	58.0	60.1	61.5	61.7	63.0	63.4	63.8	64.0	64.2	64.4	64.8	64.9	65.0
36.7	51.5	55.6	59.7	61.8	63.3	63.5	64.8	65.3	65.6	65.8	66.1	66.3	66.6	66.7	66.9
37.6	52.0	57.1	61.2	63.3	64.8	65.0	66.4	66.9	67.2	67.4	67.7	67.9	68.2	68.3	68.5
38.4	54.0	58.1	62.3	64.3	65.8	66.1	67.4	67.9	68.2	68.5	68.7	68.9	69.3	69.4	69.5
40.6	57.1	61.5	65.8	67.9	69.4	69.6	71.0	71.4	71.8	72.0	72.2	72.5	72.8	72.9	73.1
41.7	58.4	63.1	67.8	70.1	71.6	71.8	73.3	73.7	74.1	74.3	74.5	74.8	75.1	75.2	75.3
42.0	60.0	64.9	69.8	72.1	73.7	74.0	75.6	76.0	76.4	76.6	76.8	77.2	77.5	77.6	77.8
42.5	60.8	65.8	70.8	73.2	74.8	75.1	76.7	77.2	77.5	77.8	78.0	78.3	78.7	78.8	78.9
43.0	61.8	66.9	72.0	74.5	76.1	76.5	78.1	78.6	78.9	79.1	79.4	79.7	80.0	80.2	80.3
44.0	63.6	68.7	73.9	76.4	78.0	78.4	80.3	80.7	81.1	81.3	81.7	82.0	82.3	82.5	82.6
45.2	64.9	70.1	75.3	77.9	79.7	80.3	82.1	82.6	82.9	83.1	83.5	83.8	84.2	84.3	84.4
45.6	65.6	70.9	76.3	78.8	80.6	81.3	83.1	83.6	83.9	84.2	84.5	84.9	85.2	85.3	85.4
45.8	65.9	71.4	76.9	79.7	81.5	82.2	84.1	84.5	84.9	85.1	85.4	85.8	86.1	86.2	86.4
46.7	66.7	72.4	78.0	80.8	82.7	83.5	85.6	86.0	86.4	86.6	86.9	87.3	87.6	87.7	87.8
46.7	67.8	73.4	79.0	81.9	83.8	84.6	86.7	87.2	87.5	87.7	88.1	88.4	88.8	88.9	89.0
46.7	68.0	73.6	79.6	82.6	84.9	85.8	88.0	88.4	88.9	89.1	89.4	89.8	90.1	90.3	90.4
46.7	68.0	73.6	80.0	83.9	86.7	87.6	89.9	90.4	90.8	91.1	91.4	91.7	92.1	92.2	92.3
46.7	68.1	73.9	80.4	84.3	87.0	88.1	90.6	91.3	92.0	92.2	92.5	93.0	93.3	93.5	93.6
46.7	68.5	74.2	80.8	85.2	88.1	89.2	91.9	92.5	93.2	93.5	93.8	94.3	94.7	94.8	95.0
46.7	68.5	74.4	81.3	85.7	88.9	90.5	93.5	94.3	95.2	95.6	96.0	96.4	97.2	97.5	98.4
46.7	68.5	74.4	81.3	85.7	88.9	90.5	93.7	94.5	95.5	96.1	96.4	97.0	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

672

GLOBAL CLIMATOLOGY BRANCH
 CMAFLTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 300000000 DOWN UK
 MONTH JAN

73-62

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1962-1971

16.2	23.3	26.1	28.6	30.7	31.8	32.3	33.5	34.1	34.4	34.4	34.9	35.2	35.3	35.7	36.9
20.2	30.4	33.4	37.3	39.7	40.9	41.9	43.4	44.1	44.6	44.9	45.4	45.7	46.4	46.6	47.8
20.9	30.4	33.5	37.3	39.7	40.9	41.9	43.4	44.1	44.6	44.9	45.4	45.7	46.4	46.6	47.8
20.9	30.4	33.6	37.3	39.7	40.9	41.9	43.4	44.1	44.6	44.9	45.4	45.7	46.4	46.6	47.9
21.1	30.7	34.2	37.6	40.0	41.3	42.3	43.8	44.5	44.7	45.3	45.7	46.1	46.7	47.0	48.1
21.4	31.2	34.7	38.2	41.6	41.8	43.0	44.5	45.1	45.6	45.9	46.4	46.7	47.5	47.8	48.9
22.6	32.7	36.5	39.9	42.4	43.8	45.0	46.6	47.3	47.8	48.1	48.7	49.0	49.5	50.1	51.2
22.9	33.5	37.0	40.5	43.1	44.5	45.7	47.5	48.2	48.7	49.0	49.6	49.9	50.7	51.0	52.1
23.1	33.5	37.4	40.8	43.4	44.8	46.1	47.9	48.6	49.0	49.4	49.9	50.3	51.1	51.3	52.5
23.3	34.1	37.6	41.0	43.7	45.0	46.3	48.1	48.8	49.3	49.6	50.2	50.5	51.3	51.5	52.7
24.3	35.7	39.2	42.7	45.4	46.9	48.1	50.1	50.7	51.2	51.5	52.1	52.5	53.3	53.5	54.6
26.7	38.9	42.5	46.3	49.7	51.0	52.2	54.3	55.0	55.4	55.8	56.3	56.7	57.5	57.7	58.9
28.3	40.0	44.1	48.0	50.7	52.7	53.9	56.1	56.7	57.1	57.5	58.1	58.4	59.2	59.4	60.7
29.5	42.1	45.7	49.6	52.3	54.3	55.5	57.6	58.4	58.9	59.2	59.8	60.1	60.9	61.1	62.4
30.4	43.1	46.9	50.7	53.5	55.4	56.7	58.7	59.5	60.0	60.3	60.9	61.4	62.2	62.4	63.7
32.1	45.4	49.5	53.8	56.9	59.3	60.7	62.7	63.5	64.0	64.3	64.9	65.4	66.2	66.4	67.7
33.4	47.3	51.7	56.1	59.3	61.7	63.1	65.1	65.9	66.4	66.7	67.3	67.8	68.6	68.8	70.1
34.3	49.7	54.1	58.7	62.1	64.5	65.8	67.9	68.7	69.1	69.5	70.1	70.5	71.3	71.5	72.8
34.6	50.4	55.1	59.8	63.2	65.6	67.0	69.0	69.8	70.3	70.6	71.2	71.7	72.5	72.7	73.9
35.2	51.7	56.9	61.6	65.0	67.4	68.8	70.9	71.7	72.1	72.5	73.0	73.5	74.3	74.5	75.8
36.1	53.3	58.5	63.5	67.1	69.5	71.0	73.0	73.8	74.3	74.6	75.2	75.7	76.5	76.7	77.9
36.9	54.6	60.1	65.3	68.8	71.3	72.9	75.0	75.8	76.2	76.6	77.1	77.6	78.4	78.6	79.9
37.1	55.3	60.8	65.9	69.5	72.0	73.6	75.7	76.5	76.9	77.3	77.8	78.3	79.1	79.3	80.6
37.3	55.5	61.4	66.6	70.3	72.8	74.4	76.5	77.3	77.7	78.1	78.6	79.1	79.9	80.1	81.4
37.7	56.1	61.9	67.4	71.3	73.9	75.7	77.7	78.6	79.1	79.4	80.0	80.5	81.3	81.5	82.7
37.9	56.9	62.9	68.9	72.8	75.4	77.4	79.4	80.5	80.9	81.3	81.8	82.3	83.1	83.3	84.6
38.2	57.1	63.2	69.5	73.9	76.7	78.7	80.9	82.1	82.5	82.9	83.4	83.9	84.7	84.9	86.2
38.3	57.3	63.3	70.1	75.2	77.9	80.0	82.5	83.8	84.2	84.6	85.1	85.6	86.4	86.6	87.9
38.3	57.4	63.4	70.2	76.0	78.9	81.3	84.3	85.6	86.1	86.4	87.0	87.4	88.2	88.5	89.7
38.3	57.4	63.4	70.3	76.6	79.7	82.4	85.5	87.0	87.8	88.2	88.8	89.3	90.1	90.3	91.5
38.3	57.4	63.4	70.7	77.4	80.5	83.2	87.2	89.1	90.5	91.3	92.0	92.5	93.7	94.1	95.9
38.3	57.4	63.4	70.7	77.4	80.6	83.4	87.7	89.6	91.3	92.6	93.6	94.3	96.3	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 875

UNAF-ETA 10-11-73 10-11-73 10-11-73 10-11-73 10-11-73 10-11-73 10-11-73 10-11-73 10-11-73 10-11-73

GLOBAL CLIMATOLOGY BRANCH
 WFFLTAC
 AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

44 BOSCOMBE DOWN UK

73-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

100-2670

15.7	22.4	24.7	26.4	27.6	27.9	28.2	29.0	29.5	29.6	29.8	29.8	30.0	30.7	30.7	30.8
21.9	31.0	32.7	36.1	38.0	38.5	39.2	40.1	40.6	40.8	41.7	41.8	41.5	41.6	41.6	41.6
22.1	31.3	33.1	36.4	38.4	38.8	39.5	40.4	40.9	41.1	41.4	41.4	41.8	41.8	41.9	41.9
22.1	31.3	33.1	36.4	38.4	38.8	39.5	40.4	40.9	41.1	41.4	41.4	41.8	41.8	41.9	41.9
22.4	32.4	34.1	37.4	39.4	39.9	40.6	41.5	41.9	42.2	42.4	42.4	42.9	43.1	43.2	43.2
23.3	33.6	35.6	38.9	41.9	41.4	42.1	43.2	43.7	43.9	44.1	44.1	44.6	44.7	44.7	44.7
24.8	35.3	37.2	40.7	42.7	43.2	44.5	45.2	45.6	45.9	46.1	46.1	46.5	46.7	46.7	46.7
25.5	36.8	38.7	42.4	44.7	45.5	46.3	47.5	47.9	48.2	48.4	48.4	48.8	49.1	49.2	49.2
25.5	37.0	38.9	42.7	45.0	45.9	46.7	47.8	48.3	48.5	48.7	48.7	49.2	49.3	49.3	49.3
26.9	37.3	39.3	43.1	45.5	46.3	47.1	48.3	48.7	49.0	49.2	49.2	49.7	49.8	49.8	49.8
27.3	39.2	41.4	45.2	47.6	48.4	49.2	50.3	50.8	51.2	51.4	51.4	51.8	52.0	52.0	52.0
29.1	41.2	43.4	47.2	49.8	50.7	51.6	52.8	53.2	53.6	53.9	54.1	54.6	54.8	54.8	54.8
30.4	43.0	45.2	49.1	51.6	52.5	53.5	54.6	55.1	55.4	55.8	55.9	56.5	56.8	56.8	56.8
31.5	44.2	46.7	50.7	53.5	54.4	55.5	56.7	57.1	57.5	57.8	57.9	58.6	59.0	59.0	59.0
32.7	44.7	47.4	51.5	54.3	55.3	56.6	57.7	58.2	58.5	58.9	59.3	59.7	60.0	60.0	60.0
34.9	48.5	51.2	55.4	58.2	59.2	60.5	61.1	62.1	62.4	62.8	62.9	63.6	63.9	63.9	63.9
36.1	49.9	52.6	57.0	59.9	60.9	62.2	63.4	63.9	64.2	64.5	64.8	65.3	65.7	65.7	65.7
37.2	51.8	54.5	59.1	62.1	63.2	64.5	65.7	66.1	66.5	66.8	66.9	67.6	68.1	68.1	68.1
38.7	52.8	55.5	60.5	63.5	64.7	66.0	67.2	67.6	68.0	68.3	68.4	69.1	69.5	69.5	69.5
39.9	55.5	58.3	63.2	66.2	67.5	68.8	69.9	70.4	70.7	71.2	71.3	72.0	72.4	72.4	72.4
42.2	58.9	61.6	66.9	71.2	71.5	72.8	74.2	74.8	75.1	75.6	75.7	76.4	76.7	76.7	76.7
43.2	60.6	63.9	69.6	72.8	74.2	75.5	77.0	77.5	77.9	78.3	78.5	79.1	79.5	79.5	79.5
43.5	62.0	65.1	70.9	74.1	75.6	76.8	78.3	78.9	79.3	79.7	79.8	80.5	80.9	80.9	80.9
44.5	63.4	66.6	72.5	75.8	77.3	78.6	80.2	80.8	81.1	81.6	81.7	82.4	82.7	82.7	82.7
45.4	64.6	67.9	73.8	77.3	78.8	80.2	81.8	82.4	82.7	83.2	83.3	84.0	84.3	84.3	84.3
45.7	65.9	69.5	76.0	79.6	81.1	82.5	84.1	84.7	85.0	85.5	85.6	86.3	86.6	86.6	86.6
46.0	66.2	70.0	76.6	80.4	81.9	83.4	85.0	85.6	85.9	86.4	86.5	87.2	87.6	87.6	87.6
46.3	66.6	70.9	77.5	82.0	83.8	85.5	87.3	87.9	88.2	88.7	88.8	89.5	89.9	89.9	89.9
46.3	66.7	71.2	78.5	83.8	85.7	87.7	89.1	90.7	91.0	91.5	91.6	92.3	92.6	92.6	92.6
46.3	66.8	71.4	79.4	85.3	87.3	89.5	92.6	93.5	93.9	94.4	94.6	95.3	95.6	95.6	95.6
46.3	66.8	71.4	79.5	85.4	87.9	90.1	93.9	94.8	96.1	96.8	97.0	97.7	98.4	98.4	98.5
46.3	66.8	71.4	79.5	85.4	87.9	90.1	94.0	94.9	96.4	97.2	97.5	98.3	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 868

APR 1964

CENTRAL CLIMATOLOGY BRANCH
WAFB/TAD
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1946 1000000000 DOWN UP

73-52

JUN

RECEIVED AT THE
FROM THE

1510-1700

25.3	28.8	29.1	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
37.1	42.2	42.5	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
37.1	42.2	42.5	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
37.1	42.2	42.5	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
37.7	42.5	43.2	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
39.3	44.5	44.7	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
42.6	45.5	45.7	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
43.3	50.1	50.5	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
43.3	50.2	50.6	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
44.6	51.3	51.4	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
48.3	55.2	55.8	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
56.7	64.8	65.5	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
62.2	70.8	71.5	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
65.2	74.9	75.7	76.4	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	76.9	76.9
66.3	75.1	76.7	77.5	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	78.0	78.0
69.3	79.5	80.4	81.1	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	81.6	81.6	81.6
71.7	82.7	83.7	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
74.5	86.3	87.7	88.4	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	89.0
75.7	87.7	89.5	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
77.1	89.5	91.2	92.1	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	92.8
77.8	91.3	92.1	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
77.9	91.5	92.8	94.6	95.5	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
78.1	92.7	94.7	95.1	96.0	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
78.4	92.4	94.4	95.4	96.3	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
78.4	92.7	94.5	95.6	96.6	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	96.9
78.5	92.8	94.8	96.1	97.1	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	97.7
78.5	92.8	94.8	96.1	97.3	97.9	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
78.5	92.9	95.0	96.3	97.6	98.4	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
78.5	92.9	95.0	96.4	97.7	98.6	99.2	99.4	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
78.5	92.9	95.0	96.6	97.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.5	92.9	95.0	96.6	97.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
78.5	92.9	95.0	96.6	97.8	98.9	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

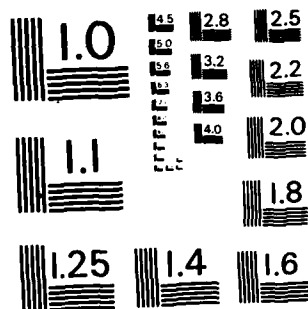
AD-A128 120

BOSCOMBE DOWN UNITED KINGDOM REVISED UNIFORM SUMMARY OF
SURFACE WEATHER O..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83
UNCLASSIFIED USAFETAC/DS-83/008 SBI-AD-E850 370

F/G 4/2

NL

3/5



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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

29.8	34.3	34.7	34.8	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
42.3	49.1	49.7	49.8	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
42.3	49.1	49.7	49.8	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
42.4	49.3	49.8	49.9	50.3	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
42.8	49.6	50.2	50.3	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
43.8	50.9	51.4	51.5	52.2	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
45.8	53.6	54.2	54.4	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
46.9	55.0	55.5	55.8	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
47.5	55.8	56.3	56.6	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
47.9	56.3	56.9	57.1	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
50.9	59.5	60.1	60.3	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
56.3	65.8	66.8	67.3	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
60.1	69.8	71.3	71.8	72.7	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
62.3	72.3	74.0	74.7	75.6	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
64.3	74.3	76.2	77.0	77.9	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
67.0	77.8	79.8	80.6	81.5	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
68.6	80.4	82.7	83.7	84.5	84.9	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
70.5	82.8	85.4	86.3	87.2	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
71.3	83.8	86.4	87.3	88.3	88.7	88.8	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
72.5	85.4	88.0	89.1	90.0	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
73.4	86.9	89.7	90.8	91.7	92.1	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
73.8	87.8	90.8	91.9	92.8	93.4	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
73.9	88.0	91.0	92.1	93.0	93.6	93.7	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
74.3	88.6	91.6	92.7	93.6	94.2	94.3	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
74.5	88.9	91.9	93.0	94.0	94.6	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
74.5	89.2	92.1	93.5	94.4	95.1	95.2	95.7	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0
74.5	89.5	92.5	94.0	95.0	95.7	95.8	96.2	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
74.5	89.7	92.8	94.5	96.0	96.8	96.9	97.7	97.7	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
74.5	89.7	92.8	94.6	96.4	97.3	97.4	98.5	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2
74.5	89.7	92.8	94.6	96.4	97.5	97.7	99.0	99.2	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7
74.5	89.7	92.8	94.6	96.4	97.5	97.7	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
74.5	89.7	92.8	94.6	96.4	97.5	97.7	99.2	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

877

USAF ETAC 0-14-5 HOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

37463 BOSCOMBE DOWN UK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

ALL

	22.7	29.2	30.7	32.0	32.7	33.1	33.2	33.6	33.8	33.9	34.0	34.1	34.2	34.3	34.3	34.5
100%	30.8	39.3	41.2	42.9	43.9	44.3	44.6	45.0	45.3	45.4	45.5	45.6	45.7	45.9	45.9	46.1
80%	30.3	39.4	41.3	43.0	43.9	44.4	44.6	45.1	45.4	45.5	45.6	45.7	45.8	46.0	46.0	46.2
60%	30.9	39.4	41.3	43.1	44.0	44.4	44.7	45.2	45.4	45.5	45.6	45.7	45.9	46.0	46.0	46.2
40%	31.3	39.9	41.8	43.6	44.5	45.0	45.3	45.8	46.0	46.1	46.2	46.3	46.4	46.6	46.6	46.8
20%	32.6	41.5	43.5	45.2	46.2	46.6	46.9	47.4	47.7	47.8	47.9	48.0	48.1	48.3	48.3	48.5
0%	34.9	43.9	45.9	47.8	48.9	49.4	49.7	50.2	50.4	50.6	50.7	50.8	50.9	51.1	51.1	51.3
100%	35.2	44.9	47.1	49.0	50.1	50.7	51.0	51.5	51.8	51.9	52.0	52.1	52.3	52.4	52.5	52.7
80%	35.4	45.4	47.5	49.5	50.6	51.2	51.5	52.1	52.3	52.4	52.5	52.6	52.8	52.9	53.0	53.2
60%	35.8	45.9	48.0	50.0	51.1	51.7	52.1	52.6	52.9	53.0	53.1	53.2	53.3	53.5	53.5	53.7
40%	37.8	48.1	50.3	52.3	53.5	54.1	54.4	55.0	55.2	55.4	55.5	55.6	55.7	55.9	55.9	56.1
20%	42.0	53.2	55.5	57.8	59.1	59.8	60.2	60.7	61.0	61.2	61.3	61.4	61.5	61.7	61.7	61.9
0%	45.1	56.6	59.1	61.4	62.7	63.4	63.8	64.4	64.7	64.8	64.9	65.0	65.2	65.4	65.4	65.6
100%	47.1	59.2	61.7	64.2	65.5	66.3	66.6	67.3	67.5	67.7	67.8	67.9	68.1	68.3	68.3	68.5
80%	48.5	60.7	63.3	65.8	67.2	67.9	68.3	68.9	69.2	69.4	69.5	69.6	69.8	69.9	70.0	70.2
60%	51.1	63.9	66.6	69.3	70.7	71.5	71.9	72.6	72.8	73.0	73.1	73.2	73.4	73.6	73.6	73.8
40%	53.0	66.4	69.2	72.1	73.6	74.4	74.8	75.4	75.7	75.9	76.0	76.1	76.3	76.5	76.5	76.7
20%	55.1	69.3	72.3	75.3	76.9	77.7	78.1	78.8	79.1	79.2	79.4	79.5	79.7	79.9	79.9	80.1
0%	56.1	70.6	73.8	76.8	78.4	79.2	79.7	80.4	80.7	80.8	80.9	81.1	81.2	81.4	81.5	81.7
100%	57.3	72.6	75.8	78.9	80.6	81.4	81.8	82.5	82.8	83.0	83.1	83.3	83.4	83.6	83.7	83.9
80%	58.7	74.8	78.2	81.4	83.2	84.1	84.5	85.3	85.6	85.8	85.9	86.0	86.2	86.4	86.5	86.7
60%	59.4	76.1	79.6	83.0	84.8	85.8	86.3	87.1	87.4	87.6	87.7	87.8	88.0	88.2	88.2	88.4
40%	59.6	76.7	80.2	83.6	85.5	86.6	87.1	87.9	88.2	88.4	88.5	88.6	88.8	89.0	89.1	89.3
20%	59.9	77.2	80.8	84.3	86.3	87.4	87.9	88.7	89.0	89.2	89.3	89.4	89.6	89.8	89.9	90.1
0%	60.2	77.8	81.5	85.2	87.2	88.4	88.9	89.8	90.1	90.3	90.4	90.6	90.8	91.0	91.0	91.2
100%	60.5	78.5	82.3	86.2	88.3	89.5	90.2	91.1	91.4	91.6	91.8	91.9	92.1	92.3	92.4	92.6
80%	60.5	78.7	82.6	86.6	89.0	90.3	91.1	92.0	92.4	92.6	92.8	92.9	93.1	93.3	93.4	93.6
60%	60.6	78.9	82.9	87.1	90.0	91.4	92.3	93.4	93.8	94.0	94.1	94.3	94.5	94.7	94.7	94.9
40%	60.6	79.1	83.1	87.5	90.7	92.3	93.2	94.6	95.1	95.3	95.5	95.6	95.8	96.0	96.1	96.3
20%	60.6	79.1	83.2	87.8	91.1	92.9	94.0	95.6	96.1	96.4	96.6	96.8	97.0	97.2	97.2	97.4
0%	60.6	79.1	83.2	87.9	91.3	93.1	94.4	96.3	96.9	97.5	97.7	98.0	98.2	98.6	98.6	99.0
100%	60.6	79.1	83.2	87.9	91.3	93.2	94.4	96.4	97.0	97.7	98.1	98.3	98.6	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6968

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-2000

		VISIBILITY IN STATUTE MILES															
		20	26	32	38	44	50	56	62	68	74	80	86	92	98	100	100
1000	FEET	23.3	34.8	38.2	40.6	41.7	42.1	42.2	42.7	43.3	43.4	43.5	43.5	43.6	43.8	43.8	43.9
900		27.3	40.7	44.6	48.0	49.3	49.8	49.9	50.4	51.0	51.1	51.2	51.2	51.5	51.6	51.6	51.7
800		27.3	40.7	44.6	48.0	49.3	49.8	49.9	50.4	51.0	51.1	51.2	51.2	51.5	51.6	51.6	51.7
700		27.3	40.7	44.6	48.0	49.3	49.8	49.9	50.4	51.0	51.1	51.2	51.2	51.5	51.6	51.6	51.7
600		27.6	41.0	44.9	48.2	49.7	50.1	50.2	50.8	51.3	51.5	51.6	51.6	51.8	51.9	51.9	52.0
500		28.9	42.5	46.4	49.8	51.3	51.8	51.9	52.5	53.0	53.1	53.2	53.2	53.5	53.6	53.6	53.7
400		30.6	45.0	49.2	52.8	54.5	55.0	55.1	55.7	56.4	56.5	56.6	56.6	56.8	56.9	56.9	57.0
300		31.5	46.2	50.8	54.5	56.4	56.9	57.0	57.6	58.3	58.4	58.5	58.5	58.7	58.8	58.8	58.9
200		31.5	46.3	50.9	54.6	56.5	57.0	57.1	57.7	58.4	58.5	58.6	58.6	58.8	58.9	58.9	59.0
100		31.6	46.5	51.1	54.8	56.7	57.3	57.4	57.9	58.6	58.7	58.8	58.8	59.0	59.2	59.2	59.3
0		32.7	47.9	52.5	56.1	58.0	58.6	58.7	59.3	59.9	60.0	60.2	60.2	60.4	60.5	60.5	60.6
1000	FEET	34.5	50.7	55.6	59.5	61.6	62.3	62.4	63.1	63.7	63.8	64.0	64.0	64.2	64.3	64.3	64.4
900		35.6	52.8	57.9	62.2	64.3	65.1	65.2	65.8	66.5	66.6	66.7	66.7	67.0	67.1	67.1	67.2
800		35.9	53.5	58.6	62.9	65.1	65.8	66.0	66.6	67.3	67.4	67.5	67.5	67.7	67.9	67.9	68.0
700		37.3	55.1	60.3	64.6	66.7	67.6	67.7	68.4	69.1	69.2	69.3	69.3	69.5	69.6	69.6	69.8
600		39.7	57.9	63.3	67.9	70.1	71.1	71.2	71.9	72.5	72.7	72.8	72.8	73.0	73.1	73.1	73.2
500		41.3	60.5	66.0	71.0	73.3	74.4	74.7	75.3	76.0	76.1	76.2	76.2	76.5	76.6	76.6	76.7
400		44.0	64.0	69.8	74.8	77.1	78.3	78.6	79.2	79.9	80.0	80.1	80.1	80.4	80.5	80.5	80.6
300		44.1	64.3	70.2	75.7	78.0	79.2	79.5	80.1	80.8	80.9	81.0	81.0	81.3	81.4	81.4	81.5
200		44.9	65.6	71.8	77.5	79.9	81.1	81.4	82.0	82.7	82.8	82.9	82.9	83.1	83.3	83.3	83.4
100		46.8	68.6	75.1	80.8	83.4	84.7	84.9	85.6	86.3	86.4	86.5	86.5	86.7	86.8	86.8	86.9
0		47.4	69.9	76.3	82.0	84.8	86.5	86.8	87.5	88.2	88.3	88.4	88.4	88.6	88.7	88.7	88.8
1000	FEET	48.0	70.9	77.3	83.1	85.9	87.6	87.9	88.6	89.3	89.4	89.5	89.5	89.7	89.8	89.8	90.0
900		48.2	71.3	78.0	83.8	86.6	88.3	88.6	89.3	90.0	90.1	90.2	90.2	90.4	90.5	90.5	90.6
800		48.5	72.2	79.4	85.2	87.9	89.6	90.0	90.6	91.3	91.4	91.5	91.5	91.7	91.9	91.9	92.0
700		48.9	73.1	80.7	86.5	89.4	91.3	91.6	92.3	93.0	93.1	93.2	93.2	93.4	93.5	93.5	93.6
600		48.9	73.4	81.1	87.2	90.2	92.1	92.4	93.2	93.9	94.0	94.1	94.1	94.3	94.4	94.4	94.5
500		49.0	74.1	81.9	88.3	91.4	93.5	94.0	94.9	95.5	95.6	95.8	95.8	96.0	96.1	96.1	96.2
400		49.3	75.1	83.3	90.0	93.2	95.4	96.0	96.9	97.5	97.7	97.8	97.8	98.0	98.1	98.1	98.2
300		49.3	75.2	83.4	90.1	93.5	95.9	96.4	97.3	98.0	98.1	98.2	98.2	98.4	98.5	98.5	98.7
200		49.4	75.3	83.5	90.3	94.0	96.3	96.9	97.8	98.5	98.7	98.8	98.8	99.0	99.1	99.1	99.3
100		49.4	75.3	83.5	90.3	94.0	96.3	97.0	98.0	98.8	98.9	99.2	99.2	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
1-1000	15.7	23.7	26.1	28.3	29.3	30.1	30.5	31.3	31.7	31.8	32.1	32.2	32.7	33.0	33.2	34.6		
2-1000	18.6	29.3	32.7	35.5	37.0	37.9	38.3	39.4	39.8	39.9	40.2	40.3	40.9	41.3	41.5	43.0		
3-1000	18.6	29.3	32.7	35.5	37.0	37.9	38.3	39.4	39.8	39.9	40.2	40.3	40.9	41.3	41.5	43.0		
4-1000	18.7	29.5	32.8	35.7	37.1	38.0	38.4	39.5	39.9	40.0	40.3	40.4	41.0	41.4	41.6	43.1		
5-1000	19.3	30.1	33.4	36.4	37.9	38.8	39.2	40.3	40.6	40.8	41.1	41.3	41.9	42.3	42.5	44.0		
6-1000	20.4	31.9	35.2	38.3	39.8	40.6	41.1	42.2	42.5	42.6	43.0	43.2	43.7	44.2	44.4	45.8		
7-1000	22.6	35.2	38.5	41.9	43.3	44.3	44.7	45.8	46.2	46.3	46.6	46.8	47.4	47.8	48.1	49.5		
8-1000	23.3	36.2	39.8	43.2	44.9	45.8	46.3	47.5	47.8	48.0	48.3	48.5	49.1	49.6	49.8	51.3		
9-1000	23.4	36.4	40.0	43.4	45.1	46.2	46.7	48.0	48.3	48.4	48.7	48.9	49.5	50.1	50.3	51.7		
10-1000	23.5	36.8	40.4	43.9	45.5	46.6	47.2	48.4	48.9	49.1	49.4	49.6	50.2	50.7	50.9	52.4		
11-1000	24.0	37.5	41.4	45.0	46.6	47.7	48.4	49.6	50.4	50.5	50.8	51.1	51.6	52.2	52.4	53.8		
12-1000	26.5	40.5	44.6	48.5	50.4	51.5	52.3	53.5	54.4	54.6	54.9	55.1	55.7	56.3	56.5	57.9		
13-1000	27.8	43.2	47.3	51.4	53.4	54.5	55.3	56.5	57.4	57.7	58.0	58.3	58.8	59.4	59.6	61.0		
14-1000	28.2	44.1	48.3	52.6	54.6	55.8	56.7	57.9	58.8	59.1	59.5	59.7	60.2	60.8	61.0	62.5		
15-1000	29.1	45.7	50.2	54.7	56.7	57.9	58.8	60.0	61.0	61.4	61.7	61.9	62.5	63.0	63.2	64.7		
16-1000	32.2	49.1	53.6	58.4	60.5	61.8	62.8	64.0	65.0	65.3	65.7	65.9	66.4	67.1	67.3	68.9		
17-1000	33.7	51.1	55.7	60.7	62.9	64.2	65.2	66.4	67.4	67.8	68.1	68.3	68.9	69.5	69.8	71.3		
18-1000	35.8	54.4	59.2	64.8	67.3	68.8	69.8	71.3	72.3	72.6	73.0	73.2	73.8	74.4	74.6	76.2		
19-1000	36.7	55.6	60.5	66.0	68.5	70.0	71.0	72.5	73.5	73.9	74.2	74.4	75.0	75.6	75.9	77.4		
20-1000	37.8	56.8	61.8	67.8	70.4	71.9	73.0	74.5	75.5	75.9	76.2	76.4	77.0	77.6	77.9	79.4		
21-1000	39.3	58.8	64.0	70.4	73.2	74.9	76.0	77.6	78.6	79.0	79.3	79.5	80.1	80.7	81.0	82.5		
22-1000	40.3	60.5	65.9	72.3	75.2	76.9	78.0	79.6	80.6	81.0	81.3	81.5	82.1	82.7	82.9	84.5		
23-1000	40.6	61.2	66.8	73.2	76.1	77.7	78.8	80.5	81.5	81.8	82.2	82.4	82.9	83.6	83.8	85.4		
24-1000	41.4	62.2	67.8	74.3	77.2	79.0	80.1	81.7	82.7	83.1	83.4	83.6	84.2	84.8	85.0	86.6		
25-1000	41.5	63.3	69.0	76.0	79.0	80.8	81.9	83.6	84.6	84.9	85.3	85.5	86.0	86.7	86.9	88.5		
26-1000	42.2	64.3	70.1	77.4	80.6	82.8	83.9	85.4	86.6	86.9	87.3	87.5	88.0	88.7	88.9	90.5		
27-1000	42.5	65.1	71.0	79.0	82.2	84.4	85.5	87.3	88.3	88.6	88.9	89.1	89.7	90.4	90.6	92.1		
28-1000	42.7	65.3	71.3	79.6	83.3	85.7	86.8	88.6	89.6	89.9	90.3	90.5	91.0	91.7	91.9	93.5		
29-1000	42.9	65.8	72.2	81.1	84.8	87.4	88.6	90.5	91.5	91.8	92.1	92.4	92.9	93.6	93.8	95.3		
30-1000	42.9	66.1	72.5	81.7	86.3	89.5	90.9	92.9	94.0	94.5	94.8	95.0	95.6	96.2	96.5	98.0		
31-1000	42.9	66.2	72.6	81.8	86.4	89.7	91.1	93.4	94.5	94.9	95.2	95.5	96.0	96.9	97.1	99.0		
32-1000	42.9	66.2	72.6	81.8	86.4	89.7	91.1	93.4	94.6	95.0	95.3	95.6	96.2	97.6	97.9	100.0		

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

027460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-2800

16.1	21.7	22.8	25.0	25.8	26.2	26.4	26.7	26.9	26.9	27.1	27.1	27.4	27.4	27.5	27.6
21.0	29.2	30.6	33.3	34.3	35.2	35.8	36.1	36.3	36.3	36.9	36.9	37.1	37.1	37.2	37.3
21.0	29.2	30.6	33.3	34.3	35.2	35.8	36.1	36.3	36.3	36.9	36.9	37.1	37.1	37.2	37.3
21.0	29.2	30.6	33.3	34.3	35.2	35.8	36.1	36.3	36.3	36.9	36.9	37.1	37.1	37.2	37.3
21.5	29.6	31.1	33.7	34.7	35.6	36.2	36.5	36.8	36.8	37.3	37.3	37.6	37.6	37.7	37.8
22.9	31.7	33.6	36.3	37.5	38.4	38.9	39.3	39.6	39.7	40.3	40.3	40.5	40.6	40.7	40.9
26.0	36.1	38.3	41.2	42.5	43.4	43.9	44.3	44.6	44.7	45.3	45.3	45.5	45.6	45.7	45.9
27.0	37.3	39.7	42.9	44.5	45.5	46.2	46.7	47.0	47.1	47.7	47.7	47.9	48.0	48.1	48.2
27.2	37.7	40.1	43.5	45.3	46.3	47.0	47.4	47.8	47.9	48.5	48.5	48.7	48.8	48.9	49.0
27.5	38.1	40.5	43.9	45.7	46.8	47.4	47.9	48.2	48.4	48.9	48.9	49.1	49.3	49.4	49.5
29.1	40.1	42.6	46.0	47.8	48.8	49.5	49.9	50.4	50.5	51.1	51.1	51.3	51.4	51.5	51.6
31.3	43.0	45.6	49.3	51.4	52.4	53.3	53.8	54.3	54.4	54.9	54.9	55.2	55.3	55.4	55.5
32.6	44.8	47.7	51.4	53.7	54.8	55.8	56.3	56.9	57.0	57.5	57.5	57.8	57.9	58.0	58.1
33.4	45.7	48.8	52.9	55.2	56.3	57.3	57.8	58.3	58.5	59.0	59.1	59.4	59.5	59.6	59.8
34.5	47.3	50.1	54.5	56.9	58.0	59.0	59.5	60.0	60.2	60.7	60.8	61.1	61.2	61.3	61.5
36.0	48.9	52.0	56.5	58.9	60.0	61.2	61.6	62.2	62.4	63.0	63.1	63.3	63.5	63.6	63.8
38.1	51.4	54.5	59.0	61.5	62.7	63.8	64.2	64.8	65.0	65.6	65.7	65.9	66.1	66.2	66.4
40.6	54.6	57.8	62.3	64.8	65.9	67.2	67.7	68.2	68.4	69.0	69.1	69.4	69.5	69.6	69.8
42.2	56.5	59.7	64.2	66.7	67.9	69.1	69.6	70.1	70.4	70.9	71.1	71.3	71.4	71.5	71.7
43.6	58.3	61.6	66.4	68.9	70.1	71.4	71.9	72.4	72.6	73.2	73.3	73.6	73.7	73.8	74.0
46.0	62.0	65.3	70.0	72.5	73.9	75.1	75.6	76.2	76.4	77.0	77.1	77.3	77.4	77.5	77.8
47.0	64.0	67.3	72.3	74.8	76.2	77.5	78.0	78.7	78.9	79.5	79.6	79.8	79.9	80.0	80.2
48.1	65.7	69.1	74.1	76.6	78.0	79.3	79.8	80.5	80.7	81.3	81.4	81.6	81.7	81.8	82.1
48.7	66.5	69.9	75.0	77.6	79.0	80.4	80.8	81.5	81.7	82.3	82.4	82.6	82.7	82.9	83.1
49.4	68.2	71.7	77.2	80.1	81.6	83.0	83.4	84.1	84.3	84.9	85.0	85.2	85.4	85.5	85.7
50.6	69.9	73.6	79.9	83.0	84.6	86.0	86.5	87.2	87.4	88.0	88.1	88.3	88.4	88.5	88.8
51.3	71.5	75.3	82.0	85.4	87.1	88.6	89.1	89.8	90.0	90.6	90.7	90.9	91.0	91.1	91.4
51.5	72.2	76.3	83.1	87.2	89.2	90.8	91.5	92.2	92.5	93.1	93.2	93.4	93.5	93.6	93.9
51.6	72.9	77.2	84.1	88.6	90.9	92.5	93.3	94.0	94.3	94.9	95.0	95.2	95.3	95.5	95.7
51.6	73.0	77.5	84.7	89.8	92.2	94.0	95.0	95.8	96.1	96.8	96.9	97.2	97.3	97.4	97.6
51.6	73.0	77.5	84.7	89.8	92.3	94.3	95.6	96.6	97.0	97.7	97.8	98.2	98.4	98.5	98.9
51.6	73.0	77.5	84.7	89.8	92.3	94.3	95.7	96.7	97.2	97.8	98.1	98.4	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

881

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

		VISIBILITY - STATUTE MILES															
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
1-1000	18.2	24.2	24.9	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
2-1000	25.7	33.3	34.1	34.6	34.9	34.9	34.9	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
3-1000	26.0	33.6	34.5	34.9	35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
4-1000	26.6	34.1	35.0	35.6	35.9	35.9	36.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
5-1000	28.1	36.8	38.0	38.6	38.9	38.9	39.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
6-1000	32.0	41.3	42.8	43.5	43.9	43.9	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
7-1000	33.4	43.0	44.8	45.6	46.2	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
8-1000	33.7	43.4	45.2	45.9	46.5	46.5	46.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
9-1000	34.3	44.0	45.8	46.6	47.2	47.2	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10-1000	35.7	45.7	47.6	48.4	48.9	48.9	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
11-1000	41.3	51.8	53.8	54.7	55.3	55.3	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
12-1000	43.5	54.6	56.6	57.5	58.1	58.1	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
13-1000	45.4	56.7	58.7	59.7	60.3	60.3	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
14-1000	46.3	57.7	59.7	60.8	61.4	61.4	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
15-1000	49.8	61.5	63.5	64.6	65.3	65.3	65.4	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
16-1000	53.4	65.2	67.3	68.4	69.1	69.1	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
17-1000	59.7	72.1	74.2	75.4	76.1	76.1	76.2	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
18-1000	61.8	74.6	76.9	78.1	78.8	78.8	78.9	79.3	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
19-1000	64.2	77.6	79.9	81.2	82.2	82.3	82.4	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
20-1000	68.0	82.4	84.9	86.2	87.3	87.4	87.5	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
21-1000	69.2	84.4	87.0	88.4	89.5	89.7	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
22-1000	69.7	85.4	88.0	89.9	91.0	91.1	91.2	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
23-1000	70.5	86.4	89.0	91.0	92.2	92.3	92.5	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
24-1000	71.5	88.0	90.5	92.7	94.1	94.3	94.5	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
25-1000	72.1	88.8	91.3	93.5	95.6	96.0	96.2	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
26-1000	72.1	88.8	91.3	93.7	95.9	96.3	96.7	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
27-1000	72.2	88.9	91.8	94.3	97.2	97.8	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
28-1000	72.2	88.9	91.8	94.3	97.7	98.2	98.7	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29-1000	72.2	88.9	91.8	94.3	97.7	98.2	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
30-1000	72.2	88.9	91.8	94.3	97.7	98.2	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

895

USAF ETAC 0-14-5 IOL A1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

	16.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
	24.5	30.7	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
	24.5	30.7	30.8	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
	24.6	30.8	30.9	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
	25.7	32.0	32.1	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
	27.0	33.9	34.0	34.4	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
	30.5	38.0	38.1	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
	32.0	40.4	40.5	41.3	41.4	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
	32.3	40.6	40.8	41.6	41.7	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
	32.7	41.3	41.4	42.3	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
	35.8	45.2	45.7	46.6	46.7	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
	46.6	57.2	57.7	58.9	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
	52.0	62.9	63.5	64.6	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	56.0	67.5	68.1	69.2	69.3	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
	58.8	70.3	70.8	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	64.1	75.9	76.5	77.6	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
	67.6	79.4	80.1	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
	73.5	85.9	86.9	88.1	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
	74.6	87.3	88.3	89.4	89.6	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
	76.8	90.4	91.4	92.5	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	79.0	93.0	94.3	95.5	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	79.4	94.0	95.3	96.6	96.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	79.4	94.1	95.4	96.7	96.8	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
	79.7	94.4	95.6	96.9	97.0	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
	79.8	94.9	96.3	97.6	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
	79.8	94.9	96.3	97.7	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
	79.9	95.2	96.7	98.0	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
	79.9	95.3	96.8	98.3	99.1	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	79.9	95.3	96.8	98.3	99.1	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

871

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

37463 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1530-1700

		VISIBILITY (STATUTE MILES)																							
		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	100	100	100	100	100	100	100
1000	FEET	22.1	26.3	26.4	26.4	26.4	26.4	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
900	FEET	35.2	40.6	40.7	40.7	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
800	FEET	35.2	40.6	40.7	40.7	40.8	40.8	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
700	FEET	35.3	40.7	40.8	40.8	40.9	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
600	FEET	35.9	41.3	41.4	41.4	41.6	41.6	41.7	41.7	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	41.8
500	FEET	37.7	43.1	43.3	43.3	43.4	43.4	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
400	FEET	40.9	46.4	46.7	46.9	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
300	FEET	42.6	48.3	48.7	49.0	49.2	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
200	FEET	42.8	48.6	48.9	49.2	49.4	49.4	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
100	FEET	43.3	49.4	49.8	50.2	50.4	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
0	FEET	47.1	54.4	54.8	55.2	55.4	55.4	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
1000	FEET	57.7	66.3	66.9	67.4	67.7	67.8	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	68.0	68.0	68.0	68.0	68.0
900	FEET	62.7	72.3	73.0	73.6	73.8	73.9	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	74.1	74.1	74.1	74.1
800	FEET	66.2	76.4	77.1	77.7	77.9	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
700	FEET	67.7	78.0	78.7	79.2	79.4	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
600	FEET	70.3	81.4	82.1	82.7	82.9	83.1	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	83.3	83.3	83.3	83.3
500	FEET	73.7	85.2	86.0	86.6	86.8	87.0	87.1	87.1	87.1	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
400	FEET	77.4	90.1	90.9	91.7	91.9	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
300	FEET	78.0	90.7	91.4	92.3	92.6	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
200	FEET	79.3	92.4	93.3	94.2	94.4	94.7	94.8	94.8	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	94.9	94.9	94.9
100	FEET	80.1	93.4	94.3	95.3	95.6	95.8	95.9	95.9	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	96.0	96.0
0	FEET	80.7	94.1	95.0	96.2	96.6	96.8	96.9	96.9	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	97.0	97.0	97.0
1000	FEET	80.7	94.6	95.6	96.8	97.1	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
900	FEET	80.7	94.8	95.8	97.0	97.3	97.6	97.7	97.7	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	97.8	97.8
800	FEET	80.8	95.4	96.4	98.0	98.3	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
700	FEET	80.8	95.7	96.7	98.3	98.8	99.1	99.3	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	99.4	99.4	99.4
600	FEET	80.8	95.7	96.8	98.4	99.0	99.4	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	99.8	99.8	99.8	99.8	99.8
500	FEET	80.8	95.7	96.8	98.4	99.0	99.4	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	99.8	99.8	99.8	99.8	99.8
400	FEET	80.8	95.7	96.8	98.4	99.0	99.4	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	99.8	99.8	99.8	99.8	99.8
300	FEET	80.8	95.7	96.8	98.6	99.1	99.6	99.8	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	99.9	99.9	99.9
200	FEET	80.8	95.7	96.8	98.7	99.2	99.7	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	100.0	100.0	100.0	100.0	100.0
100	FEET	80.8	95.7	96.8	98.7	99.2	99.7	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	100.0	100.0	100.0	100.0	100.0
0	FEET	80.8	95.7	96.8	98.7	99.2	99.7	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	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 10-14-5-OL A1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEAT R SERVICE/MAC

CEILING VERSUS V. I BILITY

037460 BOSCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0-2300

25.6	34.7	37.2	38.2	38.9	39.0	39.1	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
35.1	48.0	51.7	51.8	52.5	52.6	52.7	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
35.2	48.2	50.8	52.0	52.6	52.7	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
35.8	49.2	51.8	53.0	53.6	53.8	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
37.3	50.8	53.8	55.1	55.9	56.0	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
39.5	53.6	56.7	58.3	59.5	59.6	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
40.6	55.0	58.3	60.0	61.4	61.5	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
40.8	55.1	58.5	60.1	61.5	61.6	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
40.9	55.2	58.6	60.2	61.6	61.7	61.9	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
41.4	56.2	59.7	61.5	62.8	62.9	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
44.5	60.6	64.5	66.3	67.7	68.0	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
45.6	63.3	67.2	69.1	70.5	70.8	71.0	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
46.9	64.8	68.8	70.7	72.1	72.3	72.6	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
48.2	66.5	70.5	72.5	74.2	74.5	74.8	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
50.6	70.1	74.6	76.7	78.6	78.8	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
52.2	72.5	77.3	79.5	81.4	81.6	82.0	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
55.1	76.4	81.5	84.1	86.0	86.2	86.6	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
55.5	76.9	82.2	84.9	86.8	87.0	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
56.0	77.7	83.2	85.9	88.1	88.4	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
57.0	79.5	85.4	88.2	90.5	90.8	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
57.7	80.4	86.5	89.2	91.5	91.8	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
57.9	80.6	86.7	89.5	91.7	92.0	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
58.6	81.7	87.8	90.6	92.8	93.2	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
59.2	83.2	89.2	92.0	94.4	94.7	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
59.5	84.1	90.1	93.1	95.5	95.9	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
59.6	84.2	90.7	93.6	96.1	96.4	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
59.6	84.4	91.3	94.3	96.8	97.1	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
59.8	84.9	91.7	95.2	98.0	98.3	98.7	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
59.9	85.1	91.9	95.4	98.2	98.5	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
59.9	85.1	91.9	95.4	98.2	98.5	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
59.9	85.1	91.9	95.4	98.2	98.5	98.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 60SCOMBE DOWN UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

27.0	28.3	29.3	29.8	30.5	30.2	30.4	30.6	30.6	30.7	30.7	30.9	30.9	30.9	31.1
37.5	39.1	40.4	41.1	41.4	41.5	41.9	42.0	42.1	42.2	42.2	42.3	42.4	42.4	42.6
37.5	39.1	40.4	41.1	41.4	41.6	41.9	42.0	42.1	42.2	42.2	42.3	42.4	42.5	42.7
37.6	39.2	40.5	41.2	41.5	41.7	42.0	42.1	42.2	42.3	42.3	42.4	42.5	42.6	42.9
38.3	40.5	41.3	42.0	42.3	42.5	42.8	43.0	43.0	43.1	43.2	43.3	43.4	43.4	43.6
40.3	42.1	43.5	44.2	44.5	44.7	45.1	45.2	45.3	45.4	45.4	45.6	45.7	45.7	45.9
44.0	45.9	47.5	48.3	48.7	48.9	49.2	49.4	49.4	49.6	49.6	49.7	49.8	49.8	50.0
45.6	47.7	49.4	50.4	50.8	51.0	51.4	51.5	51.6	51.7	51.8	51.9	52.0	52.0	52.2
45.9	48.0	49.8	50.8	51.2	51.4	51.8	52.0	52.0	52.2	52.2	52.3	52.4	52.5	52.7
46.5	48.6	50.4	51.4	51.8	52.0	52.4	52.6	52.7	52.8	52.8	52.9	53.0	53.1	53.3
48.8	51.0	52.8	53.8	54.2	54.5	54.9	55.1	55.2	55.3	55.3	55.5	55.6	55.6	55.8
55.0	57.4	59.4	60.5	61.0	61.3	61.7	62.0	62.0	62.2	62.2	62.3	62.4	62.5	62.7
58.5	61.0	63.1	64.3	64.8	65.1	65.5	65.8	65.9	66.0	66.0	66.1	66.2	66.3	66.5
60.6	63.1	65.4	66.5	67.0	67.4	67.8	68.1	68.2	68.3	68.3	68.4	68.5	68.6	68.8
62.2	64.8	67.1	68.4	68.9	69.2	69.6	69.9	70.0	70.2	70.2	70.3	70.4	70.5	70.7
65.8	68.5	70.9	72.2	72.7	73.1	73.5	73.8	73.9	74.1	74.1	74.2	74.4	74.4	74.6
68.7	71.5	74.0	75.4	75.9	76.3	76.7	77.0	77.1	77.3	77.3	77.5	77.6	77.6	77.8
73.2	76.2	78.8	80.2	80.8	81.2	81.6	82.0	82.1	82.2	82.3	82.4	82.5	82.5	82.8
74.4	77.4	80.2	81.5	82.1	82.5	83.0	83.3	83.4	83.6	83.6	83.7	83.8	83.9	84.1
76.2	79.3	82.2	83.7	84.3	84.7	85.2	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.3
78.7	82.1	85.0	86.5	87.2	87.7	88.1	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.3
79.9	83.3	86.4	88.0	88.7	89.2	89.6	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.8
80.7	84.1	87.2	88.8	89.6	90.0	90.5	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.7
81.4	84.8	88.0	89.6	90.4	90.9	91.4	91.7	91.8	92.0	92.0	92.2	92.3	92.3	92.6
82.4	85.9	89.3	91.1	91.9	92.3	92.8	93.2	93.3	93.5	93.5	93.6	93.7	93.8	94.0
83.1	86.7	90.3	92.2	93.2	93.7	94.2	94.5	94.7	94.8	94.8	95.0	95.1	95.1	95.4
83.5	87.3	91.1	93.1	94.1	94.6	95.1	95.5	95.6	95.8	95.8	95.9	96.1	96.1	96.3
83.8	87.7	91.7	94.0	95.1	95.7	96.2	96.6	96.7	96.9	96.9	97.1	97.2	97.2	97.4
84.1	88.2	92.3	94.8	96.0	96.6	97.2	97.6	97.8	97.9	97.9	98.1	98.2	98.2	98.5
84.2	88.3	92.6	95.3	96.6	97.2	97.9	98.3	98.5	98.6	98.7	98.8	98.9	99.0	99.2
84.2	88.3	92.6	95.4	96.7	97.4	98.2	98.6	98.8	98.9	99.0	99.1	99.3	99.3	99.6
84.2	88.3	92.6	95.4	96.7	97.4	98.2	98.7	98.8	99.0	99.1	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7128

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1966 BOSCOMBE DOWN UK

73-82

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

71.3	35.3	39.3	44.2	47.1	48.9	50.3	51.7	51.9	52.0	52.0	52.0	52.1	52.3	52.5	52.8
24.2	38.9	43.0	48.6	51.7	54.2	55.9	57.7	58.0	58.2	58.2	58.2	58.3	58.5	58.6	59.0
24.2	38.9	43.0	48.6	51.7	54.2	55.9	57.7	58.0	58.2	58.2	58.2	58.3	58.5	58.6	59.0
24.2	38.9	43.0	48.6	51.7	54.2	55.9	57.7	58.0	58.2	58.2	58.2	58.3	58.5	58.6	59.0
24.6	39.3	43.4	49.1	52.2	54.7	56.4	58.3	58.6	58.7	58.7	58.7	58.8	59.1	59.2	59.5
24.6	39.9	44.7	49.7	53.0	55.5	57.2	59.3	59.6	59.7	59.7	59.7	59.9	60.1	60.2	60.5
25.7	41.4	45.6	51.4	54.7	57.2	59.0	61.1	61.5	61.6	61.6	61.6	61.7	61.9	62.0	62.4
25.9	41.7	46.0	51.9	55.3	57.8	59.7	62.0	62.5	62.6	62.6	62.6	62.7	62.9	63.1	63.4
26.5	42.5	46.9	52.9	56.3	58.8	60.8	63.1	63.5	63.6	63.6	63.6	63.7	64.0	64.1	64.4
26.6	42.8	47.0	53.0	56.4	59.0	61.0	63.3	63.7	63.9	63.9	63.9	64.0	64.2	64.3	64.7
27.4	44.2	48.6	54.7	58.3	60.9	62.9	65.2	65.7	65.8	65.8	65.8	65.9	66.1	66.2	66.6
28.3	46.4	50.7	56.9	60.5	63.2	65.6	67.8	68.3	68.4	68.4	68.4	68.5	68.8	68.9	69.2
29.1	47.7	52.2	58.5	62.1	64.8	67.2	69.4	70.0	70.2	70.2	70.2	70.4	70.6	70.7	71.0
29.9	49.5	54.2	60.4	64.1	66.7	69.2	71.5	72.1	72.3	72.3	72.3	72.4	72.6	72.7	73.1
30.1	49.9	54.8	61.1	64.8	67.4	69.9	72.2	72.7	73.0	73.0	73.0	73.1	73.3	73.4	73.8
31.8	52.6	57.7	64.0	67.6	70.4	73.0	75.4	75.9	76.2	76.2	76.2	76.3	76.5	76.6	77.0
32.7	54.0	59.2	65.5	69.1	71.8	74.5	77.0	77.5	77.8	77.8	77.8	78.0	78.3	78.4	78.8
33.4	55.6	60.8	67.0	70.8	73.5	76.2	78.8	79.6	79.8	79.8	79.8	80.0	80.4	80.5	80.9
33.5	55.9	61.0	67.4	71.2	74.0	76.6	79.4	80.2	80.4	80.4	80.4	80.6	81.0	81.1	81.4
34.1	56.9	62.7	68.5	72.3	75.1	77.9	80.6	81.4	81.6	81.6	81.8	82.0	82.3	82.4	82.9
34.7	58.5	63.7	70.4	74.1	77.2	79.9	82.7	83.0	83.7	83.7	83.8	84.0	84.4	84.5	84.8
35.2	59.3	64.5	71.4	75.3	78.4	81.2	84.0	84.8	85.1	85.1	85.2	85.4	85.7	85.9	86.2
35.3	59.7	65.0	71.9	75.9	79.1	81.9	84.7	85.5	85.7	85.7	85.9	86.1	86.4	86.5	86.9
35.7	60.4	65.7	72.7	76.7	80.0	82.8	85.7	86.5	86.8	86.9	86.9	87.1	87.5	87.6	87.9
35.8	61.0	66.2	73.7	77.7	81.0	83.8	86.9	87.7	87.9	87.9	88.0	88.3	88.6	88.7	89.1
36.0	62.0	67.5	75.0	79.4	82.8	85.6	88.7	89.5	89.7	89.7	89.9	90.1	90.4	90.5	90.9
36.1	62.5	68.4	76.1	80.4	83.8	86.7	89.7	90.5	90.8	90.8	90.9	91.1	91.4	91.6	91.9
36.3	62.7	68.6	76.6	81.4	84.8	87.7	90.9	91.7	92.0	92.0	92.1	92.4	92.7	92.9	93.2
36.3	63.3	69.4	77.9	83.0	86.7	89.9	93.3	94.1	94.5	94.5	94.6	94.9	95.2	95.3	95.7
36.3	63.3	69.4	78.4	83.7	87.5	90.6	94.2	95.0	95.6	95.6	95.7	95.9	96.2	96.4	96.7
36.3	63.4	69.6	78.9	84.7	88.6	91.9	95.8	96.7	97.4	97.5	97.6	97.8	98.5	98.6	99.1
36.3	63.4	69.6	78.9	84.8	88.7	92.0	96.0	96.9	97.6	97.7	97.8	98.3	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 677

DATA FROM 0000-0200Z ON 01 AUG 1966 AT BOSCOMBE DOWN

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

14.3	23.7	26.4	31.6	33.8	36.9	37.8	40.1	40.9	41.6	41.9	42.0	42.7	43.9	44.1	45.3
16.6	26.4	29.3	35.1	37.5	41.1	42.2	44.6	45.6	46.6	47.0	47.1	48.1	49.4	49.7	51.1
16.6	26.4	29.3	35.1	37.5	41.1	42.2	44.7	45.7	46.7	47.1	47.2	48.2	49.5	49.8	51.2
16.7	26.5	29.5	35.2	37.7	41.2	42.3	45.0	46.0	47.1	47.4	47.5	48.5	49.8	50.2	51.5
16.8	27.0	30.0	35.8	38.2	41.7	42.9	45.5	46.5	47.7	48.1	48.2	49.2	50.5	50.8	52.2
17.2	28.2	31.6	37.7	40.2	43.7	44.9	47.5	48.5	49.7	50.1	50.2	51.2	52.5	52.8	54.2
18.1	29.5	32.8	38.9	41.4	45.1	46.2	48.9	50.1	51.4	51.7	51.8	52.8	54.2	54.5	55.8
18.5	30.1	33.4	39.5	42.2	46.0	47.2	49.9	51.1	52.4	52.7	52.8	53.8	55.1	55.5	56.8
18.6	30.2	33.6	39.6	42.5	46.4	47.7	50.6	51.7	53.0	53.4	53.5	54.5	55.8	56.1	57.5
19.2	31.6	35.3	41.4	44.3	48.3	49.6	52.5	53.6	54.9	55.3	55.4	56.4	57.7	58.0	59.4
20.5	33.2	37.4	44.0	46.8	51.2	52.5	55.5	56.6	57.9	58.3	58.4	59.5	60.9	61.2	62.6
21.7	34.2	38.4	45.1	48.0	52.3	53.6	56.6	57.7	59.0	59.4	59.5	60.6	62.0	62.3	63.7
21.6	35.0	39.3	46.0	48.8	53.2	54.5	57.6	58.7	60.0	60.4	60.5	61.6	63.0	63.3	64.7
22.6	36.7	41.1	47.8	50.7	55.0	56.4	59.5	60.6	61.9	62.2	62.3	63.5	64.9	65.2	66.6
24.5	39.0	43.3	50.3	53.2	57.5	58.9	62.2	63.3	64.7	65.0	65.1	66.2	67.7	68.0	69.3
26.0	41.2	45.5	52.5	55.5	59.8	61.2	64.6	65.8	67.1	67.4	67.6	68.7	70.1	70.4	71.8
26.4	42.1	46.4	53.5	56.6	61.2	62.7	66.0	67.3	68.7	69.0	69.2	70.3	71.8	72.1	73.4
26.7	43.0	47.4	54.6	57.7	62.5	64.0	67.4	68.8	70.2	70.5	70.8	71.9	73.3	73.6	75.0
27.0	43.5	48.0	55.1	58.4	63.1	64.9	68.4	69.8	71.2	71.5	71.8	72.9	74.3	74.6	76.0
27.4	44.5	49.1	56.4	59.6	64.5	66.2	69.8	71.1	72.6	73.0	73.2	74.3	75.7	76.1	77.4
27.4	44.7	49.4	56.7	59.9	64.8	66.6	70.3	71.8	73.4	73.8	74.0	75.1	76.5	76.9	78.2
27.4	45.0	49.7	57.0	60.2	65.1	66.9	70.7	72.1	73.8	74.1	74.3	75.4	76.9	77.2	78.5
27.7	45.6	50.7	58.1	61.4	66.3	68.1	71.9	73.3	75.1	75.4	75.6	76.7	78.2	78.5	79.8
28.0	46.1	51.3	59.0	62.5	67.6	69.3	73.3	74.8	76.5	76.9	77.1	78.2	79.6	80.0	81.3
28.2	47.0	52.4	60.4	63.8	68.9	70.7	75.0	76.5	78.3	78.6	79.0	80.1	81.5	81.8	83.2
28.2	47.0	52.6	60.7	64.1	69.4	71.4	75.7	77.4	79.2	79.5	79.8	81.0	82.5	82.8	84.2
28.3	47.5	53.7	62.1	66.0	71.3	73.5	78.3	80.1	81.8	82.2	82.5	83.6	85.2	85.5	86.8
28.3	48.0	54.6	63.8	68.3	73.9	76.2	81.3	83.2	85.0	85.4	85.7	86.8	88.4	88.7	90.0
28.3	48.2	55.1	64.7	69.4	75.4	77.7	82.9	84.8	86.8	87.2	87.6	88.8	90.7	91.0	92.4
28.3	48.2	55.3	65.2	70.7	77.1	79.4	85.0	87.0	89.3	89.6	90.0	91.3	93.6	94.0	96.3
28.3	48.2	55.3	65.2	70.7	77.1	79.4	85.2	87.5	89.7	90.1	90.7	92.4	95.5	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 903

USAF ETAC 17460 BOSCOMBE DOWN UK PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12/4/60 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-3800

13.9	21.3	22.7	25.9	28.6	33.6	31.7	32.6	33.0	33.3	33.6	33.6	34.2	35.1	35.1	35.6
17.2	25.6	27.7	31.2	34.7	37.1	38.7	40.3	40.9	41.5	41.8	41.8	42.5	43.5	43.8	44.6
17.5	26.0	28.0	31.5	35.1	37.5	39.1	40.7	41.2	41.8	42.1	42.1	42.8	43.8	44.2	45.0
17.5	26.0	28.0	31.5	35.1	37.5	39.1	40.7	41.2	41.8	42.1	42.1	42.8	43.8	44.2	45.0
18.1	26.9	28.9	32.5	36.0	38.4	40.0	41.6	42.1	42.7	43.1	43.1	43.7	44.8	45.1	45.9
18.5	27.6	29.7	33.7	37.4	39.7	41.5	43.2	44.0	44.6	45.0	45.0	45.8	46.8	47.2	47.9
20.0	29.5	31.7	35.9	39.5	41.9	43.6	45.3	46.1	46.8	47.3	47.3	48.1	49.2	49.5	50.3
20.6	30.4	32.6	37.0	41.1	43.5	45.3	47.0	47.8	48.5	49.0	49.0	49.8	50.9	51.3	52.1
20.7	30.6	32.9	37.6	41.8	44.2	46.0	47.7	48.5	49.2	49.7	49.7	50.5	51.6	51.9	52.7
20.8	31.0	33.3	38.0	42.3	44.6	46.5	48.2	49.0	49.7	50.1	50.1	50.9	52.1	52.4	53.2
21.2	32.1	34.6	39.5	43.7	46.1	47.9	49.8	50.6	51.3	51.7	51.7	52.5	53.6	54.0	54.8
22.0	34.1	36.8	41.8	46.2	48.6	50.6	52.5	53.3	54.1	54.7	54.7	55.6	56.8	57.2	58.0
22.8	35.4	38.4	43.5	47.9	50.3	52.4	54.6	55.4	56.2	56.7	56.7	57.6	58.9	59.2	60.0
23.3	36.2	39.2	44.3	48.7	51.3	53.3	55.5	56.3	57.1	57.6	57.6	58.5	59.8	60.1	60.9
23.6	36.7	39.6	44.8	49.3	51.8	53.9	56.0	56.8	57.6	58.2	58.2	59.1	60.4	60.7	61.5
25.9	39.4	42.4	47.6	52.3	54.8	56.9	59.2	60.0	60.8	61.4	61.4	62.3	63.6	63.9	64.7
26.7	41.1	44.1	49.4	54.1	56.6	58.9	61.3	62.2	63.0	63.6	63.6	64.5	65.7	66.1	66.9
28.0	43.1	46.0	51.6	57.2	59.8	62.2	64.9	65.8	66.7	67.3	67.3	68.2	69.5	69.8	70.6
28.4	43.5	46.5	52.3	57.9	60.6	63.0	65.7	66.6	67.5	68.1	68.1	69.0	70.3	70.6	71.4
28.9	44.4	47.5	53.5	59.2	62.1	64.6	67.3	68.2	69.1	69.7	69.7	70.6	71.9	72.2	73.0
30.4	46.5	49.9	56.0	61.7	64.6	67.1	70.0	71.0	71.9	72.4	72.4	73.3	74.7	75.1	75.9
30.8	47.0	50.6	56.9	62.8	65.7	68.2	71.2	72.1	73.0	73.6	73.6	74.5	75.9	76.2	77.0
31.1	47.5	51.3	57.7	63.6	66.5	69.0	72.0	72.9	73.8	74.4	74.4	75.3	76.7	77.0	77.8
31.7	48.2	52.2	58.7	64.5	67.4	70.0	73.0	74.0	74.9	75.5	75.5	76.4	77.8	78.1	78.9
31.9	48.9	53.2	59.9	65.8	68.8	71.5	74.7	75.7	76.7	77.2	77.3	78.2	79.6	80.0	80.8
32.7	50.2	54.7	61.6	67.8	70.8	73.6	76.9	77.9	78.9	79.5	79.6	80.5	81.9	82.2	83.0
32.7	50.5	54.9	61.8	68.1	71.5	74.4	77.8	79.0	80.1	80.6	80.8	81.7	83.0	83.4	84.2
32.8	50.9	55.8	63.0	70.0	73.6	76.7	80.2	81.5	82.6	83.1	83.3	84.2	85.5	85.9	86.7
32.9	51.7	56.6	63.9	71.3	75.1	78.4	82.1	83.6	84.6	85.2	85.3	86.2	87.6	87.9	88.7
32.9	51.8	56.8	64.6	72.6	76.5	79.8	83.9	85.6	86.9	87.6	87.7	88.6	90.2	90.5	91.3
32.9	51.8	56.8	64.9	73.5	77.8	81.2	86.2	88.4	90.0	90.8	91.0	92.1	94.4	94.8	96.4
32.9	51.8	56.8	64.9	73.5	77.8	81.2	86.2	88.5	90.2	91.2	91.7	92.9	95.7	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 878

USAF ETAC 12/4/60 0145Z ON A PERIODIC BASIS THE NEW ARE DESOULT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

03460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

19.3	26.4	27.8	30.7	31.0	31.9	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.3
27.7	36.2	37.7	41.0	42.4	42.6	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.0
27.8	36.3	37.8	41.2	42.5	42.7	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.2
27.8	36.4	37.9	41.3	42.6	42.8	42.9	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.3
28.4	37.2	38.7	42.0	43.4	43.6	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.0
28.9	38.2	39.7	43.0	45.1	45.3	45.5	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.9
31.1	41.0	42.8	46.4	48.4	48.6	48.8	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.4
31.9	42.0	43.9	47.6	49.7	49.9	50.3	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.1
32.0	42.2	44.2	47.8	49.9	50.2	50.5	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.3
32.5	42.6	44.6	48.3	50.4	50.6	50.9	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.7
33.8	44.5	46.5	50.3	52.4	52.6	53.1	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8
35.6	46.9	49.1	52.8	54.9	55.2	55.7	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7
37.8	49.7	51.8	55.6	57.8	58.1	58.6	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6
40.3	52.5	54.6	58.4	60.6	60.8	61.4	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.4
42.8	55.3	57.4	61.2	63.4	63.6	64.3	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3
45.3	58.2	60.3	64.1	66.3	66.5	67.2	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.2
48.6	61.7	64.1	67.9	70.1	70.5	71.3	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.3
52.9	66.9	69.2	73.1	75.4	75.9	76.6	77.3	77.5	77.8	77.9	77.9	77.9	77.9	77.9	78.0
54.1	68.1	70.4	74.4	76.9	77.3	78.1	78.8	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.4
55.7	71.1	73.6	77.6	80.2	80.8	81.5	82.2	82.4	82.6	82.8	82.8	82.8	82.8	82.8	82.9
57.5	73.6	76.3	80.3	83.0	83.5	84.3	85.0	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.7
58.2	74.6	77.4	81.9	84.6	85.3	86.2	87.0	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.7
58.4	75.0	77.8	82.3	85.2	86.0	86.9	87.8	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.4
58.7	75.8	78.6	83.3	86.3	87.1	88.0	89.1	89.3	89.5	89.7	89.7	89.7	89.7	89.7	89.8
59.1	77.0	80.1	84.8	87.9	88.8	89.8	91.0	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.8
59.4	77.6	80.8	85.7	89.4	90.5	91.7	92.9	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.8
59.6	78.3	81.5	86.5	90.3	91.5	92.9	94.1	94.4	94.8	94.9	94.9	94.9	94.9	94.9	95.0
59.6	78.4	82.0	87.4	91.3	92.5	94.2	95.4	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.3
59.6	78.5	82.1	87.9	91.9	93.2	95.1	96.8	97.2	97.6	97.7	97.7	97.7	97.7	97.7	97.8
59.6	78.6	82.3	88.4	92.7	94.2	96.2	98.0	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.4
59.6	78.6	82.3	88.4	92.8	94.4	96.6	98.4	99.1	99.7	99.8	99.8	99.8	99.8	99.8	99.9
59.6	78.6	82.3	88.4	92.8	94.4	96.6	98.4	99.1	99.7	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

VISIBILITY IN STATUTE MILES																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
22.8	27.6	29.1	29.5	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
31.1	37.1	39.7	39.9	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
31.3	37.3	39.2	40.1	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
31.4	37.4	39.3	40.2	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
32.7	39.0	40.9	41.9	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
34.4	41.1	43.2	44.2	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
35.9	42.9	45.3	46.1	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
36.2	43.8	46.0	47.2	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
36.7	44.3	46.4	47.6	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
37.2	45.1	47.2	48.4	49.6	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
39.3	47.6	49.8	51.0	52.1	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
45.2	54.1	56.5	58.1	59.2	59.4	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
49.3	58.6	61.0	62.6	63.7	63.9	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
54.4	63.9	66.3	67.9	69.1	69.4	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
56.6	66.4	68.7	70.4	71.5	71.9	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
60.0	69.8	72.2	73.9	75.0	75.3	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
64.1	75.1	77.6	79.4	80.7	81.1	81.8	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
68.4	80.0	82.5	84.4	85.8	86.1	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
70.0	82.2	84.6	86.5	87.9	88.2	89.0	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
71.5	84.0	86.4	88.5	89.9	90.2	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
72.8	85.9	88.7	90.8	92.3	92.6	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
73.3	86.5	89.3	91.7	93.2	93.5	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
73.5	86.9	89.7	92.0	93.5	93.8	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
73.5	87.1	89.9	92.4	93.8	94.2	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
73.7	87.4	90.4	92.8	94.3	94.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
73.7	87.8	90.8	93.3	94.8	95.4	96.6	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
73.8	88.3	91.4	93.9	95.7	96.3	97.5	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
73.8	88.5	91.5	94.2	96.1	96.6	98.1	98.4	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7
73.8	88.5	91.5	94.2	96.1	96.7	98.2	98.5	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
73.8	88.5	91.5	94.3	96.3	97.0	98.5	98.9	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
73.8	88.5	91.5	94.3	96.3	97.0	98.7	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
73.8	88.5	91.5	94.3	96.3	97.0	98.7	99.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 892

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

26.3	30.5	30.8	31.4	31.6	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
34.3	41.2	42.0	43.0	43.3	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
34.5	41.4	42.2	43.2	43.6	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
34.5	41.4	42.2	43.2	43.6	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
35.0	42.3	43.1	44.1	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
36.9	44.7	45.5	46.6	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
39.4	48.8	49.5	50.7	51.0	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
40.5	50.8	51.6	52.8	53.3	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
41.1	51.4	52.1	53.5	54.0	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
41.9	52.4	53.2	54.6	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
43.2	54.0	54.7	56.2	56.7	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
50.5	62.3	63.1	64.6	65.2	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.3
54.0	66.5	67.6	69.2	70.0	70.4	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
57.7	70.4	71.7	73.5	74.3	74.7	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5
59.3	72.2	73.5	75.3	76.1	76.7	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5
62.8	76.1	77.4	79.2	80.1	80.8	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6
65.2	79.3	80.7	82.5	83.4	84.1	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
67.4	82.1	83.7	86.0	87.0	87.8	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7
68.4	83.4	85.2	87.5	88.6	89.4	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
70.1	85.4	87.4	89.6	90.7	91.5	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4
71.6	87.4	89.4	91.8	93.0	93.8	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7
72.0	87.9	90.2	92.6	93.8	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6
72.2	88.3	90.5	92.9	94.1	94.9	95.6	95.7	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
72.2	88.5	90.7	93.1	94.4	95.1	95.8	95.9	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3
72.2	88.7	91.0	93.3	94.6	95.5	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6
72.3	89.5	91.8	94.1	95.4	96.3	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5
72.5	89.8	92.1	94.6	95.8	96.7	97.5	97.6	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0
72.6	90.1	92.4	95.0	96.4	97.4	98.4	98.5	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
72.6	90.2	92.8	95.4	96.7	97.9	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5
72.6	90.2	92.9	95.5	96.8	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.9	99.9
72.6	90.2	92.9	95.5	96.8	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.9	99.9
72.6	90.2	92.9	95.5	96.8	98.0	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 886

USAF ETAC 0-1445 01 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037450 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

	27.9	35.1	36.2	37.1	38.0	38.1	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
35.9	45.1	47.0	48.4	49.8	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
36.0	45.3	47.2	48.6	50.1	50.4	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
36.0	45.3	47.2	48.6	50.1	50.4	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
36.5	46.1	48.1	49.5	51.0	51.3	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
37.8	47.9	50.1	51.4	53.5	53.9	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
41.0	51.8	54.0	55.5	57.7	58.2	58.9	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
41.8	53.0	55.3	56.9	59.1	59.7	60.4	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
42.0	53.2	55.5	57.1	59.5	60.0	60.7	61.0	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
42.1	53.9	56.3	57.9	60.3	60.8	61.5	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
43.7	56.3	58.7	60.4	63.1	63.7	64.4	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
48.0	61.0	63.6	65.5	68.2	68.9	69.9	70.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
50.5	64.2	67.0	68.9	71.7	72.5	73.6	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
51.5	65.9	68.7	70.8	73.7	74.6	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
52.9	67.5	70.4	72.6	75.5	76.4	77.5	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
56.0	71.2	74.1	76.4	79.3	80.2	81.4	81.7	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
58.1	74.0	77.0	79.2	82.3	83.2	84.3	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
60.0	76.4	79.5	81.8	84.9	85.8	86.9	87.5	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
61.0	77.4	80.6	83.1	86.2	87.2	88.3	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
62.2	78.9	82.2	84.8	87.9	88.9	90.0	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
63.7	80.9	84.2	87.1	90.4	91.7	92.8	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
64.2	81.5	84.9	87.9	91.3	92.6	93.8	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
64.4	82.1	85.5	88.4	91.8	93.2	94.3	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
64.5	82.2	85.6	88.5	91.9	93.4	94.6	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
64.7	82.6	86.0	89.0	92.5	94.2	95.5	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
64.7	83.0	86.4	89.4	93.0	94.7	96.0	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
64.7	83.2	86.6	90.0	93.6	95.3	96.8	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
64.7	83.5	87.1	90.6	94.4	96.4	98.0	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
64.7	83.7	87.3	90.8	94.8	96.8	98.4	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
64.7	83.7	87.3	90.8	94.8	96.8	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
64.7	83.7	87.3	90.8	94.8	96.8	98.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

881

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

037460 BOSCOMBE DOWN UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

21.3	29.6	31.7	34.3	35.8	36.8	37.4	38.0	38.2	38.4	38.5	38.5	38.7	39.0	39.0	39.3
27.0	36.7	39.2	42.4	44.2	45.5	46.3	47.1	47.4	47.6	47.7	47.7	48.0	48.3	48.4	48.7
27.1	36.9	39.4	42.5	44.3	45.7	46.4	47.2	47.5	47.7	47.9	47.9	48.1	48.4	48.5	48.8
27.1	36.9	39.4	42.6	44.4	45.7	46.5	47.3	47.6	47.8	47.9	47.9	48.1	48.5	48.6	48.9
27.7	37.6	40.1	43.3	45.1	46.5	47.3	48.1	48.4	48.6	48.7	48.8	49.0	49.3	49.4	49.7
28.5	38.8	41.4	44.7	46.7	48.1	48.9	49.8	50.1	50.4	50.5	50.6	50.8	51.1	51.2	51.5
30.1	41.2	43.9	47.4	49.5	50.9	51.8	52.8	53.1	53.4	53.5	53.6	53.8	54.1	54.2	54.6
30.8	42.2	45.0	48.5	50.8	52.2	53.3	54.3	54.7	55.0	55.1	55.1	55.4	55.7	55.8	56.1
31.1	42.7	45.4	49.1	51.4	52.8	53.9	54.9	55.3	55.6	55.7	55.7	56.0	56.3	56.4	56.7
31.4	43.2	45.9	49.6	51.9	53.4	54.5	55.5	55.9	56.2	56.3	56.4	56.6	56.9	57.0	57.4
32.5	44.9	47.8	51.5	53.9	55.5	56.6	57.6	58.0	58.3	58.4	58.5	58.7	59.1	59.2	59.5
35.6	48.8	51.8	55.7	58.2	59.8	61.1	62.3	62.7	63.0	63.1	63.1	63.4	63.8	63.9	64.2
37.6	51.4	54.3	58.5	61.0	62.7	64.0	65.2	65.6	66.0	66.1	66.1	66.4	66.8	66.9	67.2
39.4	53.6	56.9	61.0	63.5	65.2	66.6	67.8	68.2	68.6	68.7	68.7	69.0	69.4	69.5	69.8
40.7	55.3	58.6	62.7	65.2	67.0	68.3	69.6	70.0	70.3	70.5	70.5	70.8	71.1	71.2	71.6
43.3	58.4	61.8	66.0	68.6	70.3	71.7	73.0	73.5	73.8	73.9	74.0	74.3	74.6	74.7	75.0
45.4	61.1	64.6	68.8	71.5	73.3	74.8	76.1	76.5	76.9	77.0	77.0	77.3	77.7	77.8	78.1
47.4	63.8	67.4	71.8	74.7	76.5	78.0	79.4	79.9	80.3	80.5	80.5	80.8	81.2	81.3	81.6
48.2	64.8	68.4	72.9	75.8	77.7	79.2	80.7	81.2	81.6	81.7	81.7	82.1	82.4	82.5	82.9
49.2	66.3	70.0	74.5	77.5	79.4	81.0	82.5	83.0	83.4	83.5	83.6	83.9	84.2	84.3	84.7
50.4	68.1	71.9	76.5	79.5	81.6	83.2	84.7	85.2	85.6	85.8	85.8	86.1	86.5	86.6	86.9
50.9	68.7	72.7	77.5	80.5	82.6	84.3	85.8	86.4	86.8	86.9	87.0	87.3	87.7	87.8	88.1
51.1	69.2	73.1	78.0	81.0	83.2	84.8	86.4	86.9	87.4	87.5	87.6	87.9	88.3	88.4	88.7
51.4	69.6	73.7	78.6	81.7	83.9	85.6	87.2	87.8	88.2	88.3	88.4	88.7	89.1	89.2	89.5
51.5	70.2	74.4	79.4	82.6	84.9	86.6	88.3	88.9	89.3	89.5	89.5	89.8	90.2	90.3	90.7
51.7	70.9	75.2	80.4	83.8	86.1	87.9	89.7	90.3	90.7	90.9	91.0	91.3	91.7	91.8	92.1
51.8	71.3	75.7	81.0	84.4	86.9	88.7	90.5	91.2	91.6	91.8	91.9	92.2	92.6	92.7	93.0
51.9	71.5	76.2	81.7	85.5	87.9	90.0	91.9	92.6	93.1	93.2	93.3	93.6	94.0	94.1	94.4
51.9	71.8	76.6	82.4	86.4	89.0	91.2	93.3	94.0	94.6	94.8	94.9	95.2	95.6	95.7	96.0
51.9	71.9	76.8	82.8	87.0	89.8	92.0	94.2	95.1	95.7	95.9	96.0	96.3	96.8	96.9	97.2
51.9	71.9	76.8	83.0	87.4	90.4	92.7	95.2	96.1	96.9	97.1	97.2	97.6	98.3	98.4	99.0
51.9	71.9	76.8	83.0	87.4	90.4	92.7	95.2	96.2	97.0	97.3	97.5	97.9	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7109

USAF ETAC 73-82-01-1-1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

73-82

237460 BOSCOMBE DOWN UK

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

[illegible]TOTAL NUMBER OF OBSERVATIONS 881[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77460 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

17.5	24.8	27.6	29.9	30.7	32.6	33.9	34.8	35.9	36.4	36.5	36.6	37.2	39.1	40.0	41.8
20.0	28.0	30.8	33.4	34.3	36.5	37.7	39.0	40.2	40.7	40.8	40.9	41.5	43.8	44.7	46.9
20.0	28.0	30.8	33.4	34.3	36.5	37.7	39.0	40.2	40.7	40.8	40.9	41.5	43.8	44.7	46.9
20.0	28.0	30.8	33.4	34.3	36.5	37.7	39.0	40.2	40.7	40.8	40.9	41.5	43.8	44.7	46.9
20.3	28.3	31.1	33.8	34.7	36.8	38.1	39.3	40.6	41.0	41.1	41.3	41.8	44.1	45.0	47.3
20.9	29.1	32.0	34.7	35.6	37.7	39.0	40.2	41.5	41.9	42.0	42.2	42.7	45.1	46.0	48.3
21.8	30.9	34.5	36.7	37.6	40.0	41.3	42.5	43.8	44.3	44.5	44.7	45.2	47.6	48.5	50.8
22.0	31.3	34.3	37.2	38.1	40.5	41.8	43.2	44.4	45.0	45.3	45.5	46.0	48.4	49.3	51.6
22.0	31.3	34.3	37.2	38.1	40.6	41.9	43.3	44.5	45.1	45.5	45.6	46.1	48.5	49.4	51.7
22.4	31.7	34.8	37.6	38.5	41.0	42.4	43.8	45.0	45.6	45.9	46.0	46.6	49.0	49.9	52.2
22.5	32.2	35.3	38.2	39.1	41.6	43.0	44.3	45.6	46.1	46.5	46.6	47.2	49.5	50.5	52.7
24.2	34.2	37.7	41.3	42.4	44.9	46.3	47.7	49.2	49.8	50.1	50.2	50.8	53.3	54.2	56.5
25.1	35.6	39.1	42.7	43.9	46.6	48.0	49.4	50.9	51.5	51.8	51.9	52.5	55.0	55.9	58.2
25.8	37.0	40.6	44.2	45.5	48.2	49.5	51.0	52.5	53.1	53.4	53.5	54.1	56.6	57.5	59.8
27.0	38.6	42.2	45.9	47.3	50.0	51.4	52.8	54.3	54.9	55.2	55.3	55.9	58.4	59.3	61.6
28.9	41.1	44.7	48.4	49.9	52.6	54.0	55.6	57.0	57.6	58.0	58.1	58.6	61.1	62.0	64.3
29.8	42.5	46.3	49.9	51.5	54.3	55.7	57.3	58.8	59.3	59.7	59.8	60.5	63.0	63.9	66.1
30.9	44.7	48.3	52.4	54.1	56.9	58.3	59.9	61.4	61.9	62.3	62.4	63.1	65.6	66.5	68.8
31.4	45.3	49.0	53.5	55.5	58.3	59.7	61.3	62.7	63.3	63.6	63.8	64.4	66.9	67.8	70.1
32.3	47.0	50.9	55.8	57.8	60.7	62.2	63.9	65.3	65.9	66.3	66.4	67.0	69.5	70.5	72.7
33.3	49.9	53.9	59.0	61.1	64.0	65.5	67.2	68.6	69.2	69.5	69.7	70.3	72.8	73.8	76.1
34.0	51.0	55.2	60.6	62.8	65.8	67.3	69.2	70.7	71.4	71.7	71.8	72.5	75.0	75.9	78.3
34.5	52.4	56.8	62.2	64.4	67.4	68.9	70.8	72.3	73.0	73.3	73.4	74.1	76.6	77.5	79.9
34.9	53.2	57.7	63.4	65.7	68.8	70.3	72.3	73.8	74.4	74.8	74.9	75.6	78.1	79.0	81.4
35.1	54.3	59.0	64.7	66.9	70.1	71.7	73.9	75.3	76.1	76.5	76.6	77.3	79.8	80.7	83.1
35.1	55.0	59.8	65.8	68.2	71.6	73.2	75.5	76.9	77.7	78.1	78.2	79.0	81.5	82.4	84.8
35.1	55.2	60.5	66.9	69.5	73.0	74.5	77.2	78.8	79.5	79.9	80.0	80.8	83.3	84.2	86.6
35.3	56.4	61.9	68.5	71.3	75.0	76.6	79.3	80.9	81.8	82.2	82.3	83.1	85.6	86.5	88.9
35.3	56.7	62.7	69.7	72.4	76.5	78.2	81.4	83.0	83.9	84.2	84.3	85.1	87.6	88.5	90.9
35.3	56.7	63.0	70.1	73.0	77.3	79.5	82.8	84.8	85.8	86.1	86.3	87.0	89.5	90.5	92.8
35.3	56.7	63.0	70.2	73.3	77.7	80.3	83.9	86.0	87.3	87.6	87.7	88.5	91.4	92.4	95.5
35.3	56.7	63.0	70.2	73.3	77.8	80.5	84.1	86.6	88.2	88.6	88.9	89.9	93.6	95.0	98.0

TOTAL NUMBER OF OBSERVATIONS 880

NAFETAC 445 00 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77460 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

3600-0800

14.4	19.0	23.4	22.1	22.9	23.6	24.5	26.6	27.2	27.9	27.9	28.0	28.5	29.6	30.0	32.1
20.4	26.0	27.9	30.3	31.7	32.9	34.0	36.3	36.9	37.8	37.9	38.1	38.9	40.6	40.9	43.4
20.6	26.3	28.1	30.5	31.9	33.2	34.2	36.5	37.1	38.0	38.1	38.4	39.2	40.8	41.1	43.7
20.6	26.3	28.1	30.6	32.0	33.3	34.3	36.6	37.2	38.1	38.2	38.5	39.3	40.9	41.2	43.8
21.0	26.6	28.5	31.0	32.4	33.6	34.7	37.0	37.6	38.5	38.7	38.9	39.7	41.4	41.7	44.2
21.8	27.5	29.5	32.3	33.9	35.1	36.3	38.6	39.2	40.1	40.3	40.6	41.4	43.1	43.4	46.0
23.0	29.5	31.5	34.4	36.1	37.0	38.6	40.9	41.5	42.5	42.9	43.1	43.9	45.6	46.0	48.5
24.1	31.0	32.9	36.2	37.9	39.2	40.4	42.7	43.3	44.4	44.7	44.9	45.7	47.5	47.8	50.3
24.1	31.0	32.9	36.3	38.0	39.3	40.6	43.0	43.7	44.7	45.0	45.3	46.1	47.8	48.2	50.7
24.1	31.2	33.2	36.5	38.2	39.5	40.8	43.2	43.9	44.9	45.4	45.6	46.4	48.2	48.5	51.0
24.4	31.9	34.1	37.3	39.1	40.3	41.6	44.0	44.7	45.9	46.3	46.5	47.4	49.1	49.4	52.0
26.2	34.6	37.2	40.7	42.4	43.7	45.0	47.7	48.5	49.7	50.2	50.5	51.3	53.0	53.3	55.9
27.0	35.6	38.4	41.9	43.9	45.3	46.8	49.4	50.2	51.4	52.0	52.3	53.1	54.8	55.2	57.8
27.9	36.8	39.5	43.2	45.2	46.5	48.0	50.7	51.6	52.8	53.3	53.7	54.5	56.2	56.6	59.2
28.7	38.0	40.8	44.5	46.5	47.9	49.4	52.1	53.0	54.1	54.7	55.1	55.9	57.6	57.9	60.6
30.1	39.9	42.6	46.4	48.6	50.0	51.5	54.1	55.1	56.2	56.8	57.1	58.1	59.8	60.3	62.9
32.3	42.7	45.5	49.4	51.6	53.0	54.6	57.3	58.2	59.3	59.9	60.3	61.2	62.9	63.4	66.0
33.5	44.4	47.4	51.5	53.7	55.1	56.7	59.3	60.5	61.6	62.2	62.6	63.6	65.3	65.8	68.4
34.2	45.4	48.5	52.8	55.0	56.3	58.1	60.7	61.9	63.0	63.6	63.9	65.0	66.7	67.2	69.8
35.4	46.9	50.0	54.3	56.5	57.8	59.8	62.4	63.6	64.9	65.4	65.8	66.8	68.5	69.0	71.7
36.6	49.2	52.8	57.5	59.8	61.3	63.4	66.0	67.2	68.4	69.0	69.4	70.4	72.1	72.6	75.2
37.6	50.5	54.3	59.0	61.5	63.4	65.7	68.3	69.5	70.7	71.3	71.7	72.7	74.4	74.9	77.5
37.9	51.4	55.2	59.9	62.4	64.3	66.6	69.2	70.4	71.7	72.2	72.6	73.6	75.3	75.8	78.5
38.4	52.1	55.9	60.6	63.4	65.3	67.6	70.5	71.7	72.9	73.5	73.8	74.9	76.6	77.1	79.7
38.8	52.9	56.8	61.9	64.9	67.3	69.7	72.6	73.7	75.0	75.6	75.9	77.0	78.7	79.1	81.8
39.5	54.1	58.1	63.5	66.7	69.2	71.8	74.7	75.8	77.1	77.8	78.2	79.3	81.0	81.5	84.1
39.6	54.6	58.6	64.6	68.1	70.9	73.5	76.4	77.5	78.8	79.5	80.0	81.0	82.7	83.2	85.8
39.6	55.1	59.3	65.7	69.2	72.2	75.0	78.1	79.3	80.5	81.2	81.7	82.7	84.4	84.9	87.6
39.9	55.6	59.9	66.6	70.4	73.5	76.3	79.8	81.2	82.5	83.2	83.6	84.7	86.4	86.9	89.5
39.9	56.0	60.3	67.4	71.7	74.9	78.1	82.1	83.8	85.6	86.3	86.8	87.8	89.5	90.0	92.6
39.9	56.3	60.3	67.6	72.0	75.2	78.8	82.9	84.7	87.0	88.1	88.7	90.1	92.5	93.2	96.2
39.9	56.0	60.3	67.6	72.0	75.2	78.8	83.1	84.8	87.2	88.4	88.9	90.6	94.2	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 568

USAF ETAC 04145 DLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

137450
111100

BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

18.7	22.6	24.3	25.9	26.6	26.8	27.5	27.4	27.6	27.8	27.8	27.8	27.9	27.9	27.9	27.9
28.9	34.9	37.4	39.1	40.0	40.3	40.4	40.8	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3
28.9	34.9	37.4	39.1	40.0	40.3	40.4	40.8	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3
29.5	35.6	38.1	39.9	40.8	41.2	41.3	41.8	42.0	42.1	42.1	42.1	42.2	42.2	42.2	42.2
30.8	37.2	39.8	42.0	42.9	43.3	43.6	44.0	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.5
33.1	39.9	42.5	44.9	45.8	46.3	46.6	47.1	47.3	47.4	47.4	47.4	47.6	47.6	47.6	47.6
34.1	41.3	43.9	46.3	47.2	47.9	48.4	48.8	49.0	49.1	49.1	49.1	49.3	49.3	49.3	49.3
34.2	41.4	44.0	46.5	47.4	48.1	48.6	49.1	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6
34.4	41.5	44.1	46.6	47.7	48.4	48.8	49.4	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8
35.6	42.9	45.5	48.4	49.4	50.1	50.5	51.2	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6
37.0	44.6	47.3	50.2	51.3	52.0	52.6	53.5	53.7	53.8	53.8	53.8	53.9	53.9	53.9	53.9
39.5	47.9	51.1	54.2	55.4	56.1	56.8	57.7	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
42.0	50.9	54.2	57.3	58.6	59.3	60.0	60.9	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3
42.5	51.6	54.9	58.1	59.4	60.1	60.8	61.7	61.9	62.1	62.1	62.1	62.2	62.2	62.2	62.2
43.2	52.6	55.9	59.2	60.4	61.1	61.8	62.8	63.0	63.4	63.4	63.4	63.5	63.5	63.5	63.5
46.4	56.1	59.4	62.8	64.2	64.8	65.5	66.6	66.8	67.1	67.1	67.1	67.2	67.2	67.2	67.2
47.7	60.2	63.6	67.1	68.7	69.5	70.2	71.2	71.4	71.8	71.8	71.8	71.9	71.9	71.9	71.9
51.6	62.3	65.9	69.4	71.1	71.9	72.6	73.6	73.8	74.2	74.2	74.2	74.3	74.3	74.3	74.3
53.9	65.1	68.7	72.5	74.2	75.1	75.8	76.8	77.0	77.4	77.4	77.4	77.5	77.5	77.5	77.5
57.5	69.3	73.3	77.6	79.4	80.3	81.0	82.0	82.3	82.6	82.6	82.6	82.7	82.7	82.7	82.7
58.7	71.3	75.3	80.0	82.1	83.2	83.8	84.9	85.1	85.4	85.4	85.4	85.6	85.6	85.6	85.6
58.8	71.8	76.2	80.9	83.0	84.1	84.8	85.8	86.0	86.3	86.3	86.3	86.5	86.5	86.5	86.5
59.4	73.2	77.7	82.9	85.2	86.6	87.3	88.3	88.5	88.9	88.9	88.9	89.0	89.0	89.0	89.0
59.7	74.2	79.0	84.4	86.8	88.2	88.9	90.0	90.2	90.6	90.6	90.6	90.7	90.7	90.7	90.7
63.2	75.2	81.2	85.9	88.5	90.0	90.8	92.2	92.4	92.7	92.7	92.7	92.8	92.8	92.8	92.8
60.5	76.1	81.1	86.9	89.8	91.2	92.0	93.5	93.7	94.1	94.1	94.1	94.2	94.2	94.2	94.2
60.5	76.3	81.3	87.3	90.3	91.8	93.2	95.0	95.2	95.6	95.6	95.6	95.7	95.7	95.7	95.7
60.5	76.6	81.7	87.6	91.1	92.8	94.4	96.6	96.8	97.2	97.2	97.2	97.3	97.3	97.3	97.3
60.5	76.7	81.8	88.2	91.7	93.4	95.2	97.7	98.1	98.5	98.6	98.6	98.7	98.7	98.7	98.7
67.5	76.7	81.8	88.2	91.9	93.7	95.6	98.3	98.7	99.2	99.3	99.4	99.5	99.5	99.7	99.7
60.5	76.7	81.8	88.2	91.9	93.7	95.6	98.3	98.7	99.2	99.3	99.4	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 879

USAFETAC 137450 0145 0145 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17467 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

19.7	24.1	24.4	25.1	25.4	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
33.9	40.3	40.7	41.4	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
34.0	40.4	40.8	41.5	41.8	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
34.1	40.5	40.9	41.6	41.9	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
35.5	41.9	42.3	43.0	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
37.2	43.8	44.1	44.8	45.1	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
41.2	48.3	48.7	49.5	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
42.6	49.9	50.3	51.1	51.5	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
42.9	50.2	50.5	51.4	51.9	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
43.2	50.5	50.9	51.8	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
44.3	51.7	52.0	52.9	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
49.5	57.6	58.1	59.1	59.8	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
52.3	61.5	62.1	63.2	63.9	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
56.9	66.4	67.0	68.2	68.8	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
58.8	68.5	69.1	70.2	70.9	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
61.5	71.5	72.2	73.4	74.1	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
65.8	76.5	77.2	78.6	79.3	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
69.8	81.9	82.7	84.2	84.9	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
71.4	83.8	84.8	86.3	86.9	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
72.5	85.3	86.5	88.1	88.9	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
74.3	88.0	89.3	91.2	92.2	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
75.1	88.9	90.3	92.7	93.8	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
75.3	89.2	90.6	93.0	94.4	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
76.1	90.1	91.6	94.0	95.8	96.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
76.5	90.8	92.3	94.7	96.6	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
76.7	91.2	92.8	95.2	97.1	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
76.9	91.4	93.0	95.8	97.7	98.5	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
76.9	91.4	93.0	95.8	97.7	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
76.9	91.4	93.0	95.8	97.7	98.6	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
76.9	91.4	93.0	95.8	97.7	98.7	99.1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
76.9	91.4	93.0	95.8	97.7	98.7	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
76.9	91.4	93.0	95.8	97.7	98.7	99.1	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 873

USAF ETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10441 LOSCOMBE DOWN UK

73-87

SEP

PER CENT FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

16.4	22.5	23.7	23.5	24.7	24.0	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
34.1	42.4	42.9	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
34.1	42.4	42.9	43.5	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
35.4	44.1	44.6	45.2	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
36.1	47.6	48.1	48.8	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
41.1	51.2	51.9	52.4	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
42.3	52.7	53.2	53.9	54.6	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
42.8	53.1	53.7	54.4	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
43.3	53.7	54.3	54.9	55.6	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
44.5	55.7	56.3	57.0	57.8	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
51.3	62.9	63.6	64.5	65.5	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
55.9	68.0	68.8	70.0	71.0	71.3	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
56.7	71.4	72.4	73.5	74.6	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
59.5	72.5	73.4	74.5	75.7	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
62.1	75.1	76.0	77.1	78.3	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
65.3	79.0	80.1	81.2	82.5	82.8	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
67.1	82.5	83.8	85.0	86.3	86.6	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
68.6	84.1	85.4	86.8	88.3	88.7	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
69.1	84.9	86.2	87.6	89.4	89.9	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
70.4	86.5	88.1	90.1	92.3	92.7	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
70.6	87.0	88.7	91.0	93.3	93.9	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
70.8	87.5	89.3	91.9	94.2	94.8	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
70.9	87.6	89.5	92.2	94.5	95.1	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
71.1	88.3	90.2	92.8	95.2	95.8	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
71.2	88.4	91.3	93.1	95.7	96.2	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
71.3	88.7	90.7	93.4	96.0	96.6	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
71.3	88.9	91.8	93.5	96.2	96.9	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
71.5	89.2	91.1	94.0	96.7	97.5	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
71.6	89.2	91.1	94.2	96.9	98.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.6	89.2	91.1	94.2	96.9	98.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
71.6	89.2	91.1	94.2	96.9	98.0	98.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

879

USAF ETAC 10441 LOSCOMBE DOWN UK 73-87 SEP 1500-1700

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12/80 BOSCOMBE DOWN UK

73-82

SEP

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1980-2000

19.9	28.1	37.1	31.9	32.7	33.1	33.1	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
32.5	44.3	46.5	48.7	49.5	50.1	50.1	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
32.7	44.1	46.7	48.9	49.7	50.2	50.2	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
32.7	44.1	46.7	48.9	49.7	50.2	50.2	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
33.5	45.1	47.9	50.2	51.0	51.6	51.6	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
35.4	47.4	51.2	52.5	53.3	53.9	53.9	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
38.5	51.5	54.3	56.7	57.6	58.2	58.2	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
38.8	52.4	55.4	57.9	58.8	59.3	59.5	60.0	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
39.1	53.1	56.3	58.5	59.6	60.1	60.4	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
39.2	53.2	56.2	58.7	59.7	60.3	60.5	61.0	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
41.1	54.1	57.2	59.7	60.8	61.4	61.6	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
43.6	58.5	61.6	64.4	66.4	67.2	67.4	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
45.4	61.2	64.4	67.7	69.8	70.6	71.3	71.5	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
47.2	63.4	66.7	70.6	72.8	73.6	73.9	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
47.7	64.4	67.8	71.6	73.8	74.6	75.1	75.6	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
51.1	68.8	72.3	76.5	78.7	79.6	80.1	80.6	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
52.8	71.6	75.5	80.0	82.2	83.1	83.6	84.4	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
53.3	73.1	77.3	81.9	84.2	85.1	85.5	86.3	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
54.1	73.7	77.9	82.7	85.1	86.1	86.7	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
54.4	74.5	78.8	83.8	86.3	87.4	88.0	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
55.7	75.7	80.3	85.4	88.2	89.3	90.3	91.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
55.2	76.7	81.2	86.4	89.3	90.4	91.1	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
55.5	77.3	81.7	86.9	90.0	91.1	91.8	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
55.5	77.4	82.6	88.0	91.5	92.7	93.4	94.6	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
55.7	78.0	83.1	88.6	92.1	93.5	94.2	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
55.8	78.5	83.8	89.4	92.9	94.3	95.1	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
55.9	78.7	84.1	89.6	93.2	94.6	95.6	96.8	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
55.9	78.8	84.2	89.7	93.3	94.8	95.7	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
55.9	78.9	84.4	90.0	93.6	95.2	96.1	97.8	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
55.9	79.0	84.5	90.1	93.8	95.8	96.8	98.6	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
55.9	79.3	84.5	90.1	93.8	95.8	96.8	98.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
55.9	79.3	84.5	90.1	93.8	95.8	96.8	98.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

3746 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

23.5	31.3	33.9	37.2	38.6	39.6	40.2	42.1	42.7	42.8	42.9	42.9	43.2	43.3	43.3	43.5
28.0	38.7	42.2	46.2	47.6	48.7	49.4	51.3	51.9	52.0	52.1	52.1	52.4	52.6	52.6	52.7
28.7	38.7	42.2	46.2	47.6	48.7	49.4	51.3	51.9	52.0	52.1	52.1	52.4	52.6	52.6	52.7
28.7	38.7	42.2	46.2	47.6	48.7	49.4	51.3	51.9	52.0	52.1	52.1	52.4	52.6	52.6	52.7
28.6	39.2	42.9	47.0	48.5	49.6	50.3	52.2	52.8	52.9	53.0	53.0	53.4	53.5	53.5	53.6
29.5	40.4	44.1	48.4	49.8	51.0	51.6	53.6	54.2	54.3	54.4	54.4	54.7	54.8	54.8	54.9
30.7	42.2	46.0	50.3	51.8	52.9	53.6	55.5	56.1	56.2	56.3	56.3	56.7	56.8	56.8	56.9
32.2	44.4	48.5	52.9	54.4	55.5	56.2	58.1	58.8	58.9	59.2	59.2	59.5	59.6	59.6	59.7
32.3	44.5	48.6	53.0	54.5	55.6	56.3	58.2	58.9	59.0	59.3	59.3	59.6	59.7	59.7	59.8
32.3	44.7	48.8	53.2	54.7	55.9	56.5	58.5	59.2	59.3	59.5	59.5	59.8	60.0	60.0	60.1
33.6	46.5	50.7	55.3	56.8	57.9	58.6	60.5	61.2	61.3	61.5	61.5	61.9	62.0	62.0	62.1
35.8	49.7	54.6	59.3	61.0	62.2	62.9	64.8	65.5	65.6	65.9	65.9	66.2	66.3	66.3	66.4
37.1	51.5	56.4	61.4	63.1	64.4	65.1	67.0	67.7	67.8	68.0	68.0	68.4	68.5	68.5	68.6
38.3	53.4	58.2	63.3	65.0	66.2	66.9	68.9	69.6	69.7	70.0	70.0	70.3	70.4	70.4	70.5
38.7	54.2	59.7	64.4	66.2	67.5	68.1	70.2	71.1	71.2	71.4	71.4	71.8	71.9	71.9	72.0
39.7	56.2	61.4	66.9	68.8	70.2	71.0	73.2	74.1	74.2	74.4	74.4	74.7	74.9	74.9	75.0
41.3	58.1	63.4	68.8	70.9	72.2	73.0	75.2	76.1	76.2	76.5	76.5	76.8	76.9	76.9	77.0
42.5	60.3	65.9	71.3	73.5	75.0	75.8	77.9	78.8	79.1	79.3	79.3	79.6	79.7	79.7	79.9
43.7	61.3	66.9	72.4	74.5	76.0	76.8	79.1	80.1	80.3	80.5	80.5	80.9	81.0	81.0	81.1
43.2	62.0	67.9	73.4	75.5	77.0	77.9	80.3	81.3	81.6	81.8	81.8	82.1	82.3	82.3	82.4
43.9	64.1	70.1	75.9	78.2	80.0	80.9	83.4	84.4	84.6	84.9	84.9	85.2	85.3	85.3	85.4
44.6	65.4	71.4	77.5	79.7	81.6	82.6	85.3	86.3	86.6	86.8	86.8	87.1	87.3	87.3	87.4
44.6	65.6	71.7	77.8	80.2	82.0	83.0	85.9	86.9	87.1	87.4	87.4	87.7	87.8	87.8	87.9
44.6	66.1	72.4	78.5	81.3	83.2	84.2	87.3	88.3	88.5	88.7	88.7	89.1	89.2	89.2	89.3
44.8	67.1	73.5	79.7	82.6	84.6	85.9	89.0	90.0	90.2	90.4	90.4	90.8	90.9	90.9	91.0
45.4	67.9	74.3	80.7	83.6	86.0	87.3	90.3	91.4	91.6	91.8	91.8	92.2	92.3	92.3	92.4
45.6	68.3	74.9	81.7	84.6	87.0	88.3	91.4	92.4	92.6	92.8	92.8	93.2	93.3	93.3	93.4
45.6	68.5	75.3	82.4	85.6	88.1	89.5	92.8	94.1	94.3	94.5	94.5	94.9	95.0	95.0	95.1
45.6	68.5	75.3	82.7	86.1	88.6	90.1	93.4	94.7	94.9	95.1	95.1	95.6	95.7	95.8	95.9
45.6	68.6	75.4	83.4	86.8	89.3	91.0	94.5	96.0	96.4	96.6	96.6	97.2	97.3	97.4	97.6
45.6	68.6	75.4	83.4	86.8	89.3	91.0	94.8	96.6	97.3	97.6	97.6	98.4	98.5	98.6	99.0
45.6	68.6	75.4	83.4	86.8	89.3	91.0	95.0	96.8	97.5	98.0	98.1	98.9	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 879

NOTE: DATA FOR THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17460 BOSCOMBE DOWN UK

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

18.9	25.3	26.9	28.7	29.6	30.5	30.9	31.8	32.3	32.5	32.6	32.7	32.9	33.3	33.5	74.2
27.8	36.1	38.2	40.3	41.3	42.3	42.8	43.8	44.3	44.6	44.7	44.8	45.0	45.6	45.8	46.6
27.9	36.1	38.2	40.4	41.4	42.4	42.8	43.9	44.3	44.7	44.8	44.8	45.1	45.6	45.8	46.7
27.9	36.2	38.3	40.4	41.5	42.5	42.9	43.9	44.4	44.7	44.8	44.9	45.1	45.7	45.9	46.7
28.6	37.0	39.1	41.3	42.4	43.4	43.8	44.8	45.3	45.6	45.8	45.8	46.0	46.6	46.8	47.7
29.8	38.5	40.7	43.0	44.1	45.1	45.6	46.6	47.1	47.4	47.5	47.6	47.8	48.4	48.6	49.5
31.9	41.3	43.6	46.0	47.1	48.2	48.7	49.7	50.2	50.6	50.7	50.8	51.0	51.6	51.8	52.6
32.8	42.7	44.9	47.5	48.6	49.8	50.3	51.4	51.9	52.3	52.4	52.5	52.7	53.3	53.5	54.4
33.7	42.9	45.2	47.7	48.8	50.0	50.6	51.7	52.2	52.6	52.8	52.8	53.1	53.7	53.9	54.7
33.2	43.2	45.4	48.0	49.2	50.3	50.9	52.0	52.5	52.9	53.1	53.2	53.4	54.0	54.2	55.0
34.1	44.4	46.7	49.4	50.6	51.7	52.3	53.4	53.9	54.3	54.5	54.6	54.8	55.4	55.6	56.4
37.1	48.0	50.6	53.4	54.9	56.1	56.7	58.0	58.5	58.9	59.1	59.2	59.4	60.1	60.3	61.1
39.7	50.5	53.3	56.3	57.8	59.1	59.8	61.0	61.6	62.0	62.2	62.3	62.5	63.2	63.4	64.2
40.9	53.0	55.8	58.9	60.5	61.8	62.5	63.7	64.3	64.7	64.9	65.0	65.3	65.9	66.1	66.9
41.7	54.2	57.0	60.2	61.8	63.1	63.8	65.1	65.7	66.1	66.3	66.4	66.7	67.3	67.5	68.3
43.7	56.7	59.6	63.0	64.7	66.0	66.7	68.0	68.6	69.1	69.3	69.3	69.6	70.2	70.4	71.3
45.9	59.6	62.6	66.0	67.8	69.1	69.8	71.2	71.8	72.2	72.5	72.5	72.8	73.4	73.6	74.5
47.7	62.4	65.6	69.1	70.9	72.3	73.1	74.4	75.1	75.6	75.8	75.8	76.1	76.8	77.0	77.8
48.6	63.6	66.8	70.5	72.5	73.9	74.6	76.0	76.7	77.2	77.4	77.4	77.8	78.4	78.6	79.4
49.5	65.0	68.4	72.2	74.2	75.7	76.5	77.9	78.6	79.1	79.3	79.4	79.7	80.3	80.5	81.4
51.0	67.5	71.1	75.2	77.5	79.0	79.8	81.3	82.0	82.5	82.7	82.7	83.1	83.7	83.9	84.8
51.6	68.6	72.4	76.7	79.1	80.7	81.7	83.2	83.9	84.4	84.6	84.7	85.0	85.6	85.8	86.7
51.9	69.3	73.2	77.6	80.1	81.7	82.6	84.2	84.9	85.4	85.6	85.7	86.0	86.6	86.8	87.7
52.2	70.0	74.0	78.6	81.3	83.0	83.9	85.6	86.3	86.9	87.1	87.1	87.4	88.1	88.3	89.1
52.5	70.9	75.0	79.6	82.4	84.3	85.3	87.0	87.7	88.3	88.5	88.5	88.9	89.5	89.7	90.6
52.8	71.5	75.7	80.5	83.5	85.4	86.5	88.3	89.1	89.6	89.8	89.9	90.2	90.8	91.1	91.9
53.0	71.9	76.2	81.4	84.4	86.4	87.5	89.4	90.2	90.7	90.9	91.0	91.3	91.9	92.2	93.0
53.7	72.3	76.7	82.0	85.2	87.3	88.5	90.6	91.5	92.0	92.3	92.3	92.7	93.3	93.5	94.4
53.1	72.5	77.0	82.5	85.9	88.1	89.4	91.9	92.8	93.4	93.6	93.7	94.0	94.7	94.9	95.8
53.1	72.6	77.2	82.9	86.4	88.8	90.3	92.9	94.0	94.8	95.0	95.1	95.4	96.1	96.3	97.2
53.1	72.6	77.2	83.0	86.5	89.0	90.6	93.4	94.6	95.3	95.9	96.0	96.4	97.2	97.5	98.5
53.1	72.6	77.2	83.0	86.5	89.0	90.6	93.5	94.8	95.7	96.1	96.3	96.8	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

7017

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17400 60SCOMBE DOWN JK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0000-2000

16.8	24.9	26.4	28.4	31.1	31.3	31.9	33.1	34.0	34.4	34.5	34.6	34.9	35.4	35.6	37.4
20.3	30.2	32.8	35.2	37.1	38.7	39.7	41.0	41.9	42.3	42.5	42.6	42.8	43.3	43.5	45.5
20.5	30.4	33.3	35.4	37.4	38.9	40.0	41.3	42.1	42.6	42.7	42.8	43.0	43.5	43.8	45.7
20.5	30.4	33.0	35.4	37.4	38.9	40.0	41.3	42.1	42.6	42.7	42.8	43.0	43.5	43.8	45.7
20.6	30.5	33.2	35.6	37.6	39.1	40.2	41.5	42.3	42.8	42.9	43.0	43.2	43.8	44.0	45.9
21.3	31.5	34.4	36.9	38.9	40.4	41.5	42.8	43.6	44.1	44.2	44.3	44.5	45.1	45.3	47.2
21.7	33.0	35.9	38.4	40.4	41.9	43.1	44.4	45.3	45.7	45.8	45.9	46.1	46.7	46.9	48.9
22.0	33.6	36.5	39.2	41.3	42.9	44.2	45.5	46.4	46.8	46.9	47.0	47.2	47.8	48.0	49.9
22.1	34.0	36.9	39.6	41.7	43.3	44.6	45.9	46.8	47.2	47.3	47.4	47.7	48.2	48.4	50.4
22.1	34.2	37.1	39.8	42.0	43.6	45.0	46.3	47.1	47.6	47.7	47.8	48.0	48.5	48.8	50.7
22.9	35.4	38.4	41.5	43.9	45.6	46.9	48.2	49.1	49.6	49.7	49.8	50.1	50.6	50.8	52.9
24.0	38.0	41.4	44.8	47.6	49.3	50.6	52.1	53.2	53.7	54.0	54.1	54.3	54.8	55.0	57.1
24.5	39.4	42.8	46.5	49.3	51.0	52.3	54.0	55.2	55.7	55.9	56.0	56.2	56.8	57.0	59.1
25.7	40.9	44.3	48.1	51.0	52.8	54.1	55.8	57.0	57.5	57.8	57.9	58.1	58.6	58.8	60.9
26.5	42.3	45.5	49.3	52.2	54.0	55.3	57.0	58.2	58.7	59.1	59.2	59.4	59.9	60.2	62.2
26.7	44.5	48.3	52.4	55.5	57.3	58.6	60.4	61.6	62.1	62.4	62.5	62.8	63.3	63.5	65.6
29.6	46.7	50.7	54.8	58.1	59.9	61.2	63.0	64.2	64.7	65.0	65.1	65.4	65.9	66.1	68.2
30.7	48.9	53.4	58.1	61.6	63.6	65.0	67.0	68.2	68.7	69.1	69.2	69.4	70.0	70.2	72.3
31.3	49.9	54.6	59.4	62.9	65.3	66.7	68.7	70.0	70.6	70.9	71.0	71.2	72.0	72.2	74.3
31.8	51.4	56.2	61.3	64.8	67.2	68.6	71.1	72.4	73.0	73.3	73.4	73.6	74.4	74.6	76.8
33.2	53.3	58.4	63.6	67.2	69.7	71.3	74.4	75.8	76.3	76.7	76.8	77.0	77.9	78.1	80.3
34.1	54.8	60.0	65.6	69.5	72.1	73.9	77.0	78.5	79.0	79.4	79.5	79.7	80.6	80.8	83.1
34.3	55.7	61.0	66.6	70.7	73.5	75.4	78.5	80.0	80.6	80.9	81.0	81.2	82.1	82.3	84.6
34.4	56.7	62.0	68.1	72.4	75.4	77.2	80.5	82.1	82.6	83.0	83.1	83.3	84.1	84.4	86.6
34.4	57.3	62.6	68.8	73.4	76.3	78.3	81.5	83.4	83.9	84.3	84.4	84.6	85.5	85.7	87.9
34.4	57.4	63.1	69.4	73.9	77.0	79.2	82.6	84.6	85.2	85.6	85.7	86.0	86.9	87.1	89.4
34.4	57.7	63.3	69.7	74.4	77.5	79.8	83.4	85.3	86.0	86.3	86.4	86.8	87.6	87.8	90.1
34.5	58.3	64.1	70.6	75.5	78.7	81.2	85.0	87.0	87.7	88.1	88.2	88.5	89.4	89.6	91.9
34.5	58.5	64.5	71.2	76.2	79.6	82.2	86.1	88.2	88.9	89.3	89.4	89.7	90.6	90.8	93.1
34.5	58.6	64.6	71.3	76.9	80.2	83.0	87.2	89.3	90.6	91.0	91.1	91.5	92.4	92.6	94.9
34.5	58.6	64.6	71.3	77.2	80.9	83.8	88.2	90.3	91.7	92.4	92.5	92.9	93.9	94.1	97.0
34.5	58.6	64.7	71.4	77.3	81.0	83.9	88.3	90.4	92.1	92.8	92.9	93.6	95.7	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: BOSCOMBE DOWN UK

73-82

007

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

15.3	21.8	23.5	24.3	26.2	27.6	28.6	30.1	30.7	30.9	31.0	31.1	31.9	32.5	32.8	35.2
17.2	25.9	28.4	29.3	31.6	33.2	34.2	35.8	36.1	36.7	36.8	36.9	37.9	38.5	38.9	41.2
17.4	26.0	28.5	29.4	31.7	33.3	34.3	35.9	36.2	36.8	36.9	37.0	38.0	38.6	39.9	41.3
17.5	26.1	28.6	29.5	31.8	33.4	34.4	36.0	36.4	36.9	37.0	37.1	38.1	38.8	39.7	41.4
17.7	26.7	29.3	30.2	32.5	34.2	35.2	36.8	37.1	37.7	37.8	37.9	38.9	39.5	39.7	42.1
18.1	27.6	30.1	31.1	33.4	35.0	36.0	37.7	38.0	38.5	38.6	38.8	39.7	40.4	40.6	43.0
18.7	28.6	31.1	32.2	34.7	36.5	37.4	39.2	39.5	40.1	40.2	40.3	41.3	41.9	42.1	44.5
19.2	29.3	31.8	32.9	35.4	37.1	38.1	39.8	40.2	40.7	40.8	40.9	41.9	42.6	42.8	45.2
19.4	29.6	32.1	33.2	35.7	37.4	38.4	40.2	40.5	41.0	41.2	41.3	42.2	42.9	43.1	45.5
19.7	30.1	32.6	33.8	36.5	38.2	39.2	40.9	41.3	41.8	41.9	42.0	43.0	43.7	43.9	46.3
20.6	31.2	33.7	35.0	37.9	39.6	40.8	42.7	43.0	43.6	43.7	43.8	44.8	45.4	45.6	48.1
21.5	33.1	35.9	37.8	41.2	43.0	44.5	46.9	47.5	48.1	48.3	48.4	49.5	50.1	50.4	53.2
22.2	34.0	37.0	39.7	43.2	45.2	46.8	49.3	49.9	50.5	50.7	50.8	51.9	52.5	52.9	55.7
23.1	35.4	38.5	41.5	45.2	47.2	48.9	51.4	52.0	52.7	52.9	53.1	54.1	54.8	55.2	58.0
23.4	35.7	38.9	41.8	45.5	47.5	49.2	51.7	52.3	53.1	53.3	53.4	54.5	55.1	55.6	58.3
25.0	38.2	41.4	45.0	48.7	50.7	52.5	55.1	55.7	56.4	56.7	56.8	57.9	58.5	59.0	61.7
26.4	40.8	44.5	48.4	52.3	54.3	56.1	58.7	59.4	60.2	60.4	60.5	61.6	62.2	62.7	65.4
27.7	42.8	46.7	50.8	54.9	56.9	58.7	61.5	62.1	63.0	63.2	63.3	64.4	65.2	65.6	68.3
28.5	43.9	47.9	52.2	56.4	58.5	60.4	63.1	63.8	64.6	64.8	65.0	66.2	66.9	67.4	70.1
29.5	45.4	49.5	54.0	58.3	60.5	62.4	65.2	65.8	66.7	66.9	67.0	68.2	69.0	69.4	72.2
30.5	47.2	51.4	56.3	60.9	63.2	65.2	68.1	68.8	69.8	70.0	70.1	71.3	72.2	72.6	75.4
31.0	48.4	52.8	58.3	63.2	65.6	67.6	70.5	71.3	72.4	72.6	72.7	73.9	74.8	75.2	78.1
31.1	48.8	53.3	58.8	63.8	66.3	68.7	71.5	72.3	73.4	73.6	73.7	74.9	75.8	76.2	79.0
31.9	49.6	54.3	60.2	65.4	67.9	69.9	73.3	74.0	75.1	75.3	75.4	76.6	77.5	77.9	80.8
32.0	50.9	55.7	62.0	67.4	70.0	71.9	75.4	76.2	77.3	77.5	77.6	78.8	79.8	80.2	83.1
32.3	51.7	56.9	63.5	69.0	71.9	74.0	77.7	78.5	79.6	79.8	79.9	81.2	82.2	82.6	85.5
32.3	52.2	57.4	64.4	70.0	73.1	75.2	79.0	79.8	80.9	81.1	81.2	82.5	83.6	84.1	86.9
32.3	52.7	58.3	65.5	71.2	74.9	77.2	81.4	82.4	83.6	83.8	84.0	85.3	86.4	86.8	89.6
32.4	53.1	59.0	66.3	72.1	76.0	78.3	82.9	83.8	85.0	85.3	85.4	86.7	87.8	88.2	91.0
32.4	53.4	59.3	67.2	73.1	77.2	79.8	84.8	86.0	87.3	87.6	87.7	89.1	90.2	90.6	93.4
32.4	53.4	59.3	67.2	73.5	77.5	80.1	85.5	86.8	88.1	88.3	88.4	90.0	91.0	91.5	95.3
32.4	53.4	59.3	67.2	73.5	77.5	80.2	85.7	87.1	88.5	88.9	89.0	90.6	92.2	92.9	100.0

TOTAL NUMBER OF OBSERVATIONS

916

USAF ETAC

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

137467 BOSCOMBE DOWN UK

73-82

007

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-1800

17.0	14.7	15.6	15.7	16.3	16.2	16.6	17.2	17.3	17.6	17.8	18.1	18.6	19.5	20.1	22.1
15.2	20.8	22.4	23.3	24.1	24.5	24.9	26.0	26.2	26.6	27.0	27.4	28.2	29.6	30.2	32.5
15.5	21.2	22.7	23.7	24.4	24.9	25.2	26.3	26.5	26.9	27.4	27.7	28.6	29.9	30.5	32.8
15.6	21.3	22.8	23.8	24.5	25.0	25.3	26.4	26.6	27.0	27.5	27.8	28.7	30.0	30.6	32.9
15.8	21.6	23.2	24.3	25.3	25.7	26.1	27.2	27.4	27.8	28.2	28.6	29.4	30.9	31.5	33.8
16.6	22.8	24.5	25.7	26.8	27.4	27.9	29.1	29.3	29.8	30.2	30.6	31.5	32.9	33.6	35.9
18.3	25.3	26.9	28.1	29.4	30.1	30.6	32.1	32.3	32.7	33.4	33.8	34.7	36.2	36.9	39.1
19.3	26.7	28.8	30.0	31.3	32.0	32.5	34.2	34.5	34.9	35.6	36.0	36.9	38.4	39.0	41.3
19.3	26.8	28.9	30.1	31.4	32.1	32.6	34.4	34.6	35.0	35.7	36.1	37.1	38.6	39.3	41.5
19.5	27.2	29.2	30.4	31.7	32.4	33.3	35.3	35.6	36.0	36.6	37.1	38.1	39.6	40.2	42.5
20.4	28.1	30.2	31.7	33.2	33.8	34.7	36.8	37.0	37.4	38.1	38.5	39.5	41.0	41.7	43.9
21.4	30.6	32.8	34.9	37.0	37.8	38.9	41.4	41.8	42.6	43.4	43.8	44.9	46.5	47.1	49.5
22.5	32.2	34.4	36.6	39.0	39.9	41.1	43.7	44.2	45.0	45.8	46.2	47.3	49.0	49.6	52.0
23.6	33.4	35.7	37.9	40.7	41.5	42.7	45.4	45.8	46.8	47.5	48.1	49.3	50.9	51.6	54.0
24.3	34.5	36.8	39.1	42.1	43.0	44.2	46.9	47.3	48.3	49.1	49.6	50.8	52.5	53.1	55.5
26.2	36.9	39.4	41.9	45.4	46.3	47.7	50.5	50.9	51.9	52.7	53.2	54.4	56.1	56.7	59.1
28.2	39.8	42.5	45.0	48.9	49.8	51.3	54.2	54.6	55.6	56.4	56.9	58.1	59.9	60.5	62.9
29.9	42.5	45.6	48.3	52.1	53.3	54.9	57.9	58.3	59.5	60.3	60.9	62.1	63.8	64.4	66.8
30.4	43.5	46.7	49.9	53.8	55.0	56.5	59.5	60.0	61.2	61.9	62.5	63.7	65.4	66.1	68.5
31.6	45.1	48.3	51.6	55.4	56.7	58.2	61.5	61.9	63.1	63.9	64.4	65.6	67.4	68.0	70.4
32.5	46.9	50.3	53.5	57.9	59.3	60.9	64.2	64.8	66.0	67.0	67.5	68.7	70.4	71.1	73.6
32.9	48.2	51.7	55.0	59.5	61.2	62.8	66.2	66.7	67.9	68.9	69.5	70.8	72.5	73.2	75.7
33.0	48.7	52.2	55.7	60.4	62.1	63.7	67.4	67.9	69.1	70.1	70.7	72.0	73.7	74.4	76.9
33.4	49.7	53.5	57.4	62.4	64.3	66.1	69.9	70.6	71.8	72.7	73.3	74.6	76.3	77.0	79.5
33.8	50.7	54.9	59.2	64.7	66.7	68.7	72.5	73.2	74.4	75.4	75.9	77.2	79.0	79.6	82.1
33.9	51.3	55.7	60.4	66.3	68.7	70.8	74.6	75.2	76.4	77.4	78.0	79.3	81.0	81.7	84.2
33.9	51.4	55.8	61.0	67.0	69.5	71.5	75.7	76.3	77.5	78.5	79.1	80.4	82.1	82.8	85.3
34.0	51.9	56.6	61.7	67.8	70.6	72.8	77.5	78.2	79.5	80.5	81.0	82.3	84.1	84.7	87.2
34.3	52.0	56.9	62.4	68.8	71.8	74.0	79.2	79.9	81.2	82.2	82.8	84.1	85.8	86.5	89.0
34.3	52.1	57.0	62.7	69.9	73.1	75.6	80.9	81.7	83.0	84.0	84.5	85.8	87.7	88.3	90.8
34.3	52.1	57.0	62.7	69.9	73.1	75.7	81.1	81.9	83.4	84.6	85.2	86.8	89.0	89.9	93.7
34.0	52.1	57.0	62.7	69.9	73.1	75.7	81.1	81.9	83.5	84.7	85.3	87.1	90.2	91.3	100.0

TOTAL NUMBER OF OBSERVATIONS 917

CEILING VERSUS VISIBILITY

73-E2

257

1929-1150

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

137451 BOSCOMBE DOWN UK

73-82

201

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1700-1400

12.1	15.6	16.8	17.5	17.9	18.2	18.5	18.5	18.7	18.8	19.8	18.8	18.8	18.8	18.8	18.8
22.7	27.9	29.6	30.7	31.3	32.0	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
22.7	27.9	29.6	30.7	31.3	32.0	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
22.7	27.9	29.6	30.7	31.3	32.0	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
24.5	29.9	31.7	33.0	33.5	34.2	34.6	34.6	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9
26.5	32.2	34.0	35.2	35.8	36.4	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1
29.9	36.1	37.9	39.1	39.8	40.4	41.0	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3
30.7	37.1	38.9	40.2	40.9	41.6	42.2	42.3	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6
30.9	37.3	39.1	40.7	41.3	42.0	42.7	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0
31.3	37.7	39.6	41.2	41.9	42.6	43.2	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
32.6	39.3	41.2	42.9	43.6	44.2	44.9	45.0	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3
35.8	43.5	46.0	48.2	48.9	49.6	50.4	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
38.2	46.4	49.1	51.3	52.1	52.7	53.5	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
41.1	49.7	52.5	54.9	55.8	56.4	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
42.2	51.1	53.9	56.2	57.1	57.8	58.5	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
45.7	55.1	57.9	60.2	61.1	61.8	62.6	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
49.8	60.2	63.1	65.5	66.5	67.3	68.0	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
54.2	65.4	68.6	71.1	72.2	73.0	73.9	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
56.3	67.3	70.5	73.1	74.3	75.1	76.0	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
57.4	69.4	72.7	75.9	77.3	78.2	79.1	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
61.1	74.9	79.8	82.6	84.2	85.3	86.1	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
61.7	76.1	80.1	84.4	86.4	87.5	88.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
62.3	77.3	81.3	85.7	87.8	88.9	89.9	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
63.1	79.1	83.4	87.7	89.8	90.9	92.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
63.2	79.6	84.5	89.3	91.6	92.7	93.9	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
63.5	80.3	85.5	90.4	92.8	94.1	95.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
63.8	80.9	86.1	91.2	93.7	95.0	96.1	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
63.8	80.9	86.4	91.4	94.1	95.3	96.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
63.8	80.9	86.4	91.5	94.4	95.8	97.1	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
63.8	80.9	86.4	91.5	94.4	95.8	97.2	99.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8
63.8	80.9	86.4	91.5	94.5	95.9	97.3	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
63.8	80.9	86.4	91.5	94.5	95.9	97.3	99.1	99.3	99.7	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 895

USAF ETAC 137451 BOSCOMBE DOWN UK 73-82 201 1700-1400

2
GENERAL CLIMATOLOGY BRANCH
STAFSTAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

1945 EDSOMBE DOWN UP

73-87

OCT

ALL DATA ARE FREQUENCY OF OCCURRENCE
FROM 1000 HOURS OBSERVATION

1500-1700

16.3	19.2	20.3	21.0	21.5	21.9	22.0	22.0	22.3	22.3	22.3	22.4	22.4	22.4	22.4	22.4
26.5	31.7	33.3	34.4	35.0	35.4	35.9	36.0	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3
26.7	31.9	33.5	34.7	35.2	35.7	36.1	36.2	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5
26.8	32.0	33.7	34.8	35.3	35.8	36.2	36.3	36.5	36.5	36.5	36.7	36.7	36.7	36.7	36.7
28.2	33.4	35.1	36.2	36.8	37.2	37.7	37.8	38.1	38.0	38.0	38.1	38.1	38.1	38.1	38.1
37.1	35.8	37.5	38.6	39.2	39.6	40.1	40.2	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5
33.7	39.4	41.3	42.4	43.0	43.4	43.9	44.0	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3
34.4	40.3	42.3	43.4	44.0	44.4	44.9	45.0	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3
35.1	41.1	43.2	44.4	45.0	45.4	45.8	46.0	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3
35.2	41.7	43.9	45.2	45.7	46.2	46.6	46.7	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1
36.7	43.4	45.5	47.2	47.7	48.2	48.6	48.7	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.1
39.1	48.0	50.2	52.0	52.6	53.2	53.9	54.2	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5
42.7	51.6	53.8	55.9	56.6	57.1	57.9	58.1	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5
44.2	53.9	56.1	58.3	58.9	59.5	60.2	60.5	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8
46.2	56.0	58.3	60.4	61.0	61.6	62.3	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9
50.2	61.8	63.0	65.1	66.0	66.6	67.3	67.6	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9
52.7	64.5	66.7	69.2	70.1	70.8	71.5	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3
56.0	68.8	71.1	74.0	75.2	76.1	76.9	77.6	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0
56.3	69.2	71.7	74.5	75.7	76.7	77.5	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6
57.6	72.2	74.6	78.2	79.7	80.7	81.6	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7
60.1	75.9	78.5	82.4	84.1	85.5	86.4	87.6	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9
61.0	76.9	79.5	83.6	85.4	87.2	88.0	89.3	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7
61.7	77.2	80.0	84.2	86.0	88.0	88.9	90.4	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8
61.7	78.3	81.2	85.6	87.6	89.7	90.6	92.0	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5
62.1	73.8	81.9	86.4	88.7	90.9	91.9	93.7	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2
62.3	79.4	82.6	87.3	89.9	92.2	93.4	95.1	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7
62.7	83.7	83.5	88.2	91.0	93.4	94.5	96.3	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9
62.8	80.3	83.8	88.8	91.9	94.2	95.5	97.3	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1
62.8	80.3	83.8	88.8	92.1	94.5	95.9	97.8	98.2	98.4	98.5	98.7	98.7	98.7	98.7	98.7
62.8	80.3	83.8	88.9	92.4	95.0	96.6	98.8	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8
62.8	80.3	83.8	88.9	92.4	95.0	96.7	99.0	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
62.8	80.3	83.8	88.9	92.4	95.0	96.7	99.0	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BOSCOMBE DOWN UK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1933-1953

25.3	25.2	26.4	28.5	29.8	30.6	31.1	31.8	32.3	32.7	32.8	32.8	32.8	32.8	32.9	33.3
26.4	33.7	35.7	38.3	40.0	41.0	41.7	42.4	42.9	43.4	43.5	43.5	43.5	43.5	43.6	43.9
26.4	33.7	35.7	38.3	40.0	41.0	41.7	42.4	42.9	43.4	43.5	43.5	43.5	43.5	43.6	43.9
26.4	33.7	35.7	38.3	40.0	41.0	41.7	42.4	42.9	43.4	43.5	43.5	43.5	43.5	43.6	43.9
26.8	34.4	36.3	39.0	40.8	41.8	42.4	43.2	43.6	44.2	44.3	44.3	44.3	44.3	44.4	44.7
27.9	35.8	37.7	40.5	42.2	43.2	43.9	44.7	45.1	45.7	45.8	45.8	45.8	45.8	45.9	46.2
29.3	37.6	39.9	42.9	44.6	45.6	46.3	47.1	47.5	48.1	48.2	48.2	48.2	48.2	48.3	48.6
30.9	39.5	42.0	45.3	47.0	48.0	48.7	49.5	49.9	50.5	50.6	50.6	50.6	50.6	50.7	51.0
31.2	39.9	42.4	45.7	47.4	48.4	49.2	49.9	50.4	50.9	51.0	51.0	51.0	51.0	51.1	51.5
31.5	40.3	42.9	46.1	47.9	48.9	49.6	50.4	50.8	51.4	51.5	51.5	51.5	51.5	51.6	51.9
32.1	41.7	44.4	47.9	49.6	50.6	51.4	52.1	52.6	53.1	53.2	53.2	53.2	53.2	53.3	53.7
33.2	45.4	49.1	52.9	54.7	55.8	56.6	57.9	58.3	58.9	59.0	59.0	59.0	59.0	59.1	59.4
34.2	47.7	51.4	55.6	57.5	58.6	59.3	60.6	61.1	61.6	61.7	61.7	61.8	61.8	62.1	62.5
35.2	49.1	53.1	57.6	59.4	60.5	61.3	62.6	63.0	63.6	63.7	63.7	63.8	63.8	64.0	64.4
35.9	49.9	54.2	58.8	60.9	62.1	62.8	64.1	64.6	65.1	65.2	65.2	65.3	65.3	65.5	66.0
38.6	53.5	57.9	62.5	64.7	65.9	66.6	67.9	68.4	68.9	69.0	69.0	69.1	69.1	69.4	69.8
41.0	56.9	61.6	66.3	68.7	70.1	71.0	72.3	72.7	73.3	73.4	73.4	73.5	73.5	73.7	74.2
42.1	59.7	64.9	70.0	72.5	74.2	75.4	76.8	77.2	77.8	77.9	77.9	78.0	78.0	78.2	78.6
42.3	61.0	66.2	71.5	74.0	75.8	77.0	78.4	78.8	79.4	79.5	79.5	79.6	79.6	79.8	80.3
42.6	61.5	67.0	72.7	75.2	77.0	78.2	79.9	80.4	80.9	81.0	81.0	81.1	81.1	81.4	81.8
43.8	63.4	69.1	74.9	77.6	79.5	80.8	82.9	83.3	83.9	84.0	84.0	84.1	84.1	84.3	84.7
44.1	64.4	70.6	76.6	79.4	81.2	82.9	85.3	85.8	86.4	86.5	86.5	86.6	86.6	86.8	87.2
44.1	64.7	70.8	77.0	79.8	81.7	83.3	85.7	86.3	86.8	86.9	86.9	87.0	87.0	87.2	87.7
44.1	65.1	71.3	78.1	81.0	82.9	84.5	87.0	87.6	88.2	88.3	88.3	88.4	88.4	88.7	89.1
44.2	65.5	71.9	79.0	82.0	84.0	85.6	88.1	88.7	89.3	89.4	89.4	89.5	89.5	89.7	90.2
44.3	66.2	72.6	80.3	83.9	85.8	87.5	90.0	90.5	91.2	91.3	91.3	91.4	91.4	91.6	92.1
44.5	66.6	73.3	81.2	85.1	87.1	88.8	91.6	92.1	92.9	93.0	93.0	93.1	93.1	93.3	93.8
44.5	67.4	74.4	82.3	86.3	88.4	90.3	93.2	93.9	94.8	94.9	94.9	95.0	95.0	95.2	95.6
44.5	67.5	74.7	82.9	87.0	89.3	91.2	94.4	95.2	96.1	96.2	96.2	96.3	96.3	96.5	96.9
44.5	67.5	74.7	83.0	87.5	89.9	92.0	95.3	96.2	97.2	97.5	97.5	97.6	97.6	97.8	98.3
44.5	67.5	74.7	83.0	87.7	90.3	92.6	96.2	97.3	98.4	98.8	98.8	98.9	98.9	99.2	99.9
44.5	67.5	74.7	83.0	87.7	90.3	92.6	96.2	97.3	98.4	98.8	98.8	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

11401 BOSCOMBE DOWN JK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

17.5	24.6	26.7	29.3	37.5	31.3	31.7	32.7	33.3	33.6	34.0	34.1	34.2	34.6	34.7	35.7
22.8	32.3	34.6	38.4	40.4	41.3	41.9	42.9	43.5	43.8	44.2	44.3	44.5	44.8	44.9	45.6
22.9	32.5	34.8	38.6	40.6	41.5	42.2	43.1	43.7	44.0	44.5	44.6	44.7	45.0	45.1	45.8
22.9	32.6	34.9	38.7	40.7	41.6	42.3	43.2	43.9	44.1	44.6	44.7	44.8	45.1	45.2	45.9
22.9	32.9	35.2	39.1	41.1	41.9	42.6	43.6	44.1	44.5	44.9	45.0	45.1	45.4	45.6	46.2
23.9	34.4	36.8	40.7	42.8	43.7	44.3	45.3	45.9	46.2	46.7	46.8	46.9	47.2	47.3	48.0
24.7	36.2	39.7	42.7	44.9	45.8	46.4	47.5	48.1	48.4	48.8	49.0	49.1	49.4	49.5	50.2
25.6	37.3	40.0	44.0	46.2	47.1	47.9	49.0	49.5	49.8	50.3	50.4	50.5	50.8	50.9	51.6
25.7	37.7	40.3	44.3	46.5	47.4	48.2	49.3	49.8	50.2	50.6	50.7	50.8	51.2	51.3	51.9
25.7	38.1	41.6	44.8	47.0	47.9	48.6	49.7	50.3	50.6	51.0	51.2	51.3	51.6	51.7	52.4
26.6	40.0	43.1	47.3	49.5	50.4	51.4	52.5	53.0	53.3	53.8	53.9	54.0	54.3	54.4	55.1
27.6	41.7	45.1	50.6	53.8	54.8	55.9	57.1	57.6	58.1	58.5	58.6	58.7	59.1	59.2	59.9
28.2	43.1	46.8	52.4	55.9	56.9	58.1	59.4	59.9	60.4	60.8	60.9	61.0	61.4	61.5	62.2
28.8	44.3	48.1	54.3	58.2	59.2	60.4	61.7	62.2	62.7	63.1	63.2	63.3	63.7	63.8	64.5
29.2	45.2	49.3	55.5	59.4	60.4	61.6	63.1	63.7	64.1	64.5	64.7	64.8	65.1	65.2	66.0
30.2	47.2	51.3	57.8	61.9	63.1	64.4	66.0	66.5	67.0	67.4	67.5	67.7	68.1	68.2	68.9
31.3	50.3	54.8	61.4	65.5	67.1	68.5	70.0	70.6	71.0	71.5	71.6	71.8	72.1	72.2	73.1
33.5	53.8	58.3	65.1	69.3	70.9	72.8	74.5	75.2	75.7	76.2	76.3	76.5	76.8	76.9	77.8
34.0	54.9	59.4	66.5	70.8	72.4	74.3	76.3	76.9	77.5	77.9	78.0	78.3	78.6	78.7	79.6
34.6	56.3	61.0	68.2	72.6	74.2	76.2	78.6	79.3	79.8	80.2	80.4	80.6	80.9	81.0	82.0
35.2	58.1	63.1	70.5	75.0	76.8	78.8	81.7	82.4	83.0	83.4	83.5	83.8	84.1	84.2	85.2
35.3	58.9	64.1	71.6	76.2	78.2	80.2	83.4	84.2	84.7	85.2	85.3	85.5	85.8	85.9	86.9
35.3	59.3	64.3	72.1	76.7	78.7	80.8	84.0	84.7	85.3	85.7	85.8	86.1	86.4	86.5	87.5
35.7	59.9	65.1	72.9	77.5	79.6	81.7	84.9	85.6	86.2	86.6	86.7	86.9	87.3	87.4	88.4
36.2	60.7	65.9	73.9	78.5	80.8	82.9	86.1	86.8	87.4	87.8	87.9	88.1	88.5	88.6	89.6
36.2	61.1	66.3	74.8	79.5	82.0	84.1	87.5	88.5	89.0	89.5	89.6	89.9	90.2	90.3	91.3
36.3	61.9	67.1	75.6	80.5	83.1	85.2	88.6	89.6	90.2	90.7	90.8	91.1	91.4	91.5	92.5
36.3	62.5	67.7	76.4	81.6	84.2	86.4	89.8	90.8	91.4	91.9	92.0	92.3	92.6	92.8	93.7
36.3	62.6	68.1	76.7	81.9	84.7	87.4	90.9	92.0	92.6	93.1	93.2	93.5	93.9	94.0	95.0
36.3	62.7	68.2	76.9	82.4	85.4	88.3	92.0	93.1	94.0	94.4	94.5	95.1	95.4	95.5	96.5
36.3	62.7	68.2	77.1	82.5	85.6	88.5	92.4	93.5	94.5	95.2	95.3	95.9	96.3	96.4	98.0
36.3	62.7	68.2	77.1	82.5	85.6	88.5	92.4	93.5	94.5	95.3	95.5	96.3	97.4	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
 GRAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73407 BOSCOMBE DOWN UP

73-62

251

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

25.3	27.2	21.5	22.8	23.8	24.5	24.9	25.6	26.0	26.2	26.4	26.5	26.7	27.0	27.2	28.2
21.7	28.6	31.7	32.5	33.9	34.8	35.4	36.3	36.6	36.9	37.1	37.2	37.5	37.9	38.1	39.1
21.5	28.9	31.8	32.7	34.0	34.9	35.6	36.4	36.8	37.1	37.3	37.4	37.7	38.1	38.3	39.3
21.9	29.7	30.0	32.8	34.1	35.0	35.7	36.5	36.9	37.2	37.4	37.5	37.8	38.2	38.4	39.4
22.5	29.8	31.8	33.8	35.1	36.1	36.7	37.5	37.9	38.2	38.4	38.5	38.8	39.2	39.4	40.4
23.5	31.3	33.4	35.4	36.8	37.7	38.4	39.3	39.6	39.9	40.1	40.3	40.6	41.0	41.2	42.2
25.3	33.5	35.8	37.8	39.3	40.2	41.0	41.9	42.2	42.6	42.8	42.9	43.2	43.6	43.8	44.8
26.2	34.8	37.1	39.2	40.7	41.7	42.5	43.4	43.8	44.1	44.3	44.5	44.8	45.2	45.4	46.4
26.5	35.2	37.5	39.7	41.2	42.2	43.0	43.9	44.3	44.6	44.8	45.0	45.3	45.7	45.9	46.9
26.6	35.6	37.9	40.1	41.7	42.7	43.5	44.5	44.9	45.2	45.4	45.6	45.9	46.3	46.5	47.5
27.5	37.0	39.4	41.8	43.4	44.5	45.3	46.3	46.7	47.0	47.3	47.4	47.7	48.1	48.3	49.4
29.3	40.1	42.9	45.8	47.8	49.0	50.0	51.3	51.8	52.2	52.4	52.6	52.9	53.3	53.5	54.6
30.5	42.0	44.9	48.1	50.2	51.4	52.5	53.8	54.3	54.7	55.0	55.1	55.5	55.9	56.1	57.3
32.0	43.8	46.8	50.1	52.5	53.7	54.9	56.2	56.7	57.1	57.4	57.5	57.9	58.3	58.6	59.7
32.8	44.9	47.9	51.4	53.8	55.0	56.1	57.5	58.1	58.4	58.7	53.8	59.2	59.7	59.9	61.0
34.9	47.8	51.0	54.6	57.2	58.4	59.6	61.0	61.5	61.9	62.2	62.4	62.7	63.2	63.4	64.5
37.1	50.9	54.3	58.1	60.8	62.1	63.3	64.6	65.4	65.8	66.1	66.2	66.6	67.1	67.3	68.4
39.2	54.1	57.8	61.6	64.7	66.1	67.5	69.2	69.7	70.2	70.5	70.7	71.0	71.5	71.8	72.9
39.4	55.2	59.0	63.2	66.1	67.7	69.0	70.8	71.3	71.8	72.1	72.3	72.7	73.2	73.4	74.5
41.0	57.0	60.9	65.6	68.5	70.1	71.5	73.5	74.0	74.6	74.8	75.0	75.4	75.9	76.1	77.3
42.7	59.8	64.0	68.8	72.1	73.8	75.3	77.5	78.1	78.7	79.0	79.1	79.5	80.0	80.3	81.5
43.3	60.9	65.3	70.3	73.9	75.8	77.3	79.6	80.3	80.9	81.2	81.3	81.7	82.3	82.5	83.7
43.5	61.6	66.7	71.2	74.8	76.8	78.3	80.8	81.5	82.0	82.3	82.5	82.9	83.4	83.7	84.9
44.1	62.6	67.2	72.7	76.5	78.6	80.1	82.7	83.3	83.9	84.2	84.4	84.8	85.3	85.6	86.8
44.3	63.3	68.1	73.8	77.9	80.0	81.7	84.3	85.0	85.6	85.9	86.0	86.4	87.0	87.2	88.4
44.5	64.0	69.9	75.0	79.3	81.6	83.3	86.0	86.8	87.4	87.7	87.9	88.3	88.9	89.1	90.3
44.6	64.4	69.5	75.8	80.2	82.6	84.3	87.2	88.0	88.6	88.9	89.1	89.5	90.1	90.3	91.5
44.6	64.9	70.1	76.5	81.2	83.7	85.6	88.6	89.5	90.2	90.5	90.6	91.1	91.6	91.9	93.1
44.7	65.0	70.4	77.0	81.8	84.5	86.5	89.8	90.7	91.4	91.8	91.9	92.4	92.9	93.2	94.4
44.7	65.1	70.5	77.2	82.4	85.2	87.5	91.0	92.0	92.9	93.3	93.4	93.9	94.5	94.7	95.9
44.7	65.1	70.5	77.3	82.5	85.5	87.8	91.5	92.6	93.6	94.1	94.3	94.9	95.6	95.9	97.6
44.7	65.1	70.5	77.3	82.5	85.5	87.8	91.5	92.6	93.7	94.2	94.5	95.2	96.3	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7282

1
2

GLOBAL CLIMATOLOGY BRANCH
UNAFSTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17947 ROSCOMBE DOWN UK

73-67

NOV

PER CENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-1000

17.8	27.9	29.3	35.2	32.2	33.3	34.5	35.7	35.9	35.8	35.8	35.6	36.0	36.2	36.5	37.0
23.0	32.2	34.1	35.4	38.7	39.2	47.5	42.0	42.7	42.2	42.2	42.6	42.9	43.1	43.7	
23.1	32.3	34.7	35.6	38.1	39.3	47.6	42.1	42.3	42.3	42.3	42.3	42.7	43.0	43.2	43.8
23.1	32.3	34.2	35.6	38.1	39.3	40.6	42.1	42.3	42.3	42.3	42.3	42.7	43.0	43.2	43.8
23.1	32.3	34.3	35.7	38.3	39.4	40.7	42.2	42.4	42.4	42.4	42.4	42.8	43.1	43.3	43.9
23.5	32.8	35.0	36.3	39.1	40.2	41.5	43.0	43.7	43.2	43.2	43.2	43.6	43.9	44.1	44.7
23.9	33.9	36.7	37.4	47.2	41.4	43.0	44.7	44.9	44.9	44.9	44.9	45.3	45.6	45.9	46.4
24.5	34.4	36.5	38.3	41.1	42.3	43.9	45.6	45.8	45.8	45.8	45.8	46.2	46.5	46.7	47.3
24.5	34.5	36.9	38.4	41.2	42.4	44.0	45.7	45.9	45.9	45.9	45.9	46.3	46.6	46.8	47.4
24.9	35.0	37.4	38.8	41.6	42.9	44.5	46.2	46.4	46.4	46.4	46.4	46.7	47.1	47.3	47.9
25.7	36.2	38.7	47.2	43.0	44.2	45.8	47.5	47.7	47.7	47.7	47.7	48.1	48.4	48.6	49.2
28.1	39.3	42.1	44.0	47.1	48.4	50.1	51.8	52.0	52.0	52.0	52.0	52.4	52.7	52.9	53.5
29.7	40.5	43.3	45.5	48.5	50.0	51.9	53.7	54.1	54.1	54.1	54.1	54.4	54.7	55.0	55.5
30.4	42.4	45.4	47.6	50.7	52.1	54.1	55.9	56.2	56.2	56.2	56.2	56.5	56.9	57.1	57.7
31.4	43.7	46.7	49.3	52.4	53.8	55.8	57.6	58.0	58.0	58.0	58.0	58.4	58.7	58.9	59.5
33.7	46.6	50.7	53.4	56.5	58.0	59.9	61.9	62.3	62.4	62.4	62.4	62.8	63.1	63.3	63.9
36.5	50.3	53.5	57.2	60.5	62.1	64.0	65.9	66.4	66.5	66.5	66.5	66.8	67.2	67.4	67.9
38.8	54.3	57.6	61.3	64.7	66.5	68.5	70.4	71.0	71.1	71.1	71.1	71.4	71.8	72.0	72.6
39.7	55.6	58.9	62.8	66.4	68.4	70.4	72.3	72.9	73.0	73.0	73.0	73.4	73.7	73.9	74.5
40.3	57.0	61.5	64.6	68.4	70.4	72.5	74.4	74.9	75.1	75.1	75.1	75.4	75.7	76.0	76.5
41.5	59.3	62.9	67.4	71.6	73.6	75.6	77.5	78.7	78.3	78.3	78.3	78.7	79.0	79.2	79.8
42.9	61.2	64.9	69.4	73.7	75.8	77.9	79.9	80.6	80.7	80.7	80.7	81.0	81.4	81.6	82.2
43.2	61.6	65.3	69.9	74.3	76.4	78.4	80.5	81.2	81.3	81.3	81.3	81.6	81.9	82.2	82.7
43.6	62.3	66.0	70.5	75.1	77.3	79.3	81.4	82.1	82.2	82.2	82.2	82.5	82.8	83.1	83.6
43.9	63.5	67.6	72.7	77.3	79.6	81.6	83.7	84.5	84.7	84.7	84.7	85.0	85.3	85.6	86.2
44.0	63.9	68.2	73.5	78.3	80.6	82.6	85.0	85.8	85.9	85.9	85.9	86.2	86.6	86.8	87.5
44.1	64.6	69.0	74.6	79.6	81.8	84.0	86.8	87.6	87.7	87.7	87.7	88.0	88.4	88.6	89.3
44.2	65.2	70.0	76.0	81.2	83.5	85.7	88.6	89.4	89.5	89.5	89.5	89.8	90.2	90.4	91.1
44.2	65.3	70.1	76.3	81.8	84.3	86.5	89.7	90.5	90.6	90.6	90.6	91.0	91.3	91.5	92.2
44.2	65.6	70.4	76.7	82.7	85.2	87.6	91.2	92.0	92.2	92.2	92.2	92.6	93.0	93.2	93.9
44.2	65.6	70.4	76.9	82.8	85.3	87.8	92.1	93.1	93.6	93.7	93.7	94.1	94.7	94.9	96.2
44.2	65.6	70.4	76.9	82.8	85.3	87.8	92.1	93.1	94.0	94.4	94.4	95.1	96.0	96.3	97.0

TOTAL NUMBER OF OBSERVATIONS 886

U.S. NAVAL CLIMATOLOGY BRANCH
 COMSTAC
 AIR WEATHER SERVICE/NAAC

CFILING VERSUS VISIBILITY

1947 LOSCOMBE DOWN UK

73-87

NOV

PERCENTAGE FREQUENCY OF DIFFERENCE
 FROM HOURLY OBSERVATIONS

1700-1750

17.7	25.1	25.7	26.3	29.3	29.9	30.4	31.9	32.2	32.4	32.4	32.8	33.5	33.9	34.5
20.3	29.6	31.5	34.3	35.3	35.8	36.5	38.0	38.3	38.5	38.7	38.7	39.4	40.1	40.4
23.3	29.6	31.5	34.3	35.3	35.8	36.5	38.0	38.3	38.5	38.7	38.7	39.4	40.1	40.4
23.4	29.6	31.7	34.5	35.5	36.1	36.7	38.2	38.5	38.8	38.9	38.9	39.7	40.3	40.7
23.5	29.9	31.8	34.7	35.7	36.4	37.2	38.7	39.0	39.2	39.3	39.3	40.1	40.8	41.1
24.0	30.7	32.5	35.0	36.7	37.5	38.3	39.8	40.1	40.3	40.4	40.4	41.2	41.7	42.2
24.2	30.7	32.5	35.7	37.1	37.9	38.7	40.3	40.7	40.9	41.0	41.0	41.8	42.5	42.8
24.4	30.9	32.8	36.1	37.4	38.2	39.0	40.7	41.1	41.2	41.3	41.3	42.1	42.5	43.1
25.1	31.6	33.5	36.7	38.1	38.9	39.7	41.3	41.8	42.0	42.1	42.1	42.9	43.6	43.9
26.1	32.6	34.5	37.8	39.3	40.1	40.9	42.6	43.0	43.3	43.4	43.4	44.2	44.8	45.2
27.5	35.2	37.5	40.9	42.7	43.5	44.4	46.3	46.7	47.0	47.1	47.2	48.0	48.7	49.0
28.3	36.1	38.5	41.9	43.8	44.8	45.7	47.8	48.2	48.5	48.7	48.8	49.7	50.4	50.8
28.4	36.1	41.3	44.7	46.7	47.8	48.8	50.9	51.3	51.7	51.8	51.7	52.8	53.6	53.9
31.5	40.0	42.8	46.2	48.3	49.3	50.3	52.6	53.0	53.4	53.5	53.6	54.5	55.3	55.5
34.4	43.8	47.1	50.6	52.8	53.8	54.9	57.3	57.8	58.1	58.2	58.3	59.2	60.0	60.3
37.0	47.3	50.0	54.6	56.9	57.9	59.1	61.6	62.0	62.5	62.6	62.7	63.6	64.4	64.7
39.5	51.0	55.5	59.4	61.7	62.7	63.9	66.4	66.9	67.3	67.4	67.5	68.4	69.2	69.5
40.7	52.6	56.5	60.3	62.6	63.7	64.9	67.5	68.0	68.4	68.5	68.7	69.6	70.3	70.7
40.9	53.9	58.0	62.1	64.4	65.7	67.2	69.8	70.2	70.8	70.9	71.0	71.9	72.7	73.0
42.6	57.1	61.3	65.7	68.0	69.4	70.9	73.5	73.9	74.5	74.6	74.7	75.6	76.4	76.7
43.4	58.2	62.8	67.3	69.7	71.1	72.6	75.3	75.7	76.3	76.4	76.5	77.4	78.2	78.7
43.5	58.7	63.5	68.0	70.4	72.1	73.7	76.4	76.9	77.4	77.5	77.6	78.5	79.3	79.8
43.7	59.8	64.7	69.2	71.7	73.5	75.1	77.8	78.2	78.8	78.9	79.0	79.9	80.7	81.1
44.3	60.7	66.1	70.8	73.4	75.2	76.9	79.7	80.1	80.7	80.8	80.9	81.8	82.6	83.0
44.5	61.6	67.1	72.0	74.9	76.9	78.7	81.6	82.0	82.6	82.7	82.8	83.7	84.5	84.9
44.7	62.0	68.0	73.6	76.7	78.8	80.7	83.7	84.2	84.7	84.8	84.9	85.8	86.6	87.1
44.8	62.4	68.3	74.2	77.5	79.8	81.9	85.1	85.5	86.1	86.2	86.3	87.2	88.0	88.4
44.8	62.4	68.4	75.1	79.0	81.5	83.8	87.1	87.5	88.1	88.2	88.3	89.2	90.0	90.4
44.8	62.4	68.7	75.6	79.8	82.2	84.7	88.1	88.5	89.1	89.2	89.3	90.4	91.2	91.8
44.8	62.5	68.8	76.0	80.6	83.1	85.6	89.1	89.6	90.2	90.4	90.6	91.8	92.6	93.4
44.8	62.5	68.9	76.0	80.6	83.1	85.6	89.1	89.9	90.9	91.1	91.3	92.9	94.7	95.5

TOTAL NUMBER OF OBSERVATIONS 893

JOINT CLIMATE LOGISTICS BRANCH
JCLAF/CLAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10477 WISCOMBE DOWN UP

73-67

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-2600

15.3	19.3	27.7	21.6	21.9	22.4	22.8	24.3	24.7	24.2	24.2	24.2	24.6	25.7	26.3	26.6
19.6	23.8	25.4	27.6	28.5	29.2	29.5	31.3	31.9	31.8	31.8	31.6	32.4	34.0	34.7	35.3
19.3	24.3	25.6	27.8	28.7	29.4	29.8	31.6	32.7	32.0	32.0	32.0	32.6	34.3	34.9	35.5
19.8	24.0	25.6	27.8	28.7	29.4	29.8	31.6	32.0	32.0	32.0	32.0	32.6	34.3	34.9	35.5
27.2	24.4	25.9	28.2	29.1	29.8	30.1	31.9	32.4	32.4	32.4	32.4	32.9	34.6	35.3	35.9
28.6	29.0	28.7	29.1	30.1	30.8	31.2	33.0	33.3	33.5	33.5	33.5	34.0	35.7	36.4	37.0
27.3	28.8	29.7	31.3	32.5	33.3	33.7	35.5	36.7	36.1	36.1	36.1	36.6	38.3	39.0	39.6
22.9	27.4	29.5	32.0	33.3	34.2	34.7	36.5	37.0	37.1	37.1	37.1	37.7	39.3	40.0	40.6
23.1	27.7	29.9	32.4	33.6	34.5	35.1	37.0	37.4	37.5	37.5	37.5	38.1	39.8	40.5	41.0
20.3	26.0	30.1	32.6	33.9	34.8	35.4	37.3	37.8	37.9	37.9	37.9	38.4	40.1	40.8	41.4
24.5	29.1	31.2	33.9	35.5	36.5	37.1	39.0	39.5	39.6	39.6	39.6	40.1	41.8	42.5	43.1
26.2	31.9	34.6	37.7	39.2	40.4	41.0	43.2	43.6	43.7	43.7	43.7	44.3	46.0	46.7	47.4
27.5	34.7	36.7	40.0	41.7	42.8	43.5	45.8	46.3	46.4	46.4	46.4	47.0	48.7	49.4	50.1
28.5	36.1	39.1	42.4	44.2	45.3	46.0	48.3	48.8	48.9	48.9	48.9	49.6	51.3	52.0	52.6
27.7	37.2	40.2	43.5	45.3	46.4	47.1	49.7	50.3	50.4	50.4	50.4	51.1	52.8	53.4	54.1
31.9	40.2	43.7	47.4	49.2	50.3	51.0	53.7	54.2	54.3	54.3	54.3	55.0	56.7	57.4	58.1
35.2	44.3	48.7	51.7	53.7	55.1	55.8	58.5	59.1	59.2	59.2	59.2	59.9	61.6	62.2	62.9
37.9	46.3	52.3	56.1	58.2	59.8	60.5	63.4	63.9	64.0	64.0	64.0	64.7	66.4	67.1	67.8
38.4	49.2	53.3	57.4	59.4	61.0	61.9	64.7	65.3	65.4	65.4	65.4	66.1	67.8	68.4	69.1
39.7	50.7	55.1	59.6	62.0	63.7	64.8	67.8	68.3	68.4	68.4	68.4	69.1	70.8	71.5	72.2
41.7	54.0	58.7	63.6	66.0	67.6	68.9	71.8	72.4	72.6	72.6	72.6	73.3	75.0	75.6	76.3
42.3	55.6	60.5	65.7	68.1	69.8	71.7	74.1	74.6	74.9	74.9	74.9	75.5	77.2	77.9	78.6
42.7	56.0	61.0	66.2	68.5	70.2	71.5	74.9	75.4	75.6	75.6	75.6	76.3	78.0	78.7	79.4
42.8	56.9	62.0	67.3	70.1	71.8	73.2	76.6	77.1	77.3	77.3	77.3	78.0	79.7	80.4	81.1
43.2	58.1	63.1	68.8	71.7	73.5	75.0	78.4	78.9	79.1	79.1	79.1	79.8	81.5	82.2	82.9
43.3	58.7	63.8	69.6	72.5	74.4	75.9	79.3	79.8	80.0	80.2	80.2	80.8	82.5	83.2	83.9
43.5	59.5	64.8	70.7	73.8	75.9	77.3	80.8	81.4	81.6	81.7	81.7	82.4	84.1	84.8	85.5
43.5	60.0	65.8	72.3	75.8	77.9	79.7	83.4	84.0	84.3	84.4	84.4	85.1	86.8	87.5	88.2
43.5	60.4	66.4	73.5	77.6	79.7	81.7	85.7	86.2	86.6	86.7	86.7	87.4	89.1	89.7	90.4
43.5	61.4	66.4	73.5	77.8	80.3	82.3	86.4	87.3	87.8	87.9	87.9	88.6	90.3	91.0	91.7
43.5	60.4	66.4	73.5	77.9	80.7	83.0	87.1	88.5	89.4	89.5	89.5	90.4	92.2	92.9	93.9
43.5	60.4	66.4	73.5	77.9	80.8	83.1	87.3	88.6	90.1	90.3	90.3	91.8	94.7	95.5	96.0

TOTAL NUMBER OF OBSERVATIONS

687

CLERICAL CLIMATOLOGY BRANCH
 USAFSTAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-47 DOB COMBE DOWN UK

73-47

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

891-1170

15.8	19.8	27.4	21.4	22.5	23.1	23.7	24.1	24.2	24.5	24.5	24.5	24.6	25.0	25.5	25.6
22.9	29.6	30.4	31.8	33.1	34.5	35.5	36.1	36.4	36.6	36.6	36.6	36.9	37.5	37.9	38.1
22.9	29.6	30.4	31.8	33.1	34.5	35.5	36.1	36.4	36.6	36.6	36.6	36.9	37.5	37.9	38.1
22.9	29.6	30.4	31.8	33.1	34.5	35.5	36.1	36.4	36.6	36.6	36.6	36.9	37.5	37.9	38.1
23.2	30.3	31.2	32.7	34.0	35.4	36.4	37.0	37.3	37.5	37.5	37.5	37.8	38.4	38.8	38.9
24.5	31.6	32.5	34.5	35.8	37.1	38.2	38.9	39.3	39.5	39.5	39.5	39.8	40.4	40.9	41.0
26.7	33.6	34.5	36.4	37.7	39.1	40.1	41.0	41.3	41.5	41.5	41.5	41.9	42.4	42.9	43.0
26.5	34.1	35.1	37.0	38.4	39.7	40.7	41.8	42.1	42.3	42.3	42.3	42.6	43.2	43.7	43.8
26.8	34.8	35.8	37.7	39.1	40.4	41.5	42.5	42.9	43.1	43.1	43.1	43.4	44.0	44.4	44.5
27.0	35.1	36.3	38.2	39.5	40.9	42.0	43.1	43.4	43.8	43.9	43.8	44.1	44.7	45.1	45.2
28.2	36.8	38.5	40.0	41.3	42.6	43.9	45.0	45.3	45.7	45.7	45.7	46.0	46.6	47.0	47.1
29.6	39.4	41.9	42.9	44.2	45.6	46.8	47.9	48.3	48.6	48.6	48.6	48.9	49.6	50.1	50.2
30.9	41.3	42.9	45.1	46.6	48.0	49.3	50.4	50.7	51.1	51.1	51.1	51.4	52.2	52.6	52.7
32.2	43.7	45.3	47.7	49.3	50.8	52.1	53.2	53.5	53.9	53.9	53.9	54.2	55.0	55.4	55.6
33.7	45.2	46.9	49.3	50.8	52.4	53.6	54.8	55.1	55.4	55.4	55.4	55.8	56.6	57.0	57.1
36.3	48.3	49.9	52.5	54.1	55.9	57.1	58.2	58.6	58.9	58.9	58.9	59.3	60.0	60.5	60.6
38.5	51.5	53.3	56.0	57.9	59.8	61.1	62.2	62.5	62.9	62.9	62.9	63.2	64.0	64.4	64.5
41.0	54.7	56.6	59.4	61.7	63.6	65.0	66.1	66.6	66.9	66.9	66.9	67.2	68.0	68.5	68.6
42.1	56.0	57.9	60.9	63.4	65.3	66.7	67.8	68.2	68.6	68.6	68.6	68.9	69.7	70.1	70.3
43.7	58.2	60.5	63.5	66.4	68.4	69.8	70.9	71.4	71.7	71.7	71.7	72.1	72.8	73.3	73.4
46.1	61.7	64.5	67.7	71.0	73.0	74.4	75.5	76.0	76.3	76.3	76.3	76.7	77.4	77.9	78.0
46.8	62.7	65.5	68.7	72.1	74.0	75.4	76.5	77.0	77.3	77.3	77.3	77.7	78.5	78.9	79.0
47.3	63.6	66.4	69.7	73.1	75.1	76.5	77.9	78.5	78.8	78.8	78.8	79.1	79.9	80.4	80.5
47.8	65.0	67.9	71.5	75.0	77.1	78.6	80.0	80.6	80.9	80.9	80.9	81.3	82.0	82.5	82.6
48.5	66.3	69.8	73.5	77.1	79.2	80.7	82.4	82.9	83.3	83.3	83.3	83.6	84.4	84.8	85.0
48.8	67.8	71.4	75.5	79.3	81.6	83.1	84.7	85.4	85.7	85.7	85.7	86.1	86.9	87.3	87.5
48.8	68.2	71.9	76.2	80.1	82.4	84.0	85.9	86.5	86.9	86.9	86.9	87.2	88.0	88.4	88.7
48.9	68.5	72.3	76.7	81.1	83.6	85.2	87.1	87.8	88.2	88.2	88.2	88.7	89.5	89.9	90.1
48.9	68.6	72.5	77.1	81.7	84.3	86.0	88.0	88.7	89.1	89.1	89.1	89.6	90.3	90.8	91.0
48.9	68.6	72.5	77.3	82.3	85.2	87.0	89.3	90.3	91.0	91.1	91.1	91.7	92.6	93.0	93.3
48.9	68.6	72.5	77.4	82.6	85.5	87.5	90.3	91.4	92.6	92.9	92.9	93.5	94.6	95.2	95.8
48.9	68.6	72.5	77.4	82.6	85.5	87.5	90.5	91.5	92.8	93.2	93.3	94.4	96.0	96.6	97.0

TOTAL NUMBER OF OBSERVATIONS 891

2
GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

19400 BOSCOMBE DOWN UK

73-62

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

16.9	22.2	22.5	22.8	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.3	23.3	23.5
28.1	33.8	34.1	34.8	35.7	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.4	36.4	36.5
28.4	34.1	34.4	35.1	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.7	36.7	36.9
28.4	34.2	34.5	35.2	36.1	36.4	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.8	36.9	37.0
29.7	34.8	35.1	35.8	36.7	36.9	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.4	37.4	37.6
30.1	35.9	36.4	37.1	38.0	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.6	38.6	38.9
32.5	38.6	39.2	39.9	40.8	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.6	41.6	41.9
32.8	39.3	40.3	40.8	41.7	42.2	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.7	42.7	43.1
33.3	39.9	40.5	41.4	42.3	43.1	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.6	43.6	44.0
33.5	40.2	41.2	41.7	42.6	43.4	43.5	43.8	43.8	43.8	43.9	43.9	43.9	43.9	44.1	44.1	44.4
35.7	41.9	42.6	43.4	44.3	45.1	45.2	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.8	45.8	46.1
37.5	45.7	46.6	47.4	48.3	49.2	49.3	49.8	49.8	49.8	49.9	49.9	49.9	49.9	50.2	50.2	50.6
39.7	48.3	49.2	50.1	51.0	51.9	52.0	52.5	52.5	52.5	52.6	52.6	52.6	52.6	53.0	53.0	53.3
42.1	51.4	52.4	53.5	54.4	55.3	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.5	56.5	56.8
42.5	51.8	52.4	54.1	55.0	55.9	56.1	56.6	56.6	56.7	56.7	56.7	56.7	56.7	57.0	57.0	57.4
45.9	55.2	56.4	57.7	58.6	59.5	59.8	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.7	60.7	61.0
48.8	58.6	59.8	61.3	62.2	63.1	63.3	63.9	63.9	64.3	64.3	64.3	64.3	64.3	64.7	64.7	65.0
53.5	64.7	65.8	67.4	68.5	69.5	69.8	70.6	70.6	70.7	70.7	70.7	70.7	70.7	71.0	71.0	71.4
54.2	66.0	67.2	68.8	69.9	70.9	71.1	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.4	72.4	72.7
55.7	68.3	69.4	71.0	72.3	73.3	73.5	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.8	74.8	75.1
58.5	73.2	74.9	76.8	78.2	79.2	79.4	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.7	80.8	81.1
59.4	75.1	76.9	79.2	81.0	82.0	82.3	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.5	83.6	84.0
60.1	76.1	78.1	80.6	82.5	83.5	83.8	84.7	84.7	84.8	84.8	84.8	84.8	84.8	85.1	85.2	85.6
60.6	77.3	79.2	82.0	84.2	85.2	85.5	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.8	86.9	87.3
61.1	78.5	80.8	83.8	86.6	87.6	87.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.4	89.5	89.9
61.5	79.3	81.7	84.7	87.8	89.0	89.3	90.7	90.7	90.8	90.8	90.8	90.8	90.8	91.1	91.3	91.6
61.6	80.0	82.4	85.3	88.6	90.0	90.3	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.6	92.7	93.1
61.6	80.5	83.0	85.9	89.7	91.1	91.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	94.0	94.1	94.4
61.6	80.5	83.0	86.0	89.8	91.3	91.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.5	94.7	95.0
61.6	80.5	83.0	86.1	90.2	91.8	92.8	95.2	95.7	96.3	96.3	96.3	96.3	96.3	96.6	96.7	97.2
61.6	80.5	83.0	86.1	90.3	91.9	93.0	95.3	95.8	96.9	96.9	97.0	97.0	97.0	97.6	97.7	98.3
61.6	80.5	83.0	86.1	90.3	91.9	93.0	95.3	95.8	96.9	96.9	97.0	97.0	97.0	97.6	97.7	98.3

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14000 00000000 DOWN UK

73-83

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 BASED ON ALL OBSERVATIONS

1500-1700

18.5	21.6	22.5	22.9	23.4	23.6	23.7	23.8	23.9	24.0	24.2	24.2	24.2	24.2	24.2	24.4
27.8	32.7	33.7	34.5	34.9	35.2	35.3	35.5	35.8	36.0	36.2	36.2	36.2	36.2	36.2	36.4
27.7	32.8	33.8	34.6	35.1	35.3	35.4	35.6	36.0	36.1	36.3	36.3	36.3	36.3	36.3	36.5
28.1	33.0	34.0	34.8	35.3	35.5	35.6	35.8	36.2	36.3	36.5	36.5	36.5	36.5	36.5	36.7
28.4	33.8	34.9	35.7	36.3	36.5	36.6	36.9	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.8
29.2	34.3	35.5	36.5	37.1	37.3	37.4	37.6	38.0	38.1	38.3	38.3	38.3	38.3	38.3	38.5
31.5	36.9	38.1	39.2	39.9	40.2	40.3	40.6	40.9	41.0	41.2	41.2	41.2	41.2	41.2	41.5
32.1	38.0	39.3	40.7	41.3	41.7	41.8	42.0	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.9
32.6	38.4	39.8	41.1	41.8	42.2	42.4	42.6	42.9	43.0	43.3	43.3	43.3	43.3	43.3	43.5
32.7	38.5	39.9	41.2	41.9	42.4	42.5	42.7	43.0	43.1	43.4	43.4	43.4	43.4	43.4	43.6
33.1	39.2	40.5	42.1	42.9	43.4	43.5	43.7	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.6
35.2	42.2	43.7	45.5	46.4	47.0	47.1	47.3	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.2
37.8	45.6	47.1	49.1	50.2	50.8	50.9	51.2	51.6	51.7	51.9	51.9	51.9	51.9	51.9	52.1
40.0	48.2	49.7	51.6	53.1	53.7	53.8	54.2	54.5	54.6	54.8	54.8	54.8	54.8	54.8	55.1
41.2	49.9	51.5	53.7	55.1	55.6	55.7	56.1	56.4	56.5	56.7	56.7	56.7	56.7	56.7	57.0
44.8	54.0	55.8	58.3	59.7	60.2	60.3	60.7	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.6
47.3	57.8	59.6	62.1	63.6	64.2	64.4	64.9	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.8
50.7	62.7	64.5	67.6	69.3	70.1	70.3	71.2	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.2
52.4	64.6	66.6	69.9	71.7	72.5	72.7	73.6	74.2	74.4	74.6	74.6	74.6	74.6	74.6	74.8
54.6	68.0	70.1	73.5	75.5	76.4	76.6	77.5	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.8
56.3	71.5	73.7	77.5	79.6	80.7	80.9	81.9	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.3
57.1	73.3	75.8	80.2	82.6	83.8	84.0	85.2	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.5
57.2	73.7	76.5	81.0	83.5	84.8	85.1	86.2	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.5
57.3	74.7	77.6	82.6	85.2	86.5	86.7	88.4	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.8
57.5	75.4	78.7	83.7	86.5	88.1	88.4	90.2	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.6
58.0	76.0	79.6	85.1	88.0	90.0	90.3	92.1	92.9	93.1	93.4	93.4	93.4	93.4	93.4	93.6
58.0	76.2	80.0	85.5	88.8	90.9	91.2	93.3	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.7
58.0	76.6	80.4	86.0	89.4	91.9	92.2	94.3	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.8
58.0	76.6	80.4	86.2	89.9	92.4	92.7	95.1	96.0	96.2	96.4	96.4	96.4	96.4	96.5	96.7
58.0	76.6	80.6	86.3	90.0	92.6	93.0	95.7	96.6	96.9	97.1	97.1	97.1	97.1	97.2	97.4
58.0	76.6	81.6	86.3	90.1	92.7	93.1	96.0	97.0	97.3	97.5	97.5	97.5	97.5	98.0	98.3
58.0	76.6	80.6	86.3	90.1	92.7	93.1	96.0	97.0	97.4	97.6	97.6	97.8	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 890

NOTE: THE FOLLOWING ARE RESULTS

1
2

GLOBAL CLIMATOLOGY BRANCH
CRAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BOSCOMBE DOWN UK

73-32

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

17.8	24.5	25.2	26.7	27.0	27.7	27.8	28.0	28.5	28.7	28.8	28.8	28.9	28.9	28.9	29.1
25.8	35.8	37.1	38.8	39.6	40.3	40.4	40.7	41.3	41.5	41.6	41.6	41.7	41.7	41.7	42.0
25.8	35.8	37.1	38.8	39.6	40.3	40.4	40.7	41.3	41.5	41.6	41.6	41.7	41.7	41.7	42.0
25.8	35.8	37.0	38.8	39.6	40.3	40.4	40.7	41.3	41.5	41.6	41.6	41.7	41.7	41.7	42.0
26.5	36.7	38.7	39.9	40.7	41.4	41.5	41.8	42.4	42.6	42.7	42.7	42.9	42.9	42.9	43.1
27.1	37.2	38.8	41.1	42.1	42.9	43.0	43.3	43.9	44.1	44.2	44.2	44.3	44.3	44.3	44.5
28.5	38.9	40.8	43.1	44.1	44.9	45.7	45.3	45.8	46.1	46.2	46.2	46.3	46.3	46.3	46.6
28.8	39.7	41.6	43.9	44.9	45.7	45.8	46.1	46.7	46.9	47.0	47.0	47.1	47.1	47.1	47.4
28.9	39.9	41.6	44.1	45.1	45.9	46.7	46.3	46.9	47.1	47.2	47.2	47.4	47.4	47.4	47.6
29.2	40.3	42.2	44.7	45.7	46.5	46.6	46.9	47.5	47.7	47.8	47.8	47.9	47.9	47.9	48.1
30.1	41.2	43.1	45.7	46.7	47.5	47.6	47.9	48.5	48.7	48.8	48.8	48.9	48.9	48.9	49.2
31.2	43.1	45.2	48.4	49.6	50.4	50.5	50.8	51.4	51.6	51.7	51.7	51.9	51.9	51.9	52.1
32.6	45.1	47.4	50.6	51.9	52.6	52.8	53.1	53.7	53.9	54.3	54.0	54.1	54.1	54.1	54.3
33.7	46.8	49.2	52.4	53.7	54.4	54.6	54.9	55.5	55.7	55.8	55.8	55.9	55.9	55.9	56.1
34.9	48.1	50.6	54.3	55.6	56.4	56.5	56.8	57.4	57.6	57.7	57.7	57.8	57.8	57.8	58.0
37.8	51.5	54.4	58.7	60.2	61.0	61.1	61.4	62.0	62.2	62.3	62.3	62.4	62.4	62.4	62.7
39.9	54.9	57.8	62.3	63.9	64.7	64.8	65.2	65.8	66.3	66.1	66.1	66.3	66.3	66.3	66.5
41.8	58.7	61.9	66.7	68.4	69.2	69.4	70.1	70.8	71.0	71.1	71.1	71.2	71.2	71.2	71.4
43.1	63.7	64.2	69.2	71.0	71.8	72.0	72.7	73.3	73.6	73.7	73.7	73.8	73.8	73.8	74.0
44.3	63.4	67.2	72.3	74.1	75.0	75.3	75.9	76.7	76.9	77.1	77.1	77.2	77.2	77.2	77.5
45.7	66.5	70.6	75.8	78.0	79.0	79.2	80.0	80.8	81.1	81.2	81.2	81.3	81.3	81.3	81.7
46.2	68.6	72.8	78.3	80.8	81.8	82.0	82.8	83.6	83.9	84.2	84.0	84.1	84.1	84.1	84.5
46.5	69.1	73.3	78.9	81.6	82.6	82.9	83.9	84.7	85.0	85.2	85.2	85.3	85.3	85.3	85.6
46.7	69.7	74.4	80.0	82.8	83.8	84.1	85.2	86.1	86.4	86.5	86.5	86.6	86.6	86.6	87.0
47.1	70.4	75.6	81.3	84.8	85.9	86.5	87.7	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.5
47.2	71.0	76.2	82.2	85.7	86.8	87.4	89.0	90.1	90.4	90.6	90.6	90.7	90.7	90.7	91.0
47.4	71.4	76.7	82.8	86.3	87.6	88.2	89.9	91.1	91.5	91.6	91.6	91.7	91.7	91.7	92.0
47.6	71.8	77.2	83.4	86.8	88.3	88.9	90.9	92.2	92.6	92.7	92.7	92.8	92.8	92.8	93.1
47.6	72.0	77.5	84.1	87.7	89.4	90.2	92.6	93.9	94.4	94.5	94.5	94.6	94.6	94.6	94.9
47.6	72.1	77.6	84.4	88.0	89.8	90.8	93.4	94.7	95.3	95.5	95.5	95.6	95.6	95.6	96.1
47.6	72.1	77.6	84.4	88.0	89.8	91.1	93.8	95.3	96.0	96.3	96.3	96.4	96.4	96.4	97.1
47.6	72.1	77.6	84.4	88.0	89.8	91.2	93.9	95.4	96.2	96.5	96.5	96.6	96.6	96.7	97.2100.0

TOTAL NUMBER OF OBSERVATIONS 889



UNCLASSIFIED AND UNCONTROLLED INFORMATION ARE INDICATED BY THIS MARK

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION BOSCOMBE DOWN UK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

18.2	26.2	28.8	30.9	32.3	33.5	34.2	35.4	35.7	36.1	36.2	36.2	36.4	36.4	36.6	37.1
21.9	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
21.7	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
21.9	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
21.9	31.8	34.9	38.1	40.2	41.4	42.1	43.3	43.5	44.0	44.1	44.1	44.3	44.3	44.4	45.0
22.8	33.0	36.0	39.4	41.4	42.6	43.3	44.5	44.8	45.2	45.3	45.3	45.6	45.6	45.7	46.2
23.8	34.3	37.5	40.8	43.0	44.2	44.9	46.1	46.3	46.8	46.9	46.9	47.1	47.1	47.2	47.8
24.4	35.1	38.2	41.6	43.9	45.1	45.8	47.0	47.2	47.7	47.8	47.8	48.0	48.1	48.3	48.8
24.6	35.3	38.5	41.8	44.1	45.3	46.0	47.2	47.5	47.9	48.0	48.0	48.3	48.4	48.5	49.0
24.9	35.5	38.7	42.1	44.3	45.6	46.2	47.5	47.7	48.1	48.3	48.3	48.5	48.6	48.7	49.3
25.6	37.3	40.2	43.6	45.9	47.1	47.9	49.2	49.4	49.8	49.9	49.9	50.2	50.3	50.4	51.0
27.4	40.0	43.5	48.3	50.6	52.0	52.8	54.0	54.2	54.7	54.8	54.8	55.0	55.1	55.2	55.8
28.3	41.6	45.1	50.1	52.5	53.9	54.7	56.0	56.2	56.7	56.8	56.8	57.0	57.1	57.3	57.8
29.6	43.1	46.6	51.7	54.3	55.7	56.5	57.8	58.0	58.5	58.6	58.6	58.8	58.9	59.1	59.6
30.6	44.3	47.9	53.2	55.8	57.1	57.9	59.3	59.5	60.0	60.1	60.1	60.3	60.4	60.5	61.1
33.4	49.0	52.9	58.5	61.3	62.7	63.4	64.8	65.0	65.5	65.6	65.6	65.8	65.9	66.0	66.7
35.3	52.3	55.8	61.4	64.2	65.6	66.4	67.7	67.9	68.4	68.5	68.5	68.7	68.8	69.0	69.6
37.3	55.5	59.5	65.2	68.2	69.7	70.6	72.1	72.3	72.8	72.9	72.9	73.1	73.2	73.3	74.0
37.8	56.2	60.4	66.4	69.3	70.9	71.8	73.2	73.5	74.0	74.1	74.1	74.4	74.5	74.6	75.3
38.7	57.7	62.1	68.2	71.1	72.8	73.7	75.3	75.5	76.0	76.2	76.2	76.5	76.6	76.7	77.4
40.3	60.3	64.7	71.4	74.6	76.3	77.2	78.7	79.0	79.5	79.6	79.6	80.0	80.1	80.2	80.9
41.4	62.5	66.9	73.9	77.2	79.2	80.1	81.8	82.0	82.6	82.7	82.7	83.0	83.1	83.2	83.9
41.5	63.0	67.5	74.7	78.0	80.0	80.9	82.7	82.9	83.3	83.6	83.6	83.9	84.0	84.1	84.8
41.8	64.0	68.4	75.7	79.3	81.3	82.2	84.0	84.3	84.8	84.9	84.9	85.3	85.4	85.6	86.3
42.1	64.8	69.4	76.9	80.9	82.9	83.8	85.7	86.1	86.6	86.7	86.7	87.1	87.2	87.4	88.1
42.2	65.5	70.2	78.0	82.0	84.1	85.0	87.2	87.6	88.2	88.3	88.3	88.6	88.8	89.0	89.7
42.3	66.0	71.0	78.9	82.9	85.0	85.9	88.4	89.0	89.5	89.7	89.7	90.0	90.1	90.3	91.0
42.7	67.2	72.2	80.1	84.1	86.3	87.3	90.0	90.8	91.5	91.6	91.6	91.9	92.1	92.4	93.0
42.7	67.6	72.8	81.1	85.3	87.5	88.6	91.7	92.7	93.4	93.5	93.5	93.8	94.0	94.3	94.9
42.7	67.6	72.8	81.1	85.3	87.5	88.9	92.0	93.0	93.8	93.9	93.9	94.3	94.5	94.7	95.4
42.7	67.6	72.8	81.1	85.4	87.7	89.1	92.5	93.6	94.6	94.7	94.7	95.1	95.3	95.5	96.2
42.7	67.6	72.8	81.1	85.4	87.7	89.1	92.5	93.6	94.9	95.3	95.3	95.6	96.1	96.7	97.0

TOTAL NUMBER OF OBSERVATIONS 889

DATA FROM 1973-1982. ALL PERCENTAGES ARE BASED ON 889 OBSERVATIONS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

121400 BOSCOMBE DOWN UK

73-67

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

15.4	19.9	21.4	22.1	23.3	24.5	24.8	26.3	26.6	26.9	27.3	27.4	27.9	28.4	29.4	29.5
18.3	23.6	25.1	26.2	27.4	28.7	29.1	31.0	31.3	31.6	32.0	32.1	32.6	33.2	33.2	34.3
18.4	23.9	25.5	26.6	27.8	29.1	29.4	31.4	31.6	31.9	32.3	32.5	32.9	33.6	33.6	34.6
18.4	23.9	25.5	26.6	27.8	29.1	29.4	31.4	31.6	31.9	32.3	32.5	32.9	33.6	33.6	34.6
18.7	24.3	25.8	26.9	28.1	29.4	29.7	31.7	32.0	32.3	32.8	32.9	33.3	34.0	34.0	35.1
19.2	25.5	27.0	28.1	29.3	30.6	30.9	32.9	33.2	33.6	34.0	34.1	34.5	35.2	35.2	36.3
20.1	26.6	28.1	29.2	30.4	31.7	32.0	34.0	34.3	34.6	35.1	35.2	35.6	36.4	36.4	37.5
20.4	26.9	28.4	29.5	30.7	32.1	32.5	34.4	34.8	35.1	35.5	35.6	36.1	36.8	36.8	37.9
20.5	27.1	28.7	29.8	31.0	32.5	32.8	34.8	35.2	35.5	36.0	36.1	36.5	37.4	37.4	38.6
20.8	27.7	29.3	30.4	31.6	33.0	33.7	35.6	36.1	36.4	36.8	36.9	37.4	38.4	38.4	39.6
21.2	28.2	29.8	31.0	32.3	33.8	34.5	36.5	36.9	37.3	37.7	37.8	38.3	39.2	39.2	40.4
22.1	29.8	31.6	32.9	34.3	35.8	36.8	38.8	39.2	39.6	40.0	40.1	40.5	41.5	41.5	42.7
22.7	31.1	33.1	34.4	35.8	37.5	38.5	40.5	41.1	41.4	41.9	42.0	42.4	43.5	43.6	44.9
24.3	33.6	35.7	37.2	38.6	40.2	41.3	43.4	43.9	44.3	44.7	44.8	45.2	46.3	46.4	47.8
25.1	35.1	37.4	39.0	40.4	42.1	43.2	45.4	45.9	46.2	46.7	46.8	47.2	48.3	48.4	49.7
27.8	38.9	41.5	43.6	45.1	47.1	48.2	50.7	51.3	51.6	52.0	52.1	52.6	53.7	53.8	55.1
28.5	43.1	43.5	45.5	47.3	49.5	50.7	53.6	54.3	54.8	55.2	55.3	55.7	56.8	56.9	58.3
30.6	43.6	46.7	49.4	51.6	53.8	55.0	58.3	59.2	59.7	60.1	60.2	60.7	61.9	62.0	63.4
31.5	45.5	48.6	51.7	54.0	56.2	57.4	60.7	61.6	62.1	62.5	62.6	63.1	64.3	64.4	65.9
32.8	48.7	52.7	55.7	58.1	60.4	61.6	65.2	66.3	66.9	67.3	67.4	67.9	69.1	69.2	70.7
34.3	51.1	55.2	58.6	61.1	63.7	64.9	68.7	69.8	70.5	70.9	71.0	71.6	72.8	72.9	74.4
35.4	53.1	57.4	61.0	63.6	66.3	67.7	71.6	72.7	73.4	73.9	74.0	74.5	75.7	75.8	77.4
35.5	54.0	58.4	62.2	64.8	67.7	69.1	73.0	74.1	74.9	75.3	75.4	76.0	77.2	77.3	78.8
36.0	55.1	59.8	63.6	66.2	69.1	70.5	74.5	75.6	76.5	76.9	77.0	77.6	78.8	78.9	80.4
36.5	56.9	62.1	65.9	68.9	71.7	73.1	77.2	78.3	79.1	79.6	79.7	80.2	81.4	81.5	83.1
36.9	58.3	63.6	67.5	70.6	73.7	75.3	79.3	80.4	81.3	81.7	81.9	82.4	83.6	83.7	85.2
37.4	59.2	64.7	68.9	72.2	75.3	77.0	81.1	82.2	83.1	83.5	83.6	84.2	85.4	85.5	87.0
37.6	59.9	65.5	70.6	74.2	77.4	79.1	83.2	84.3	85.2	85.7	85.8	86.3	87.5	87.7	89.2
37.6	60.4	66.1	71.7	75.4	78.8	80.7	85.0	86.1	87.1	87.7	87.8	88.3	89.5	89.6	91.1
37.6	60.4	66.1	72.0	76.7	80.3	82.6	87.5	88.6	89.7	90.4	90.5	91.1	92.5	92.6	94.1
37.6	60.7	66.3	72.2	76.9	80.5	83.1	88.3	90.3	91.5	92.5	92.7	93.7	95.3	95.5	97.4
37.6	60.7	66.3	72.2	76.9	80.5	83.1	88.5	90.5	91.7	92.7	93.0	94.1	96.4	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 915

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7746. BOZCOMBE DOWN JK

73-32

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

3300-3500

13.9	17.4	19.1	20.1	20.9	21.3	21.7	23.5	24.2	24.3	24.6	24.7	24.9	25.1	25.3	26.9
16.4	20.2	22.2	23.5	24.2	24.8	25.4	27.4	28.2	28.4	28.7	28.8	29.0	29.4	29.6	31.2
16.5	20.3	22.3	23.6	24.5	25.1	25.8	27.7	28.5	28.7	29.0	29.1	29.4	29.7	29.9	31.6
16.6	20.4	22.4	23.7	24.6	25.2	25.9	27.8	28.6	28.8	29.1	29.3	29.5	29.8	30.0	31.7
16.7	20.5	22.5	23.8	24.7	25.3	26.0	27.9	28.7	28.9	29.3	29.4	29.6	29.9	30.1	31.8
17.0	20.9	22.8	24.2	25.1	25.8	26.4	28.5	29.3	29.5	29.8	29.9	30.1	30.5	30.7	32.3
17.7	22.1	24.0	25.4	26.3	27.0	27.6	29.7	30.5	30.7	31.0	31.1	31.3	31.7	31.9	33.5
18.1	22.5	24.5	26.0	27.0	27.6	28.3	30.3	31.1	31.3	31.7	31.8	32.0	32.3	32.5	34.2
18.2	22.6	24.6	26.1	27.1	27.7	28.4	30.5	31.2	31.4	31.8	31.9	32.1	32.4	32.6	34.3
18.6	22.9	24.9	26.4	27.4	28.1	28.7	30.9	31.7	31.9	32.2	32.3	32.5	32.9	33.1	34.7
19.5	24.1	26.2	28.1	29.3	29.9	30.7	32.9	33.6	33.8	34.2	34.3	34.6	34.9	35.2	36.8
21.4	26.7	28.9	30.9	32.1	32.8	33.5	35.7	36.5	36.7	37.0	37.1	37.4	37.8	38.0	39.6
22.1	28.1	30.3	32.4	33.6	34.3	35.2	37.8	38.5	38.8	39.1	39.2	39.5	39.8	40.1	41.7
23.0	29.7	32.2	34.3	35.6	36.2	37.2	40.1	40.9	41.3	41.6	41.7	42.0	42.4	42.6	44.2
24.5	31.8	34.5	36.6	37.9	38.5	39.5	42.6	43.4	43.8	44.1	44.2	44.5	44.9	45.1	46.7
27.0	35.9	38.8	40.9	42.4	43.1	44.2	47.5	48.4	48.8	49.1	49.2	49.6	49.9	50.2	52.0
28.9	38.8	42.0	44.2	45.6	46.7	47.8	51.3	52.3	52.7	53.1	53.2	53.6	54.0	54.4	56.1
32.1	43.1	46.5	49.0	50.4	51.6	52.8	56.7	57.6	58.2	58.5	58.6	59.1	59.5	59.8	61.6
33.0	44.4	47.9	50.5	52.4	53.6	54.9	58.8	59.8	60.4	60.7	60.8	61.2	61.8	62.1	63.9
34.3	46.4	50.2	53.2	55.1	56.8	58.1	62.1	63.1	63.6	64.0	64.1	64.5	65.1	65.4	67.1
36.1	49.6	54.5	57.6	59.9	61.8	63.1	67.2	68.3	68.9	69.2	69.3	69.8	70.3	70.6	72.6
37.1	51.7	57.1	60.6	62.9	64.7	66.0	70.2	71.4	72.1	72.4	72.5	72.9	73.5	73.8	75.8
37.8	52.5	58.1	61.6	63.9	65.7	67.0	71.3	72.5	73.1	73.5	73.6	74.0	74.6	74.9	76.9
37.9	53.8	59.5	63.2	65.5	67.4	68.7	72.9	74.1	74.8	75.1	75.2	75.7	76.2	76.5	78.5
38.4	56.1	61.9	65.8	68.6	70.4	71.7	76.0	77.2	77.9	78.4	78.5	78.9	79.5	79.8	81.8
38.8	57.2	63.2	67.2	70.0	71.8	73.1	77.4	78.6	79.4	79.8	79.9	80.3	80.9	81.2	83.2
38.8	58.2	64.4	68.7	71.5	73.4	74.7	78.9	80.1	80.9	81.3	81.4	81.9	82.4	82.8	84.7
37.1	58.8	65.4	69.9	73.1	75.3	76.9	81.2	82.4	83.2	83.6	83.7	84.2	84.7	85.0	87.0
39.1	59.1	65.9	71.2	74.6	77.0	78.6	83.5	84.8	85.7	86.2	86.4	86.8	87.3	87.7	89.6
39.1	59.1	65.9	71.5	75.3	77.7	79.9	85.7	87.2	88.1	88.8	88.9	89.3	89.8	90.2	92.1
39.1	59.1	66.2	71.8	76.1	78.5	81.0	87.6	89.6	91.2	92.2	92.4	92.8	93.4	93.8	96.3
39.1	59.1	66.2	71.8	76.1	78.5	81.0	87.7	89.7	91.6	93.0	93.1	94.1	95.1	95.9	98.0

TOTAL NUMBER OF OBSERVATIONS

516

2
CLIMATOCLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

THRU 00000000 DOWN ON

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

200-1100

13.7	16.3	17.7	19.7	20.8	21.3	21.5	21.9	22.1	22.1	22.1	22.1	22.2	22.7	22.7	23.6
18.4	22.5	23.4	26.8	28.0	29.7	29.2	29.6	29.9	29.9	29.9	29.9	30.1	31.1	31.2	32.3
18.8	23.2	24.7	27.4	28.6	29.4	29.8	30.3	30.6	30.6	30.6	30.6	30.8	31.4	31.9	33.0
19.2	23.5	24.4	27.7	28.9	29.7	30.1	30.6	30.9	30.9	30.9	30.9	31.1	32.1	32.2	33.3
19.5	23.9	24.8	28.2	29.4	30.1	30.7	31.1	31.4	31.4	31.4	31.4	31.7	32.5	32.8	33.8
20.1	24.5	25.4	28.7	30.0	30.8	31.3	31.8	32.1	32.1	32.1	32.1	32.3	33.3	33.4	34.5
21.5	26.2	27.1	30.5	31.8	32.5	33.1	33.5	33.8	33.9	33.9	33.9	34.2	35.1	35.3	36.3
22.1	27.0	27.9	31.3	32.6	33.4	33.9	34.5	34.8	34.9	34.9	34.9	35.1	36.1	36.2	37.4
22.3	27.5	28.4	31.9	33.4	34.2	34.7	35.4	35.7	35.8	35.8	35.8	36.0	37.0	37.1	38.3
22.7	28.0	28.8	32.3	33.8	34.6	35.1	35.8	36.1	36.2	36.2	36.2	36.5	37.4	37.5	38.7
23.6	29.1	30.0	33.8	35.4	36.5	37.0	37.6	38.0	38.1	38.1	38.1	38.3	39.3	39.4	40.5
24.8	31.0	32.0	35.9	37.4	38.5	39.1	39.7	40.0	40.2	40.3	40.3	40.5	41.5	41.6	42.8
25.8	32.8	33.9	39.1	39.6	40.8	41.5	42.2	42.7	42.8	42.9	42.9	43.1	44.1	44.2	45.4
26.9	34.5	35.7	39.9	41.7	42.9	43.5	44.5	44.9	45.0	45.2	45.2	45.4	46.4	46.5	47.7
27.1	34.8	36.0	40.4	42.2	43.6	44.3	45.3	45.7	45.8	45.9	45.9	46.1	47.1	47.2	48.4
29.9	37.8	39.2	43.7	45.6	47.7	48.0	49.0	49.4	49.5	49.6	49.6	49.8	50.8	50.9	52.1
31.8	40.5	42.3	47.4	49.8	51.8	52.6	53.6	54.4	54.5	54.6	54.6	54.8	55.8	55.9	57.1
34.2	44.4	46.4	51.7	54.4	56.4	57.2	58.4	59.5	59.6	59.7	59.7	60.0	60.9	61.0	62.2
36.7	46.8	48.9	54.4	57.3	59.3	60.2	61.4	62.5	62.6	62.7	62.7	62.9	63.9	64.0	65.2
37.1	48.3	50.6	56.7	59.8	61.8	62.7	64.2	65.3	65.4	65.5	65.5	65.7	66.7	66.8	68.0
39.1	51.3	53.6	59.8	63.3	65.4	66.4	68.1	69.3	69.4	69.5	69.5	69.7	70.7	70.8	72.0
40.3	53.1	55.5	62.0	65.5	67.6	68.6	70.3	71.5	71.6	71.7	71.7	71.9	72.9	73.0	74.2
41.2	54.6	57.1	63.7	67.1	69.2	70.2	71.9	73.1	73.2	73.3	73.3	73.6	74.5	74.6	75.8
42.0	55.6	58.3	65.1	68.8	70.8	71.9	73.7	75.0	75.1	75.2	75.2	75.4	76.4	76.5	77.7
42.9	57.3	60.2	67.1	71.5	73.7	74.8	76.5	77.8	77.9	78.0	78.0	78.2	79.3	79.4	80.6
43.4	58.8	61.8	69.3	73.9	76.4	77.8	79.7	81.0	81.1	81.2	81.3	81.5	82.6	82.7	83.9
43.7	59.5	62.7	70.4	75.2	77.7	79.1	81.2	82.5	82.6	82.7	82.8	83.0	84.1	84.2	85.4
43.7	59.8	63.0	71.1	76.3	79.4	81.1	83.5	84.9	85.2	85.3	85.4	85.6	86.7	86.8	88.0
43.7	60.3	63.7	71.9	77.4	81.0	82.9	86.0	87.7	88.0	88.1	88.2	88.5	89.6	89.7	90.9
43.7	60.3	63.8	72.6	78.3	82.3	84.7	88.5	90.2	90.9	91.0	91.1	91.4	92.5	92.6	93.8
43.7	60.3	63.8	72.6	78.3	82.4	84.8	89.6	91.8	92.9	93.3	93.4	94.1	95.8	95.9	97.9
43.7	60.3	63.8	72.6	78.3	82.4	84.8	89.6	91.8	93.0	93.5	93.6	94.6	96.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 919

GLOBAL CLIMATOLOGY BRANCH
 WAFSCAT
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7742 DOWNSIDE DOWN UP

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1700-1400

12.3	17.5	18.5	19.9	21.5	21.7	21.1	21.3	21.3	21.3	21.3	21.3	21.5	21.5	21.5	22.0
21.0	28.4	29.8	31.3	32.3	32.7	33.1	33.5	33.5	33.5	33.5	33.5	33.6	33.6	33.6	34.4
21.9	28.7	31.0	31.5	32.5	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8	34.6
21.9	28.7	31.0	31.5	32.5	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.8	33.8	33.8	34.6
22.3	29.4	31.4	32.3	33.3	33.7	34.1	34.5	34.5	34.5	34.5	34.5	34.6	34.6	34.6	35.4
22.9	30.2	31.7	33.3	34.3	34.7	35.1	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.7	36.5
24.9	32.6	34.3	35.8	36.8	37.3	37.6	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	39.3
25.3	33.8	35.6	37.2	38.2	38.6	38.9	39.7	39.7	39.7	39.7	39.7	39.8	39.8	39.8	40.6
25.8	33.8	35.7	37.3	38.3	38.7	39.0	39.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9	40.7
25.9	34.0	35.8	37.4	38.4	38.8	39.2	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.8
26.3	34.7	36.6	38.3	39.3	39.9	40.3	41.0	41.0	41.0	41.0	41.0	41.2	41.2	41.2	41.9
27.8	36.5	38.4	40.2	41.3	42.1	42.6	43.6	43.6	43.7	43.7	43.9	44.0	44.1	44.1	44.9
29.1	38.5	40.5	42.6	43.9	44.9	45.4	46.5	46.5	46.6	46.7	46.9	47.0	47.1	47.1	47.9
31.7	41.4	43.4	45.6	47.0	48.0	48.6	49.7	49.7	49.8	49.9	50.1	50.2	50.3	50.3	51.1
32.5	42.3	44.2	46.6	48.0	49.0	49.6	50.7	50.7	50.8	50.9	51.1	51.2	51.3	51.3	52.1
36.1	46.2	48.3	51.0	52.8	53.8	54.3	55.4	55.4	55.5	55.6	55.9	56.0	56.1	56.1	56.9
37.7	48.2	51.4	53.2	55.2	56.2	56.9	58.0	58.1	58.3	58.4	58.6	58.7	58.9	58.9	59.5
40.7	51.3	53.7	56.9	59.3	60.5	61.3	62.6	62.7	62.9	63.1	63.3	63.4	63.5	63.5	64.3
42.7	54.1	56.4	59.6	62.1	63.3	64.0	65.4	65.5	65.7	65.8	66.0	66.2	66.3	66.3	67.0
45.1	57.6	60.3	63.8	66.7	68.4	69.1	70.5	70.6	70.8	70.9	71.1	71.2	71.3	71.3	72.1
47.6	61.8	64.9	68.9	71.9	73.6	74.3	75.7	75.8	76.0	76.1	76.3	76.4	76.5	76.5	77.3
49.3	63.3	66.5	70.7	73.9	75.7	76.4	77.8	77.9	78.1	78.2	78.4	78.5	78.7	78.7	79.4
48.5	63.9	67.3	71.6	75.0	76.8	77.5	78.9	79.1	79.3	79.4	79.6	79.8	79.9	79.9	80.6
50.1	65.7	69	73.6	77.3	79.1	79.9	81.2	81.4	81.6	81.7	82.0	82.1	82.2	82.2	83.0
50.3	66.9		72.3	79.2	81.0	82.0	83.5	83.8	84.1	84.2	84.4	84.5	84.6	84.6	85.4
51.1	67.6		76.3	80.9	83.0	84.3	85.8	86.3	86.6	86.7	86.9	87.1	87.2	87.2	87.9
51.1	68.4		77.8	82.7	85.2	86.5	88.3	88.7	89.0	89.2	89.4	89.5	89.6	89.6	90.4
51.1	68.6	72.9	78.2	83.2	85.7	87.2	89.2	89.6	89.9	90.0	90.3	90.4	90.5	90.5	91.3
51.1	69.0	73.6	79.2	84.7	87.7	89.4	91.5	91.9	92.3	92.4	92.6	92.7	92.8	92.8	93.6
51.1	69.0	73.6	79.3	85.3	88.5	90.6	93.4	93.9	94.5	94.8	95.1	95.4	95.5	95.5	96.2
51.1	69.2	73.8	79.5	85.5	88.9	91.2	94.1	94.8	95.8	96.5	96.9	97.1	97.3	97.3	98.6
51.1	69.2	73.8	79.5	85.5	88.9	91.2	94.1	94.8	96.0	96.8	97.2	97.7	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

904

GLOBAL CLIMATOLOGY BRANCH
OF AFCTAC
AFS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7431 WOSCOMBE DOWN UK

73-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM FOUR HOUR OBSERVATIONS

1500-1700

12.1	17.6	18.4	19.8	21.0	22.1	23.7	25.9	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.5
19.6	27.7	29.3	31.3	32.7	32.1	32.6	32.9	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.6
17.6	27.7	29.3	31.3	32.7	32.1	32.6	32.9	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.6
19.6	27.7	29.3	31.3	32.7	32.1	32.6	32.9	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.6
20.5	28.7	31.3	32.3	33.7	33.1	33.6	33.9	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.7
21.7	30.1	31.7	33.8	34.7	34.9	35.5	35.8	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.6
23.2	32.2	33.9	36.5	37.3	37.5	38.1	38.6	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.4
23.4	32.6	34.6	37.3	38.2	38.4	39.0	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	40.3
23.5	32.7	34.8	37.5	38.4	38.6	39.2	39.7	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.5
23.6	33.0	34.9	37.6	38.5	38.7	39.3	39.8	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.6
23.8	33.4	35.6	38.6	39.7	40.2	40.7	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6	42.0
24.5	34.6	36.9	39.9	41.0	41.5	42.0	42.5	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.4
25.2	35.8	38.4	41.7	42.8	43.2	43.7	44.5	44.7	44.9	44.9	44.9	44.9	44.9	44.9	45.4
26.4	38.4	41.1	44.4	45.5	46.0	46.6	47.3	47.7	47.9	47.9	47.9	47.9	47.9	47.9	48.3
27.6	39.3	41.9	45.4	46.5	47.1	47.7	48.4	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.5
31.2	43.7	46.4	49.8	51.0	51.9	52.4	53.3	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.4
33.4	46.6	49.3	53.0	54.3	55.4	56.0	57.0	57.5	57.7	57.7	57.7	57.7	57.7	57.7	58.1
37.1	51.4	54.4	58.2	59.5	60.6	61.3	62.4	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.4
38.6	53.3	56.8	61.0	62.6	63.8	64.4	65.5	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.6
40.7	57.2	60.7	65.5	67.2	68.6	69.3	70.4	70.8	71.1	71.1	71.1	71.1	71.1	71.2	71.6
42.4	60.4	64.2	69.2	70.9	72.5	73.2	74.3	74.8	75.1	75.2	75.2	75.2	75.2	75.3	75.7
43.4	62.4	66.2	71.9	73.9	75.7	76.6	77.7	78.1	78.5	78.6	78.6	78.6	78.6	78.7	79.1
43.5	62.7	66.5	72.5	74.5	76.4	77.3	78.3	78.9	79.2	79.3	79.3	79.3	79.3	79.4	79.9
44.7	64.3	68.4	74.9	77.0	78.9	79.9	81.1	81.6	81.9	82.0	82.0	82.0	82.0	82.2	82.6
45.4	65.6	69.9	76.6	78.9	80.7	81.7	82.9	83.6	83.9	84.0	84.0	84.0	84.0	84.1	84.5
45.5	66.5	71.4	78.9	81.9	84.1	85.2	86.9	87.7	88.0	88.1	88.1	88.1	88.1	88.2	88.7
45.6	66.7	71.7	79.5	82.8	85.1	86.2	88.0	88.9	89.2	89.3	89.3	89.3	89.3	89.4	89.9
45.7	67.0	72.0	80.7	84.9	87.2	88.2	90.3	91.4	91.7	91.8	91.8	91.8	91.9	92.1	92.5
45.7	67.0	72.3	81.2	85.6	88.0	89.3	91.5	92.6	92.9	93.1	93.1	93.1	93.1	93.4	93.8
45.7	67.1	72.4	81.5	86.2	88.9	90.4	93.4	94.7	95.1	95.3	95.3	95.3	95.4	95.5	96.0
45.7	67.1	72.4	81.5	86.3	89.0	90.8	94.1	95.6	96.5	96.8	97.0	97.1	97.2	97.2	97.9
45.7	67.1	72.4	81.5	86.3	89.0	90.8	94.1	95.6	96.7	97.3	97.4	97.6	98.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 919

FEDERAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 WEATHER SERVICE /WAC

CEILING VERSUS VISIBILITY

45 WILCOX, ALASKA

73-37

DEC

PERCENTAGE FREQUENCY OF CEILING
 FROM THE FOLLOWING OBSERVATIONS

1900-1900

10.1	16.2	19.3	21.7	22.9	23.0	23.8	24.5	24.7	24.9	25.1	25.1	25.5	25.9	26.1	26.1
17.3	24.3	25.2	29.2	31.4	31.5	32.5	33.3	33.1	33.3	33.4	33.4	33.9	34.2	34.4	34.5
17.7	24.5	26.1	29.4	31.6	31.2	32.2	33.2	33.7	33.5	33.6	33.6	34.2	34.4	34.6	34.7
17.7	24.5	26.1	29.4	30.6	31.2	32.2	33.2	33.3	33.5	33.6	33.6	34.2	34.4	34.6	34.7
18.1	25.1	26.7	29.9	31.1	32.0	33.1	34.1	34.2	34.4	34.5	34.5	35.0	35.2	35.5	35.6
19.1	26.1	27.8	31.0	32.2	33.1	34.2	35.1	35.2	35.5	35.6	35.6	35.1	35.3	35.6	35.7
20.5	27.4	29.3	32.8	34.1	35.1	36.2	37.2	37.3	37.5	37.6	37.6	38.2	38.5	38.7	38.8
21.2	27.8	29.5	33.2	34.5	35.5	36.7	37.6	37.7	38.0	38.1	38.1	38.6	39.1	39.7	39.8
21.3	27.7	29.7	33.3	34.6	35.7	36.8	37.7	37.9	38.1	38.2	38.2	38.7	39.2	39.4	39.5
21.4	28.0	29.8	33.4	34.7	35.8	37.0	38.0	38.1	38.3	38.4	38.4	38.9	39.4	39.6	39.7
20.9	28.6	30.5	34.1	35.4	36.6	38.0	38.9	39.0	39.3	39.4	39.4	39.9	40.3	40.6	40.7
21.5	29.4	31.2	35.1	36.4	37.6	39.2	40.2	40.3	40.6	40.7	40.7	41.2	41.6	41.9	42.0
21.9	29.8	31.7	36.1	37.4	38.7	40.2	41.3	41.4	41.6	41.6	41.9	42.4	42.9	43.1	43.2
22.2	31.0	33.3	37.9	39.5	40.8	42.3	43.5	43.6	43.9	44.1	44.1	44.7	45.1	45.3	45.4
23.5	32.0	34.5	39.3	40.9	42.2	43.8	45.0	45.2	45.7	45.9	45.9	46.4	46.6	47.1	47.2
25.4	35.7	38.5	43.6	45.4	47.0	48.6	49.8	50.0	50.5	50.8	50.8	51.3	51.8	52.1	52.2
28.0	38.7	41.6	47.5	48.9	50.8	52.5	53.9	54.1	54.7	54.9	54.9	55.4	56.0	56.2	56.3
29.3	41.3	44.6	50.5	52.8	54.9	56.6	58.4	59.6	59.1	59.3	59.3	59.9	60.4	60.6	60.7
30.3	43.2	46.6	52.7	55.1	57.4	59.2	61.0	61.2	61.7	61.9	61.9	62.5	63.0	63.2	63.3
32.1	47.2	51.2	57.4	59.9	62.1	64.2	65.9	66.2	66.7	66.9	66.9	67.5	68.0	68.2	68.3
33.9	50.8	55.0	62.0	64.6	66.9	69.1	70.8	71.1	71.7	71.9	71.9	72.5	73.0	73.2	73.3
35.2	53.3	57.7	64.9	67.5	69.8	72.0	73.8	74.1	74.6	74.8	74.8	75.4	75.9	76.1	76.2
36.1	53.3	59.2	65.4	68.0	70.4	72.6	74.3	74.6	75.2	75.4	75.4	75.9	76.5	76.7	76.8
35.4	54.7	59.2	66.8	69.4	71.8	74.0	75.7	76.1	76.7	76.9	76.9	77.4	78.0	78.2	78.3
36.3	56.1	61.0	69.2	71.8	74.2	76.7	78.7	79.2	79.7	80.0	80.0	80.6	81.1	81.3	81.5
37.2	57.5	62.5	71.9	74.6	77.0	79.6	81.9	82.3	82.9	83.2	83.2	83.7	84.3	84.5	84.6
37.3	58.0	63.1	73.0	75.9	78.7	81.3	83.6	84.3	84.9	85.2	85.2	85.8	86.3	86.6	86.7
37.6	59.3	64.5	75.2	78.3	81.9	84.8	87.6	88.2	89.0	89.4	89.4	89.9	90.5	90.7	90.8
37.6	59.8	65.5	76.6	79.9	83.9	87.2	90.3	91.2	92.0	92.3	92.3	92.8	93.4	93.6	93.7
37.5	59.8	65.7	76.9	80.5	84.6	88.3	91.9	93.0	94.0	94.4	94.4	94.9	95.4	95.7	95.8
37.6	57.8	65.7	76.9	80.5	84.6	88.4	92.2	93.6	94.9	95.4	95.4	96.1	97.0	97.2	97.5
37.5	59.8	65.7	76.9	80.5	84.6	88.4	92.2	93.6	95.1	95.7	95.7	96.3	97.4	97.8	98.0

TOTAL NUMBER OF OBSERVATIONS 922

CLIMATE CLIMATOLOGY BRANCH
USAFCTAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1746

BOB COMBEE DOWN UN

73-87

DEC

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

13.4	17.7	19.0	20.5	21.3	21.9	22.3	23.3	23.5	23.6	23.8	23.8	24.7	24.4	24.5	25.4
18.1	23.8	25.4	27.3	28.3	29.1	29.6	30.8	31.1	31.2	31.3	31.4	31.6	32.7	32.2	33.1
18.2	23.9	25.6	27.4	28.5	29.3	29.9	31.5	31.3	31.5	31.5	31.7	31.9	32.3	32.4	33.4
18.3	24.0	25.6	27.5	28.6	29.4	29.9	31.1	31.4	31.5	31.7	31.8	32.0	32.4	32.5	33.5
18.7	24.6	26.2	28.1	29.2	30.0	30.6	31.8	32.1	32.3	32.4	32.5	32.7	33.1	33.2	34.7
19.3	25.4	27.1	29.0	30.1	31.0	31.6	32.8	33.1	33.2	33.4	33.5	33.7	34.1	34.7	35.2
20.4	26.9	28.6	30.6	31.8	32.7	33.3	34.5	34.8	35.0	35.1	35.2	35.4	35.9	36.7	37.1
20.0	27.4	29.2	31.3	32.4	33.3	33.9	35.2	35.5	35.7	35.8	35.9	36.1	36.6	36.7	37.7
20.9	27.5	29.4	31.5	32.6	33.6	34.1	35.4	35.7	35.9	36.1	36.1	36.4	36.9	37.7	38.7
21.0	27.7	29.6	31.7	32.9	33.8	34.4	35.7	36.7	36.2	36.4	36.4	36.7	37.2	37.3	38.3
21.6	28.5	30.4	32.7	34.0	35.0	35.7	37.0	37.4	37.5	37.7	37.8	38.7	38.5	39.7	39.7
22.7	30.4	32.4	34.8	36.1	37.2	38.0	39.3	39.7	39.9	40.0	40.1	40.4	40.9	41.1	42.1
23.7	31.7	33.8	36.4	37.8	38.9	39.7	41.2	41.6	41.8	42.7	42.1	42.3	42.9	43.7	44.7
25.0	33.6	35.9	38.6	40.1	41.3	42.1	43.7	44.1	44.3	44.5	44.6	44.9	45.4	45.6	46.6
25.3	34.7	37.1	40.0	41.5	42.7	43.6	45.3	45.7	45.9	46.1	46.2	46.5	47.1	47.2	48.2
28.8	38.7	41.4	44.4	46.1	47.5	48.4	50.3	50.7	51.0	51.1	51.3	51.5	52.1	52.3	53.3
30.6	41.3	44.2	47.5	49.4	51.1	52.1	54.2	54.7	55.0	55.2	55.3	55.6	56.2	56.3	57.4
33.3	45.0	48.2	51.9	54.0	55.8	56.9	59.2	59.8	60.1	60.3	60.4	60.7	61.3	61.5	62.6
34.0	47.5	50.4	54.3	56.5	58.4	59.6	61.9	62.6	62.9	63.1	63.2	63.5	64.1	64.3	65.4
36.2	49.8	53.5	57.7	60.2	62.2	63.4	66.0	66.6	67.0	67.2	67.3	67.6	68.2	68.4	69.5
37.7	53.7	57.1	61.7	64.3	66.5	67.8	70.4	71.1	71.5	71.7	71.8	72.2	72.8	73.0	74.1
39.2	55.2	59.4	64.2	67.0	69.3	70.6	73.3	74.0	74.4	74.6	74.7	75.1	75.7	75.9	77.0
39.5	56.0	60.4	65.3	68.1	70.4	71.8	74.4	75.2	75.6	75.8	75.9	76.3	76.9	77.1	78.2
40.2	57.2	61.7	67.0	69.9	72.2	73.6	76.3	77.1	77.5	77.7	77.9	78.2	78.8	79.7	80.1
40.8	58.8	63.6	69.1	72.3	74.6	76.1	78.9	79.7	80.1	80.4	80.5	80.9	81.5	81.7	82.8
41.7	60.0	65.1	71.1	74.5	77.0	78.6	81.6	82.5	82.9	83.2	83.3	83.7	84.3	84.5	85.6
41.4	60.7	66.0	72.2	75.9	78.6	80.2	83.3	84.2	84.6	84.9	85.0	85.4	86.7	86.2	87.3
41.5	61.3	66.7	73.4	77.4	80.3	82.1	85.4	86.3	86.9	87.2	87.3	87.7	88.3	88.5	89.6
41.5	61.7	67.3	74.5	78.8	81.9	83.9	87.6	88.6	89.2	89.5	89.7	90.0	90.7	90.9	92.0
41.5	61.7	67.4	74.8	79.6	82.9	85.2	89.6	90.7	91.4	91.8	92.0	92.4	93.1	93.2	94.4
41.5	61.8	67.5	75.0	79.8	83.3	85.8	90.6	92.2	93.3	94.0	94.2	94.8	95.8	95.9	97.6
41.5	61.8	67.5	75.0	79.9	83.3	85.9	90.7	92.3	93.5	94.4	94.6	95.4	96.8	97.11	100.0

TOTAL NUMBER OF OBSERVATIONS 7332

2
1
FEDERAL CLIMATOLOGY BRANCH
WAFB/TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1945 BOSCOMBE DOWN, OK

73-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

17.7	23.4	24.7	26.3	27.2	27.9	28.3	29.1	29.3	29.4	29.5	29.6	29.7	30.0	30.1	30.5
24.4	32.0	33.8	35.7	36.9	37.8	38.4	39.2	39.5	39.7	39.8	39.9	40.1	40.4	40.5	41.0
24.5	32.1	33.9	35.8	37.0	37.9	38.5	39.3	39.6	39.9	40.0	40.0	40.2	40.5	40.6	41.1
24.6	32.2	33.9	35.9	37.1	37.9	38.5	39.4	39.7	39.9	40.0	40.1	40.2	40.6	40.7	41.2
25.1	32.8	34.6	36.6	37.8	38.7	39.3	40.1	40.5	40.7	40.8	40.8	41.0	41.3	41.4	41.9
25.9	34.0	35.8	37.9	39.2	40.1	40.7	41.6	41.9	42.2	42.3	42.3	42.5	42.8	42.9	43.4
27.5	36.1	38.0	40.2	41.6	42.5	43.2	44.1	44.5	44.7	44.8	44.8	45.0	45.4	45.5	46.0
28.1	37.0	39.0	41.3	42.8	43.7	44.5	45.4	45.8	46.0	46.1	46.2	46.3	46.7	46.8	47.3
28.3	37.3	39.3	41.7	43.1	44.1	44.8	45.6	46.2	46.4	46.5	46.6	46.7	47.1	47.2	47.7
28.6	37.7	39.7	42.0	43.5	44.5	45.2	46.2	46.6	46.8	46.9	47.0	47.2	47.5	47.6	48.1
29.6	39.0	41.1	43.6	45.1	46.1	46.9	47.9	48.2	48.5	48.6	48.7	48.8	49.2	49.3	49.8
32.1	42.5	44.8	47.5	49.2	50.3	51.2	52.3	52.7	52.9	53.0	53.1	53.3	53.6	53.8	54.3
33.7	44.9	47.4	50.2	52.0	53.1	54.0	55.2	55.6	55.9	56.0	56.1	56.3	56.6	56.7	57.3
35.5	47.0	49.5	52.4	54.3	55.5	56.4	57.6	58.0	58.3	58.4	58.5	58.7	59.0	59.2	59.7
36.5	48.2	50.8	53.8	55.7	56.9	57.8	59.1	59.5	59.8	59.9	60.0	60.2	60.6	60.7	61.2
38.8	51.2	53.9	57.2	59.2	60.4	61.3	62.6	63.1	63.4	63.5	63.6	63.8	64.2	64.3	64.8
40.9	54.1	57.1	60.4	62.5	63.8	64.8	66.1	66.6	66.9	67.0	67.1	67.3	67.7	67.8	68.4
43.6	57.9	61.1	64.6	66.8	68.2	69.3	70.7	71.2	71.6	71.7	71.8	72.0	72.4	72.5	73.1
44.6	59.4	62.5	66.3	68.6	70.0	71.1	72.6	73.1	73.5	73.6	73.7	73.9	74.3	74.4	75.0
45.9	61.4	64.7	68.7	71.1	72.6	73.7	75.3	75.8	76.2	76.4	76.4	76.7	77.0	77.2	77.7
47.5	64.2	67.9	72.2	74.8	76.4	77.5	79.2	79.8	80.2	80.3	80.4	80.7	81.0	81.2	81.7
48.2	65.6	69.5	73.9	76.7	78.4	79.6	81.3	81.9	82.3	82.5	82.6	82.8	83.2	83.4	83.9
48.5	66.3	70.2	74.8	77.7	79.4	80.6	82.4	83.3	83.4	83.6	83.6	83.9	84.3	84.4	85.0
48.9	67.1	71.2	76.0	79.0	80.7	82.0	83.8	84.5	84.9	85.1	85.1	85.4	85.8	85.9	86.5
49.3	68.1	72.3	77.3	80.5	82.4	83.7	85.6	86.3	86.7	86.9	86.9	87.2	87.6	87.7	88.3
49.5	68.9	73.3	78.5	81.9	83.9	85.4	87.4	88.1	88.5	88.7	88.8	89.0	89.4	89.6	90.2
49.6	69.4	73.7	79.3	82.9	85.0	86.5	88.6	89.4	89.8	90.0	90.1	90.4	90.8	90.9	91.5
49.7	69.8	74.5	80.1	84.0	86.2	87.9	90.2	91.3	91.5	91.7	91.8	92.0	92.4	92.6	93.1
49.7	70.0	74.8	80.8	84.9	87.3	89.0	91.7	92.6	93.1	93.4	93.5	93.7	94.1	94.3	94.8
49.7	70.1	75.0	81.1	85.4	87.9	89.8	92.7	93.8	94.5	94.7	94.8	95.1	95.6	95.7	96.3
49.7	70.1	75.1	81.1	85.6	88.2	90.2	93.4	94.6	95.5	95.9	96.1	96.4	97.0	97.2	98.0
49.7	70.1	75.0	81.1	85.6	88.2	90.2	93.4	94.7	95.7	96.2	96.4	96.9	97.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 65203

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: 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

SKY COVER

72-36

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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 P.		
		0	1	2	3	4	5	6	7	8			9	10
JUN	5-11	1.4	7.4		6.3	4.9	2.2	3.2		7.3	17.2	43.7	7.2	8
	-15	1.2	6.2		5.5	4.1	2.2	3.2		4.6	17.9	46.1	7.4	87
	8-11	3.3	7.5		6.1	3.7	2.7	2.7		5.3	21.0	44.5	7.7	834
	-11	1.7	5.7		5.2	2.5	2.4	3.6		6.2	31.3	36.3	9.1	78
	12-14	1.7	4.7		3.8	7.3	3.7	4.6		5.0	32.4	37.5	9.1	774
	-17	1.5	5.5		3.9	3.4	4.2	5.7		5.5	32.4	24.7	7.9	883
	-2	5.7	3.1		7.1	5.6	4.7	4.7		5.5	15.8	41.3	7.3	884
	3-23	5.6	7.0		5.5	3.7	4.5	4.4		4.2	16.4	44.6	7.2	834
TOTALS		4.3	6.0		5.2	4.0	7.4	4.7		5.6	23.7	41.3	7.5	7.62

SKY COVER

77-24

FEU

[illegible]

U.S. AIR FORCE CLIMATOLOGY BRANCH
U.S. AFMTC
U.S. WEATHER SERVICE/NAO

SKY COVER

4 60100MBL DUNY UK
STATION

77-52

PERIOD

484
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
MAR	3-12	17.3	7.7		6.2	4.5	3.2	4.4		4.7	16.2	37.5	5.4	9.3
	3-15	13.8	5.8		4.5	5.4	3.2	3.6		4.4	15.5	43.5	5.3	7.9
	3-20	4.5	7.5		3.4	4.1	2.2	3.8		6.5	16.8	47.5	7.7	71.3
	3-11	3.5	7.3		4.5	4.2	3.2	5.7		6.2	27.8	36.2	7.6	57.9
	11-14	1.7	3.1		5.1	5.7	3.0	7.7		4.7	31.1	33.7	7.2	77.5
	15-17	2.7	5.2		3.3	4.7	4.4	6.2		10.5	32.1	33.4	7.8	41.1
	11-21	5.2	1.1		4.1	6.2	3.7	6.5		8.7	22.1	32.2	7.1	42.1
	1-23	12.7	10.4		5.4	4.2	4.1	6.6		5.4	15.2	33.7	5.3	71.2
TOTALS		7.7	7.7		4.5	5.2	3.5	5.5		5.8	23.6	36.4	7.2	7.82

SKY COVER

73-6.

424

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

SKY COVER

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.
		0	1	2	3	4	5	6	7	8	9		
1-12	1.0	7.1	9.1	7.1	4.1	7.1	5.1	10.4	5.3	5.4	7.1	7.1	
1-13	7.5	11.1	7.3	7.4	3.5	5.1	5.1	21.5	19.1	5.5	7.1		
1-15	4.4	5.4	7	5.4	4.5	5.5	7.4	31.7	4.5	7.1	7.9		
1-16	3.5	5.9	4.2	5.2	5.5	6.4	14.3	31.3	23.3	7.3	7.1		
1-14	1.5	5.4	1.7	5.1	4.2	5.1	15.3	35.5	11.7	7.5	5.7		
1-17	2.3	5.3	1.5	5.3	5.2	3.5	15.3	3.8	18.3	7.2	7.1		
1-18	2.5	5.2	1.8	6.2	4.2	7.1	12.1	24.1	11.2	5.5	5.1		
1-22	1.3	12.4	1.1	5.3	5.5	5.4	7.5	19.3	3.5	5.1	7.1		
TOTALS	5.1	5.6	6.9	6.1	5.1	6.9	17.4	26.6	13.8	6.5	7.5		

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

STATION 44 DOSCOMB BLVD OF
STATE MASS

77-81

000
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 HOURS
		0	1	2	3	4	5	6	7	8	9	10	
1-31	14.2	12.5			7.1	5.2	3.5	4.0		6.2	28.8	45.7	5.2
2-28	7.8	14.3			5.5	4.7	3.7	5.5		6.0	23.5	27.4	5.4
3-31	5.9	9.7			6.1	5.3	3.7	5.1		1.4	24.6	27.4	7.0
4-30	4.5	5.8			4.1	7.4	6.3	7.9		12.0	32.4	21.6	7.1
5-31	1.5	5.2			4.1	7.1	6.6	9.0		17.7	34.5	17.4	7.3
6-30	1.3	6.1			6.9	7.8	5.5	9.9		13.1	31.6	17.3	7.1
7-31	3.2	6.5			6.9	7.1	7.6	8.4		13.1	25.3	14.7	5.5
8-31	7.7	14.1			5.7	7.7	5.6	5.5		8.5	25.2	27.5	5.7
9-30													
10-31													
11-30													
12-31													
TOTALS		5.0	9.7		5.4	6.5	5.3	7.2		20.2	27.5	11.4	5.7

USAFETAC

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SKY COVER

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MONTH	HOURS EST	PERCENTAGE FREQUENCY OF EXCEEDING THE TALLY COVER										TOTAL PERCENTAGE	TOTAL TALLY	
		0	1	2	3	4	5	6	7	8	9			
JUL	5-10	12.1	11.7		1.0.2	1.1	3.3	2.7		7.5	15.2	14.2	1.1	63
	10-15	1.5	12.3			.5	4.1	4.7		5.1	15.1	13.1	4.7	41
	15-20	4.1	9.3		.7	.4	2.7	5.7		7.1	34.7	14.1	7.1	91
	20-25	2.1	5.7		5.	5.1	5.6	6.1		11.2	31.2	19.1	7.4	120
	25-30	.7	4.7		3.7	5.6	5.7	6.7		14.1	21.6	17.2	7.6	171
	30-35	1.1	3.1		5.1	6.3	7.7	9.7		15.	15.1	13.3	7.3	121
	35-40	2.7	4.2		6.1	6.2	5.2	15.6		15.4	23.7	11.1	1.2	161
	4-23	3.2	1.5		7.8	5.2	1.3	9.4		12.1	24.2	17.1	1.2	161
TOTALS		1.4	2.4		5.3	6.4	5.1	7.6		11.2	31.7	19.2	5.3	712

1. NAME OF STATION
2. ICAO
3. WEATHER SERVICE ZONE

SKY COVER

4. DATE
5. NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LS*	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	
		0	1	2	3	4	5	6	7	8	9	10	11
1-12	1-12	11.5	11.6		7.7	5.2	4.1	3.5		5.1	16.1	19.7	1.1
1-12	1-12	13.6	7.2		5.4	5.6	3.6	4.0		5.1	18.7	19.4	1.1
1-12	1-12	3.7	10.4		5.6	6.1	4.7	5.4		7.7	15.3	15.6	7.1
1-12	1-12	2.1	7.2		5.7	6.7	6.7	9.1		10.2	31.5	11.7	7.1
1-12	1-12	2.2	5.5		3.8	5.5	5.6	1.9		14.1	33.1	17.2	7.3
1-12	1-12	1.8	5.2		4.6	4.3	5.3	1.9		15.2	32.9	17.2	7.3
1-12	1-12	3.6	13.1		7.2	6.4	4.6	8.4		17.1	27.6	17.7	6.7
1-12	1-12	17.1	11.5		5.6	6.2	4.1	5.2		7.5	18.7	15.2	17.1
TOTALS		7.4	2.1		5.3	5.2	5.1	7.4		10.1	15.9	3.7	1.23

1. NAME OF STATION:
 2. LOCATION:
 3. DATE:

SKY COVER

4. NAME OF OBSERVER: _____

5. TIME: _____

6. DATE: _____

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MONTH	HOURS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN PERCENT	TOTAL OBS.
		0	1	2	3	4	5	6	7	8	9	10		
1	01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTALS		0.4	7.0	1.0	1.1	4.0	1.4	1.5	1.3	1.1	1.0	1.0	1.0	1.0

USAFETAC

FORM 10-54 10-54 10-54

REPLACES EDITIONS OF THIS FORM ARE OBSOLETE

1. ALL CLIP THE CLIP HATCH
 2. TAC
 3. WEATHER SERVICE HAD

SKY COVER

4. STATION NAME
 5. MONTH
 6. YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL PERCENTAGE	TOTAL OCCURRENCES
		0	1	2	3	4	5	6	7	8	9		
1-12	1-12	4.2	1.0	5.7	7.6	8.5	4.0	5.7	17.5	15.1	1.1	49.1	10
1-12	1-12	4.2	1.0	5.7	4.2	5.0	4.2	5.7	16.5	22.4	1.7	50.1	10
1-12	1-12	4.2	1.0	5.7	8.7	8.7	4.2	5.1	17.5	25.6	7.4	69.1	10
1-12	1-12	1.5	1.5	5.7	4.2	3.7	1.7	8.6	13.7	21.2	7.5	62.1	10
1-12	1-12	6	7.3	2.4	5.7	3.4	6.7	5.7	1.3	2.0	7.5	46	10
1-12	1-12	1.2	3.4	4.2	4.5	4.4	6.7	2.3	2.3	2.3	7.5	53	10
1-12	1-12	1.5	7.3	5.7	4.5	4.5	6.6	7.7	22.4	34.2	7.1	89.1	10
1-12	1-12	10.7	7.3	6.9	6.7	4.2	4.7	5.3	1.3	23.0	1.6	55	10
TOTALS		1.7	1.1	5.6	4.9	2.7	5.1	6.7	14.3	3.5	7.2	71.2	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
211 FATHER SERVICE/AC

SKY COVER

40 10 COMPOUND UP
STATION

77-P

010
WIND

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										TOTAL PERCENTAGE	TOTAL OCCURRENCE
		0	1	2	3	4	5	6	7	8	9		
1-11	1-11	10.0	6.7		4.4	4.0	1.7	4.0		5.6	18.3	42.4	7.1
12-15	12-15	10.0	4.0		3.0	3.7	2.0	3.0		5.0	2.0	43.3	7.3
16-18	16-18	1.3	5.0		4.7	3.7	2.1	3.0		1.7	27.9	44.0	7.7
19-21	19-21	2.4	1.0		4.0	4.7	2.4	1.7		1.0	30.5	43.7	7.5
22-24	22-24	2.4	3.0		5.0	3.0	3.2	4.0		2.4	12.7	42.0	7.7
25-27	25-27	1.0	7.3		4.0	4.1	3.0	5.0		10.7	2.3	43.3	7.7
28-2	28-2	5.3	7.6		3.0	4.5	4.5	4.7		5.0	12.0	42.0	7.5
3-23	3-23	7.7	7.6		5.5	5.2	3.0	4.1		6.7	18.5	41.2	7.2
TOTALS		5.1	7.1		4.5	4.1	3.2	4.2		6.6	25.2	42.1	7.5

USAFETAC

FORM 0.9.5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
 4. WEATHER SERVICE/FAO

SKY COVER

STATION: 4. 00000000 00000000
 STATION NAME: 00000000 00000000

PERIOD: 00000000 00000000

ALL MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL OBSERVATIONS
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	4.0	6.7		5.2	4.0	7.4	4.0		6.6	23.7	4.0	7.0
FEB		7.0	5.7		4.7	3.4	2.0	3.0		6.0	2.0	4.4	7.6
MAR		7.7	7.0		4.5	5.0	3.0	5.5		6.0	20.5	5.4	7.2
APR		0.2	7.0		5.0	6.1	4.0	6.4		3.0	7.1	4.7	5.7
MAY		0.0	5.0		5.0	6.1	5.0	6.0		1.0	26.6	3.6	6.0
JUN		0.6	4.7		5.4	6.5	5.3	7.2		1.2	27.5	3.4	6.7
JUL		4.4	7.4		5.3	6.4	5.1	7.6		11.2	31.7	10.0	6.9
AUG		0.5	7.7		7.6	6.7	5.0	6.5		9.7	25.4	10.5	6.3
SEP		7.4	0.0		5.3	5.0	5.0	7.4		9.6	5.5	3.7	6.7
OCT		0.4	7.4		7.9	5.1	4.0	5.4		8.8	26.3	11.0	7.2
NOV		0.7	3.0		5.6	4.9	3.7	5.0		6.0	24.6	13.4	7.1
DEC		0.1	7.1		4.5	4.1	3.2	4.2		6.6	25.2	10.1	7.5
TOTALS		0.6	8.0		5.0	5.4	4.3	5.0		6.5	25.6	10.9	7.0

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

- a. Daily maximum temperatures DATA NOT AVAILABLE
- b. Daily minimum temperatures DATA NOT AVAILABLE
- c. Daily mean temperatures

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

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

- a. Extreme maximum temperature DATA NOT AVAILABLE
- b. Extreme minimum temperature

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

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

Values for mean and standard deviation do not include measurements for months with no data.

Continued on Reverse

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

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

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means ($\bar{X}$), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.

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

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

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

PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

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STATION

STATION NAME

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

PAGE 1 1000-0200

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														
55/ 51	.2	.9	.1															11	11	4	2														
57/ 49	.5	3.0	.2	.1														34	34	25	12														
45/ 47	1.5	4.2	1.7		.1													56	56	79	34														
45/ 45	2.5	6.8	.8															69	69	76	57														
44/ 43	1.8	4.8	.7	.1														65	65	98	57														
42/ 41	2.5	6.6	.8	.2														72	72	63	100														
41/ 39	1.9	5.2	.2															55	65	84	52														
39/ 37	2.4	6.0	.3	.1														78	78	73	74														
36/ 35	2.1	9.0	.6															102	102	93	61														
34/ 33	3.0	5.1	.2															73	73	99	115														
31/ 31	2.8	4.4	.5	.1														69	69	82	83														
30/ 29	2.3	2.8	.5															49	49	48	73														
28/ 27	3.3	2.1	.2															49	49	54	49														
26/ 25	.7	.8																13	13	23	32														
24/ 23	.1	.8																8	9	9	25														
22/ 21	.3	.3																6	6	10	14														
20/ 19	.5	.1																5	5	5	11														
18/ 17	.3	.1																4	4	4	9														
16/ 15																					7														
14/ 13																					1														
TOTAL	29.2	63.2	6.8	.7	.1													878	878		878														

Element (X)	Σx^1	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	7186139	79119	90.1	8.027	878	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1316376	33440	38.1	6.983	878		21.5					93
Wet Bulb	1242184	32476	37.0	6.833	878		24.9					93
Dew Point	1148200	31086	35.4	7.366	878		32.2					93

PSYCHROMETRIC SUMMARY

337463 505COMBE DOWV JK

73-82

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PAGE 1 1500-1700

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	Wet Bulb - Dew Point	Dew Point -														
52/ 51	.2	1.0	.8	.1														19	19	2	2														
50/ 49	.3	1.8	1.4															31	31	19	9														
48/ 47	1.1	6.8	3.5	.3	.2													105	105	59	20														
46/ 45	1.0	8.5	3.4	.8														121	121	98	54														
44/ 43	2.4	7.1	4.0	.8														126	126	119	77														
42/ 41	1.1	7.0	4.4	.7	.1													118	118	91	141														
40/ 39	.1	4.1	1.5	.6														55	55	91	59														
38/ 37	1.9	6.7	2.5	.3														101	101	90	92														
36/ 35	.3	5.2	1.4	.1														62	62	85	70														
34/ 33	1.6	4.1	1.1															60	60	93	81														
32/ 31	.8	2.6	.6															35	35	71	76														
30/ 29	.5	1.5	.7															23	23	79	71														
28/ 27	.5	.7	.2															12	12	10	66														
26/ 25	.7	.6																11	11	18	49														
24/ 23		.2																2	2	5	13														
22/ 21																				2	6														
20/ 19	.1																	1	1	1	15														
18/ 17																					5														
TOTAL	10.7	57.9	25.4	3.7	.3													883	883	963	963														
																		883		883															

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_a	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6341305	74305	64.210	0.017	883	$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	
Dry Bulb	1506232	36086	40.9	5.975	883		9.8					93
Wet Bulb	1368285	34367	38.9	5.899	883		14.3					93
Dew Point	1205428	32074	36.3	5.766	883		28.5					93

PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

F F 3

STATION

STATION NAME

YEARS

PAGE 1 7300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
57/49			.8															7	7	6															
48/47	1.4	3.4	.1															41	41	21	18														
46/45	1.4	4.7	.4															54	54	52	50														
44/43	2.5	6.5	.1															76	76	57	48														
42/41	4.3	15.4	.4															125	125	92	103														
41/39	2.2	5.2	.2															63	63	82	72														
38/37	2.7	4.2	.2															59	59	57	68														
36/35	1.7	5.3	.4															61	61	56	46														
34/33	6.4	7.6	.7															122	122	107	79														
32/31	2.5	5.5	.1															58	69	119	76														
30/29	1.8	5.5	.2															63	63	61	92														
28/27	4.2	3.0																60	60	59	85														
26/25	1.3	1.0																19	19	21	40														
24/23	.4	.4																6	6	11	31														
22/21																				3	10														
20/19	.4																	3	3	3	5														
18/17	.1	.2																3	3	3	1														
16/15																					4														
14/13																					2														
TOTAL	33.46	3.7	2.9															930	930	830	930														

PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-82

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STATION

STATION NAME

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PAGE 1 7900-1100

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PSYCHROMETRIC SUMMARY

037462 BOSCOMBE DOWN JK

73-62

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STATION NAME

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PAGE 1

1200-1440

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

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PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1070-2000

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														
51/ 49	.1	1.7	.4															18	18	8	1														
48/ 47	1.2	4.8	.4															53	53	40	18														
46/ 45	1.7	11.3	.5	.1														113	113	82	64														
44/ 43	1.4	7.2	2.4	.2														94	94	170	69														
42/ 41	1.3	14.0	4.1															161	162	70	121														
40/ 39	.1	5.3	.8															52	52	113	57														
38/ 37	1.2	7.0	2.5	.1														90	90	83	74														
36/ 35	.5	4.6	1.7															57	57	78	61														
34/ 33	1.9	7.2	1.8	.1														92	92	84	86														
32/ 31	.2	4.5	.8															46	46	94	55														
30/ 29	.6	2.9	.7															35	35	43	75														
28/ 27	.7	.7	.1															13	13	19	93														
26/ 25	.2	.4																5	5	15	25														
24/ 23		.1																1	1	3	12														
22/ 21																					2														
20/ 19																					7														
18/ 17																					10														
TOTAL	11.4	71.7	16.3	.5														830	831	830															

PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YFARS

PAGE 1 2100-2800

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														
50/ 49	.2	1.4																14	14	12	2														
48/ 47	.5	3.9	.2															40	47	17	16														
46/ 45	2.4	8.7	.5															97	97	84	56														
44/ 43	1.4	7.1	1.1	.2														92	82	81	60														
42/ 41	4.2	8.9	1.5															122	122	97	125														
40/ 39	1.5	5.7	1.1															70	70	69	64														
38/ 37	2.5	7.7	1.2	.1														97	97	81	61														
36/ 35	1.0	6.9	.2															68	68	92	62														
34/ 33	2.6	6.2	1.8															89	89	87	98														
32/ 31	.6	6.3	.4															61	61	95	55														
30/ 29	.7	5.6	.2															55	55	57	79														
28/ 27	1.8	1.4	.4															30	30	35	33														
26/ 25		.4																3	3	6	43														
24/ 23		.6																5	5	3	11														
22/ 21	.1	.2																3	3	6	5														
20/ 19																				2	9														
18/ 17																					3														
16/ 15																					3														
TOTAL	19.97	1.2	8.6	.4															836	936	636	836													

PSYCHROMETRIC SUMMARY

73-32

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STATION

STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

73-62

485

STATION

STATION NAME

VEARS

PAGE 1 00-0-0000

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 F.														
51 / 51		1.3	.3															15	15	9															
49 / 49	1.1	1.1	.3															23	23	20	19														
47 / 47	1.0	2.9	.2															37	37	73	19														
45 / 45	2.0	4.3	.3	.1														61	61	51	55														
43 / 43	1.1	5.6	.7															67	67	52	34														
41 / 41	3.6	12.6	1.2															158	158	97	111														
39 / 39	2.4	7.7	1.4	.1														106	106	111	91														
37 / 37	3.1	5.7	1.9															97	97	115	83														
35 / 35	2.0	8.0	.6															95	95	97	85														
33 / 33	3.6	5.4	.6															87	87	116	101														
31 / 31	1.7	4.9	.1															60	60	96	86														
29 / 29	1.3	4.9	.1															57	58	55	86														
27 / 27	1.8	1.3	.1															29	29	36	68														
25 / 25	.4	.3																11	11	13	33														
23 / 23	.1	.1																2	2	4	24														
21 / 21																					9														
19 / 19																					1														
TOTAL	25.3	66.6	7.8	.2														905	906	905	905														

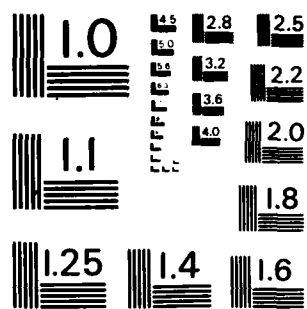
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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

037463 BOSCOMBE JOHN JK

73-82

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STATION

STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

037462 BOSCOMBE DOWN UK

73-82

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STATION	STATION NAME
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YEARS

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PSYCHROMETRIC SUMMARY

037460 BOSCOMBE JOHN JK

73-82

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YEARS

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PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

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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														
59/ 59			.1															1	1																
58/ 57			.2															4	4																
56/ 55	.1	.2	.3	.5	.2													12	12	2	1														
54/ 53	.1	.1	.3	.6	.7	.2												18	18	5	2														
52/ 51		1.7	1.2	.5	1.4	.1												43	43	7	3														
50/ 49	1.2	2.0	2.8	1.2	.5	.2												71	71	39	17														
48/ 47	.8	5.3	2.4	1.0	.2													96	86	63	33														
46/ 45	.5	8.7	6.2	2.5	.3													151	161	117	63														
44/ 43	.2	7.3	6.5	2.1	.1													145	145	123	80														
42/ 41	1.1	6.7	5.6	1.9	.7	.1												143	143	128	119														
40/ 39	.1	4.7	3.5	.8	.1													73	73	120	86														
38/ 37	.3	2.5	1.9	.2	.2													46	46	102	101														
36/ 35	.1	2.6	.3															27	27	70	88														
34/ 33	.5	3.2	.2															34	34	58	92														
32/ 31	.3	1.6																17	17	45	67														
30/ 29		.2																2	2	4	77														
28/ 27		.2	.1															3	3	1	31														
26/ 25																				2	7														
24/ 23																					9														
22/ 21																					3														
20/ 19																					4														
18/ 17																					1														
16/ 15																					1														
14/ 13																					1														
TOTAL	5.4	47.1	50.9	11.5	4.4	.7													886		886														
																		996		686															

PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN UK

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STATION NAME

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

037463 BOSCOMBE JOMV JK

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STATION

STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

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STATION	STATION NAME

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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STATION	STATION NAME

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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STATION NAME

YEARS

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PSYCHROMETRIC SUMMARY

037467	BOSCOMBE DOWN UK
STATION	STATION NAME

73-82

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
84/ 83										.1			.1					2	2																		
82/ 81									.1			.1						3	3																		
80/ 79						.1	.1	.1	.2				.1					5	5																		
78/ 77						.1	.7	.3	.1	.1	.5	.3						19	19																		
76/ 75					.1	.3	.2	.3	.2	.3	.1							15	15																		
74/ 73			.1	.5	.2	.9	.2	.8	.3	.6								32	32																		
72/ 71				.5	1.7	.5	.6	.3	.5									35	35																		
70/ 69			.6	.3	1.4	1.4	.5	.5		.1								41	41	3																	
68/ 67		.1	.8	1.2	1.5	1.1	.7	.2										50	50	7	1																
66/ 65		.6	2.3	1.9	1.9	1.4	.6	.1										77	77	33	2																
64/ 63		2.4	4.1	6.5	4.3	.6	.5											161	161	57	20																
62/ 61	.5	3.2	4.4	2.3	1.7	.9	.1											115	115	37	32																
60/ 59	.7	6.5	6.9	4.3	.9	.1												171	171	145	112																
58/ 57		3.5	2.7	1.4	.1													66	66	195	93																
56/ 55	.5	3.2	2.2	.6														56	56	184	134																
54/ 53	.3	1.1	.5	.3														20	20	106	112																
52/ 51		.6	.3															8	9	55	138																
50/ 49		.1	.1															2	2	14	79																
48/ 47																				4	68																
46/ 45																				1	35																
44/ 43																					31																
42/ 41																					16																
40/ 39																					3																
38/ 37																					2																
36/ 35																					2																
32/ 31																					1																
TOTAL	1.9	21.2	25.0	19.8	13.3	7.4	4.1	2.8	1.4	1.4	.5	.5	.2					881	881	691	981																

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4839246	637600	72.4	15.983	881	$\leq 0^\circ\text{F}$	$\leq 32^\circ\text{F}$	$\leq 67^\circ\text{F}$	$\leq 73^\circ\text{F}$	$\leq 80^\circ\text{F}$	$\leq 93^\circ\text{F}$	
Dry Bulb	3540150	556034	63.1	5.909	881			21.4	9.1	1.2		93
Wet Bulb	2933791	50727	57.6	3.842	881			1.1				93
Dew Point	257853	46977	53.3	5.104	881			.1	.1			93

PSYCHROMETRIC SUMMARY

037463	BOSCOMBE DOWN JK
STATION	STAT

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
75/ 77							.2											2		2														
75/ 75						.1		.1										2		2														
74/ 73						.2		.2		.1								5		5														
72/ 71			.1		.2		.1		.2									6		6														
73/ 69			.2	.2	.1		.1	.3										9		9														
69/ 67			.5	.1	.4	.3	.2											15	15		2													
66/ 55		.4	1.0	.7	.2	.6	.6											31	31		2													
64/ 53		3.3	2.0	1.5	.7	1.0												75	75	22	8													
62/ 51	.2	5.2	2.6	1.5	.9	.1												93	93	54	26													
60/ 59	2.7	11.4	6.5	2.4	1.1	.4												219	219	116	109													
58/ 57	1.0	10.1	3.7	.4	.2													138	138	149	93													
56/ 55	1.9	8.4	2.8	1.0	.1													127	127	193	149													
54/ 53	.9	4.8	2.4	.4														76	76	155	115													
52/ 51	.8	4.5	1.3															59	60	96	136													
50/ 49	.1	1.8	1.1															27	27	64	89													
48/ 47		.9																8	8	34	68													
46/ 45																				4	70													
44/ 43																					18													
42/ 41																					9													
TOTAL	7.65	30.82	4.3	8.2	4.0	2.8	1.2	.7	.2	.1								892	893	892	892													

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PSYCHROMETRIC SUMMARY

STATION	STATION NAME
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73-02

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 53	.1	.5																5	5	1	1														
62/ 51	.1	1.5																14	14	5	4														
60/ 50	7.3	5.0	1.1															53	53	50	49														
58/ 50	2.2	5.0	.5	.1														55	55	50	55														
56/ 55	5.5	7.0	.7	.5														121	121	99	92														
54/ 53	1.2	5.9	.8	.2														72	72	94	70														
52/ 51	4.7	6.6	2.0															117	117	108	97														
50/ 49	2.2	6.7	1.0															105	105	118	82														
48/ 47	4.2	5.5	.2															95	95	117	115														
46/ 45	3.5	5.1	.3															79	79	90	144														
44/ 43	2.4	5.3																58	68	57	54														
42/ 41	1.0	3.1																36	36	51	72														
40/ 39	.1	.7																7	7	14	26														
38/ 37	.3	.3																6	5	9	12														
36/ 35	.3	.1																4	4	5	5														
34/ 33																				1	2														
32/ 31																					1														
TOTAL	31.2	61.3	6.7	.8														881	881	881	881														

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7691372	92134	93.2	6.204	981	$\leq 0^\circ\text{F}$	$+ 32^\circ\text{F}$	$+ 67^\circ\text{F}$	$+ 73^\circ\text{F}$	$+ 80^\circ\text{F}$	$+ 93^\circ\text{F}$	
Dry Bulb	2330365	45755	51.1	5.458	981							92
Wet Bulb	2239541	44157	50.1	5.470	881							92
Dew Point	2167599	43411	49.3	5.694	881			.1				92

PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

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Abstract

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point										
64/ 53			.8																			7	7												
62/ 54		.2	2.2	.3																		24	24	11	6										
60/ 55	2.5	6.6	.8	.1	.1																	89	89	49	49										
58/ 57	2.5	7.9	1.6																			105	105	78	61										
56/ 55	3.7	5.4	2.3	.3																		102	102	177	103										
54/ 52	2.3	6.8	1.6																			93	93	124	76										
52/ 51	3.5	7.1	2.2	.2																		113	113	177	97										
50/ 49	2.5	5.5	1.4																			83	83	119	96										
48/ 47	3.7	5.3	.3																			85	85	93	107										
46/ 45	2.1	7.5	.2																			86	86	83	104										
44/ 43	1.6	2.8																				38	38	65	61										
42/ 41	1.2	2.6																				33	33	35	78										
40/ 39	.1	.3																				4	4	11	17										
38/ 37	.1	.1																				2	2	4	8										
36/ 35	.3	.1																				4	4	5	3										
34/ 33																									2										
TOTAL	24.5	61.3	11.3	.7	.1																	868	868	868	868										

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7383838	79926	92.3	7.010	968	+ 0 F	+ 32 F	67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	2374539	45157	52.3	5.400	868							90
Wet Bulb	2264684	44092	50.8	5.363	868							90
Dew Point	2176811	43195	49.8	5.608	868							90

PSYCHROMETRIC SUMMARY

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PAGE 1 1200-1400

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														
65/ 79							.3	.1	.1									5	5																
78/ 77						.2	.1	.6	.1									9	9																
76/ 75					.2	.3	.1	.1										7	7																
74/ 73				.2	.5	.3	.1	.3	.5									17	17																
72/ 71				.2	.5	.2	.9	.3	.2									21	21																
70/ 69				.2	.8	2.5	.8	.8										45	45																
68/ 67			.6	.7	3.3	1.5	1.5	.2										55	65	8															
66/ 65		.3	1.5	2.1	2.3	1.3	.7	.1										73	73	13															
64/ 63	.2	1.9	1.9	7.2	4.5	5.7	.5											192	192	37	11														
62/ 61		1.5	3.4	1.9	3.5	.8	.2											100	100	71	27														
60/ 59	.1	2.2	3.5	6.3	3.3	1.0	.5											148	148	120	55														
58/ 57	.2	3.2	1.7	2.1	2.1	.5												55	85	140	57														
56/ 55	.1	1.7	.7	1.7	1.4	.2												51	51	156	100														
54/ 53		1.3	.5	1.4	.7													31	31	150	104														
52/ 51	.2	.3	1.4	.1														18	18	71	114														
50/ 49		.3	.2															5	5	52	66														
48/ 47		.5	.2															6	5	45	69														
46/ 45																				11	130														
44/ 43																					62														
42/ 41																					35														
40/ 39																					15														
38/ 37																					5														
36/ 35																					3														
TOTAL	.9	13.0	15.7	24.1	22.4	4.3	5.7	2.6	1.0									875	875	575	875														
																		875		575															

PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN UK

73-82

SEP

STATION

STATION NAME

YEARS

PAGE 1 2100-2300

2250 2250

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
66/ 55		.3	.1	.1	.2													7	7													
64/ 63	.1	.8	.8	.2		.1												18	18	5	5											
62/ 61	.8	3.0	1.0															42	42	19	11											
60/ 59	1.7	7.6	2.4	1.0	.3													115	115	71	57											
58/ 57	1.4	6.5	1.4	1.7														96	96	68	60											
56/ 55	2.1	10.8	2.6	.7	.1													143	143	98	82											
54/ 53	1.5	7.9	3.0	.6														113	113	152	100											
52/ 51	1.3	7.2	2.4	.1														171	101	123	121											
50/ 49	.5	5.9	2.1	.1														78	78	117	85											
48/ 47	.9	6.9	1.5	.5														86	86	76	106											
46/ 45	.2	5.5	.6															55	55	91	114											
44/ 43	.6	.6	.2															12	12	40	60											
42/ 41	.2	.8																9	9	12	57											
40/ 39	.1	.2																3	3	4	10											
38/ 37																				2	9											
36/ 35																					1											
TOTAL	12.2	64.0	16.0	5.0	.7	.1												878		878	978											

PSYCHROMETRIC SUMMARY

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STATION

STATION NAME

YEARS

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[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

037450 BOSCOMBE DOWN JK

73-82

OCT

STATION

STATION NAME

YEARS

PAGE 1

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
64/ 53		.1																1		1															
62/ 51		.7		.1														7		7		3	1												
60/ 50	.2	1.1	.1															13		13		9	10												
58/ 50	.4	1.8	.1															22		22		15	9												
56/ 55	1.7	4.8	.2															62		62		43	31												
54/ 53	2.3	5.3	1.0															91		81		74	70												
52/ 51	3.0	5.1	.5															80		80		79	73												
50/ 49	3.2	6.9	1.2															103		103		95	78												
48/ 47	3.9	7.3	.7															109		109		117	102												
46/ 45	3.3	10.2	.7															130		130		100	126												
44/ 43	3.0	6.2	.4															89		89		120	84												
42/ 41	3.3	7.0	1.1	.1														105		106		92	134												
40/ 39	1.3	3.3	.2															44		44		60	58												
38/ 37	1.3	2.4																34		34		58	49												
36/ 35	.5	2.4	.1															28		28		30	40												
34/ 33	.5	.4																9		9		20	38												
32/ 31	.1	.1																2		2		4	13												
30/ 29																							2												
28/ 27																																			
TOTAL	29.7	64.7	6.3	.2														919		920		919													

Element (X)	ΣX	ΣX^2	$\bar{X}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7909182	85356	92.6	6.350	919	> 0 F	> 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Dry Bulb	2365750	43250	47.0	5.950	920		2					93
Wet Bulb	1975743	42259	46.0	5.952	919		8					93
Dew Point	1897100	41354	45.0	6.281	919		1.6					93

PSYCHROMETRIC SUMMARY

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YEARS

USAFETAC FORM 0 26 3 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUN 71

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

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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	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point												
54/ 53				.1														1					1																
57/ 51			.3															3					3																
67/ 55	.7	.8																15	15		11	10	15	15	11	10													
54/ 57	.5	2.0	.1	.1														25	25		11	9	25	25	11	9													
57/ 55	5.2	5.6	1.0															80	80		39	36	80	80	39	36													
54/ 53	1.5	4.8	.5															64	64		92	48	64	64	92	48													
57/ 51	7.5	6.4	1.0															91	91		92	64	91	91	92	64													
57/ 49	2.0	5.6	1.3															81	61		47	74	81	61	47	74													
47/ 47	4.5	7.9	.1	.1														116	116		120	109	116	116	120	109													
47/ 45	1.9	14.3	1.9															164	164		113	113	164	164	113	113													
44/ 43	2.5	7.1	1.1	.1														94	94		124	113	94	94	124	113													
42/ 41	1.4	8.8	1.5	.2														109	109		90	118	109	109	90	118													
47/ 39	.5	2.7																39	39		67	61	39	39	67	61													
37/ 37	.9	.9	.1															17	17		54	58	17	17	54	58													
35/ 35	1.0																	9	9		13	40	9	9	13	40													
34/ 33	.2																	2	2		7	19	2	2	7	19													
32/ 31																																							
29/ 29																																							
TOTAL	21.2	269.2	8.7	.9														910			910	910	910			910													

Element (X)	Σx^1	Σx	$\bar{x}$	s_x^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7586351	82843	91.7	7.007	910	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	2090577	43341	47.6	5.385	910							93
Wet Bulb	1984817	42203	46.4	5.507	910							93
Dew Point	1889604	41100	45.2	6.355	910		1.4					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK

73-62

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STATION

STATION NAME

YEARS

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
74/ 73																																4	4		
72/ 71																																3	3		
71/ 59																																1	1		
68/ 57																																5	5		
66/ 65																																10	10		
64/ 63																																98	88		
62/ 61																																111	111		
60/ 59																																352	352		
58/ 57																																364	364		
56/ 55																																594	594		
54/ 53																																583	584		
52/ 51																																909	909		
50/ 49																																723	723		
48/ 47																																900	900		
46/ 45																																909	909		
44/ 43																																526	526		
42/ 41																																557	558		
40/ 39																																198	198		
38/ 37																																155	155		
36/ 35																																96	96		
34/ 33																																60	60		
32/ 31																																21	21		
30/ 29																																8	8		
28/ 27																																1	1		
TOTAL	19.9	52.2	17.1	7.5	2.6	.5	.2																									7278	7280		
																																	7278		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	56237141	534277	87.1	1.305	7278	$\leq 0 F$	$+ 32 F$	$+ 67 F$	$+ 73 F$	$+ 80 F$	$+ 93 F$	
Dry Bulb	17962006	358676	49.3	6.318	7280			3.1	1.3	.4		744
Wet Bulb	16545592	344304	47.3	5.860	7278			3.9				744
Dew Point	15310626	330636	45.4	6.313	7278			15.0				744

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USAFETAC

PSYCHROMETRIC SUMMARY

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STAY ON

STATION NAME

YEARS

2000

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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														
55/ 57	.2	.3																5	5	2	2														
56/ 55	1.5	2.6	.2															38	38	22	16														
57/ 53	1.2	4.6	.5															56	56	50	34														
52/ 51	1.5	5.3	.5															65	65	50	42														
57/ 47	1.7	3.4	1.7															60	60	63	58														
44/ 47	2.1	5.1	.5	.1														70	70	66	58														
46/ 45	1.3	5.9	.8															58	68	75	71														
44/ 43	1.5	5.3	1.4	.1														74	74	52	65														
42/ 41	2.8	6.8	1.8															110	110	80	91														
47/ 39	1.7	6.9	.5															81	81	88	53														
38/ 37	2.3	2.9	1.1															56	56	93	84														
36/ 35	1.8	4.4	.1															56	56	58	72														
34/ 33	2.5	4.2	.3															62	62	53	64														
32/ 31	1.2	2.9	.2															39	39	54	53														
30/ 29	1.5	2.1																32	32	43	49														
28/ 27	.8	.6																12	12	11	39														
26/ 25	.1																	1	1	5	17														
24/ 23																					5														
22/ 21																					2														
TOTAL	25.76	3.4	9.7	.2														385	385	695	885														

Element (X)	Σx'	Σx	Σ	σs	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7321751	80217	90.6	7.583	885	≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	1664715	37825	42.7	7.378	885		8.5					90
Wet Bulb	1575744	36776	41.6	7.332	885		11.5					90
Dew Point	1492638	35558	40.2	7.814	885		17.3					90

PSYCHROMETRIC SUMMARY

037463 505COMBE DOWN JK

73-82

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STATION

STATION NAME

YEARS

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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											
67/ 59		.3	.4																		7	7													
59/ 57	.2	1.2	.1																		14	14	5	2											
56/ 55	1.7	3.9	1.2	.1																	62	62	50	24											
54/ 53	1.7	3.3	1.9	.2																	63	63	56	42											
52/ 51	1.3	5.5	2.5	.1	.1																82	82	59	48											
50/ 49	.3	3.1	2.2	.3																	54	54	74	48											
48/ 47	2.4	4.8	2.2	.3																	87	87	75	81											
46/ 45	1.8	6.7	3.1	.3																	107	107	91	78											
44/ 43	.6	3.9	2.5	.3																	65	65	75	62											
42/ 41	1.7	8.3	2.8	.3																	117	118	71	95											
40/ 39	.5	3.6	1.1	.1																	48	48	90	71											
38/ 37	1.2	3.0	2.0																		56	56	69	80											
36/ 35	.8	2.6	1.1																		40	40	53	44											
34/ 33	.8	3.0	.6																		39	39	55	65											
32/ 31	.8	1.5	.1																		21	21	39	33											
30/ 29	.5	1.7																			20	20	27	45											
28/ 27	.4	.1																			5	5	7	55											
26/ 25	.2																				2	2	3	12											
24/ 23	.1																				1	1	1	5											
TOTAL	16.9	56.7	24.0	2.2	.1																	890	891	890											

PSYCHROMETRIC SUMMARY

NDV

PAGE 1 1500-1700

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
52/ 51									.1																								1	1		
52/ 59				.6	.4				.1																							10	10			
59/ 57	.3	1.8	.6		.2																												26	26	8	5
56/ 55	1.0	4.5	1.3	.1																												62	62	31	15	
54/ 53	.2	3.4	2.1	.7																												57	57	60	39	
52/ 51	.8	4.9	3.5	.1																												83	83	55	55	
50/ 49	.7	3.7	3.5	.1																												71	71	84	39	
48/ 47	1.9	5.4	3.7	1.5	.2																											113	113	91	78	
46/ 45	.2	6.1	4.9	2.5	.1																											123	123	97	90	
44/ 43	.4	3.7	4.9	1.3																												93	93	90	60	
42/ 41	.3	4.9	4.9	.9	.1																											100	100	91	109	
40/ 39	.5	3.9	1.5	.5																												58	59	99	59	
38/ 37	1.1	1.7	1.2	.6																												41	41	94	75	
36/ 35	.2	.9	1.5																													23	23	40	77	
34/ 33	.9	.9	.7																													22	22	39	80	
32/ 31	.2	.6																														7	7	28	32	
30/ 29																																			3	23
28/ 27																																				32
26/ 25																																				15
24/ 23																																				8
TOTAL	9.0	47.0	34.8	8.5	.7																												890	890	890	890

Element (X)	Σ x ¹	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6139227	73287	82.3	10.837	890	≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	1943934	41232	46.3	6.160	890		.7					20
Wet Bulb	1752707	39089	43.9	6.356	890		3.1					90
Dew Point	1555757	36587	41.1	7.626	890		11.1					90

PSYCHROMETRIC SUMMARY

NDV
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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/ 57			.3															3		3															
54/ 55	1.3	2.5	.2															36	36	15	13														
54/ 53	1.0	3.8	.8		.1													51	51	42	23														
52/ 51	1.8	3.9	1.8															57	67	52	45														
51/ 49	1.5	2.5	1.0	.1														46	46	60	51														
47/ 47	2.2	5.2	.6	.1														72	72	59	56														
46/ 45	1.8	7.2	1.2															91	91	87	76														
44/ 43	1.1	4.6	1.5	.1														67	65	64	66														
42/ 41	1.7	10.8	1.1	.4														125	125	67	90														
40/ 39	1.0	8.0	.9															88	89	95	64														
38/ 37	2.1	4.0	.9	.1														64	64	102	85														
37/ 35	1.0	4.8	.3	.1														56	56	61	84														
34/ 33	1.7	3.5	.7															52	52	69	69														
32/ 31	.6	3.0	.2															34	34	54	44														
30/ 29	.4	2.0																22	22	34	52														
28/ 27	1.3	.6																17	17	18	44														
26/ 25	.1																	1	1	1	20														
24/ 23																					7														
TOTAL	20.9	66.7	11.2	1.1																890	890														
																		890		890															

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7169883	79577	89.4	7.845	890	- 0 F	- 32 F	- 67 F	- 73 F	- 80 F	- 93 F	
Dry Bulb	1674433	38029	42.7	7.153	890		7.5					90
Wet Bulb	1569379	36833	41.4	7.117	890		10.8					90
Dew Point	1462067	35427	39.8	7.539	890		15.9					90

PSYCHROMETRIC SUMMARY

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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													
50 / 55			.4															4	4	4														
49 / 53		1.5	.3	.1														13	13	4	4													
48 / 51	1.0	3.1	.3															40	40	10	16													
47 / 49	.4	4.9	.8	.1														57	57	51	33													
46 / 47	.9	5.1	.5	.1														61	61	53	48													
45 / 45	2.6	7.5	.3	.1														101	101	87	82													
44 / 43	1.5	2.9	1.0															49	49	78	74													
42 / 41	1.7	8.1	1.2															101	101	57	57													
41 / 39	2.3	5.0	.3															67	67	97	67													
38 / 37	2.8	5.5	1.1															86	86	90	81													
36 / 35	3.2	5.2	.3															80	80	91	84													
34 / 33	4.3	4.5	.4															92	92	94	90													
32 / 31	1.5	4.5	.1															57	57	74	73													
31 / 29	1.9	3.4	.1															49	49	55	67													
29 / 27	1.9	1.6	.1															33	33	37	61													
27 / 25	1.0	.4																13	13	16	22													
24 / 23	1.0	.1																10	10	12	25													
22 / 21	.3																	3	3	4	8													
21 / 19	.1																	1	1	1	5													
19 / 17																					3													
16 / 15	.1	.1																2	2	2	1													
14 / 13		.1																1	1	1	1													
12 / 11																					1													
11 / 9																					1													
TOTAL	22.164.0	7.4	.4															915	915	915	915													

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

027460 BOSCOMBE DOWN UK

73-82

DEC

STATION

STATION NAME

YEARS

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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													
50/55			1.1															10	10															
49/53		.1	1.1															11	11	15	5													
48/51		.3	2.3	.8														28	28	15	15													
47/49		.5	2.7	.4														34	34	33	17													
46/47	1.9	4.3	.1															57	57	53	42													
45/45	2.5	9.3	1.5															122	123	88	52													
44/43	1.1	5.8	.8															70	70	74	62													
42/41	2.2	7.3	.9															93	93	91	109													
41/39	1.6	4.3	.7															60	60	61	50													
39/37	3.9	4.3	.7															79	79	88	73													
36/35	1.7	5.7	.4															72	72	61	63													
34/33	3.9	5.1																83	83	115	74													
33/31	2.5	4.3	.1															63	63	83	88													
31/29	2.4	2.4																44	44	48	52													
28/27	2.3	2.1																37	37	31	45													
26/25	.8	.5																12	12	20	20													
24/23	2.3	.9																29	29	24	26													
22/21	.2	.2																4	4	9	26													
21/19	.1	.1																2	2	3	8													
19/17	.1																	1	1	2	1													
16/15	.3																	3	3	3	4													
14/13		.1																1	1	1	4													
12/11																					1													
TOTAL	30.4	3.3	6.3															915	915	915	915													

Element (X)	ΣX^2	ΣX	$\bar{X}$	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7521794	83258	91.3	7.091	915	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1443074	35560	38.9	7.741	915		19.9					93
Wet Bulb	1364338	34658	37.9	7.512	915		22.8					93
Dew Point	1276017	33399	36.5	7.890	915		31.1					93

Element (X)	Σx^2	Σx	$\bar{x}$	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	7521794	83258	91.3	7.591	915	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1443074	35560	38.9	7.741	915		19.9					93
Wet Bulb	1364338	34658	37.9	7.512	915		22.8					93
Dew Point	1276017	33399	36.5	7.890	915		31.1					93

USAFETAC FORM 0 26 3 01 A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-62

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STATION

STATION NAME

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PSYCHROMETRIC SUMMARY

73-82

050

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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											
56/ 55	.3	.4	.2															9	9	3	3											
54/ 53	.3	2.2	.1															24	24	17	6											
52/ 51	.3	3.2	.3															35	35	24	24											
50/ 49	.7	4.0	3.0															71	71	51	24											
48/ 47	1.0	8.2	1.7															100	100	83	50											
46/ 45	1.4	7.2	2.9	.3	.1													110	110	95	102											
44/ 43	.9	5.9	2.2	.2	.1													85	85	82	71											
42/ 41	1.4	8.5	4.7	.1														135	135	90	100											
40/ 39	1.0	5.3	2.5	.2														93	83	90	80											
38/ 37	1.0	5.5	2.0	.1														79	79	106	73											
36/ 35	1.1	4.7	1.4	.1														67	67	89	62											
34/ 33	1.5	3.5	.7															52	52	81	96											
32/ 31	.4	1.3	.8															23	23	49	70											
30/ 29	.5	1.5	.4															23	23	27	70											
28/ 27	1.0	.9																17	17	31	37											
26/ 25	.2	.1																3	3	7	27											
24/ 23	.1	.2																3	3	2	15											
22/ 21																				2	3											
20/ 19																					5											
18/ 17																					1											
TOTAL	13.2	62.6	23.0	1.1	.2													919	919	919	919											

PSYCHROMETRIC SUMMARY

DEC

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PSYCHROMETRIC SUMMARY

037460 BOSCOMBE DOWN JK
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PSYCHROMETRIC SUMMARY

037463

BOSCOMBE DOWN JK

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ALL

STATION

STATION NAME

YEARS

PAGE 1

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
52/ 91												.0	.0	.0				7	7																
90/ 99											.0	.0	.0	.0				14	14																
58/ 97										.0	.0	.0	.0	.0				33	33																
86/ 95									.0	.0	.0	.0	.0	.0	.0			33	33																
84/ 93								.0	.0	.0	.0	.0	.0	.0	.0			39	39																
82/ 81							.0	.0	.0	.0	.0	.0	.0	.0				57	57																
80/ 79						.0	.0	.0	.0	.0	.0	.0	.0	.0				103	103																
76/ 77					.0	.0	.1	.1	.1	.1	.0	.0	.0	.0				372	372																
76/ 75					.0	.1	.1	.1	.0	.0	.0	.0						307	307																
74/ 73			.0	.0	.0	.1	.2	.1	.0	.0	.0							508	510																
72/ 71			.0	.0	.2	.1	.2	.1	.1	.0	.0							602	602	1															
70/ 69		.0	.1	.1	.3	.3	.2	.1	.0	.0	.0	.0						968	969	32															
68/ 57		.0	.1	.2	.4	.3	.2	.1	.0	.0	.0	.0						1032	1033	150	2														
66/ 65	.0	.1	.3	.4	.4	.3	.2	.0	.0	.0	.0							1531	1532	436	17														
64/ 63	.0	.5	.5	1.1	.7	.6	.2	.1	.0	.0	.0							3191	3191	951	236														
62/ 61	.1	.9	.8	.6	.6	.3	.1	.0	.0	.0								2893	2894	1867	521														
60/ 59	.5	1.8	1.5	1.0	.7	.3	.1	.0	.0	.0								5069	5072	3173	2145														
58/ 57	.4	1.9	.9	.8	.3	.2	.0	.0	.0									3850	3853	4433	2300														
56/ 55	.8	2.7	1.2	.7	.4	.2	.0	.0										5186	5188	5321	4119														
54/ 53	.6	2.6	1.0	.7	.3	.1	.0	.0										4553	4556	6182	4521														
52/ 51	.9	3.0	1.6	.4	.4	.1	.0											5516	5519	5815	5696														
50/ 49	.7	2.9	1.5	.5	.2	.1	.0	.0										4982	4982	5886	5014														
48/ 47	1.3	4.1	1.3	.5	.3	.1	.0	.0										6442	6442	6764	6342														
46/ 45	1.2	5.6	1.5	.6	.2	.0	.0											7811	7813	7372	8406														
44/ 43	.9	3.6	1.2	.4	.1	.0	.0											5305	5306	5573	6102														
42/ 41	1.2	4.9	1.5	.4	.1	.0												6965	6969	5715	8712														
40/ 39	.6	2.7	.6	.1	.0													3444	3444	5360	4639														
38/ 37	1.2	2.4	.7	.1	.0													3691	3692	4948	5343														
36/ 35	.5	2.3	.4	.0														2828	2828	3713	4067														
34/ 33	1.1	2.0	.3	.0	.0													2931	2931	3739	4647														
32/ 31	.5	1.6	.2	.0														1875	1875	3106	3188														
30/ 29	.4	1.1	.1	.0														1427	1429	1666	3405														
28/ 27	.6	.5	.0															969	969	1037	2885														
26/ 25	.2	.2	.0															325	325	521	1149														
Element (X)	Σ X ²			Σ X			Σ			Σ ²			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

PSYCHROMETRIC SUMMARY

73-82

All

STATION

STATION NAME

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

45 BODDUMBE DOWN UK

73-82

		YEARS												ANNUAL
		AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1-5	MEAN	36.1	37.7	39.2	41.6	46.4	52.2	55.6	56.1	52.5	47.0	42.7	39.6	45.7
	S.D.	6.383	6.246	5.542	5.426	5.126	5.240	4.399	4.599	5.085	5.957	7.374	7.448	6.816
	TOTAL OBS	676	831	909	863	915	873	896	877	883	920	895	915	17665
6-10	MEAN	37.6	36.9	36.3	40.1	44.8	50.4	53.7	54.2	51.1	46.0	42.2	39.0	44.6
	S.D.	7.135	6.394	5.611	5.542	5.283	5.078	4.461	4.618	5.458	6.175	7.591	7.582	6.671
	TOTAL OBS	885	830	906	878	921	875	903	903	881	916	890	916	17724
11-15	MEAN	37.2	36.7	36.6	41.5	47.8	54.0	57.0	56.1	52.0	46.0	42.2	38.9	45.6
	S.D.	7.347	6.581	5.730	5.580	5.198	4.959	4.205	4.437	5.400	6.312	7.865	7.741	6.419
	TOTAL OBS	694	837	911	882	909	868	881	876	868	917	887	916	17638
16-20	MEAN	38.5	39.1	40.0	47.4	54.0	60.0	63.1	63.3	58.4	50.7	44.7	40.2	50.0
	S.D.	7.131	6.167	5.198	5.492	5.899	6.360	5.271	5.130	4.871	5.497	7.231	7.453	1.798
	TOTAL OBS	680	836	905	864	910	868	859	899	880	902	891	920	17674
21-25	MEAN	41.3	42.6	46.4	51.7	57.4	63.6	66.8	67.3	62.2	54.4	47.8	42.9	53.7
	S.D.	6.263	5.772	5.172	6.184	6.995	7.286	6.242	6.150	5.559	4.954	5.950	6.519	11.083
	TOTAL OBS	676	824	906	870	897	862	870	892	875	694	880	905	17551
26-30	MEAN	40.5	42.4	46.1	51.7	57.6	64.0	67.2	67.5	61.7	53.3	46.3	42.0	53.4
	S.D.	5.975	5.553	5.224	6.266	7.161	7.545	6.332	6.453	5.815	5.013	6.160	6.437	11.406
	TOTAL OBS	883	827	910	880	916	873	901	886	879	904	890	919	17668
1-7	MEAN	38.6	39.6	42.6	47.8	53.9	60.5	63.6	63.1	56.9	49.5	43.6	40.3	50.0
	S.D.	6.399	5.568	5.001	5.955	6.498	6.746	5.646	5.909	5.191	4.920	6.777	7.025	1.797
	TOTAL OBS	884	831	919	884	902	877	885	881	878	917	889	922	17669
8-13	MEAN	36.1	38.4	40.2	43.6	49.1	55.0	58.1	58.3	53.7	47.6	42.7	39.7	47.0
	S.D.	6.699	5.923	5.164	5.298	5.409	5.547	4.642	4.669	4.907	5.385	7.153	7.437	9.305
	TOTAL OBS	883	836	912	886	918	873	893	893	878	910	890	922	17694
ALL HOURS	MEAN	38.8	39.2	41.8	45.6	51.4	57.5	60.6	60.7	56.1	49.3	44.0	40.3	48.8
	S.D.	6.906	6.407	6.142	7.121	7.595	7.871	7.137	7.210	6.696	6.318	7.304	7.332	10.611
	TOTAL OBS	7053	6652	7278	7047	7288	6969	7128	7109	7022	7280	7102	7335	85263

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

19460 BOSCOMBE DOWN UK

73-52

		YEAR												
		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN. A.			
1-4	MEAN	37.0	38.6	37.9	39.7	44.6	50.3	53.6	54.3	51.2	46.0	41.5	38.5	44.3
	STDEV	6.530	6.226	5.563	5.314	4.888	4.914	4.045	4.254	5.105	5.952	7.332	7.221	6.551
	TOTAL OBS	678	830	909	883	915	873	896	876	882	919	885	915	17661
5-7	MEAN	36.4	36.0	37.2	36.6	43.4	49.0	52.2	53.0	50.1	45.1	41.1	37.9	43.4
	STDEV	7.001	6.310	5.760	5.465	5.108	4.958	4.234	4.484	5.470	6.206	7.546	7.371	6.497
	TOTAL OBS	685	830	905	878	921	875	902	903	881	916	890	915	17702
8-10	MEAN	36.2	35.6	37.5	39.6	45.6	51.0	54.4	54.3	50.8	45.1	41.1	37.9	44.1
	STDEV	7.162	6.549	5.740	5.431	4.812	4.400	3.721	4.092	5.363	6.315	7.850	7.512	6.954
	TOTAL OBS	684	837	911	881	978	868	879	878	868	917	887	915	17635
11-12	MEAN	37.1	37.7	40.5	43.1	48.8	54.2	57.3	57.7	54.6	48.4	43.0	38.8	46.3
	STDEV	6.636	6.208	5.130	4.894	4.754	4.400	3.898	3.509	4.402	5.297	7.219	7.248	6.954
	TOTAL OBS	68	836	904	883	910	868	899	898	879	901	890	920	17668
13-14	MEAN	39.2	43.0	42.2	44.8	50.1	55.7	58.5	58.9	55.9	50.3	44.9	40.8	46.5
	STDEV	6.345	5.836	4.829	5.026	5.024	4.850	3.961	3.718	4.431	4.846	6.240	6.444	6.788
	TOTAL OBS	676	824	906	869	897	852	869	892	875	894	880	904	17548
15-17	MEAN	36.9	39.8	42.0	44.9	50.2	55.9	58.7	59.1	55.6	49.7	43.9	40.2	48.3
	STDEV	5.899	5.559	4.771	4.957	5.077	4.849	3.788	3.656	4.560	4.903	6.356	6.459	6.906
	TOTAL OBS	683	827	910	880	916	872	895	886	879	904	890	919	17664
18-20	MEAN	37.4	38.0	40.1	43.1	43.7	54.6	57.4	57.6	53.6	47.7	42.1	39.0	45.6
	STDEV	6.355	5.733	4.989	5.066	5.004	4.821	3.766	3.842	4.690	5.139	6.005	6.947	6.364
	TOTAL OBS	684	830	919	884	902	876	885	881	878	917	889	902	17667
21-23	MEAN	36.9	37.1	38.6	40.9	46.1	52.0	55.0	55.4	51.9	46.4	41.4	38.6	48.0
	STDEV	6.530	5.987	5.248	5.062	4.791	4.680	3.910	3.901	4.907	5.507	7.117	7.184	6.702
	TOTAL OBS	683	836	912	886	916	872	893	892	878	910	890	922	17690
ALL MONTHS	MEAN	37.4	37.6	39.5	41.8	47.2	52.9	55.9	56.3	53.0	47.3	42.4	39.0	45.9
	STDEV	6.667	6.251	5.575	5.637	5.502	5.348	4.536	4.505	5.316	5.860	7.200	7.127	6.923
	TOTAL OBS	7053	6650	7276	7044	7285	6966	7121	7106	7023	7278	7101	7333	85233



USAFETAC FORM 0895 (OLA)

1 GENERAL CLIMATOLOGY BRANCH
2 USAFETAC
AT WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1941 DOWNSCOMBE DOWN UK

73-82

NO.	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1-12	35.4	35.1	36.2	37.2	42.6	48.7	51.9	52.8	53.1	45.1	40.2	37.3	42.7	
1-12	7.366	6.884	6.229	6.080	5.646	5.337	4.383	4.644	5.423	6.261	7.314	7.613	6.974	
TOTAL OBS	676	830	909	683	915	873	896	876	882	919	685	915	10661	
1-13	34.7	34.6	36.7	36.7	41.8	47.8	51.0	52.0	49.3	44.2	39.8	36.5	42.1	
1-13	7.455	6.886	6.341	5.994	5.983	5.326	4.426	4.742	5.654	6.539	5.061	7.724	6.935	
TOTAL OBS	885	830	905	678	921	875	902	903	881	916	690	916	10702	
1-14	34.7	34.5	36.9	37.3	43.3	49.3	52.3	52.9	49.8	44.2	39.7	36.5	42.6	
1-14	7.639	7.210	6.419	6.085	5.504	4.954	4.233	4.332	5.608	6.615	5.340	7.892	7.255	
TOTAL OBS	884	837	911	681	908	866	879	678	668	917	697	915	10633	
1-15	35.2	35.9	37.3	38.1	43.6	49.4	52.8	53.4	51.5	46.2	41.0	37.1	43.5	
1-15	7.500	7.374	6.367	6.441	5.258	5.797	5.111	4.780	5.332	5.971	7.951	7.742	7.244	
TOTAL OBS	661	636	704		910	868	899	898	879	901	890	900	10661	
1-16	36.4	36.5	36.9	37.3	42.9	49.3	52.4	52.7	50.5	46.5	41.6	38.3	43.5	
1-16	6.937	7.236	6.929	6.950	6.921	6.091	5.191	5.376	5.663	6.302	7.795	7.324	7.186	
TOTAL OBS	676	824	906	869	897	862	869	892	675	834	680	904	10543	
1-17	36.3	36.3	36.7	37.0	43.1	49.3	52.4	52.7	50.5	46.3	41.1	38.1	43.3	
1-17	6.756	7.123	6.930	7.129	6.960	6.092	4.947	5.429	5.778	6.263	7.626	7.243	7.111	
TOTAL OBS	683	827	910	680	916	872	898	886	879	904	890	919	10664	
1-18	35.5	35.8	36.9	37.6	43.5	49.8	52.8	53.3	50.7	45.8	40.2	37.4	43.3	
1-18	6.880	6.746	6.278	6.706	6.547	5.864	4.509	5.104	5.483	5.994	7.561	7.521	7.154	
TOTAL OBS	684	830	919	884	902	676	885	881	878	917	889	902	10667	
1-23	35.5	35.4	36.4	37.5	43.1	49.3	52.6	53.2	50.3	45.2	39.8	37.0	42.9	
1-23	7.000	6.723	6.124	6.166	5.863	5.235	4.329	4.557	5.437	6.055	7.639	7.567	7.042	
TOTAL OBS	883	836	912	886	916	872	893	892	878	910	890	902	10690	
ALL HOURS	35.5	35.5	36.5	37.3	43.0	49.1	52.3	52.9	50.4	45.4	40.4	37.2	43.0	
ALL HOURS	7.199	7.019	6.475	6.458	6.205	5.626	4.682	4.901	5.590	6.313	7.876	7.672	7.114	
TOTAL OBS	7053	6650	7276	7044	7285	6966	7121	7106	7020	7278	7101	7333	85233	

USAFETAC FORM 0-89 (OLA)

JOINT CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

RELATIVE HUMIDITY

145 BOSCOMBE DOWN UK
 STATION

73-82

USA
 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		
01-02		100.0	100.0	100.0	100.0	100.0	99.7	97.1	89.3	81.1	676
03-05		100.0	100.0	100.0	100.0	100.0	99.9	98.2	89.3	80.4	685
06-08		100.0	100.0	100.0	100.0	100.0	99.9	97.9	89.0	80.6	684
09-11		100.0	100.0	100.0	100.0	100.0	99.3	95.2	81.4	70.7	680
12-14		100.0	100.0	100.0	99.9	99.4	96.1	85.2	61.8	51.1	676
15-17		100.0	100.0	100.0	100.0	99.8	98.0	88.3	65.9	50.5	683
18-20		100.0	100.0	100.0	100.0	100.0	99.8	96.9	83.9	45.6	684
21-23		100.0	100.0	100.0	100.0	100.0	99.9	98.1	88.1	55.9	683
TOTALS		100.0	100.0	100.0	100.0	99.9	99.1	94.7	81.2	49.5	7053

USAFETAC

FORM
 01-64

0-87-5 (OL A)

AD-A128 120

BOSCOMBE DOWN UNITED KINGDOM REVISED UNIFORM SUMMARY OF
SURFACE WEATHER O..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. MAR 83
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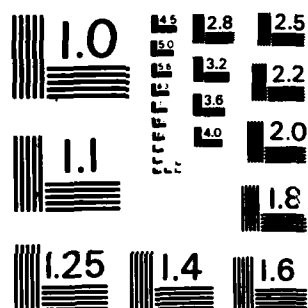
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIC WEATHER SERVICE/MAC

RELATIVE HUMIDITY

037460 BOSCOMBE DOWN UK

73-82

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	100.0	100.0	100.0	100.0	99.9	98.7	91.1	58.9	90.5	830
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.9	94.1	65.2	91.7	837
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	98.6	93.9	69.7	91.8	837
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	92.8	80.0	52.0	88.2	836
	12-14	100.0	100.0	100.0	100.0	99.5	92.8	73.5	50.2	24.9	79.8	824
	15-17	100.0	100.0	100.0	100.0	99.2	91.1	74.4	51.0	22.9	79.6	827
	18-20	100.0	100.0	100.0	100.0	100.0	99.5	93.1	75.9	38.4	86.2	830
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	97.5	86.4	50.4	89.0	836
TOTALS		100.0	100.0	100.0	100.0	99.8	97.8	90.9	77.8	47.8	87.1	6650

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

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STATION

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RELATIVE HUMIDITY

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MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.7	98.6	93.8	83.5	57.3	87.9	873
	03-05	100.0	100.0	100.0	100.0	99.9	99.3	97.9	89.6	61.9	90.8	875
	06-08	100.0	100.0	100.0	100.0	99.5	96.1	88.9	67.3	37.9	84.6	868
	09-11	100.0	100.0	99.8	97.5	90.1	69.9	49.0	23.8	10.0	69.5	868
	12-14	100.0	100.0	98.4	91.4	74.8	50.0	28.3	14.0	5.3	61.7	862
	15-17	100.0	99.4	97.5	91.1	74.9	48.1	29.4	12.4	4.6	61.1	872
	18-20	100.0	99.8	99.4	96.7	89.4	71.5	51.4	22.7	8.4	69.4	876
	21-23	100.0	100.0	100.0	99.5	98.2	93.6	83.6	59.5	28.0	82.0	872
TOTALS		100.0	99.9	99.4	97.0	90.8	78.4	65.3	46.2	25.8	75.9	6966

RELATIVE HUMIDITY

JUL
2009

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.3	97.7	95.5	80.9	48.7	87.8	896
	03-05	100.0	100.0	100.0	100.0	99.8	99.0	97.1	90.7	65.7	90.7	932
	06-08	100.0	100.0	100.0	99.9	99.5	96.8	90.7	69.3	35.5	84.9	879
	09-11	100.0	99.9	99.6	98.3	92.8	75.5	49.9	21.8	8.2	70.2	899
	12-14	100.0	100.0	98.5	93.8	76.2	48.8	26.4	11.5	4.8	61.7	669
	15-17	100.0	100.0	98.7	93.8	73.4	46.3	24.8	11.0	4.5	60.7	698
	18-20	100.0	99.9	99.7	98.5	90.7	72.2	50.6	19.7	6.6	69.3	685
	21-23	100.0	100.0	100.0	100.0	99.0	95.9	87.1	60.0	24.2	82.4	893
TOTALS		100.0	100.0	99.6	98.0	91.3	79.0	65.3	45.6	24.8	76.0	7121

RELATIVE HUMIDITY

AUG

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.7	99.7	97.7	95.0	82.6	55.8	88.8	876
	03-05	100.0	100.0	100.0	99.9	99.8	99.7	98.7	91.1	70.7	92.1	933
	06-08	100.0	100.0	100.0	100.0	99.9	98.9	96.0	82.8	54.3	89.3	878
	09-11	100.0	100.0	99.2	97.7	92.9	75.8	55.5	28.8	12.2	71.8	898
	12-14	100.0	99.9	97.0	91.9	75.4	47.4	27.8	14.1	5.4	61.6	892
	15-17	100.0	99.8	96.4	90.5	72.1	49.4	30.6	14.8	6.5	61.7	886
	18-20	100.0	100.0	98.3	95.8	93.0	78.0	63.8	32.7	11.6	72.4	881
	21-23	100.0	100.0	100.0	99.4	98.1	94.1	88.0	69.1	34.5	84.0	892
TOTALS		100.0	100.0	98.9	96.9	91.0	80.1	69.1	52.0	31.4	77.7	7106

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11-6-64

RELATIVE HUMIDITY

357

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.7	95.2	71.5	92.6	919
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.7	95.0	77.1	93.6	916
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.8	95.0	74.5	93.4	917
	09-11	100.0	100.0	100.0	100.0	100.0	98.4	92.1	66.1	37.6	85.3	901
	12-14	100.0	100.0	100.0	100.0	97.3	86.7	66.7	35.9	16.3	75.0	894
	15-17	100.0	100.0	100.0	100.0	98.0	90.2	75.4	43.5	18.7	78.0	904
	18-20	100.0	100.0	100.0	100.0	100.0	99.3	95.6	78.7	43.3	87.4	917
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	98.9	92.5	62.0	91.0	910
TOTALS		100.0	100.0	100.0	100.0	99.4	96.8	91.0	75.2	50.1	87.1	7278

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

NOV
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	98.2	89.2	60.9	90.6	885
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	97.6	91.1	64.8	91.3	890
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.2	91.1	61.2	91.0	887
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	93.9	74.5	41.1	86.9	890
	12-14	100.0	100.0	100.0	100.0	98.9	92.6	76.7	46.8	21.6	79.5	680
	15-17	100.0	100.0	100.0	100.0	99.9	96.3	84.5	57.6	25.6	82.3	890
	18-20	100.0	100.0	100.0	100.0	100.0	99.2	95.6	82.2	41.5	87.7	689
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	97.6	86.9	51.7	89.4	890
TOTALS		100.0	100.0	100.0	100.0	99.9	98.4	92.8	77.4	46.1	87.3	7101

RELATIVE HUMIDITY

DEC

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	100.0	97.9	90.9	60.3	90.5	915
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.5	91.6	63.6	90.9	916
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.3	91.3	62.5	91.0	915
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	96.0	84.2	49.2	88.6	920
	12-14	100.0	100.0	100.0	100.0	100.0	98.8	87.6	65.3	32.3	84.0	904
	15-17	100.0	100.0	100.0	100.0	99.8	99.5	92.5	75.1	38.5	86.2	919
	18-20	100.0	100.0	100.0	100.0	99.9	99.7	98.7	87.4	54.3	89.5	922
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	98.0	88.8	58.9	90.2	922
TOTALS		100.0	100.0	100.0	100.0	100.0	99.7	96.1	84.3	52.5	88.9	7333

FORM
FD-36

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

37450 BOSCOMBE DOWN UK
STATION

73-82

ALL
PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
JAN	ALL	100.0	100.0	100.0	100.0	99.9	99.1	94.7	91.2	47.5	88.1	7153
FEB		100.0	100.0	100.0	100.0	99.8	97.8	90.9	77.8	47.8	87.1	6650
MAR		100.0	100.0	99.9	99.3	96.6	91.0	81.6	64.3	37.0	82.5	7276
APR		100.0	100.0	99.7	96.9	89.1	77.8	63.8	44.7	21.1	74.8	7144
MAY		100.0	99.8	98.9	96.3	89.5	77.5	65.3	46.1	26.5	75.4	7285
JUN		100.0	99.9	99.4	97.0	90.8	78.4	65.3	46.2	25.8	75.9	6966
JUL		100.0	100.0	99.6	98.0	91.3	79.0	65.3	45.6	24.8	76.0	7121
AUG		100.0	100.0	98.9	96.9	91.0	80.1	69.1	52.0	31.4	77.7	7106
SEP		100.0	100.0	100.0	99.5	97.0	89.7	80.0	62.0	39.7	82.5	7020
OCT		100.0	100.0	100.0	100.0	99.4	96.8	91.0	75.2	50.1	87.1	7278
NOV		100.0	100.0	100.0	100.0	99.9	98.4	92.8	77.4	46.1	87.3	7100
DEC		100.0	100.0	100.0	100.0	100.0	99.7	96.1	84.3	52.5	88.9	7333
TOTALS		100.0	100.0	99.7	98.7	95.4	88.8	79.7	63.1	37.7	81.9	85233

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

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

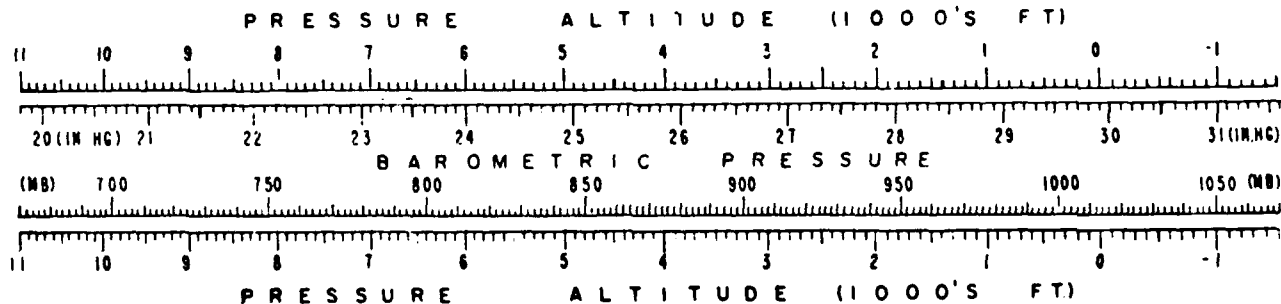
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury. DATA NOT AVAILABLE
2. Sea-level pressure is presented in millibars.

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

037400 BOSCOMBE DOWN UK

73-82

STATION	STATION NAME	YEARS												
HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0	MEAN	1015.4	1014.2	1013.7	1018.4	1015.6	1017.7	1017.8	1017.8	1016.4	1014.1	1017.3	1013.0	1015.9
	S.D.	13.585	13.490	11.932	8.830	8.097	7.196	6.006	6.510	9.323	11.138	11.181	15.759	10.773
	TOTAL OBS.	260	249	301	264	303	289	292	290	294	306	293	304	3405
3	MEAN	1014.8	1014.1	1013.1	1017.8	1015.4	1017.3	1017.1	1017.3	1016.0	1013.5	1016.4	1013.1	1015.5
	S.D.	13.794	13.728	11.952	8.949	8.100	7.351	6.384	6.597	9.339	11.183	11.265	15.495	10.803
	TOTAL OBS.	262	249	301	264	307	290	298	292	294	304	295	302	3458
6	MEAN	1014.3	1013.9	1013.0	1017.9	1015.4	1017.3	1017.4	1017.4	1016.0	1013.6	1016.3	1012.6	1015.4
	S.D.	13.647	13.687	12.070	9.077	8.256	7.556	6.328	6.716	9.495	11.115	11.368	15.406	10.895
	TOTAL OBS.	262	254	304	264	305	294	287	291	290	308	296	304	3459
9	MEAN	1015.0	1014.5	1013.5	1018.3	1015.6	1017.4	1017.5	1017.7	1016.4	1014.2	1016.9	1013.2	1015.8
	S.D.	13.977	13.781	11.825	8.964	8.160	7.608	6.347	6.746	9.591	11.011	11.445	15.401	10.876
	TOTAL OBS.	263	252	300	264	300	286	291	296	289	297	297	309	3444
12	MEAN	1014.9	1014.4	1013.5	1017.8	1015.2	1017.3	1017.0	1017.4	1016.1	1013.8	1016.5	1013.1	1015.6
	S.D.	14.079	13.750	11.802	8.989	8.023	7.323	6.213	6.450	9.432	11.124	11.569	15.369	10.800
	TOTAL OBS.	260	251	301	264	303	294	295	296	289	305	295	302	3455
15	MEAN	1014.1	1013.4	1012.6	1017.2	1014.8	1016.8	1016.8	1016.9	1015.6	1013.1	1015.9	1012.6	1015.0
	S.D.	13.976	13.689	11.546	8.837	7.895	7.098	5.935	6.256	9.143	10.897	11.530	15.261	10.675
	TOTAL OBS.	262	246	298	263	303	291	295	284	291	301	296	304	3434
18	MEAN	1014.7	1013.9	1012.8	1017.3	1015.0	1016.7	1016.5	1016.9	1015.7	1013.7	1016.6	1012.9	1015.2
	S.D.	13.718	13.469	11.474	8.582	7.712	7.036	5.797	5.978	9.106	10.991	11.386	15.480	10.581
	TOTAL OBS.	262	250	302	265	303	291	295	286	291	305	299	306	3455
21	MEAN	1015.3	1014.3	1013.6	1018.2	1015.7	1017.6	1017.5	1017.7	1016.4	1014.3	1017.0	1012.9	1015.9
	S.D.	13.524	13.553	11.602	8.647	7.776	7.152	5.860	6.218	9.223	10.881	11.403	15.908	10.687
	TOTAL OBS.	263	251	305	263	305	290	293	294	294	305	296	306	3465
ALL HOURS	MEAN	1014.8	1014.1	1013.2	1017.9	1015.3	1017.3	1017.2	1017.4	1016.1	1013.8	1016.6	1013.0	1015.5
	S.D.	13.796	13.624	11.766	8.857	7.998	7.288	6.117	6.439	9.323	11.034	11.383	15.490	10.765
	TOTAL OBS.	2094	2002	2412	2111	2429	2325	2346	2329	2332	2431	2367	2437	27615



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