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NATIONAL BUREAU OF STANDARDS-1963-A

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NOV 27 1984  
USAF/ACC 125-84/008

UK 125 831

ADA 140248

DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

LAKENHEATH UK MSC #035831  
N 52 24 E 000 34 ELEV 32 FT EGUL

PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:  
HOURLY OBSERVATIONS: JUN 73 - MAY 83  
SUMMARY OF DAY DATA: MAY 49 - MAY 83

TIME CONVERSION GMT TO LST: 0

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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO                      Daily temperature                      Atmospheric pressure Snowfall                      Extreme snow depth                      Extreme surface winds Climatology                      Sea-level pressure                      Psychrometric summary Surface Winds                      Extreme temperature                      Ceiling versus visibility Relative humidity                      *Climatological data                      (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Lakenheath RAF, 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		

19. Percentage frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables  
\*United Kingdom \*Lakenheath RAF \*UK035831  
\*Brandon \*Lakenheath \*Great Britain

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

*Handwritten notes:*  
\* Brandon  
\* Lakenheath

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

*Wayne E. McCollom*

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FOR THE COMMANDER

*Walter S. Burgmann*

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Director, Air Weather Service  
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Dist	Avail and/or Special
A-1	

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.

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

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

### DAILY OBSERVATIONS

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

### DESCRIPTION OF SUMMARIES

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

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

**PART A WEATHER CONDITIONS**

ATMOSPHERIC PHENOMENA

**PART B PRECIPITATION**

SNOWFALL

SNOW DEPTH

**PART C SURFACE WINDS**

**PART D CEILING VERSUS VISIBILITY**

SKYCOVER DATA NOT AVAILABLE

**PART E DAILY MAX, MIN, & MEAN TEMP**

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

**PART F STATION PRESSURE**

SEA LEVEL PRESSURE DATA NOT AVAILABLE

### 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 \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MARCH \_\_\_\_\_

APRIL \_\_\_\_\_

MAY \_\_\_\_\_

JUNE \_\_\_\_\_

JULY \_\_\_\_\_

AUGUST \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

OCTOBER \_\_\_\_\_

NOVEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

10M- 33 ft

STATION NO ON SUMMARY 035830	STATION NAME LAKENHEATH RAF UK/BRANDON	LATITUDE N 52 24	LONGITUDE E 000 34	FIELD ELEV (FT.) 32	CALL SIGN EGUL	WMO NUMBER 03583
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**STATION LOCATION AND INSTRUMENTATION HISTORY**

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Lakenheath RAF Brandon England	RAF	Dec 66	12 Nov 67	N 52 25	E 000 33	42 ft	89 ft	24
2	Same	Same	13 Nov 67	Feb 71	Same	Same	Same	95 ft	24
3	Same	Same	Sep 71	Nov 77	N 52 21	E 000 34	32 ft	Same	24
4	Same	Same	Nov 77	Nov 81	N 52 24	Same	Same	94 ft	24
5	Same	Same	Dec 81	Jan 84	N 52 24	E 000 34	32 Ft	94 Ft	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Dec 66	1. Rnwy 24-500 ft off centerline, 1500 ft from the end.	AN/GMQ-11	Same	13 ft	
		2. Rnwy 06-500 ft off centerline, 1000 ft from the end.	Same		13 ft	
2	Apr 69	1. No change.	Same	RO-362	Same	
		2. No change.	Same		Same	
3	Nov 77	1. No change.	Same	RO-362	Same	
		2. No change.	Same		Same	
4	Dec 81	1. No change	AN/GMQ-20	Same	Same	
		2. No change	AN/GMQ-20	Same	Same	
4	Jan 84	1. No change				
		2. No change				

USAFETAC FORM NOV 73

O-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

PART A

WEATHER CONDITIONS

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN 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 3/8 mile.

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

3ER31  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

74-83

YEARS

JAN  
 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	00-02		11.7		2.2		13.4	21.5	9.2			37.8	930
	03-05	.1	11.7		2.7		13.5	21.8	7.5			29.4	930
	06-08		12.0	.1	3.4		15.2	21.0	11.0			31.9	930
	09-11		11.3	.3	4.3		15.1	19.6	15.8			35.4	930
	12-14		12.0		5.1		16.0	12.7	14.1			26.8	930
	15-17		11.6	.1	3.2	.1	14.4	14.6	17.0			31.6	930
	18-20		10.1		2.9		12.2	17.4	15.8			33.2	930
	21-23		10.1		2.3		11.7	20.8	11.0			31.7	930
TOTALS		.0	11.3	.1	3.2	.0	13.9	18.7	12.7			31.4	7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

035831 STATION LAKENHEATH PAF UK STATION NAME 74-87 YEARS FEB 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
FEB	00-02		10.6		2.7		13.1	30.1	15.2			48.3	937
	03-05		11.0	.2	3.8		14.6	32.5	13.7			46.2	937
	06-08		9.9	1.0	3.1		13.5	33.0	16.8			49.8	937
	09-11		10.2	.7	4.5		15.1	25.3	22.9			48.1	937
	12-14		12.1	.1	3.2		15.1	13.0	23.5			36.6	937
	15-17		15.0	.1	3.6		16.5	10.2	25.8			36.1	947
	18-20		12.5	.1	3.7		15.8	16.2	24.5			45.7	938
	21-23		11.8	.1	3.2		14.6	21.5	19.6			41.1	837
TOTALS			11.6	.3	3.5		15.0	22.7	20.2			43.3	6700

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

75231  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

74-83

YEARS

MAR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURENCE 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
MAR	00-01		15.3		.8		15.7	14.6	11.9	.1		26.7	930
	03-05		14.9		1.6		15.8	19.2	12.4			31.6	930
	06-08		15.9		3.3		18.0	22.4	16.0			38.4	930
	09-11		17.3		3.7		19.2	14.4	18.2		.1	32.7	930
	12-14	.1	16.9		1.3	.2	18.1	4.8	18.3		.3	23.4	930
	15-17	.6	17.1		.6	.1	17.6	4.2	15.4		.2	19.8	930
	18-20	.2	18.8		.5		19.0	6.1	16.1			22.3	930
	21-23		16.9		.5		17.0	8.5	14.6			23.1	930
TOTALS		.1	16.6		1.5	.0	17.6	11.8	15.4	.0	.1	27.3	7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

35831      LAKENHEATH RAF UK      74-87      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 OBST TO VISION	TOTAL NO OF OBS
APR	00-02		10.4		1.0		10.9	11.6	13.7			25.2	900
	03-05		12.4		.9		13.0	22.4	11.9			34.3	900
	06-08		13.8		.7		14.0	24.7	18.1			42.7	900
	09-11		11.9		.3	.1	12.2	9.1	16.4		.2	25.8	900
	12-14	.1	10.7		.9		11.1	3.3	11.4		.1	14.9	900
	15-17	.3	12.2		1.3		12.7	1.6	10.1		.6	12.2	900
	18-20	.2	11.2		.6		11.2	2.3	15.7			18.0	900
	21-23		9.0		1.3		9.5	5.2	15.2			20.5	899
TOTALS		.1	11.9		.9	.0	11.8	10.0	14.1		.1	24.2	7199

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 USAFETAC  
 AIP WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

035831      LAKENHEATH RAF UK      74-87      MAY  
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
MAY	00-02	.1	11.7		.1		11.1	13.2	8.7			21.9	947
	03-05		9.5				9.5	29.8	14.1			43.5	867
	6-08	.2	9.9		.2		10.0	20.3	21.2			41.6	919
	09-11	.4	8.8			.2	9.0	5.6	14.6			20.2	918
	12-14	1.3	12.4			.1	12.5	1.1	8.5			9.6	918
	15-17	2.2	13.4		.1		13.4	1.2	7.5			8.7	918
	18-20	.9	8.7				8.7	2.8	10.8			13.6	918
	21-23	.4	9.1				9.1	6.2	11.4			17.6	893
TOTALS		.7	10.4		.1	.0	10.4	10.0	12.1			22.1	7191

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### WEATHER CONDITIONS

YEAR: 1987 STATION: LAKENHEATH RAF UK STATION NAME: 73-87 YEARS: 1 MONTH: JUN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS	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	10-24	0.4	7.2				7.7	15.9	10.7			26.6	900
	25-29	0.2	9.1				9.1	29.3	17.4			46.8	900
	30-30	0.3	9.9				9.9	19.2	21.6			37.8	900
	01-14	0.4	7.4		0.1		7.4	9.4	11.7			16.1	900
	15-14	2.2	6.4				6.4	6.4	7.0			7.6	900
	15-17	2.4	9.2				9.2	6.4	5.1			5.6	900
	18-27	1.2	8.4				8.4	1.8	9.4			11.2	900
	28-29	0.2	8.2				8.2	2.3	11.6			18.9	900
TOTALS			8.5		0.1		8.6	9.2	12.1			21.3	7200

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

025831 STATION LAKENHEATH RAF UK 73-87 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	.2	5.8				5.8	10.4	11.1			21.5	937
	03-05	.1	7.8				7.8	22.7	18.2			40.9	937
	06-08	.2	10.2				10.2	10.9	21.2			32.1	929
	09-11	.1	8.1				8.1	2.6	9.6			13.2	937
	12-14	.4	8.7				8.7	.9	5.7			6.6	929
	15-17	1.0	8.4				8.4	.5	5.1			5.6	937
	18-20	1.0	7.7				7.7	1.4	8.5			9.9	937
	21-23	.2	6.6				6.6	4.4	10.6			15.1	937
TOTALS		.4	7.9				7.9	6.7	11.3			18.0	7438

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

018931 LAKENHEATH RAF UK 73-82 AUG  
 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	.1	7.3				7.3	22.8	14.1			34.6	930
	03-05	.2	7.5				7.5	36.0	10.5			46.6	930
	06-08		8.5				8.5	28.2	21.8			52.7	930
	09-11	.3	8.2				8.2	5.2	18.1			23.2	930
	12-14	.4	8.9				8.9	2.2	15.9			13.2	930
	15-17	1.7	9.5				9.5	1.2	10.0			11.2	930
	18-21	1.4	8.3				8.3	3.0	15.6			18.6	930
	21-23	.4	6.0				6.0	7.6	18.3			25.9	930
TOTALS		.6	8.0				8.0	13.0	14.9			27.9	7980

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATP WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

035931 LAKENHEATH RAF UK 73-87 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	.6	13.8				10.8	20.4	12.0			32.4	899
	03-05	.1	9.7				9.7	33.6	10.1			49.7	900
	06-08	.1	10.5				10.5	29.1	18.1			47.3	899
	09-11		10.3				10.3	7.6	18.3			25.9	900
	12-14	.3	7.1				7.1	1.2	11.7			12.9	899
	15-17	.8	7.1				7.1	1.1	14.6			15.7	900
	18-20	.3	8.8				8.8	3.3	19.4			22.8	900
	21-23	.2	9.3				9.3	10.7	17.4			28.1	900
TOTALS		.3	9.2				9.2	13.0	15.2			28.2	7197

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

35831  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

73-87

YEARS

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02		12.5				12.5	28.9	11.3			47.2	937
	03-05		12.6				12.6	36.5	10.5			47.0	930
	06-08		11.7				11.7	39.1	14.3			53.4	930
	09-11	.1	13.4				13.4	20.5	18.6			39.1	930
	12-14	.3	13.7				13.0	8.0	14.7			22.7	937
	15-17	.2	15.1				15.1	6.7	16.3			23.0	930
	18-20		15.8				15.8	13.2	17.5			32.8	930
	21-23		14.1				14.0	20.9	12.7			33.5	930
TOTALS		.1	13.5				13.5	21.7	14.5			36.2	7900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

035831 STATION      LAKENHEATH RAF UK      STATION NAME      73-87      YEARS      NOV      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02		7.8		.2		8.2	17.1	15.7			32.8	888
	03-05		12.6		1.7		13.5	16.6	14.2			37.7	888
	06-08		14.8		.8		15.4	19.3	13.1			32.3	888
	09-11		16.1		.8		16.7	15.2	15.1			30.3	888
	12-14		14.9		.2		15.2	9.2	14.8			24.0	891
	15-17		14.5		.7		15.0	9.4	16.8			26.3	891
	18-20		10.1	.1	.4		10.7	12.7	17.3			27.9	891
	21-23		9.6		.1		9.7	15.2	15.7			37.9	897
TOTALS			12.6	.0	.5		13.0	14.1	15.3			29.4	7115

USAFETAC FORM 0-10-5(01, A) REVISIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE/HAC

### WEATHER CONDITIONS

035831 LAKENHEATH RAF UK 73-87 DEC  
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
DEC	00-01		12.9		1.8		11.7	26.3	8.0			34.3	930
	03-05	.1	12.5		2.3		14.3	24.2	17.1			34.3	930
	06-08		12.3		1.5		13.5	24.5	17.5			35.1	930
	09-11		12.7		2.7		13.5	22.5	16.6			39.0	930
	12-14		11.3		1.9		12.9	18.1	17.7			35.1	930
	15-17		12.5		2.4		14.5	19.7	19.5			38.5	930
	18-21		12.3		2.0		13.4	21.7	12.5			34.2	930
	21-23		12.5		1.8		14.7	23.9	8.2			32.0	930
TOTALS		.1	12.0		2.0		13.5	22.5	12.6			35.3	7440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

035P31 LAKENHEATH RAF UK 73-87 ALL  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURENCE 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	11.3	.1	3.2	.0	13.9	18.7	12.7			31.4	7440
FEB			11.6	.3	3.5		15.0	22.7	20.2			43.0	6700
MAR		.1	16.6		1.5	.3	17.6	11.8	15.4	.0	.1	27.3	7440
APR		.1	11.5		.9	.0	11.8	10.0	14.1		.1	24.2	7199
MAY		.7	10.4		.1	.0	10.4	10.0	12.1			22.1	7191
JUN		.9	8.5		.0		8.6	9.2	12.1			21.3	7200
JUL		.4	7.9				7.9	6.7	11.3			18.7	7438
AUG		.6	8.3				8.0	13.0	14.9			27.9	7447
SEP		.3	9.2				9.2	13.0	15.2			28.2	7197
OCT		.1	13.5				13.5	21.7	14.5			36.2	7440
NOV			12.6	.0	.5		13.0	14.1	15.3			29.4	7115
DEC		.0	12.0		2.0		13.5	22.5	12.8			35.3	7447
TOTALS		.3	11.1	.0	1.7	.0	11.9	14.5	14.2	.0	.0	28.7	87240

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

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



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

Continued on Reverse Side

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

- 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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

075831 LAKENHEATH RAF UK 49-83  
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	34.4	22.0	6.2	15.2	9.5	9.0	3.2	1.2	.3					43.6	979	1.52	3.77	TRACE	
FEB	34.2	26.7	5.7	14.4	7.5	8.7	3.6	.5	.1					39.8	881	1.12	2.02	.00	
MAR	37.3	22.0	5.8	13.2	8.3	9.1	3.6	.4	.1	.1				40.6	967	1.47	4.63	.00	
APR	37.5	21.3	6.1	12.6	6.6	11.4	3.4	.6	.6					41.2	906	1.52	3.61	.00	
MAY	41.7	21.1	4.8	13.7	7.7	7.6	3.3	1.4	.1					37.9	961	1.49	4.35	.00	
JUN	47.7	19.0	4.9	7.7	5.3	7.4	5.4	2.2	.5					33.4	923	1.85	4.47	.00	
JUL	44.4	19.7	4.8	9.9	6.4	7.8	4.4	2.2	.5					36.7	965	1.79	4.65	.00	
AUG	44.4	18.7	3.8	10.0	5.9	8.9	5.9	2.1	.3					36.9	952	1.97	6.54	.00	
SEP	45.5	22.3	4.2	8.1	5.1	7.1	5.4	2.0	.2					32.1	955	1.72	3.83	.00	
OCT	43.4	19.8	5.1	11.6	5.7	8.0	4.5	1.7	.2					36.8	978	1.66	4.33	.00	
NOV	31.1	22.5	5.8	14.4	7.5	10.9	5.7	1.7	.3					46.4	880	1.88	4.76	.00	
DEC	34.7	24.3	5.7	14.6	7.1	8.8	4.3	1.7	.1					41.7	938	1.61	3.69	.00	
ANNUAL	39.6	21.6	5.1	12.1	6.7	8.7	4.4	1.5	.3	.0				38.9	11285	1.67			

GLOPAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

PRECIPITATION

FROM DAILY OBSERVATIONS

25831 LAKENHEATH RAF UK  
STATION STATION NAME

42-07  
YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49					*TRACE*	.70*	.73*	.70*	.00*	.00*	.70*	.70	
50	*TRACE*	.20*	.30*	.30*	.00	.20	1.39	.54	.73	.25	1.26	.45	1.39
51	.56	.35	1.10	.90	.39	.40	.25	.75*	1.21	.24	.33	.73	1.21
52	.20	.40	3.44	1.12	.35	.17	.37	.88	.35	.33	.63	.70	3.44
53	.27	.16	.79	1.04	.23	.63	.51	.47	.29	1.72	.36	.18	1.72
54	.21	.33	.41	.15	.00	.99	.73	1.56	.35	.40	.49	.57	1.56
55	.28	.41	.49	.09	.48	.51	.74	.34	.68	.81	.24	.35	.81
56	.58	.21	.15	.31	.45	.45*	.81	.66	.55	.42			
57	*TRACE												
58		.78*	.78				.71	.41	.54	.63	.66*	.61	
59	.69	.15	.43	.37	.31	.18	2.32	.73*	.70				
60	*.91	.61	.88	.29	.28	1.70	.84	.37	.61	.61	1.17	.73	1.37
61	1.02	.49	.78	.52	.45	1.77	.78	.35	.95	.60	.61	.76	1.07
62	.63	.51	.33	.34	.82	.08	.62	.38	.55	.46	.16	.34	.82
63	.46	.50	.47	2.28	.56	.48	.73	.55	.50	.34	.45	.18	2.28
64	.22	.29	.48	.70	.27	.83	.43	.44	.15	.24	.45	.60	.83
65	.71	.15	.42	.42	.33	.72	.62	.44	.53	.26	.50	.50	.50
66	.17	.35	.16	.26	.19	.73	.39	.99*	.23	.61	.34	.40	.99
67	.11	.28	.21*	.58	.78	.65	.36	.30	.29*	.41	.34*	.33	.78
68	.23	.28	.23	.38	.27	1.15	1.42	.50	.95	.72	.26	.42	1.42
69	.26	.30	.51	.30	1.67	.46	1.05	.66	TRACE	.74	.60	.53	1.67
70	.98	.26	.34	.41	.25	.63	.45	.49	.64	.27	.76	.49	.98
71	1.37	.16*	.35					*TRACE	.19	.81	.54	.26	
72	.58	.30	.30	.35	.18	.43	.40	.83	.27	.76	.75	.27	.83
73	.13	.34	.23	.40	.41	.70*	1.33	.23	.71	.30	.36	.36	1.33
74	.44	.25	.16	.27	.17	.74	.46	.69*	.76	.39	.67	.34	.76
75	.40	.19	.48	.35*	.37	.41	.27	.12	1.37	.10	.36	.18	1.37
76	.41	.14	.11	.16	.27	.22	.53	.83	.31	.90	1.00	.47	1.00
77	.40	.55	.33	.22	.32	.50	.23	.82	.30	.09	.22	1.91	1.91
78	.21	.26	.35	.32	.97	.43	.57	.56	.44	.13	.27	.67	.97
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-883 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 PRECIPITATION

FROM DAILY OBSERVATIONS

035831  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

46-27

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	.64	.54	.23	.12	.35	1.72	.33	.55	.18	.51	.30	.56	1.07
80	.61	.31	.55	.21	.26	.49	.68	.75	.32	.81	.32	.38	.81
81	.15	.09	.53	.49	.65	.22	.49	1.14	.48	.43	.18	.37	1.14
82	1.01	.10	.23	.27	.98	1.02	.64	.26	.80	1.31*	.62	.66	1.31
83	.24*	1.55	.18	1.79	1.07								
MEAN	.468	.329	.461	.477	.498	.614	.618	.598	.503	.470	.494	.477	1.314
S.D.	.316	.142	.625	.447	.349	.311	.454	.296	.290	.308	.274	.332	.674
TOTAL OBS.	979	881	967	904	961	923	965	952	955	974	887	934	11245

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

**EXTREME VALUES**  
XXXXXXXXXXXXXXXXXXXX  
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

035831 LAKENHEATH RAF UK  
STATION STATION NAME

49-83 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49					*TRACE*	.70*	.70*	.80*	.80*	.70*	.70*	.70	
50	*TRACE*	.77*	.80*	.80*	.80	2.23	4.65	2.17	1.68	.63	2.99	1.05	*15.10
51	1.99	1.79	3.68	2.90	1.58	1.23	.71	2.26*	1.97	.59	1.87	.98	*21.54
52	.84	.64	4.63	2.26	.94	.61	.75	2.85	1.97	1.93	2.70	.74	22.26
53	.39	.78	.17	2.14	1.23	2.98	2.49	1.69	.87	1.94	.77	.34	15.78
54	.64	1.64	1.37	.20	2.41	2.32	2.58	6.54	1.51	1.82	3.32	1.71	26.26
55	1.57	1.88	1.39	.52	1.53	1.05	.04	1.28	1.65	2.71	.76	1.27	15.58
56	2.56	1.39	.43	.79	.64	2.77*	2.31	3.79	1.62	1.88			
57	*TRACE												
58		.78*	.78				* 2.49	2.06	2.85	2.16	1.21*	2.83	
59	2.29	.19	1.91	1.79	.64	.91	3.65	1.50*	.70				
60	* 2.86	1.20	1.53	1.36	.46	3.68	3.18	1.25	3.17	3.91	4.14	3.44	*30.11
61	3.77	2.16	.27	2.25	.90	2.17	2.21	2.07	3.33	3.15	1.96	3.33	27.57
62	2.39	1.38	1.27	2.70	2.27	.18	2.00	1.53	2.44	.80	.96	1.24	18.39
63	1.19	1.27	1.85	3.47	1.67	1.61	2.75	2.45	1.45	1.73	1.98	.79	20.34
64	.68	.62	1.63	1.66	1.01	4.47	.81	1.27	.39	1.27	1.56	1.65	16.75
65	1.87	.65	2.11	1.42	1.15	2.26	2.41		2.03	.49	* 2.63		
66	.75	1.62	.33	1.97	.79	2.36	2.28	1.75*	.36	2.32	1.61	1.87	*17.94
67	.56	.95	.51*	1.40	2.69	.81	1.72	1.19	.82*	1.68	1.39*	.83	*13.81
68	.89	.77	.47	.98	.96	3.43	2.90	2.83	3.33	1.57	1.03	1.55	22.71
69	1.07	1.10	1.99	1.21	3.92	1.35	1.84	1.60	TRACE	.79	2.45	2.03	18.65
70	2.37	1.23	1.59	1.97	.54	1.15	1.84	1.21	1.39	1.22	4.76	2.36	21.83
71	3.69	.50*	.76					*TRACE	.48	3.41	2.86	.71	
72	1.93	1.73	1.28	1.34	.67	1.35	1.59	1.44	1.11	.19	2.27	1.27	15.44
73	.44	.76	.63	1.70	1.69	1.61*	3.12	.79	3.83	1.45	.97	1.23	*18.24
74	1.81	1.89	.98	.61	.61	2.21	1.86	2.45*	2.58	2.38	2.40	1.08	*20.88
75	1.41	.68	2.84	2.14*	1.47	.99	.78	.27	2.73	.33	1.18	.68	*15.43
76	1.13	.40	.39	.29	1.22	.24	.60	1.65	1.62	3.10	2.32	1.84	14.80
77	1.85	2.07	1.52	.91	1.20	1.53	.42	2.36	.49	.33	1.17	3.69	17.54
78	.91	1.21	1.76	1.20	1.34	2.50	2.01	2.00	1.16	.38	.74	2.94	18.15
MEAN													
S.D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC 0000 (OEA)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

035833 LAKENHEATH RAF UK STATION NAME

49-83 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	2.03	1.82	1.69	.82	2.22	1.42	.72	2.13	.53	1.48	1.31	2.3	18.87
80	1.76	1.47	1.71	.48	.31	2.34	2.60	2.31	.77	1.87	1.49	1.19	17.53
81	.73	.41	2.56	1.94	2.07	.62	1.19	1.41	2.13	1.75	.60	1.71	16.62
82	1.84	.36	1.03	.20	2.41	4.14	.92	1.14	2.61	4.33*	2.25	1.49	*22.72
83	1.16*	2.82	.71	3.61	4.35								
MEAN	1.523	1.123	1.474	1.520	1.490	1.854	1.789	1.971	1.718	1.658	1.881	1.615	18.915
S.D.	.869	.557	1.010	.899	.982	1.089	1.072	1.111	1.017	1.136	1.041	.902	1.884
TOTAL OBS.	979	881	967	938	967	923	969	952	959	978	880	938	11285

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0685 (OEA)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

075R31 STATION LAKENHEATH RAF UK 49-83 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS.	MONTHLY AMOUNTS (INCHES)												
	NONE	TRACE	01	02	05	06	10	11	25	26	50	51	100			101	230	251	500	501	1000	1001	2000	OVER 2000	MEAN	GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4															
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120															
JAN	81.2	11.2	2.8	3.6	.8	.2	.1	.1						7.6	995	2.2	11.9	.0										
FEB	77.0	15.5	2.5	3.0	.9	.6	.3	.2						7.5	978	2.5	11.4	.7										
MAR	87.2	8.9	1.7	1.6	.3	.1	.7							3.9	1010	1.0	7.0	.0										
APR	93.4	5.5	.6	.3	.1									1.1	930	.2	1.9	.0										
MAY	99.0	1.0													1035	TRACE	TRACE	.0										
JUN	99.9		.1											.1	976	TRACE	.3	.0										
JUL	100.0														1014	.0	.0	.0										
AUG	100.0														1019	.0	.0	.0										
SEP	100.0														987	.0	.0	.0										
OCT	99.9	.1													1046	TRACE	TRACE	.0										
NOV	95.3	3.2	.4	.7		.3		.1						1.5	998	.7	6.1	.0										
DEC	87.0	8.5	1.5	1.9	.4	.5		.1						4.5	979	1.6	11.0	.0										
ANNUAL	93.3	4.5	.8	.9	.2	.1	.0	.0						2.2	11897	8.2												

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOWFALL

(FROM DAILY OBSERVATIONS)

015831 LAKENHEATH RAF UK  
 STATION STATION NAME

49-83

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49					.0	.0	.0	.0	.0	.0	.0*	.0	
50	*TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3	1.3
51	1.0	TRACE	TRACE	TRACE	.0	.0	.0	.0*	.0	.0	.0	TRACE	1.0
52	.6	.3	4.0	TRACE	.0	.0	.0	.0	.0	.0	1.0	.5	4.0
53	2.0	1.5	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.0
54	2.5	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.5
55	1.3	4.1	1.1	.0*	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.1
56	2.2	2.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0*	.0	2.2
57	*.7	*.0	*.0	*.0*	*.0*	*.0*	*.0*	.0	*.0*	*.0*	.0	.0	
58	*TRACE*	1.7	*.0*	*.0*	*.0*	*.0*	*.0*	.0	.0	.0	.0*	.5	
59	1.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
60	*2.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	*2.0
61	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	6.1	6.1
62	2.0	5.0	1.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.7	5.0
63	2.4	4.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.1
64	1.8	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1	1.8
65	.2	1.2	1.0	.1	.0	.0	.0	.0	.0	.0	1.3	TRACE	1.3
66	1.2	1.7	TRACE	1.6	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.7
67	1.1	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.7	1.7
68	.8	TRACE	.1	1.3	.0	.0	.0	.0	.0	.0	.0	3.0	3.0
69	TRACE	2.9	.1	TRACE	.0	.0	.0	.0	.0	.0	6.0	3.0	6.0
70	.9	3.0	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	1.2	3.0
71	.2	TRACE*	1.1					*.0	.0	.0	2.5	.4	
72	1.0	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.0
73	TRACE	.1	TRACE	TRACE	.0	.0*	.0	.0	.0	.0	.0	.9	.9
74	.0	TRACE	.5	.0	.0	.0	.0	.0*	.0	TRACE	.0	.1	.5
75	TRACE	.0	.8	.3*	.0	.0	.0	.0	.0	.0	.0	TRACE	.8
76	4.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.0
77	1.7	.3	2.0	.6	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
78	1.7	1.7	4.0	TRACE	.0	.0	.0	.0	.0	.0	2.5	1.0	4.0
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0485 (OEA)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOWFALL

FROM DAILY OBSERVATIONS

075833 STATION LAKENHEATH RAF UK STATION NAME

49-83 YEARS

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	6.2	5.3	.8	.5	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	6.2
80	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.5	.5	2.5
81	.5	.6	.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	3.0	3.0
82	.7	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.7
83	TRACE*	1.2	TRACE	.2	.7								
MEAN	1.27	1.11	.67	.15	TRACE	.07	.00	.00	.00	TRACE	.58	.90	1.25
S.D.	1.342	1.632	1.111	.379	.000	.054	.000	.000	.000	.000	1.281	1.428	1.623
TOTAL OBS.	995	908	1010	930	1035	978	1018	1019	987	1086	998	979	11897

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

35631 LAKENHEATH RAF UK  
 STATION STATION NAME

40-97

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49					.1	.1	.3	.1	.1	.2	.3*	.0	
50	*TRACE	.7	.7	.7	.7	.7	.3	.0	.2	.0	.0	2.1	* 2.1
51	1.7	TRACE	TRACE	TRACE	.7	.7	.7	.0*	.0	.0	.0	TRACE	* 1.7
52	.8	.3	7.0	TRACE	.7	.0	.1	.2	.1	.0	1.0	.9	17.0
53	3.1	3.1	.0	TRACE	.7	.0	.0	.0	.0	.0	.0	.7	6.1
54	4.1	2.7	2.4	.0	.7	.0	.2	.2	.1	.0	.0	TRACE	9.2
55	3.3	11.3	1.7	.0*	TRACE	.7	.7	.0	.7	.0	.0	TRACE	* 16.3
56	4.4	11.4	TRACE	TRACE	.7	.0	.1	.0	.1	.0*	.0*	.2	* 16.3
57	*.1	*.7	*.7	*.7	*.7	.0*	.3*	.0	.0	.0*	.0	.0	
58	*TRACE*	1.0	.7	.7	*.7	.7	.7	.2	.1	.0	.0*	.5	
59	2.9	.0	.0	.0	.7	.7	.7	.0	.0	.0	.0	.0	
60	* 3.1	TRACE	TRACE	.7	.7	.0	.7	.0	.0	.0	.0	TRACE	* 3.0
61	TRACE	TRACE	TRACE	.7	.7	.0	.0	.7	.7	.0	.0	9.2	9.2
62	3.1	9.6	2.0	.0	.0	.0	.2	.1	.0	.0	TRACE	5.5	22.1
63	9.4	9.4	TRACE	TRACE	.7	.0	.0	.0	.0	.0	.0	TRACE	18.4
64	2.5	TRACE	.4	.7	.7	.7	.7	.7	.7	.0	TRACE	1.1	9.2
65	.4	2.2	2.1	.1	.7	.7	.0	.7	.1	.0	1.5	TRACE	6.3
66	2.1	2.2	TRACE	1.9	.7	.7	.7	.7	.7	.0	TRACE	TRACE	6.1
67	1.8	.0	TRACE	TRACE	TRACE	.7	.7	.0	.7	.0	.0	2.5	4.3
68	2.3	TRACE	.1	1.7	.7	.7	.0	.0	.0	.0	.0	3.6	7.4
69	TRACE	7.4	.1	TRACE	.7	.0	.7	.0	.0	.0	6.1	4.4	18.0
70	1.1	4.2	3.6	TRACE	.7	.7	.0	.0	.0	.0	.0	3.2	12.1
71	.2	TRACE*	2.8					.7	.7	.0	3.4	.4	
72	1.3	TRACE	.3	.7	.7	.0	.7	.7	.7	.0	TRACE	.0	1.5
73	TRACE	.1	TRACE	TRACE	.7	.0*	.7	.0	.0	.0	1.5	.0	* 1.6
74	.7	TRACE	.7	.7	.7	.0	.0	.0*	.0	TRACE	.0	.2	*.9
75	TRACE	.0	1.7	.3*	.7	.3	.0	.0	.7	.0	.0	TRACE	* 2.3
76	4.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.6	4.6
77	1.4	.3	2.1	.8	.7	.0	.7	.0	.7	.0	TRACE	TRACE	4.6
78	2.7	2.4	4.0	TRACE	.7	.0	.0	.0	.0	.0	3.0	1.2	13.3
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-80-3 (OEA)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

005831 STATION LAKENHEATH RAF UK STATION NAME 49-87 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	11.9	11.7	1.1	.5	TRACE	.7	.3	.2	.2	.2	TRACE	TRACE	24.5
80	TRACE	TRACE	TRACE	TRACE	.3	.2	.3	.2	.2	.2	3.8	.5	8.3
81	1.7	.6	.2	TRACE	TRACE	.7	.3	.2	.2	.2	.3	11.7	12.4
82	.9	TRACE	TRACE	TRACE	TRACE	.2	.2	.2	.2	.2	.2	TRACE	* .9
83	TRACE*	2.3	TRACE	.2	.7								
MEAN	2.18	2.52	.95	.18	TRACE	.71	.00	.30	.00	TRACE	.65	1.60	9.88
S.D.	2.705	3.946	1.594	.467	.000	.054	.000	.200	.000	.000	1.465	2.798	6.307
TOTAL OBS.	995	908	1010	930	1035	976	1014	1015	987	1006	998	979	11897

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-883 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION 1 LAKENHEATH RAF UK STATION NAME

52-83

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)																	
	NONE	TRACE	01	02	05	06	10	11	25	26	50	51	100	101			250	251	500	501	1000	1001	2000	OVER 2000	MEAN	GREATEST	LEAST							
SNOWFALL	NONE	TRACE	01	04	05	14	25	34	44	54	64	104	154	254	504	OVER 504																		
SNOW DEPTH	NONE	TRACE	1	2	3	4	6	7	12	13	24	25	36	37	48	49	60	61	120	OVER 120														
JAN	85.6	6.4	4.7	1.7	1.1	1.2																						7.9	947					
FEB	84.5	7.4	2.8	2.5	1.7	.9	.1																					8.7	846					
MAR	97.5	1.8	.3	.2		.1																						.6	932					
APR	99.9	.2																															888	
MAY	100.0																																891	
JUN	100.0																																856	
JUL	100.0																																921	
AUG	100.0																																926	
SEP	100.0																																919	
OCT	100.0																																953	
NOV	98.4	.7	.4	.2	.1	.2																											1.0	910
DEC	92.9	3.1	2.1	1.4	.5																												4.1	938
ANNUAL	96.6	1.6	.8	.5	.3	.2	.7																										1.8	17927

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 APO WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH

FROM DAILY OBSERVATIONS

025031 LAKENHEATH RAF UK  
STATION STATION NAME

52-83  
YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52												TRACE	TRACE	
53		1	1	1	1	1	1	1	1	1	1	1	1	1
54		1	1	1	1	1	1	1	1	1	1	1	1	1
55		1	6	TRACE	1	1	1	1	1	1	1	1	1	1
56		1	3	1	1	1	1	1	1	1	1	1	1	1
57		*	1*	1*	1*	1*	1*	1*	1*	1*	1*	1*	1*	*
58		*TRACE*	2*	1*	1*	1*	1*	1*	1*	1*	1*	1*	1*	*
59		TRACE	1	1	1	1	1	1	1	1	1	1	1	TRACE
60		*	4	TRACE	1	1	1	1	1	1	1	1	1	*
61		1	1	1	1	1	1	1	1	1	1	1	1	1
62		5	2	1	1	1	1	1	1	1	1	1	1	1
63		4	4	TRACE	1	1	1	1	1	1	1	1	1	TRACE
64		1	1	1	1	1	1	1	1	1	1	1	1	1
65		1	1	1	1	1	1	1	1	1	1	1	1	1
66		1	1	1	1	1	1	1	1	1	1	1	1	1
67		1	1	1	1	1	1	1	1	1	1	1	1	1
68		1	1	1	1	1	1	1	1	1	1	1	1	1
69		1*	2	1	1	1	1	1	1	1	1	1	1	1
70		1	1	1	1	1	1	1	1	1	1	1	1	1
71		1	1*	1	1	1	1	1*	1	1	1	1	1	1
72		1	TRACE	1	1	1	1	1	1	1	1	1	1	1
73		1	1	1	1	1	1	1*	1	1	1	1	1	1
74		1	1	TRACE	1	1	1	1	1	1	1	1	TRACE	TRACE
75		1	1	TRACE	TRACE*	1	1	1	1	1	1	1	1	TRACE
76		4	1	1	1	1	1	1	1	1	1	1	1	1
77		TRACE	1	1	TRACE	1	1	1	1	1	1	1	1	TRACE
78		1	2	1	1	1	1	1	1	1	1	1	1	1
79		5	1	TRACE	1	1	1	1	1	1	1	1	1	1
80		TRACE	1	1	1	1	1	1	1	1	1	1	1	1
81		TRACE	TRACE	1	1	1	1	1	1	1	1	1	1	1
MEAN														
SD														
TOTAL OBS														

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH

FROM DAILY OBSERVATIONS

035831 LAKENHEATH RAF UK  
STATION STATION NAME

50-03

YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
82													
83	TRACE*TRACE												
MEAN	1.0	1.1	.3	TRACE	.7	.0	.1	.1	.1	.0	.4	.6	2.5
SD	1.598	1.904	.844	.000	.000	.000	.000	.000	.000	.000	1.136	1.013	2.203
TOTAL OBS	947	846	932	888	891	858	921	926	919	953	910	938	10927

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SURFACE WINDS

FROM DAILY OBSERVATIONS

075833 LAKENHEATH RAF UK STATION

60-87 YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS	
60	WNW*35SSW	30WNW	31SW	34E	22S	29WSW	30SE	23NW	38NW	24SW	*28WSW	42	WSW 42	
61	W	37NSW	46NNW*35SW	28W	*12NNW	23W	31WSW	40SSW*30NNW	35SW	40SW	*41	WSW 46		
62	SSW*45W	*41SE	*32SW	*34SSW	*33WSW	*35WSW	30SSW	32S	76WNW	33N	34W	54	W 54	
63	FNE*35ESE	*33SW	*40SE	32W	*39W	37SW	27SW	*35W	*27ESE	*28SW	47SW	*26	SW 47	
64	W	*29W	*27E	*28NNW	31S	75NE	71WSW	32SSW	28WSW	44SSW	33SW	37W	45	W 45
65	S	43W	32ENE	35NNW	40WSW	43WSW	39WSW	35W	32W	40SW	32WSW	44WSW	47	WSW 47
66	WSW	38SSW	39W	53SSW*30SW	51W	34W	35WSW	34WSW	34SW	34W	42WSW	48	W 53	
67	NNW	37W	54SW	44NNW	41SSW	47SW	36NNW	28W	33SSW	50WSW	51W	42SW	37	W 54
68	SW	48S	34N	54SW	38WSW*37S	*3834/	5027/	2922/	4323/	3333/	3317/	76	N 54	
69	16/	4236/	4025/	3827/	4820/	3435/	2837/	2436/	2625/	3629/	2822/	42 6/	76	27/ 48
70	11/	3329/	4629/	3636/	3529/	3428/	2922/	3522/	3821/	3729/	3425/	4210/	32	29/ 46
71	23/	31 3/	32 5*	29			24*	4027/	3224/	3731/	3719/	40		
72	28/	4715/	3125/	3926/	3823/	4026/	34 7/	3119/	3718/	3127/	3730/	4220/	78	28/ 47
73	19/	3523/	4132/	2927/	54 9/	4729/	2727/	2724/	39 9/	3127/	3825/	3631/	40	27/ 54
74	27/	5618/	4521/	38 6/	3012/	2925/	3626/	38 4/	3021/	5036/	3420/	4026/	41	27/ 56
75	24/	5219/	28 2/	3826/	30 2*	3821/	3226/	3523/	2927/	4727/	3917/	3626/	37	24/ 52
76	25/	7136/	4423/	3929/	3426/	4223/	77 7/	27 6/	2826/	3415/	4018/	4118/	36	25/ 77
77	21/	4025/	4123/	4226/	45 4/	3922/	3425/	2830/	3022/	3427/	3424/	5323/	64	23/ 64
78	31/	5315/	3423/	4234/	3135/	2924/	3226/	2724/	2527/	3828/	3419/	39 6/	45	31/ 53
79	33/	43 4/	3422/	4224/	3920/	3523/	2716/	2719*	22	12*	2624/	3724/	00	
80	13/	4920/	24 6/	3332/	38 4/	3123/	1934/	3223/	3525/	4522/	4525/	4123/	37	13/ 49
81	29/	4123/	4123/	38 2/	3618/	3121/	3127/	2825/	2721/	4322/	4727*	4812*	50	12* 50
82	9/	3212/	2628/	4224/	3831/	38 8/	3324/	2825/	3727/	3714/	3221*	3722/	41	28/ 42
83	24/	4425/	4224/	5435/	3423/	28								
MEAN	43.3	37.9	40.4	36.9	35.6	31.9	31.1	31.6	39.1	35.6	42.2	41.8	53.1	
S D	9.723	7.519	7.073	6.382	6.801	4.392	5.537	4.914	5.982	6.234	4.568	7.324	7.943	
TOTAL OBS	718	654	777	675	694	644	677	653	648	681	668	692	8111	

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

9 (BASED ON LESS THAN FULL MONTHS AND >120 KNOTS)

U S AIR FORCE  
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APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 07831 LAKENHEATH PAR UK STATION NAME 74-53 YEARS JAN MONTH  
 ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.5	.2	.1		.2	.1					2.2	7.7
NNE	.1	.2	.6	.2								1.2	7.5
NE	.7	.5	.9	.1								1.8	6.8
ENE	.4	.6	.2	.5	.3							2.2	9.4
E	.7	.6	.6	.3	.3							2.3	8.8
ESE		1.4	1.2	.2	.2							3.2	8.0
SE	.6	1.0	1.4	.5	.3							3.7	8.2
SSE	.9	1.9	1.7	1.6	.5							5.7	9.7
S	2.3	1.9	3.2	5.1								12.5	8.6
SSW	1.3	2.4	4.4	4.2	.9	.4		.1				13.7	10.0
SW	.9	1.4	3.9	4.7	.4	.3						11.6	10.3
WSW	.6	1.2	3.4	3.9	.3	.1						9.6	10.0
W	.4	1.8	2.5	2.5	.5	.2		.1				8.1	10.5
WNW	.3	1.6	1.1	.9	.2	.2						4.3	8.9
NW	.1	.8	.9	1.0								2.7	9.8
NNW	.2	.5	.3	.2								1.3	6.7
VARBL			.9	.5	.4							1.7	13.3
CALM												11.5	
	9.8	18.5	27.3	26.6	4.5	1.5	.1	.2				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 179931 STATION NAME LAKENHEATH RAF UK YEAR 70-83 MONTH JAN  
 CLASS ALL WEATHER DDDDD 0100-2500  
 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	.0	.4	.5		.1	.7						2.2	7.7
NNE	.3	1.1	.4									2.3	5.0
NE	.6	.4	.5									1.5	5.3
ENE		.1	.5	.5	.7							1.5	11.4
E	.3	.0	.8	.8								2.7	8.4
ESE	.4	1.1	.6									2.2	5.4
SE	.7	1.2	1.9	1.0	.1							4.3	8.5
SSE	.8	1.7	2.0	1.9	.5	.1						7.1	9.1
S	1.7	2.4	3.1	3.3	1.1	.7						11.8	9.5
SSW	.0	2.2	4.2	5.1	.8	.1						13.1	10.0
SW	.4	2.3	4.3	3.8	.4	.9						12.4	10.1
WSW	.6	.9	3.3	4.0	.1	.7						9.1	10.4
W	.9	1.8	1.6	3.1	.6							8.1	9.9
WNW	.3	1.7	1.3	.4	.1							3.1	8.0
NW		1.2	.0	.8								2.8	8.4
NNW	.5	.9	.2	.1								1.7	5.1
VARBL			.6	1.0	.3							1.9	13.0
CALM												12.3	
	9.7	19.4	26.9	25.7	4.4	1.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 13933 LAKENHEATH RAF UK YEAR 74-83 MONTH JAN  
STATION NAME YEAR MONTH  
 CLASS ALL WEATHER 2630-CDD  
CLASS NUMBER (L.S.T.)  
 CONDITION \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.8	.4	.1	.2							1.8	7.4
NNE	1.3	.5	.6									2.5	4.4
NE	.7	.2	.5	.2								1.2	7.2
ENE	.4	.1	.3	.5								1.4	8.4
E	.8	.4	.6	1.1								2.9	8.9
ESE	.4	1.1	.6									2.4	5.6
SE	.5	1.9	1.4	.5	.2		.1					4.7	7.9
SSE	.8	1.5	2.4	2.4	.6							7.6	9.8
S	1.7	2.7	2.9	3.4	1.7	.2						11.9	9.2
SSW	.6	2.2	3.7	4.6	.6	.3						11.4	10.6
SW	.6	2.9	4.4	5.1	.8	.9	.1					14.6	12.7
WSW	.9	1.2	4.0	3.0	.3	.1	.1					9.6	9.7
W	.6	1.2	2.4	2.4	.5							7.1	9.9
WNW	.8	.6	.6	.9	.2							3.1	8.3
NW	.2	1.7	1.3	.9	.2							3.5	9.0
NNW	.5	.5	.3	.3								1.7	6.3
VARBL			.1	1.7	.1							1.2	13.5
CALM												11.3	
	17.8	18.8	26.2	26.3	9.8	1.4	.3					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35831 LAKENHEATH RAF UK YEARS 74-83 MONTH JAN  
 CLASS ALL WEATHER MONTHS 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.0	.6	.7	.1							2.2	7.0
NNE	.5	.5	.3									1.4	4.6
NE	.7	.5	.3									1.1	4.9
ENE	.1	.1	.9	.6	.7							1.9	11.2
E	.3	.3	1.1	.8	.3	.1						2.9	10.7
ESE	.4	1.6	1.0	.2								3.2	6.3
SE	.6	1.4	1.1	1.7	.1	.1						4.3	7.9
SSE	.4	1.6	2.5	1.4	.5	.1						6.6	9.2
S	1.7	7.8	4.4	3.8	1.0	.1						13.7	9.6
SSW	.1	1.9	4.1	3.4	1.3	.3						11.2	11.2
SW	.6	2.0	4.2	4.6	1.1	1.7	.1					13.7	11.4
WSW	.8	1.3	2.9	5.4	.4	.2						11.7	10.7
W	.9	1.6	1.9	2.7	.6	.5						8.3	10.7
WNW	.9	.5	1.2	.8	.2							3.6	8.5
NW	.8	1.7	1.2	1.0	.2							4.1	8.5
NNW	.3	.4	.6	.3								1.7	7.9
VARBL			.9	1.1	.6							2.5	13.6
CALM												7.5	
	8.4	18.5	29.0	27.2	6.8	2.5	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 035931 STATION NAME LAKENHEATH RAF UK YEARS 74-83 MONTHS JAN  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.4	.8	.6	.2							2.5	9.1
NNE	.1	.5	.5	.1								1.3	7.0
NE	.2	.3	.6	.4	.1							1.7	8.6
ENE	.2	.1	.5	.9	.1							1.8	10.6
E	.1	.1	1.4	1.2	.3	.1						3.2	11.7
ESE	.1	.9	.6	.3	.2							2.2	8.8
SE	.9	1.0	1.6	1.6	.3							5.4	9.0
SSE	1.0	1.0	1.4	1.8	.3	.2						5.7	9.4
S	.4	1.2	3.5	5.4	1.2							11.7	11.1
SSW	.3	1.3	4.0	3.1	1.4	.2						10.3	11.2
SW	.3	1.6	3.3	3.8	1.6	.3		.1				11.1	11.9
WSW	.2	1.3	3.2	5.2	1.3	.6						11.8	12.1
W	.4	1.2	2.8	4.1	2.6	1.0	.2					12.3	13.3
WNW	.5	1.3	1.7	1.5	.4	.1						5.6	9.9
NW	.5	1.3	1.3	1.0								4.1	7.8
NNW	.2	1.2	1.1	.6	.2	.1						3.4	9.1
VARBL	.2		.4	.5	.9	.2	.1					2.4	15.4
CALM												3.5	
	6.2	14.6	28.9	32.2	11.2	2.9	.3	.1				100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 029831 STATION NAME LAKENHEATH RAF UK YEARS 74-83 MONTH JAN  
 CLASS ALL WEATHER MONTHS 1500-1700  
 CONDITION \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.3	1.2	.5	.3		.1					3.1	9.4
NNE	.1	.3	.5									1.0	5.8
NE	.1	.5	.4	.3								1.4	7.8
ENE	.3	.7	.6	.9	.3							2.4	10.8
E	.4	.8	.8	.8	.2							2.9	8.8
ESE	.4	.6	1.7	.2	.1	.7						2.6	8.6
SE	.8	.8	1.9	.4								3.9	7.7
SSE	.5	1.6	2.0	1.6	.1	.7						6.2	8.9
S	.8	2.7	4.5	3.9	.5	.4						12.2	17.0
SSW	1.4	1.6	2.4	3.2	1.7							9.6	9.8
SW	.4	1.8	4.0	4.3	.6	.7						12.4	10.2
WSW	.5	1.8	3.9	3.0	1.4	.4						11.1	11.7
W	.9	1.4	1.7	3.5	1.2	.1						8.8	11.1
WNW	.9	.9	1.3	1.8	.7							5.2	9.7
NW	1.6	.5	1.4	1.0								4.5	6.7
NNW	.3	1.4	1.1	.6	.3	.1						3.9	8.7
VARBL			1.7	.6	.4	.4						2.5	14.3
CALM												6.1	
	17.2	17.1	37.6	26.8	6.9	2.2	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 35831 STATION NAME: LAKENHEATH RAF UK YEARS: 74-83 MONTH: JAN  
 CLASS: ALL WEATHER MONTHS (L.S.T.): 1979-2000  
 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	1.7	.3	.6	.1	.2	.1					2.6	10.5
NNE	.4	.4	.7									1.1	4.6
NE	.1	.5	1.7	.8								2.4	8.9
ENE	.2	.2		.6	.4							1.5	11.9
E	.4	.4	.0	.5	.3							2.6	9.5
ESE	.4	.6	1.1	.2	.1	.1						2.5	7.7
SE	.5	1.8	1.2	.4	.1							4.1	6.7
SSE	1.3	1.7	2.4	2.5	.2							8.1	8.2
S	.9	1.7	4.7	2.7	.4	.1						9.8	9.5
SSW	1.4	1.8	4.4	4.7	.6	.1	.2					12.6	10.0
SW	.6	2.9	5.3	3.7	.6	.9						14.7	17.0
WSW	.5	2.0	3.4	2.7	.8	.3						9.8	9.8
W	.6	1.2	3.7	3.7	.8	.1						8.4	10.5
WNW	.8	.5	1.1	1.4	.1	.1						4.2	9.8
NW	.4	.2	1.1	.9								2.6	8.6
NNW	.2	.4	1.4	.7	.1							2.4	8.5
VARBL			.3	.9	.1	.1		.1				1.5	14.8
CALM												10.2	
	9.1	17.6	30.6	25.1	4.8	2.0	.3	.1				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 07801 LAKENHEATH RAF UK YEARS 74-83 MONTH JAN  
 STATION NAME LAKENHEATH RAF UK CLASS ALL WEATHER HOURS (L.S.T.) 0100-2300  
 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	.9	.6	.5	.3	.1	.2						2.3	8.3
NNE	.7	.7	.7									.9	4.9
NE		.4	.9	.6								1.8	9.6
ENE	.1		.6	.8	.1							1.6	11.6
E	.3	.8	.9	.3	.3							2.6	8.3
ESE	.7	1.1	1.1	.4	.1							2.9	8.1
SE	.8	1.4	1.9	.3	.7							4.6	7.1
SSE	.9	1.9	2.3	1.9	.1	.1						7.2	8.6
S	1.7	2.4	3.5	3.2	.2	.2						11.3	8.4
SSW	1.4	2.2	4.3	4.2	.3	.4	.1					12.9	9.6
SW	1.7	2.6	4.1	5.4	.9	1.7						14.3	10.9
WSW	.5	1.7	2.5	3.3	.4	.1		.1				8.7	17.1
W	1.4	1.3	2.3	2.7	.3	.2	.1		.1			8.4	16.2
WNW	.4	1.1	1.6	1.1								4.2	9.1
NW		.6	.8	.8	.1							2.3	9.8
NNW		.7	1.2	.1								1.5	8.5
VARBL			.2	1.1								1.3	12.4
CALM												10.3	
	9.8	18.4	28.9	26.6	3.2	2.4	.2	.1	.1			100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 07931 LAKENHEATH RAF UK STATION NAME 74-83 YEARS JAN  
 CLASS ALL WEATHER MONTH ALL  
 CONDITION \_\_\_\_\_ HOURS (L.E.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.6	.6	.7	.1	.1	.7					2.4	3.5
NNE	.4	.5	.5	.7								1.5	5.7
NE	.7	.4	.6	.3	.7							1.5	7.6
ENE	.7	.2	.5	.7	.2							1.3	15.5
E	.4	.5	.9	.7	.7	.7						2.9	9.4
ESE	.3	1.7	.9	.2	.1	.7						2.6	7.3
SE	.5	1.3	1.5	.7	.7	.7	.5					4.4	7.8
SSE	.8	1.6	2.1	1.9	.8	.1						6.2	8.9
S	1.3	2.1	3.7	3.8	.7	.2						11.9	9.5
SSW	.9	1.9	3.8	4.0	.9	.7	.7	.7				11.8	15.3
SW	.7	2.2	4.3	4.4	.8	.7	.7	.7				13.1	10.7
WSW	.6	1.4	3.3	3.8	.6	.3	.7	.7				12.1	10.5
W	.8	1.4	2.2	3.0	.9	.3	.7	.7	.7			8.7	12.9
WNW	.6	.9	1.2	1.1	.2	.1						4.1	9.0
NW	.5	.8	1.1	.9	.1							3.3	8.4
NNW	.3	.7	.8	.3	.1	.7						2.2	7.9
VARBL	.7		.5	.8	.8	.1	.7	.7				1.9	13.9
CALM												9.1	
	9.2	17.9	28.6	27.0	5.8	2.1	.2	.1	.7			100.7	8.8

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 031831 LAKENHEATH PAF UK YEARS 74-83 FROM 000 TO 200 HOURS (LST)

STATION NAME LAKENHEATH PAF UK 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	1.4	2.7	1.2	.5								5.1	5.8
NNE	1.3	1.9	1.3	.5								5.2	6.3
NE	1.0	2.6	2.7	.6	.1							8.2	6.5
ENE	.7	1.8	2.6	1.2								6.3	7.8
E	.5	1.7	1.7	1.4	.1							5.5	8.0
ESE	1.7	2.2	1.6	.4	.4							5.7	6.7
SE	.2	2.7	2.2	.7	.1							6.7	7.1
SSE	1.6	1.2	1.9	1.2								5.9	6.8
S	1.7	1.2	2.7	2.0	.5							7.4	8.5
SSW	.2	1.6	2.5	1.6	1.2							7.6	9.6
SW	.7	.8	2.9	1.3	.2	.7						6.2	9.4
WSW	.1	1.2	2.9	1.2	.4	.1	.2					6.1	10.4
W	.7	.5	1.1	.7								3.7	7.7
WNW	.8	.2	.7			.1						1.4	5.8
NW	.1	.2	.5	.5								1.3	8.9
NNW	1.1	.7	.2	.2								2.3	4.7
VARBL			.8	.8	.1							1.8	11.9
CALM												15.3	
	15.2	22.6	28.3	14.8	3.1	.5	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 10931 STATION NAME LAKENHEATH RAF UK YEARS 74-83 MONTH FEB  
 CLASS ALL WEATHER HOURS (L & T) 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	1.5	2.4	.8	.5								5.3	5.4
NNE	1.6	1.8	1.4	.7	.1	.1						5.3	6.2
NE	1.1	2.6	2.2	.7		.1						2.7	6.9
ENE	.8	1.7	2.7	1.7	.1							5.2	7.9
E	1.7	1.4	2.6	1.0								6.2	8.2
ESE	1.7	2.5	1.6	.6								5.6	6.4
SE	1.7	1.9	1.4	1.3								5.5	7.4
SSE	1.2	1.7	2.2	.7	.2							6.7	7.7
S	1.6	1.8	1.4	1.8	.7	.7						7.2	8.7
SSW	.8	1.2	1.7	1.8	.5							6.1	9.3
SW	.4	1.7	2.7	1.1	.1	.7						6.3	9.1
WSW	.6	.8	3.2	1.2	.6		.1					6.5	9.6
W	.4	.4	1.1	.6								2.4	8.0
WNW	.6	.8	.7	.4								2.1	6.4
NW	.4	.5	.5	.4								1.1	7.5
NNW	.4	.2	.1									.7	3.8
VARBL			.5	.7	.2							1.7	12.7
CALM												17.0	
	14.1	23.8	26.4	15.2	2.3	.7	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 07871 LAKENHEATH RAF UK YEARS 74-93 MONTH SEP  
STATION NAME CLASS  
ALL WEATHER  
CONDITION  
7400-0800  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	1.2	.7	.4		.1						4.2	5.8
NNE	1.8	1.6	1.2	.2	.1	.1						4.3	5.8
NE	2.7	1.7	2.7	.8	.1							6.7	6.5
ENE	.5	1.1	1.0	1.9	.7							6.5	9.0
E	1.3	1.0	2.5	2.3	.1							9.1	8.1
ESE	.5	3.3	1.6	.4								5.7	6.1
SE	1.2	2.4	1.2	.4								5.1	5.6
SSE	.6	2.2	2.5	1.1	.5							6.8	8.4
S	1.7	1.7	1.9	2.5	.7	.7						7.5	9.2
SSW	1.2	1.1	3.7	.8	.5							7.7	8.4
SW	.2	1.7	1.7	1.1								5.3	7.5
WSW	.3	1.1	1.4	1.4	.4	.7						5.4	9.2
W	.7	.5	1.4	.7								3.3	7.9
WNW	.5	.4	.4	.8								2.2	7.8
NW		.1	.4	.4								.9	1.3
NNW	.4	.5	.5	.2								1.6	6.8
VARBL			.6	.8	.7							1.7	12.5
CALM												19.2	
	15.4	2.9	25.3	16.2	2.3	.7						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFS WEATHER SERVICE/MAC

### SURFACE WINDS

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

75231 STATION LAKEHURST AFB TX 74-83 YEARS 1950-1959  
 CLASS ALL WEATHER HOURS (L & T) 1950-1959  
 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	1.4	1.1	.7		.7						4.4	7.2
NNE	.5	1.9	1.7	1.0	.4	.1						4.2	8.5
NE	1.7	1.4	1.6	1.0	.1							5.7	6.7
ENE	.6	1.6	3.7	2.4	.7							7.8	9.7
E	.4	1.8	2.7	3.7								7.2	9.7
ESE	.4	1.3	1.6	1.4	.1							5.3	8.6
SE	.3	1.1	2.2	1.3								5.4	7.8
SSE	.5	1.6	1.8	1.8								5.6	8.4
S	1.2	1.6	2.4	3.1	.8	.7						9.7	12.7
SSW	.2	1.3	1.8	2.7	.5							5.9	9.7
SW	1.0	1.3	2.7	2.5	.6							8.1	9.3
WSW	1.0	.9	1.7	1.1	.4	.1	.1					5.1	9.4
W	.5	.6	1.2	.7	.7							3.2	3.8
WNW	.5	1.1	.1	1.0								2.6	7.6
NW	.7	1.3	.4									2.4	4.9
NNW		.1	.7	.1								1.7	8.3
VARBL			3.0	1.2	.1	.7						4.5	11.1
CALM												1.0	
	12.9	20.5	28.1	25.0	3.5	1.7	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 07831 STATION NAME: LAKENHEATH RAF MK YEAR: 74-83 MONTH: FEB  
 CLASS: ALL WEATHER HOURS (L.S.T.): 1700-1400  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.0	1.3	.7	.5	.7						3.3	10.6
NNE	.5	.8	1.6	1.3	.5	.2						4.9	10.3
NE		1.9	1.9	1.8	.1							5.7	8.9
ENE	.4	1.7	2.6	3.8	.7	.1						8.8	9.9
E	.4	1.9	2.2	3.0	.5							7.9	10.1
ESE	.5	.5	1.4	2.4	.7							5.1	10.2
SE	.5	1.7	1.3	1.4	.1							5.0	8.1
SSE	.9	1.1	1.6	2.4	.1							6.0	9.1
S	1.7	1.6	2.2	3.1	.5	.2						9.5	10.2
SSW	.7	1.1	2.5	3.3	.2							7.4	10.8
SW	.0	1.4	1.6	1.8	.7	.1						5.5	9.9
WSW	.4	1.1	1.2	1.1	.4	.2		.1				4.4	11.1
W	1.1	1.0	1.3	2.2	.7							7.2	9.1
WNW	.2	1.7	.6	.5	.1							3.1	7.2
NW	.7	1.4	.6	.6								2.9	7.2
NNW	.4	.5	1.4	.4		.1						2.9	8.4
VARBL			2.4	2.2	.4	.2	.1					5.3	12.0
CALM												4.7	
	7.5	21.3	27.6	31.9	5.3	1.6	.1	.1				170.6	9.3

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 079031 LAKENHEATH RAF UK STATION NAME 74-83 YEARS FE3  
 CLASS ALL WEATHER HOURS (LST) 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.4	1.3	.7	.4							4.3	8.2
NNE	1.7	.3	2.7	.6	.4							4.8	8.3
NE	.5	.8	3.7	1.5	.2							5.8	9.2
ENE	.4	1.7	3.1	3.1	.4							8.6	9.4
E	1.7	2.7	2.3	2.6	.4							8.9	8.5
ESE	1.0	1.2	1.0	2.4	.1							6.5	8.6
SE	.6	.8	2.6	1.0	.1							5.1	8.7
SSE	1.7	1.1	3.1	1.4								6.5	8.7
S	1.2	1.7	3.1	1.9	.5	.1						9.5	8.8
SSW	.6	1.4	1.7	2.0	.4	.1						6.2	9.7
SW	.9	.6	1.4	1.7	.4	.1						5.7	9.9
WSW	.3	.7	1.2	1.7	.5							4.2	9.3
W	1.4	1.3	2.0	1.2	.7							6.7	8.7
WNW	.6	1.7	1.7	.6								3.1	7.2
NW	.6	1.7	.5	.5								2.5	6.5
NNW	.4	.8	1.8									3.7	6.9
VARBL		.1	1.0	1.7	.5	.1						3.3	12.9
CALM												7.0	
	12.1	19.2	32.6	23.8	4.8	.5						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 690

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 175631 STATION NAME LAKENHEATH RAF UK YEAR 74-83 FEB 1977-2000  
MONTHS  
 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	1.7	1.7	1.4	.7	.1							4.9	7.7
NNE	1.2	2.5	1.2	.5								5.4	5.8
NE	1.8	2.1	1.9	.7	.7							6.3	6.6
ENE	1.4	2.7	3.6	1.9								9.9	7.6
E	1.2	2.9	1.7	1.8	.4							7.9	7.5
ESE	1.7	2.3	1.8	1.4								7.2	6.7
SE	.7	1.5	2.9	1.6								5.7	8.3
SSE	1.2	1.9	1.7	1.6	.1							5.1	7.9
S	1.2	1.3	3.7	2.8	.2	.5						8.7	9.6
SSW	.6	.8	1.3	1.1	.2	.2						4.3	9.9
SW	.4	1.1	1.7	2.1	.6							5.8	.1
WSW	.4	.5	1.2	1.2	.1							3.3	.7
W	.3	1.1	1.1	1.3	.1							4.4	7.9
WNW	.5	.8	.6	.1	.1							2.1	6.9
NW	.7	.7	.6	.1								2.1	5.7
NNW	.4	.4	.1	.2								1.1	5.4
VARBL			.4	.6	.1							1.1	12.8
CALM												13.1	
	15.7	23.6	25.7	19.5	2.4	.7						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 338

DIGITAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 035931 STATION NAME LAKENHEATH RAF UK YEARS 74-83 FEB  
MONTH  
 ALL WEATHER CLASS ALL WEATHER 2100-2300  
MOUSE (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	2.6	.7	.7								6.2	5.4
NNE	1.7	2.2	1.9	.4	.1							5.4	6.4
NE	1.9	1.9	1.3	.4								5.5	5.5
ENE	.8	1.6	2.6	1.7	.1							6.8	8.1
E	2.7	1.9	2.0	1.9	.4							8.2	7.5
ESE	1.2	3.7	2.7	.8								7.0	6.5
SE	.4	2.4	1.8	1.6								6.1	7.6
SSE	1.7	1.6	1.3	1.0								5.7	7.8
S	1.3	1.3	2.6	3.6								8.8	9.2
SSW	.8	1.7	2.6	2.9	1.7							8.2	10.2
SW	.4	.7	.6	.8	.2							2.7	8.9
WSW		.4	2.0	1.6	.4	.1						4.9	11.1
W	1.6	1.4	1.8	.6								5.4	6.4
WNW	.8	.4	.5	.1								1.8	5.5
NW	.5	.2	.2	.4	.1							1.4	7.5
NNW	.1		.2	.1								.5	9.0
VARBL		.1	.5	.4	.4							1.3	12.1
CALM												14.3	
	15.9	22.6	24.7	19.7	2.6	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 12831 STATION NAME: LAKENHEATH RAF UK YEARS: 74-83 MONTH: FEB  
 CLASS: ALL WEATHER MONTHS (L.S.T.): ALL  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	1.1	.6	.1	.1						4.3	6.7
NNE	1.1	1.7	1.4	.6	.2	.1						5.7	7.1
NE	1.4	1.9	2.7	.9	.1	.7						6.4	7.1
ENE	.7	1.6	2.7	2.2	.1	.7						7.4	8.6
E	1.7	2.7	2.1	2.3	.2							7.7	8.5
ESE	.9	2.1	1.7	1.2	.1							6.7	7.4
SE	.7	1.8	1.9	1.1	.7							5.6	7.6
SSE	1.7	1.5	2.9	1.5	.1							6.1	8.0
S	1.7	1.5	2.3	2.6	.4	.7						8.2	9.3
SSW	.6	1.2	2.2	1.9	.6	.7						6.6	9.7
SW	.7	1.2	1.9	1.6	.4	.1						5.7	9.2
WSW	.5	.8	1.9	1.2	.4	.1	.7	.7				4.9	10.0
W	.9	1.7	1.4	1.7	.2							4.4	9.1
WNW	.6	.8	.5	.4	.7	.7						2.4	6.9
NW	.4	.7	.4	.3	.7							1.9	6.7
NNW	.4	.4	.6	.2	.7	.7						1.6	6.6
VARBL		.7	1.1	1.7	.7	.1	.7					2.6	12.0
CALM												12.7	
	13.3	21.9	27.3	27.8	3.3	.7	.1	.7				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 6700

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 135831 STATION NAME LAKENHEATH RAF UK YEARS 74-83 MAG 0000-0200  
 CLASS ALL WEATHER HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.7	2.4	.4								6.1	5.9
NNE	.9	.4	2.0	.9		.1						4.3	8.7
NE	.2	.4	.5	1.2	.2	.1						2.7	11.6
ENE	.3	.4	1.1	.4								2.3	7.5
E	.6	1.1	1.4	1.0								4.1	7.5
ESE	.3	1.3	1.2	.2								3.0	6.6
SE	.7	3.2	1.3	.3	.1							5.3	6.5
SSE	1.1	1.5	1.3	.6	.1							4.6	6.5
S	1.5	2.4	2.0	1.7	.7	.4						9.1	8.8
SSW	1.0	.9	4.5	2.4	.9	.2						9.8	10.0
SW	.6	2.3	3.3	4.3	1.7	.1						11.6	10.1
WSW	.9	2.7	2.4	1.6	.5	.2						8.3	8.7
W	.4	1.7	1.2	1.2	.5							5.1	9.8
WNW	.2	1.1	1.0	.2	.1							2.6	7.8
NW	.8	1.0	.5	.3	.3							2.9	7.8
NNW	.3	1.1	.6	.1								2.2	6.1
VARBL			.8	.2	.2	.1						1.3	12.0
CALM												14.8	
	11.1	23.1	28.4	17.1	4.2	1.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

75831      LAKENHEATH RAF UK      74-83      MAP  
STATION      STATION NAME      YEARS      MONTHS

ALL WEATHER  
CLASS

CONDITION

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.7	1.7	.8								4.3	6.5
NNE	.4	.9	2.4	.8	.1	.2						4.7	8.8
NE	.5	1.2	.8	1.1	.3	.1						4.7	8.7
ENE	1.2	.8	.8	.2								2.7	5.5
E	.9	.6	1.8	.3								3.5	6.9
ESE	.3	1.5	1.4	.2								3.4	6.7
SE	.8	1.8	.6	.3								3.5	5.8
SSE	1.5	1.9	2.5	.5								6.6	6.1
S	1.4	1.1	3.7	2.8	.3							8.6	9.2
SSW	1.4	2.6	3.9	2.8	.2							10.9	8.2
SW	1.7	1.9	3.4	2.4	.5		.1					9.4	9.3
WSW	1.0	2.0	2.4	3.2	1.3	.1						10.0	10.2
W	.6	1.7	1.3	.6	.1							4.4	7.2
WNW	.6	.5	1.1	.4	.1							2.8	7.7
NW	.4	1.5	1.3	.8								4.0	7.6
NNW	1.2	.5	1.1	.1								2.7	5.9
VARBL			.9	.4								1.3	9.9
CALM												13.2	
	13.7	22.4	29.5	17.7	3.0	.4	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS      930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

### SURFACE WINDS

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

STATION: 75522    LAKENHEATH RAF UK    YEAR: 74-83    MONTH: MAR  
 STATION NAME:    STATION NAME    YEAR    MONTH  
 CLASS: ALL WEATHER    NUMBER OF OBS (L.S.T.): 3620-0800  
 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	1.7	1.5	1.4	.9								6.7	6.3
NNE	.9	1.2	1.5	1.1	.1							4.4	8.3
NE		1.1	1.1	1.6								3.8	9.1
ENE	.9	1.7	1.2	.6	.2							3.7	7.9
E	.1	.8	1.8	.9								3.5	8.6
ESE	.3	1.0	1.7	.5								4.5	7.7
SE	.8	2.8	1.6	.3								5.5	6.1
SSE	1.5	1.5	2.5	.9								6.3	6.7
S	.6	1.9	3.4	2.3	.6							8.9	9.2
SSW	1.3	1.7	3.5	3.5	.3							9.7	9.5
SW	1.3	2.6	2.4	3.1	.8							10.1	9.2
WSW	.9	1.0	2.9	2.6	1.0	.3						8.6	11.5
W	.4	1.0	1.7	.6								3.8	7.5
WNW	.4	1.9	1.7	.8	.1							4.2	7.3
NW	.3	1.3	1.2	1.2								4.0	8.2
NNW	.6	.5	.5	.2								1.9	6.0
VARBL			1.7	.5	.3							1.8	12.8
CALM												9.2	
												110.0	7.6

TOTAL NUMBER OF OBSERVATIONS 3620

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 07931 LAKENHEATH RAF JK STATION NAME: LAKENHEATH RAF JK YEARS: 74-83 MONTH: MAR

ALL WEATHER CLASS: ALL WEATHER PERIOD: 0900-1100 HOURS (L.S.T.)

CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.3	2.6	.5	.1							5.1	7.6
NNE	.1	.3	1.3	1.5	.2							3.4	11.7
NE		.3	.8	2.3	.6							4.2	12.9
ENE	.1	.6	1.7	.9	.4							3.8	11.0
E	.7	.4	.9	1.3	.5							3.6	10.8
ESE		.3	.9	.3	.2							1.7	10.0
SE	.1	.8	3.1	2.0		.1						6.1	9.8
SSE	.5	1.0	2.3	1.0								4.7	8.7
S	.8	1.7	3.0	4.3	.4							10.2	10.1
SSW	.9	1.2	2.8	2.9	.9	.2						8.8	10.7
SW	.5	.8	2.5	2.3	1.5	.5						8.1	12.4
WSW	.6	.5	.9	3.9	1.0	.4						7.3	12.8
W	.4	1.4	2.8	3.4	1.1	.2						9.4	11.2
WNW	.2	.6	1.6	1.3		.1						3.9	9.6
NW	.4	1.3	1.7	2.0	.2							5.7	9.4
NNW	.6	1.8	.5	1.0								4.2	7.8
VARBL			2.3	2.9	1.0	.1						6.2	12.5
CALM												4.2	
	6.1	14.6	31.5	33.8	8.2	1.7						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 25271 STATION NAME LAKENHEATH RAF JK YEARS 74-83 MONTH MAR  
 CLASS ALL WEATHER PERIOD (LST) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.0	2.7	1.8	.1							6.2	8.8
NNE	.1	.9	1.2	2.0	.2	.3						4.7	11.3
NE		.1	.5	2.6	.1	.2						3.7	13.3
ENE	.1	.5	.5	1.9								3.1	11.5
E	.2	.4	1.7	1.7	.3							3.7	11.7
ESE	.1	.9	.4	.5	.3	.2						2.5	11.8
SE	.2	.6	1.1	1.3	.4							3.7	11.6
SSE	.2	1.1	2.2	1.1	.2							4.7	9.7
S	.5	1.4	3.4	3.2	1.3							9.9	11.8
SSW	.4	.3	1.5	4.6	1.3	.5						9.7	13.2
SW	.5	.6	1.3	1.7	1.4	.6	.1					6.4	13.1
WSW	.5	.9	1.5	4.7	1.4	.6						6.9	13.7
W	.9	1.1	2.4	4.7	1.1	.9	.2					11.4	12.3
WNW	.3	1.7	1.3	2.2	.4	.2						5.4	11.7
NW	.3	.5	1.9	1.1	.2							4.1	9.8
NNW	.4	1.8	1.9	1.7	.2							5.4	8.7
VARBL		.7	2.6	3.3	1.3	.2						7.6	12.6
CALM												.9	
	5.6	13.3	27.6	38.1	10.3	3.9	.3					100.7	11.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

79931 LAKENHEATH DAF UK 79-87  
 STATION STATION NAME YEARS MONTH  
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.7	2.5	.2							5.3	9.3
NNE		.9	1.6	2.7	.7	.1						5.5	11.4
NE		.7	.6	2.2	.3							7.4	12.1
ENE		.5	.9	1.3	.1							2.8	17.5
E	.7	1.3	2.3	1.4								5.2	6.7
ESE	.6	.5	.6	.5	.4							2.9	9.2
SE	.7	.4	1.6	1.2								3.4	9.6
SSE	.5	1.1	2.5	1.7	.1							5.2	8.4
S	.4	1.1	2.2	3.1	.6	.1						7.5	10.8
SSW	.7	1.2	2.3	4.3	.9	.2						9.2	11.4
SW	.4	.9	2.3	3.5	1.3	.4						8.9	12.5
WSW	.3	.8	1.3	3.5	1.1	.2						7.2	12.5
W	1.1	1.1	2.8	4.6	1.9	.1						11.6	11.7
WNW	.9	.8	.9	.9	.1							3.3	7.9
NW	.6	1.5	.8	1.1	.2							4.2	3.2
NNW	.2	.5	1.9	.6								4.2	7.2
VARBL		.1	2.2	2.8	.8							5.3	12.1
CALM												1.9	
	7.1	14.2	30.1	37.2	8.3	1.2						100.2	16.4

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

1993 STATION LAKENHEATH RAF UK STATION NAME 74-83 YEARS MAC  
1030-2000 HOURS (L S T)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.6	2.5	1.2	.1							7.4	7.4
NNE	.7	1.7	2.4	1.7	.1	.2						4.3	9.5
NE	.5	1.1	2.2	1.4	.1							5.3	8.7
ENE	.5	1.7	1.3	.5	.7							3.7	7.6
E	1.7	1.9	1.9	1.7	.1							5.9	7.2
ESE	.5	1.6	1.6	.4								4.2	6.4
SE	1.1	1.7	1.5	.4	.1							4.3	6.3
SSE	1.1	1.4	1.6	.9	.2							5.2	7.8
S	.5	1.7	3.5	2.5	.6	.1						8.1	9.5
SSW	.4	1.2	2.2	2.9	.8							7.4	11.3
SW	.5	.9	3.1	3.8	.4							8.7	12.4
WSW	.5	2.7	2.7	2.7	.3	.1						7.7	9.4
W	.6	1.1	2.2	1.9	.5							6.3	9.6
WNW	.7	.5	.5	.7	.1							1.8	8.1
NW	.1	1.1	.2	.1	.1		.1					1.7	7.9
NNW	.9	1.3	.9	.9	.9							3.7	7.1
VARBL			.4	.4	.1							1.7	11.9
CALM												1.2	
	17.1	22.0	29.9	22.3	4.0	.4	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: LAKEHEATH RAF UK YEARS: 74-87 MONTH: \_\_\_\_\_  
 CLASS: ALL WEATHER HOURS (L.S.T.): 0000-2300  
 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	.3	2.7	2.5	.6								5.0	5.7
NNE	.2	1.7	1.6	.4	.7	.1						3.4	7.7
NE	.5	.0	1.7	1.0								4.4	7.2
ENE	.5	1.1	.9	.4	.1							3.1	7.7
E	.7	1.7	1.7	1.7								4.1	8.4
ESE	.7	1.8	1.6									3.7	8.4
SE	.4	2.6	1.1	.2								4.3	5.9
SSE	1.7	2.7	2.7	1.1	.7							7.4	6.9
S	1.2	1.1	3.2	2.3	.4							6.2	9.7
SSW	.7	1.7	3.5	2.4	.6	.1						5.7	10.3
SW	.3	1.5	2.9	4.4	1.2	.3						11.1	11.2
WSW	.6	1.5	2.7	2.4	.6							7.3	9.6
W	1.1	1.8	1.5	1.7								6.1	7.5
WNW	.4	.8	.1	.1								1.4	4.5
NW	.7	1.1	.9	.1	.1	.7						2.5	8.5
NNW	1.1	1.4	.6	.7								3.3	5.4
VARBL			.7	.7								.5	11.6
CALM												13.5	
	11.2	23.4	29.8	19.6	3.7	.2						120.0	7.2

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 00001 STATION NAME: LAKENHEATH RAF UK YEARS: 74-83 MONTHS: MAR  
 CLASS: ALL WEATHER HOURS (L.S.T.): ALL  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	2.4	1.1	.1							5.3	7.4
NNE	.4	.3	1.7	1.7	.2	.1						4.6	2.5
NE	.7	.7	1.1	1.7	.7	.1						3.2	2.2
ENE	.4	.8	1.7	.9	.1							2.1	5.4
E	.4	1.7	1.6	1.1	.1							3.2	8.5
ESE	.3	1.7	1.2	.3	.1	.7						3.2	7.5
SE	.6	1.7	1.5	.8	.1	.3						4.6	7.5
SSE	.7	1.5	2.1	.9	.1							5.6	7.4
S	.9	1.7	3.1	2.8	.6	.1						3.9	9.6
SSW	.3	1.7	3.7	3.2	.7	.2						3.2	10.4
SW	.7	1.4	2.6	3.2	1.7	.3	.7					9.3	13.9
WSW	.7	1.4	1.9	3.7	.9	.7						6.2	10.8
W	.7	1.4	2.7	2.3	.7	.1	.7					7.1	1.2
WNW	.4	.9	.9	.8	.1	.7						3.2	8.5
NW	.4	1.2	1.1	.8	.1	.7	.7					3.2	8.5
NNW	.7	1.1	1.7	.5	.7		.7					3.4	8.8
VARBL	.7	.7	1.7	1.4	.5	.1						3.2	12.2
CALM												5.6	
	9.6	10.5	20.6	25.8	5.6	1.3	.1					17.7	8.5

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 176871 STATION NAME LAKENHEATH PAF UK YEARS 74-83 MONTH APR  
 CLASS ALL WEATHER HOURS (LST) 0000-2200  
 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	4.0	3.7	.4								11.3	5.8
NNE	1.6	2.2	1.0	1.0	.6							7.7	7.4
NE	1.4	.7	1.4	.7								4.2	6.2
ENE	.7	.4	.7	.3								1.3	6.3
E	.7	1.3	1.0	.2	.1							2.0	7.0
ESE	.7	1.0	1.2	.3								4.1	6.1
SE	1.1	2.0	.7									3.3	5.0
SSE	2.2	1.6	.7									4.0	3.7
S	1.4	2.0	1.3	.6								5.3	6.1
SSW	.4	1.1	2.0	1.0	.2							4.8	8.5
SW	.7	1.9	2.0	.9	.2							5.7	7.8
WSW	1.1	.9	1.3	1.1	.4							4.9	8.5
W	1.7	1.4	2.0	.7								5.1	6.7
WNW	.7	1.6	1.6	.4								4.2	6.8
NW	.9	1.2	2.0	.4	.1							4.7	6.9
NNW	.9	1.6	1.1	.1								3.6	5.7
VARBL			.2									.2	7.5
CALM												2.2	
	17.2	26.6	23.0	8.4	1.7							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 12121 STATION NAME LAKENHEATH RAF UK YEARS 74-87 AFB ORTH

CLASS ALL WEATHER HOURS (LST) 0700-0500

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	4.6	3.7	.2								1.6	5.6
NNE	1.7	2.7	2.8	.9	.4							2.1	7.8
NE	.7	.9	1.3	.7								3.6	7.1
ENE	.7	.3		.1								1.1	3.9
E	.8	1.7	1.1	.7								3.2	6.0
ESE	.9	1.4	1.6	.1								4.2	5.9
SE	1.1	1.6	1.3	.1								4.1	5.4
SSE	1.7	1.2	.2									2.1	3.8
S	.8	1.9	1.6	.3								4.6	6.1
SSW	.7	.9	2.7	1.1	.1							4.8	8.2
SW	.7	2.4	1.2	1.2	.6	.1						6.2	8.3
WSW	.4	2.1	.9	.9	.2							4.6	7.7
W	.4	1.4	1.1	1.1								4.1	7.9
WNW	.9	1.8	1.8	.3								4.8	6.1
NW	1.1	2.6	2.7	1.7								6.7	6.8
NNW	.9	2.4	.9	.2								4.8	5.5
VARBL			.3	.2								.6	9.6
CALM												72.6	
	14.8	28.6	23.8	8.9	1.3	.1						170.0	5.1

TOTAL NUMBER OF OBSERVATIONS 959

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 15931 STATION NAME LAKENHEATH RAF UK YEARS 74-83 MONTHS APR  
 CLASS ALL WEATHER HOURS (L & T) 5600-0800  
 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	.0	4.9	5.1	1.4								12.1	7.2
NNE	.7	1.0	2.7	2.1	.1							7.4	8.7
NE	.5	1.2	1.1	1.6								4.4	8.2
ENE	.7	.7	1.1	.4	.1							2.7	8.2
E	.1	1.0	.9	.2								2.2	6.8
ESE	.4	1.2	1.6	.7								3.6	6.8
SE	1.0	1.1	1.3									3.4	5.6
SSE	1.1	1.1	.9	.7								3.4	5.6
S	.3	2.0	2.0	.7								5.4	7.0
SSW	1.0	1.3	1.6	1.6	.1							5.6	8.2
SW	1.4	1.3	1.7	1.3	.2	.1						6.1	7.6
WSW	.8	1.7	1.7	1.0	.3	.1						4.9	8.7
W	1.1	1.0	1.8	1.1	.1							5.1	7.5
WNW	.7	.9	1.8	1.2								4.6	8.0
NW	1.3	1.4	3.1	1.2								7.1	7.2
NNW	1.2	1.0	1.4	.6	.1							5.2	6.6
VARBL			.0	.7	.2							1.8	11.1
CALM												14.9	
	13.3	23.0	30.6	15.8	1.3	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 77931 STATION NAME LAKENHEATH PAF UK YEARS 74-83 MONTH APR  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.2	6.4	4.8	.7							15.3	9.4
NNE	.2	1.0	2.6	3.3	.1							7.2	10.6
NE	.3	1.1	1.9	1.7	.4							5.3	10.0
ENE	.2	.4	.7	1.2	.2							2.3	11.6
E		.6	1.3	1.0								2.9	9.5
ESE	.1	1.0	.8	.4								2.3	7.2
SE	.7	.6	1.2	1.1	.1							3.2	9.3
SSE	.2	1.7	1.2	.3								3.4	6.6
S	.6	1.3	.9	1.0	.3							4.1	8.8
SSW	.8	1.2	1.3	2.2	.9							6.4	10.3
SW	1.3	1.3	.8	1.8	.3	.2						5.8	9.0
WSW	.6	1.4	1.7	.9	.2							4.9	8.5
W	1.1	.8	2.7	2.4	.8							7.8	9.7
WNW	.7	.7	1.0	1.4	.1							3.9	8.9
NW	.7	1.3	1.7	2.0	.2							5.9	9.1
NNW	.8	1.2	2.4	2.4		.4						7.3	9.5
VARBL		.1	3.8	2.3	.9		.1					7.2	11.3
CALM												3.9	
	8.4	19.0	32.2	30.4	5.3	.7	.1					177.7	9.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35831 STATION NAME LAKENHEATH RAF UK YEARS 74-87 MONTHS ALL  
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	7.0	8.1	.6							17.6	10.8
NNE	.7	1.7	2.6	3.2	.7							7.7	11.1
NE	.3	.2	1.8	1.8	.3							4.4	10.7
ENE		.3	.7	1.2	.8							3.0	13.0
E	.3	.2	.7	.7								2.4	9.3
ESE	.1	.6	.9	.3								1.9	8.5
SE	.3	.2	.9	1.4	.1							3.0	10.5
SSE	.2	1.2	1.7	1.1								3.6	8.6
S	.7	.8	1.3	1.7	.1							3.9	8.2
SSW	.4	.4	.7	1.6	.2	.1						3.4	11.0
SW	.7	.9	1.6	1.4	.7	.3						5.6	10.6
WSW	.4	.7	1.8	2.4	.4							5.8	10.9
W	.6	1.1	3.1	1.8	.6							7.1	9.5
WNW	.7	1.1	.0	1.4	.1							4.2	8.6
NW	.9	1.3	1.2	1.4								4.8	8.1
NNW	.1	2.3	1.2	2.8	.2	.1						6.8	9.5
VARBL		.1	4.9	5.7	1.3							12.0	12.0
CALM												2.9	
	6.4	14.4	32.1	37.4	6.1	.6						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 15831 LAKENHEATH RAF UK STATION NAME 74-83 YEARS APR  
STATION MONTH  
 CLASS ALL WEATHER 1500-1700  
CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.6	0.7	7.4	1.7	.1						27.9	10.4
NNE	.9	.9	3.6	4.6	.7							17.4	10.8
NE	.1	.6	1.6	1.8	1.1							5.1	12.7
ENE	.2		1.6	1.6	.3							3.7	11.8
E	.3	.4	.2	.6	.1							1.7	8.7
ESE	.1	.3	1.7	.9		.1						3.1	9.7
SE	.1	.9	1.6	1.7								3.6	8.6
SSE	.3	.9	1.3	1.3								3.9	8.7
S	.3	.7	1.1	1.1	.1							3.3	9.2
SSW	.8	.6	1.1	1.3	.3							4.1	9.3
SW	.7	.6	1.6	1.4	.3	.1						4.7	9.7
WSW	.3	.4	1.7	1.6	.3	.3						4.7	11.7
W	.6	.9	3.3	2.6	.3	.2						7.9	10.0
WNW	.8	1.3	1.7	1.7	.1							4.1	7.8
NW	.9	1.1	2.1	.4	.2							4.8	7.4
NNW	.7	1.4	2.3	.6	.2	.1						5.3	8.1
VARBL			3.1	2.9	.6	.3						6.9	11.9
CALM												1.9	
	8.1	12.4	38.4	32.0	5.8	1.3						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 75231 LAKENHEATH DAF UK STATION NAME: 74-87 YEARS: 1970-2000  
 CLASS: ALL WEATHER HOURS (L & T): 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	1.8	4.2	3.3	4.4	.4	.1						19.3	8.5
NNE	1.7	2.7	6.1	3.7	.7							13.7	9.6
NE	.4	1.7	1.0	2.1	.1							5.2	9.2
ENE	.7	.6	1.4	.7								2.9	7.2
E	1.4	2.7	1.7	.6								3.4	6.7
ESE	1.4	1.7	1.4	.7								4.2	5.8
SE	1.3	1.8	.9	.3								4.3	5.3
SSE	.9	1.4	1.7	.7								3.9	6.7
S	.6	.8	1.7	.4								2.3	7.2
SSW	.2	1.7	1.8	.6	.1	.1						4.4	6.7
SW	.4	.0	1.7	1.7	.6	.1						3.3	9.9
WSW	.6	1.2	2.7	.9	.1							4.9	8.1
W	.3	1.6	2.8	1.1		.1						5.9	8.6
WNW	.4	1.3	1.7	.7								3.4	7.4
NW	.9	.6	1.7	.3								2.5	6.2
NNW	1.7	.9	.7	.3	.1							3.2	6.2
VARBL			.3	.2	.1							.7	11.7
CALM												9.4	
	13.4	24.7	34.2	16.8	1.8	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

YEARS 74-83 STATION NAME LAKENHEATH RAF UK MONTH APR  
STATION CLASS ALL WEATHER MOON  
CLASS ALL WEATHER MOON  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	4.2	4.9	1.6	.7	.1						13.7	7.1
NNE	1.7	4.4	5.1	.8	.1	.1						11.6	6.9
NE	1.7	1.1	1.3	.7								4.1	6.9
ENE	.6	.7	.8	.2								2.2	6.7
E	.9	1.2	1.6	.7								4.3	7.2
ESE	1.1	1.6	.7	.2								3.6	5.4
SE	1.2	.7	1.3									4.6	5.2
SSE	1.1	2.6	.9	.7								4.9	5.6
S	1.7	2.2	2.7	.7								5.6	6.2
SSW	.8	1.1	1.3	.7								3.9	7.5
SW	.4	2.2	.9	1.7	.2							4.8	7.9
WSW	.7	1.2	1.3	.7	.1							3.7	7.7
W	1.6	2.2	3.2	.6								7.6	6.5
WNW	1.1	1.7	.8	.1	.1	.1						3.2	6.2
NW	.7	.7	.4	.2								2.7	5.8
NNW	.8	1.6	.9	.2								3.4	5.8
VARBL			.3									.3	8.0
CALM												16.6	
	16.1	30.0	27.8	8.2	.9	.3						170.7	5.5

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

75931 STATION LAKENHEATH RAF UK 74-87 YEARS 407 MONTHS  
 ALL WEATHER CLASS ALL MONTHS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	3.6	6.1	3.6	.4	.2						12.2	8.5
NNE	.8	3.7	3.4	2.4	.4	.7						9.2	8.9
NE	.6	.9	1.5	1.4	.7							4.8	8.9
ENE	.4	.4	.2	.7	.7							6.5	9.2
E	.5	1.1	1.7	.5	.7							7.1	7.2
ESE	.6	1.1	1.2	.4		.7						7.3	6.7
SE	.8	1.3	1.2	.5	.7							3.5	6.7
SSE	1.7	1.5	.9	.5								3.3	6.1
S	.8	1.5	1.4	.7	.1							4.9	7.2
SSW	.6	1.7	1.5	1.7	.3	.7						4.7	8.9
SW	.8	1.4	1.3	1.3	.4	.1						5.3	8.8
WSW	.6	1.1	1.5	1.2	.3	.1						4.8	9.2
W	.9	1.3	2.5	1.4	.7	.7						6.3	8.9
WNW	.7	1.2	1.2	.8	.1	.7						4.1	7.5
NW	.9	1.3	1.7	.9	.1							4.9	7.9
NNW	.9	1.7	1.4	.9	.1	.1						4.9	7.5
VARBL		.7	1.7	1.5	.4	.7	.7					3.7	11.6
CALM												11.8	
	12.2	22.4	30.4	19.8	7.0	.4	.7					170.7	7.3

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 14221 LAKEHEATH DAF TX STATION NAME LAKEHEATH DAF TX YEARS 74-83 MONTH MAY  
 CONDITION ALL WEATHER HOURS (L.S.T.) 0000-2000  
CLAS  
CONDIT

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	2.3	2.7	.4								5.8	5.3
NNE	1.7	.0	1.3	.5								2.0	6.1
NE	1.2	.0	.8	1.0								2.8	6.7
ENE	.6	.4	.8	.7								2.5	7.4
E	1.1	2.0	2.3	.5								5.3	6.4
ESE	.7	2.1	.7	.1								2.7	5.3
SE	2.7	1.5	1.1	.2								4.9	4.4
SSE	2.5	2.6	1.9	.2								2.4	5.0
S	1.1	2.9	1.5	1.2								6.7	6.5
SSW	.0	1.2	2.4	1.1								3.5	7.5
SW	.6	1.8	3.1	.7		.1						6.3	7.6
WSW	.5	1.7	1.7	.5								3.9	6.6
W	.0	2.1	1.7	.4	.1							4.4	6.2
WNW	.8	.7	.5									2.0	4.6
NW	.5	1.2	1.7									2.6	5.3
NNW	1.1	.6	1.2	.1								3.2	5.6
VARBL			.6	.2								.8	9.3
CALM												23.3	
	18.7	25.8	24.2	7.7	.1	.1						100.0	4.7

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 07931 STATION NAME LAKENHEATH 2AF MK YEARS 74-83 MONTH MAY  
 CLASS ALL WEATHER HOURS (L E T) 120-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	3.0	1.8	.7								2.7	5.1
NNE	1.7	1.5	1.7	.9								2.4	6.7
NE	1.7	.3	.9	1.3								3.6	7.8
ENE	.1	.7	1.2	.1								1.9	8.2
E	1.2	1.0	2.3	.5								5.0	6.3
ESE	.6	2.7	1.4	.1								3.2	5.8
SE	1.3	2.2	.7									4.2	4.4
SSE	2.5	1.3	2.7									5.3	4.9
S	1.4	2.9	1.7	.3								6.6	5.6
SSW	.6	1.7	2.8	.7								5.3	7.1
SW	1.4	1.7	2.1	.7								5.9	6.2
WSW	.3	1.3	1.2	.8								4.7	6.5
W	.9	1.3	1.8	.1								4.2	6.1
WNW	.2	1.4	.1									1.7	4.9
NW	.5	1.6	1.5									3.6	6.2
NNW	1.3	1.5	1.7									3.8	5.1
VARBL			.5	.1								.6	8.6
CALM												24.2	
	18.5	26.5	24.7	6.3								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 867

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

### SURFACE WINDS

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

STATION 35871 LAKENHEATH RAE HK YEARS 74-83 MAX MONTH   
 CLASS ALL WEATHER HOURS (LST) 600-2400  
 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	3.3	4.7	1.7								1.00	1.1
NNE	.2	1.7	2.4	2.2	.5							2.5	2.2
NE	.1	.5	1.7	1.7	.4							2.4	1.6
ENE	.7	1.1	1.1	.4								2.2	1.2
E	.4	1.0	2.6	1.4								4.3	2.2
ESE	.3	1.0	2.7	.3								5.7	2.5
SE	1.2	1.2	.2	.4								2.7	2.2
SSE	.7	1.1	1.6	.7								3.7	2.2
S	1.1	1.5	2.7	1.4								2.7	1.5
SSW	1.3	1.7	2.7	1.7								2.5	1.6
SW	1.3	1.6	2.9	2.7								2.8	1.7
WSW	.5	1.6	1.7	.9	.7							4.2	1.7
W	1.2	1.5	1.5	.9								2.1	1.6
WNW	1.7	.2	1.4	.7								3.2	1.4
NW	.7	1.4	.0	.7								3.3	1.1
NNW	.4	1.6	1.5	.7								3.9	1.8
VARBL			1.7	1.2	.7							3.2	1.4
CALM												10.7	
	17.3	24.2	34.3	16.2	1.4							100.7	2.7

TOTAL NUMBER OF OBSERVATIONS 979

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: LAKESHORE RAF UK STATION NAME: LAKESHORE RAF UK YEARS: 74-97 MONTH: MAY  
 CLASS: ALL WEATHER HOURS (LST): 0000-2359  
 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	1.0	5.7	2.8	.3							10.5	9.2
NNE	.2	.5	1.5	2.3	.7	.7						6.5	11.1
NE	.2	1.7	1.3	1.4	1.1	.7						7.2	11.6
ENE	.7	.3	.2	.4								2.5	6.6
E	.7	.4	1.7	2.3	.5							6.2	11.2
ESE	.7	.5	1.6	1.4								3.5	9.5
SE	.3	.3	.2	.4	.1							2.2	7.7
SSE	.7	1.7	1.7	1.1								4.7	7.4
S	1.7	1.7	2.2	2.1	.5							7.1	9.4
SSW	.5	.7	2.3	2.7	.4							6.2	9.6
SW	.7	.9	1.4	1.5	.1							4.7	8.8
WSW	.4	.9	2.3	1.6	.2							3.4	9.4
W	.9	1.2	2.7	.9	.1							4.2	7.7
WNW	.9	.7	1.3	.5								3.2	6.2
NW	.7	1.1	1.7	.7								2.9	7.8
NNW	.3	.9	3.4	.4								4.9	5.1
VARBL	.1	.2	7.1	5.9	.9	.7						12.4	11.2
CALM												4.7	
	8.7	16.2	37.3	29.3	4.9	.7						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 218

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAO

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

**SURFACE WINDS**

STATION 11521 LAKENHEATH RAF UK STATION NAME 71-81 CASE        MONTH MAY  
 CLASS ALL WEATHER HOURS (L & T) 122-1400  
 CONDITION       

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.7	4.5	7.7	.7							1.04	10.5
NNE	.4	1.2	1.5	2.0	.0	.1						2.7	11.6
NE	.1	.5	.0	1.7	.5	.7						1.4	12.8
ENE	.1	.1	.7	.5	.1	.1						1.9	9.7
E	.5	.4	1.2	2.5	.7							2.3	11.2
ESE	.7	.7	1.9	2.1	.0							1.2	11.1
SE	.2	1.2	1.3	1.1	.7							4.1	9.5
SSE	.7	.7	.5	.7								1.7	7.1
S	.3	1.7	2.5	2.8	.3	.1						2.4	9.7
SSW	.7	1.1	2.3	2.3	.7	.1						6.8	12.5
SW	.5	.7	1.9	2.8	.1	.1						2.3	12.1
WSW	.4	1.7	2.6	1.9	.3							6.5	9.4
W	.2	.7	1.6	.9								5.1	7.1
WNW	.7	.0	.5	.1	.1							2.3	5.9
NW	.4	.7	1.6	.7	.1							2.7	8.1
NNW	.7	1.7	2.9	.7								4.9	8.2
VARBL		.0	7.5	6.4	1.9							16.4	11.5
CALM												.1	
	5.5	15.8	35.8	32.1	6.9	.3						100.1	9.9

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 08031 LAKENHEATH RAE UK STATION NAME 74-83 YEAR MAY  
 ALL WEATHER CLAS 1500-1700 MONTH (LST)  
 CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.1	5.1	5.6	.1							17.3	10.0
NNE	.0	.0	1.4	2.8	.0							2.5	1.7
NE	.0	.0	1.0	1.6	.7	.4						4.5	12.0
ENE	.1	.0	.0	1.1	.3							2.0	1.9
E	.4	.0	1.0	2.1	.8							5.7	12.8
ESE	.0	1.3	1.6	2.1	.1							7.7	9.4
SE	.4	.0	1.1	1.2	.1							3.7	8.6
SSE		1.5	1.2	.4	.1							1.4	7.6
S	.0	1.4	2.7	2.4	.0	.1						7.5	9.6
SSW	.4	1.0	2.0	2.1	.4	.0						7.1	10.3
SW	.7	1.1	2.2	2.4	.3							8.6	9.5
WSW	.3	1.7	2.6	1.9	.0	.1						5.9	8.9
W	.5	1.0	2.4	1.7								5.4	8.4
WNW	.4	.0	.4	.0	.0							2.0	7.6
NW	.0	1.5	.0	.0	.1							2.4	7.0
NNW	1.0	1.0	1.7	.7	.1							4.5	6.8
VARBL		.1	4.0	3.5	1.0	.4						10.5	12.2
CALM												.0	
	7.0	17.8	34.3	31.5	6.0	1.7						177.0	9.6

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 11001 LAKENHEATH RAF UK STATION NAME 74-53 YEARS MAY  
 CLASS ALL WEATHER MONTHS 1922-2000  
 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.6	6.7	2.6	.1							14.2	7.6
NNE	.4	1.0	3.6	3.3	.1	.1						3.5	9.9
NE	.7	1.7	1.7	1.2	.3	.7						5.2	6.4
ENE	.4	1.7	1.6	1.7								5.3	8.5
E	.7	2.7	3.5	7.6								8.7	8.5
ESE	1.7	1.5	1.0	.7								5.3	5.3
SE	.7	2.2	1.3	.2								4.4	5.7
SSE	.4	2.1	1.0	.1								5.4	5.9
S	1.2	2.4	3.6	1.4								8.6	7.3
SSW	.7	2.1	2.1	.9	.4							5.3	8.4
SW	.7	2.2	1.2	1.9	.7	.1						6.6	9.1
WSW	.7	.0	1.5	.7								2.9	7.7
W	1.7	.7	1.7	.5								4.2	6.5
WNW	.7	.5	.8	.7	.1							2.1	7.6
NW	.8	1.7	.7									2.1	4.1
NNW	.8	.9	.7	.1								2.1	4.9
VARBL			.2	.7	.3							1.7	12.4
CALM												7.3	
	12.2	26.3	33.8	18.5	2.1	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 71P31 LAKEWHEATH DAF UK STATION NAME LAKEWHEATH DAF UK YEARS 74-83 MONTH MAY  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2300  
 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	2.6	4.7	7.1	.7								1.1	5.5
NNE	1.2	2.6	2.1	1.7								7.6	7.2
NE	1.7	1.9	.9	.7		.7						4.6	6.7
ENE	1.2	.9	.9	.6								3.5	6.3
E	1.5	2.7	7.4	.4								7.4	6.4
ESE	1.7	2.9	1.1	.1								5.4	4.9
SE	1.5	3.7	1.2	.1								6.2	5.7
SSE	2.5	7.4	1.7									7.3	4.7
S	1.7	2.7	2.9	.4								7.4	6.1
SSW	.1	1.7	2.6	1.1	.1	.1						5.7	8.6
SW	.4	1.9	1.5	1.7	.7							5.2	8.2
WSW	.7	.4	1.2									2.2	6.4
W	.4	1.2	1.7	.1								2.4	6.1
WNW	.7	.4	.1	.1								1.1	4.8
NW	.9	1.1	.1									2.1	4.1
NNW	1.1	2.7	.1									7.2	4.4
VARBL			.6									.6	9.4
CALM												17.9	
	19.9	31.8	24.2	6.4	.4	.3						100.7	5.7

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATC WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 15071 LAKENHEATH RAF UK 74-87 YEARS MAY  
STATION NAME CLASS MONTH  
ALL WEATHER  
CONDITION  
ALL  
HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.9	4.1	2.2	.2							11.7	7.7
NNE	.8	1.2	2.7	2.1	.4	.1						5.5	9.3
NE	.6	.8	1.1	1.1	.4	.2						4.2	9.8
ENE	.4	.7	.9	.7	.1							2.9	8.5
E	.8	1.4	2.3	1.6	.3							5.3	8.5
ESE	.7	1.6	1.6	.9	.7							4.2	7.3
SE	.9	1.6	1.1	.5	.1							4.2	6.2
SSE	1.2	1.0	1.5	.3	.7							4.2	5.8
S	1.1	2.1	2.5	1.5	.1	.7						7.4	7.8
SSW	.6	1.6	2.5	1.6	.3	.1						6.5	8.8
SW	.8	1.5	2.7	1.6	.2	.7						6.2	8.4
WSW	.5	1.2	1.8	1.7	.1	.7						4.6	8.2
W	.8	1.4	1.6	.6	.7							4.5	7.7
WNW	.6	.9	.7	.2	.1							2.3	6.1
NW	.5	1.2	.8	.2	.7							2.7	6.2
NNW	.8	1.2	1.5	.3								3.3	6.5
VARBL	.7	.1	3.7	2.3	.6	.1						6.1	11.4
CALM												11.2	
	12.8	23.7	31.2	18.6	2.8	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7121

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

02831      LAKENHEATH RAF UK      73-82      JULY  
STATION      STATION NAME      YEAR      MONTH

ALL WEATHER      0000-2200  
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	2.6	2.7	2.1	.8								7.7	5.8
NNE	1.1	1.7	1.2	.1								4.1	5.2
NE	.9	.7	.7									2.2	4.7
ENE	.6	.7	.3									1.6	4.9
E	1.7	1.6	1.4	.2								4.9	5.4
ESE	1.1	1.6	.7									3.6	4.5
SE	1.4	1.3	.3									2.1	4.1
SSE	2.8	1.7	.1	.2								4.3	3.4
S	2.7	2.3	1.4	.7								7.1	5.4
SSW	2.7	2.2	3.4	1.2	.2							8.9	7.2
SW	1.8	2.6	5.8	.7								12.5	6.6
WSW	1.1	1.2	2.2	.7								4.6	6.1
W	.9	1.4	1.3	.7								4.3	6.4
WNW	.8	.7	.7	.2								2.3	5.5
NW	1.2	1.3	.7									3.2	4.6
NNW	1.1	1.6	.9									3.6	4.9
VARBL			.2	.1								.3	9.3
CALM												23.0	
	24.1	24.4	23.3	4.9	.2							100.2	4.3

TOTAL NUMBER OF OBSERVATIONS      970

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 7831 LAKENHEATH RAF UK YEARS 77-82 MONTH JUN  
STATION NAME YEARS MONTH  
 CLASS ALL WEATHER HOURS (LST) 0300-0600  
CLASS HOURS (LST)  
 CONDITION \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	2.9	2.7	.7								3.7	5.6
NNE	1.3	1.4	1.2									4.7	5.7
NE	.7	.4	.4									1.5	4.2
ENE	1.1	.6	.3	.1								2.1	4.2
E	.2	1.7	1.7	.2								3.0	6.7
ESE	.3	1.2	.6									2.5	4.7
SE	.5	1.7	.4									2.7	5.1
SSE	2.6	1.6	.2									4.3	3.3
S	2.4	1.6	1.8	.6								5.3	5.4
SSW	1.8	3.2	3.6	1.3								9.9	6.8
SW	2.0	3.2	4.7	.7								10.8	6.7
WSW	1.1	1.2	1.9	.2								4.4	6.4
W	1.1	2.0	1.0	.2								5.2	5.7
WNW	1.4	.0	.2	.1								2.7	3.7
NW	.9	1.6	1.1									3.6	5.3
NNW	1.2	1.7	.2									3.1	4.8
VARBL				.1								.1	13.0
CALM												25.7	
	23.1	26.1	22.9	4.2								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIF WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 75531 STATION NAME LAKENHEATH RAF UK YEARS 73-80 MONTH JUN  
 CLASS ALL WEATHER MONTHS 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	4.7	2.6	4.3	1.6	.1							12.5	6.3
NNE	.7	2.7	1.6	1.0								5.2	7.7
NE	.7	.1	1.7									1.3	5.6
ENE	.7	.3	.1									.7	5.3
E	.6	1.1	1.6	.7								3.6	6.5
ESE	.7	.9	.8	.1								2.7	5.3
SE	.6	.9	.4	.1								2.2	5.7
SSE	1.6	.9	.6									3.0	4.7
S	1.7	2.8	1.7	1.2								6.7	6.7
SSW	1.7	1.7	2.4	7.7								7.7	8.7
SW	1.4	2.7	4.7	7.8	.3							11.2	8.2
WSW	1.1	2.9	3.7	1.6	.1							8.7	7.5
W	1.7	2.7	3.6	1.1	.2							9.6	7.2
WNW	1.4	1.2	1.6	.3								4.6	5.8
NW	1.3	2.1	1.6	.2								5.2	5.6
NNW	1.7	2.1	1.2	.1								4.4	5.3
VARBL		.1	1.8	.4	.1							2.4	9.4
CALM												0.1	
	19.4	26.3	31.1	13.1	.9							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 15871 STATION NAME: LAKENHEATH RAF UK YEAR: 77-78 MONTH: 1  
 CLASS: ALL WEATHER HOURS (L & T): 0000-1100  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.7	5.4	3.0								11.6	8.5
NNE	.5	1.5	1.8	.6	.1							4.5	7.4
NE	.5	1.7	1.1	.6								3.2	7.7
ENE	.7	.5	.4	.1								1.4	5.7
E	1.2	.9	.9									3.2	4.7
ESE	.7	.4	.7	.2								1.6	7.1
SE	.7	1.7	.4	.1								2.2	5.4
SSE	.4	.8	1.1	.1								2.4	6.5
S	.6	1.7	1.7	1.2								4.4	5.1
SSW	.7	1.8	3.7	2.1								7.6	8.6
SW	.7	2.7	2.7	2.7	.6							8.8	9.1
WSW	.7	2.7	2.7	3.1	.4							5.9	9.4
W	1.7	2.9	3.7	3.3	.1							12.9	8.5
WNW	1.7	3.1	1.6	.8	.1							5.6	6.8
NW	.9	1.7	1.9	.7								5.1	7.1
NNW	.7	1.6	1.7	.7								4.2	6.4
VARBL		.2	9.7	2.4	.4							12.8	9.3
CALM												1.8	
	11.6	23.7	39.9	21.3	1.8							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 03931 STATION NAME LAKENHEATH RAF UK YEARS 73-82 ICAO EGSS  
STATION SOUTH

CLASS ALL WEATHER 1200-1400  
CLASS HOUR (L.S.T.)

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.1	4.1	3.6								1.3	2.1
NNE	.7	1.2	1.2	.9								3.7	8.2
NE	.7	.8	.4	.7	.7							2.9	8.2
ENE	.3	.6	1.1	.7								2.2	7.1
E	.2	.7	1.1	.4	.1							2.5	7.5
ESE	.2	.7	.9									1.9	6.6
SE	.2	.7	.4	.3								1.7	6.9
SSE	.1	.7	.4	.4								1.7	7.7
S		1.9	1.8	1.2	.1							5.7	8.4
SSW	.4	1.1	1.8	2.1	1.7							6.4	10.8
SW	.4	1.4	2.2	2.9	.8							7.8	10.5
WSW	.7	1.7	2.4	4.0	.2							4.2	12.3
W	1.7	3.1	2.7	3.6								12.3	8.3
WNW	.7	1.9	1.4	1.7	.1							5.1	7.3
NW	.6	1.1	1.8	.6								3.8	6.9
NNW	.6	1.8	2.7	.6								4.9	6.8
VARBL	.9		14.4	4.8	.9							21.0	9.9
CALM												.3	
	6.7	21.8	40.1	27.2	3.4							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 20001 LAKENHEATH PAF BK STATION NAME 77-62 YEARS 1970-1973 MONTHS  
 CLASS ALL WEATHER HOURS (L E 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	2.2	5.2	4.1	.1							12.5	8.9
NNE	.6	1.1	2.2	1.7	.1							5.7	8.2
NE	.2	.7	.7	1.7	.1							3.1	3.7
ENE	.2	.3	.7	.4	.1							2.2	7.8
E	.5	1.7	1.7	1.7								4.3	7.9
ESE	.7	1.1	.8									2.1	5.2
SE	.4	.8	.8	.2								2.2	2.4
SSE	.1	.6	.7	.2	.2							2.1	3.1
S	.4	1.7	1.9	1.2	.6							5.1	9.3
SSW	.7	.4	2.1	2.3	.7							5.8	11.2
SW	.1	1.2	2.6	3.7	.7							7.2	9.8
WSW	.4	1.7	2.8	3.7	.4							7.7	10.5
W	.6	2.6	2.6	4.7	.1							9.9	9.3
WNW	.3	1.2	.9	1.7								4.7	8.4
NW	.2	1.9	1.6	.1								4.4	6.7
NNW	.4	1.7	1.4	.7								3.9	6.4
VARBL		.1	11.1	3.8	.1	.1						15.2	9.6
CALM												1.7	
	6.4	21.7	39.2	27.6	2.8	.1						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

1953 LAKENHEATH RAF UK 77-80  
 STATION STATION NAME YEARS SOUTH  
 ALL WEATHER CLASS 1000-2000 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.2	5.0	2.1								11.2	7.7
NNE	1.1	2.4	4.4	1.3								9.3	7.4
NE	.6	1.1	2.7	.7	.1							4.2	7.2
ENE	.7	1.2	1.6	.7								3.7	7.7
E	.4	1.0	2.7	1.7								5.7	7.8
ESE	1.4	1.2	1.4	.2								4.9	5.5
SE	1.7	1.9	1.2									4.1	5.4
SSE	1.1	1.1	.6	.7								2.9	5.2
S	1.7	.0	1.6	.7	.2	.1						1.1	7.4
SSW	.6	1.1	3.1	2.6	.2							7.6	9.6
SW	1.7	1.8	3.4	2.7								4.3	7.2
WSW	1.7	1.8	3.7	1.8	.1							4.3	8.1
W	1.7	2.7	2.8	1.6								6.2	7.3
WNW	.0	.9	1.7	.8								3.2	7.7
NW	.0	1.7	.8	.1								2.8	5.1
NNW	.9	.6	1.2	.3								2.9	6.7
VARBL			1.9	.3								2.1	9.4
CALM												5.6	
	14.7	24.1	39.9	16.0	.7	.1						152.2	7.7

TOTAL NUMBER OF OBSERVATIONS 570

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 00071 LAKENHEATH RAF Wk STATION NAME 71-60 YEARS 1951 MONTH 1951  
 CLASS ALL WEATHER HOURS (LST) 0000-2300  
 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	0.7	4.7	2.8	.8								1.2	5.3
NNE	1.9	1.7	1.6									4.7	5.1
NE	2.2	1.7	1.7									2.7	5.1
ENE	.7	1.1	.9	.1								2.2	5.2
E	1.5	2.6	2.3	.1								1.8	5.7
ESE	1.6	1.4	1.1	.1								4.2	4.7
SE	1.7	3.1	.7									1.3	4.5
SSE	3.2	1.0	1.1	.1								5.2	4.3
S	1.7	2.3	1.7	.6	.1							5.7	4.4
SSW	.9	2.4	2.0	1.2	.7							7.8	7.8
SW	1.5	3.0	2.7	.9	.7							2.9	4.4
WSW	.7	1.5	2.1	.2								4.3	6.7
W	1.2	2.7	1.6	.7								5.4	5.4
WNW	1.1	.2	.6	.2								2.5	5.7
NW	.2	.7	.2									1.1	5.7
NNW	.9	.6	1.1	.7								2.3	5.7
VARBL			.7									.3	5.3
CALM												1.1	
	21.2	31.7	25.4	4.9	.4							5.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

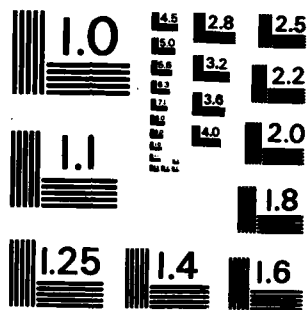
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION LAKENHEATH RAF UK YEAR 1951 MONTH JUL  
 STATION NAME CLASS ALL WEATHER HOURS (L S T) 11  
 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	0.0	0.5	4.7	2.3	0.0						1.0	1.4
NNE	0.0	1.0	1.9	0.6	0.0						0.1	2.0
NE	0.0	0.0	0.0	0.0	0.0						0.0	2.0
ENE	0.0	0.0	0.0	0.0	0.0						0.0	1.7
E	0.0	1.0	1.0	0.0	0.0						0.0	1.0
ESE	0.0	1.1	0.0	0.0	0.0						0.0	0.6
SE	0.0	1.0	0.0	0.0	0.0						0.0	0.7
SSE	1.0	1.0	0.0	0.0	0.0						0.0	0.7
S	1.1	1.0	1.0	0.0	0.0						0.0	1.0
SSW	1.0	1.0	0.0	1.0	0.0						0.0	0.6
SW	1.0	0.0	0.0	0.0	0.0						0.0	0.4
WSW	0.0	1.0	0.0	1.0	0.0						0.0	0.4
W	1.1	0.0	0.0	1.0	0.0						0.0	0.4
WNW	1.0	1.0	1.0	0.0	0.0						0.0	0.5
NW	0.0	1.0	1.0	0.0	0.0						0.0	0.5
NNW	0.0	1.0	1.0	0.0	0.0						0.0	0.5
VARBL		0.0	0.0	0.0	0.0						0.0	0.0
CALM												
	10.0	24.9	32.4	14.0	1.0							

TOTAL NUMBER OF OBSERVATIONS





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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

035831 LAKENHEATH RAF UK

73-82

III

ALL WEATHER  
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.4	.8	.1								5.5	4.1
NNE	1.5	1.7	.2									3.9	3.9
NE	1.2	1.0	1.0									3.1	4.8
NNE	.5	.2	.4	.1								1.3	5.6
E	.5	1.2	.6									2.9	5.0
ESE	1.7	.9	.4									2.3	4.2
SE	2.7	2.2										4.2	3.6
SSE	1.9	2.7	.4									5.1	3.9
S	1.6	1.8	1.3	.3								5.1	5.5
SSW	1.3	1.8	5.2	1.3								9.6	7.6
SW	2.5	3.0	5.4	1.3	.2							12.4	6.7
WSW	2.2	3.7	2.4	.4								8.6	5.5
W	1.2	3.0	2.5									6.7	5.7
WNW	1.7	2.2	1.1	.3								4.5	5.6
NW	.6	.9	.8	.2								2.5	5.9
NNW	1.4	.8		.1								2.3	3.7
VARBL		.1	.3									.4	8.0
CALM												20.9	
	22.7	29.4	22.7	4.2	.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035831      LAKENHEATH RAF UK      73-82      JULI

ALL WEATHER  
 CLASS  
 OBSERVED

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.6	.8									5.5	4.2
NNE	1.4	1.1	.4									2.9	3.9
NE	1.3	.9	.2	.3								3.7	6.0
ENE	.5	.2	.4	.1								1.3	5.3
E	.1	1.0	.1									1.2	5.0
ESE	.9	1.0	.2									1.9	4.1
SE	.6	1.4	.2									2.3	4.2
SSE	1.8	1.5	.3									3.7	3.6
S	2.6	2.6	2.6	.5								8.3	5.7
SSW	3.1	1.7	4.3	1.2								10.3	6.4
SW	2.6	4.3	4.0	1.1								11.9	6.1
WSW	1.5	1.8	2.4	.4								6.1	5.9
W	1.6	3.5	2.2	.1								7.4	5.5
WNW	.8	1.2	1.8	.1								3.9	6.3
NW	.9	1.1	.8	.3								3.0	6.1
NNW	.5	.8	.6	.3	.1							2.8	7.0
VARBL			.2	.2								.4	10.3
CALM												23.9	
	22.3	26.6	22.5	4.7	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS      930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035831 STATION LAKENHEATH RAF UK 73-82 YEAR 1982  
 ALL WEATHER CLASS 1600-0800 HOURS (L.C.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	1.2	2.4	2.4	.3								6.2	6.1
NNE	1.3	1.5	1.2	.1								6.1	5.0
NE	.9	.8	1.4	.5								3.6	6.0
NNE	.1	1.1	.1	.1								1.9	5.0
E	.3	.9	.5		.2							1.9	6.0
ESE	.4	.4	.5	.1								1.5	5.0
SE	1.2	.5	.1									1.8	3.1
SSE	.9	1.1	.9	.1								2.9	5.2
S	1.1	2.5	3.2	1.0								7.8	7.0
SSW	1.4	1.7	3.7	2.0								8.8	7.9
SW	2.2	2.4	4.5	1.8								10.9	7.0
WSW	1.3	2.6	3.3	1.4								8.6	7.3
W	1.5	3.1	3.3	1.0								8.9	6.5
WW	1.3	2.3	3.4	1.0								8.0	6.0
WNW	.8	1.7	2.4	.4								5.3	6.0
NW	.8	1.4	.3	.3	.2							3.0	6.2
NNW	.8	1.4	.3	.3	.2							3.0	6.2
VARIES			2.9	1.9	.2							4.5	18.0
CALM												10.8	
	16.5	26.3	34.2	11.4	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035831 LAKENHEATH RAF UK 73-82 JUL  
STATION STATION NAME YEAR MONTH  
 ALL WEATHER 0900-1100  
CLASS TIME (L.C.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_  
CONDITIONS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.1	3.3	1.4								6.7	8.1
NNE	.6	1.6	2.3	.8								5.3	7.2
NE	.2	.6	.5	1.0								2.4	8.6
NNE	.2	.6	.6	.4	.1							2.0	8.2
E	.8	.5	.9	.4								2.6	6.8
ESE	.9	.6	.5	.3								2.4	5.5
SE	.3	.4	.3	.1								1.2	5.6
SSE	.5	.3	.4	.2								1.5	6.9
S	.6	1.0	1.9	1.3								4.8	8.2
SSW	.9	1.1	3.1	3.0	.1							8.2	9.9
SW	.8	1.6	3.4	3.5	.1							9.5	9.9
WSW	1.1	1.4	2.9	2.9	.2							8.5	8.9
W	1.4	2.5	5.1	1.9								10.9	7.7
WNW	.4	2.0	3.4	1.4								7.3	7.9
NW	.4	1.9	2.8	.5								5.7	7.2
NNW	.8	2.3	.9	1.1								4.9	6.8
VARS		.3	9.9	2.8	.4							13.4	9.7
CALM												2.8	
	10.8	20.0	42.9	23.1	1.0							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035831 STATION LAKENHEATH RAF UK YEAR 73-82 MONTH III  
 ALL WEATHER CLASS 1200-1800  
 UTM (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.5	2.0	1.9								6.6	8.1
NNE	.4	1.0	2.2	1.1								4.6	8.2
NE	.4	.9	.4	.9								2.6	7.8
ENE	.2	.8	.6	.4								2.0	7.3
E	.2	1.6	.5	.4	.2							3.0	7.8
ESE	.2	.5	.2	.5								1.5	7.6
SE		.5	.3	.2								1.1	7.3
SSE	.3	.3	.3									1.0	5.8
S	.6	.6	1.5	1.2	.1							4.1	8.8
SSW		.3	1.8	2.6	.2							5.0	11.8
SW	.4	1.2	3.3	4.4	.3							9.7	10.8
WSW	.8	1.4	2.4	2.8	.2							7.5	9.6
W	1.4	2.7	5.1	4.1	.1	.2						13.6	8.9
WNW	.9	1.6	2.6	1.3	.1							6.5	7.8
NW	1.0	2.2	1.9	.3								5.8	6.3
NNW	.4	1.4	1.7	1.7								5.3	8.6
VARBL			11.8	6.0	.9							18.7	10.2
CALM												1.9	
	8.4	18.5	38.9	29.9	2.2	.2						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035831 LAKENHEATH RAF UK 73-82 JUL  
STATION STATION NAME YEAR MONTH  
ALL WEATHER 1500-1700  
CLASS HOURS (L.O.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	3.3	2.7								8.6	8.5
NNE	.3	.9	3.0	1.1								5.3	8.5
NE		.4	.9	1.0								2.3	10.0
ENE	.2	1.1	.6	1.2								3.1	8.7
E	.4	.6	1.0	.5	.1							2.7	8.5
ESE	.5	.4	.3	.4								1.7	7.2
SE	.6	.6	.6	.2								2.2	5.7
SSE	.2	.4	.5	.3								1.5	7.3
S	.4	1.0	2.3	.9	.2							4.7	8.6
SSW		.8	1.3	2.9	.1							5.1	10.8
SW	.2	1.2	2.0	3.7	.5							7.6	10.8
WSW	.8	1.7	3.3	3.3	.1							8.9	9.8
W	1.0	2.4	6.9	3.2	.2	.1						13.8	8.9
WNW	1.7	1.9	2.8	.9								7.3	8.5
NW	1.1	2.3	2.0	.4								5.8	6.2
NNW	.9	1.4	1.1	1.0								4.3	7.3
VARB	.1	.2	8.2	4.7	.3							13.5	10.1
CALM												1.6	
	9.1	18.9	40.2	28.4	1.6	.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035831 LAKENHEATH RAF UK

71-82

III

ALL WEATHER

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

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	1.5	2.7	4.1	.5								8.8	6.8
NNE	.4	1.4	2.7	.8								5.3	7.6
NW	.4	1.3	2.3	1.0								4.9	7.9
ENE	.3	1.2	1.7	1.0								4.2	7.9
E	1.1	2.0	2.3	.6								6.0	6.5
ESE	.8	1.2	.6	.2								2.8	5.6
SE	1.4	1.5	1.3									4.2	5.1
SSE	1.1	1.7	1.0	.2								4.0	5.4
S	.5	1.2	1.6	1.1								4.8	8.0
SSW	.2	1.0	2.2	1.9								5.3	9.2
SW	.9	1.9	2.8	3.1	.5	.1						9.4	9.8
WSW	1.5	2.9	3.0	1.1								8.5	6.9
W	1.6	3.4	2.5	1.9	.1							9.6	7.2
WNW	1.4	2.0	2.2	.9								6.5	6.4
NW	.8	.6	1.4	.6								3.8	7.1
NNW	1.3	.5	.5	.9								3.2	6.7
VARBL			1.6	.8								2.8	9.5
CALM	X	X	X	X	X	X	X	X	X	X	X	7.2	
	15.2	26.7	33.7	18.6	.8	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

035831    LAKENHEATH RAF UK    73-82    JULY  
STATION    STATION NAME    YEAR    MONTH  
 ALL WEATHER    2100-2300  
CLASS    TIME (L.S.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.5	1.5	.1								6.1	4.7
NNE	1.5	1.5	1.1	.2								4.3	5.1
NE	2.7	2.2	1.3									5.5	4.7
ENE	1.7	1.1	1.3	.1								3.4	5.3
E	1.8	1.9	.3									4.1	4.1
ESE	1.1	2.5	.5									4.1	4.5
SE	2.7	2.7	.4									5.2	4.0
SSE	2.2	2.7	.4	.1								5.4	4.2
S	1.3	2.2	1.6	.9								5.9	6.6
SSW	.5	1.7	3.3	1.7								7.3	4.4
SW	1.1	3.3	4.1	1.6								10.1	7.3
WSW	1.1	2.6	1.3	.5								5.5	5.9
W	1.5	3.7	2.6	.1								7.2	5.6
WNW	.9	2.6	1.1	.1								4.6	5.4
NW	.6	1.1	.3	.6								2.7	6.4
NNW	1.1	.6	.2	.1								2.0	4.4
VARB	.1		.2	.3								.6	9.5
CALM												15.9	
	21.8	34.1	21.6	6.6								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS    930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 035831 LAKENHEATH RAF UK STATION NAME 73-82 YEARS JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) ALL  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.1	2.3	.9								6.7	6.5
NNE	.9	1.3	1.6	.5								9.9	6.5
NE	.8	1.7	1.1	.6								3.5	6.8
ENE	.4	.8	.7	.4	.7							2.9	7.0
E	.7	1.2	.8	.3	.1							3.0	6.3
ESE	.7	.9	.4	.2								2.3	5.3
SE	1.7	1.2	.4	.1								2.8	9.5
SSE	1.1	1.3	.5	.1								3.1	9.7
S	1.1	1.6	2.7	.9	.7							5.6	7.1
SSW	.9	1.3	3.1	2.1	.1							7.9	8.5
SW	1.3	2.4	3.7	2.6	.2	.7						10.2	8.2
WSW	1.2	2.3	2.6	1.6	.1							7.8	7.6
W	1.4	3.7	3.8	1.5	.1	.7						9.7	7.3
WNW	1.0	2.7	2.3	.7	.0							6.1	6.7
NW	.8	1.5	1.5	.4								9.2	6.6
NNW	.9	1.1	.7	.7	.7							3.8	6.7
VARIABLE	.7	.1	4.4	2.0	.2							8.8	10.0
CALM												10.6	
	15.8	25.0	32.0	15.6	.8	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 7838

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION R35R31 STATION NAME LAKENHEATH RAF UK YEAR 73-82 AUC MONTH AUG

CLASS ALL WEATHER DDDDD-DDDD  
NOBS (L.C.F.)

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	1.3	.4	.1								3.9	3.9
NNE	2.6	.8	.2	.1								3.7	3.2
NE	1.9	.3	.6	.4								3.8	5.0
ENE	1.1	.5	1.0									2.6	4.9
E	1.3	1.8	.5	.2								3.9	4.6
ESE	1.8	1.6										3.4	3.5
SE	1.8	1.2	.4									3.4	3.8
SSE	2.7	.6	.4	.3								4.1	4.2
S	2.7	2.6	1.7	.8	.8							8.5	6.7
SSW	1.3	1.6	2.9	1.4								7.2	7.3
SW	1.4	2.9	4.2	.8	.2							9.5	7.2
WSW	.4	1.5	1.1	.4	.2							3.7	7.4
W	1.6	1.7	1.9	.1								5.4	5.3
WNW	.6	.8	.5	.3								2.3	6.3
NW	.5	1.0	.6									2.2	5.2
NNW	1.0	.5	.6									2.2	5.0
VARL			.3									.3	9.0
CALM												30.2	
	24.8	21.2	17.6	9.9	1.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 035831 STATION NAME LAKENHEATH RAF UK YEAR 77-82 MONTH AUG  
 CLASS ALL WEATHER MONTH (L.S.T.) 0300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.2	.3									3.0	3.9
NNE	2.3	.4	.3									3.1	3.2
NE	1.0	1.1	.3	.3								3.7	4.4
ENE	1.1	.4	.6	.1								2.3	4.9
E	1.7	1.6	.6									3.2	4.7
ESE	1.2	.8	.5									2.5	4.2
SE	1.7	1.4	.3									2.7	4.2
SSE	2.3	1.7	.4	.3								4.7	4.5
S	3.2	2.3	1.7	.3	.5							8.1	5.8
SSW	.8	2.7	3.7	1.2	.1							8.4	7.7
SW	1.4	1.8	2.6	.6								6.5	6.6
WSW	1.3	1.6	1.1	.2	.1							4.3	5.7
W	1.6	2.4	1.4	.2								5.6	5.8
WNW	.5	1.3	.5	.1								2.5	5.3
NW	1.3	.3	.2	.2								2.0	4.3
NNW	.6	1.1	.3									2.0	4.6
VARBL			.4									.4	4.3
CALM												35.2	
	22.9	22.0	15.5	3.7	.8							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35831 STATION NAME LAKENHEATH RAF UK YEAR 73-82 AVG MONTHS 12  
 CLASS ALL WEATHER NUMBER OF OBS. 2600  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.4	1.1	.1								4.2	4.8
NNE	1.5	.9	.3	.6								3.3	5.4
NE	1.4	1.2	.5	.4								3.5	5.2
ENE	1.1	1.7	.5	.1								2.7	4.6
E	1.2	1.5	1.2	.3								4.2	5.8
ESE	.5	1.7	.6		.1							2.3	5.5
SE	1.3	.4	.9									2.6	4.1
SSE	1.1	1.1	1.3	.3	.3							4.1	6.9
S	1.9	1.9	2.2	.6	.2	.1						7.2	6.8
SSW	1.7	1.6	3.3	1.4	.2	.1						7.6	8.3
SW	2.5	1.8	2.9	2.7								9.2	7.2
WSW	1.9	2.6	2.7	.8								7.3	6.0
W	1.9	3.2	2.8	.5								8.5	5.8
WNW	1.7	1.3	1.7	.4								5.2	6.0
NW	.9	1.3	1.4									3.5	5.9
NNW	1.8	.8	.4									3.0	3.5
VARBL			.6	.3								1.0	9.1
CALM												1.7	
	23.1	22.9	23.9	8.1	.9	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 2600

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 13831 STATION NAME: LAKENHEATH RAF UK YEAR: 73-82 AUC:         
STATION STATION NAME YEAR MONTH  
 CLASS: ALL WEATHER CLASS 0900-1100 BOUND (L.S.T.)  
 CONDITION: \_\_\_\_\_  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.9	1.4	.8								6.2	6.1
NNE	1.3	1.7	1.1	.4	.1							4.6	6.5
NE	.9	1.4	.5	.8	.1							3.7	6.6
ENE	.6	1.7	1.1	.1								3.5	5.5
E	.5	1.9	1.3	.4	.3							4.5	7.8
ESE	.6	.6	.6	.3								2.3	6.2
SE	1.4	.5	.4	.1								2.5	4.1
SSE	.6	1.2	.9	.1								2.9	5.6
S	.9	2.7	1.5	1.0								5.9	7.0
SSW	1.0	1.2	1.9	3.0	.2		.1					7.9	9.7
SW	1.6	.9	3.3	3.0	.6	.2						9.7	9.6
WSW	.4	2.0	1.8	1.4	.2							5.9	8.5
W	2.4	2.9	4.2	1.8								11.3	7.0
WNW	.9	3.7	2.6	1.0								7.9	6.9
NW	.9	2.0	1.0	.4								4.3	6.5
NNW	1.2	1.9	1.5	.5								5.2	6.2
VARBL			6.0	2.3	.2							8.5	9.8
CALM												4.8	
	16.5	28.0	31.2	17.4	1.8	.2	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 035A31    LAKENHEATH RAF UK    STATION NAME: LAKENHEATH RAF UK    YEARS: 73-82    ALL MONTHS: ALL MONTHS

CLASS: ALL WEATHER    PERIOD: 1200-1800  
HOWAS (L.E.T.)

CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.7	2.7	.8	.1							6.9	7.0
NNE	.9	1.1	1.0	.8	.1							3.4	6.5
NE	.3	1.0	.8	1.0	.3							3.3	9.0
ENE	.4	1.3	1.1	.1								2.9	6.1
E	1.7	1.7	.8	.8	.4							4.6	7.6
ESE	.5	1.3	.6	.2								2.7	5.8
SE	.5	1.1	.3	.2								2.2	5.8
SSE	.3	.6	1.2	.1								2.3	7.0
S	.6	1.2	1.4	1.2	.2							4.6	8.8
SSW	.5	1.3	2.5	1.9	.1	.1	.1					6.6	9.4
SW	.6	1.8	2.8	2.9	.9	.3						9.4	10.9
WSW	.5	1.1	3.6	1.8	.2							7.2	9.0
W	2.0	3.1	3.6	3.2	.1							12.1	7.8
WNW	1.0	2.8	2.3	1.0								7.7	6.6
NW	.9	1.8	1.4									4.1	5.7
NNW	.5	2.2	2.5	.2								5.4	6.6
VARBL			7.9	4.4	.3	.1						12.7	10.5
CALM												2.7	
	12.1	25.4	36.2	20.2	2.8	.5	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035833 LAKENHEATH RAF UK 73-82 AUG  
STATION STATION NAME YEARS MONTH

ALL WEATHERED  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.0	2.6	1.2	.1							8.2	7.1
NNE	1.1	1.0	1.4	.4	.1							4.0	7.1
NE	.2	1.2	1.1	1.4								3.9	8.8
ENE	.6	1.1	1.7	1.1								4.5	7.9
E	.5	.8	2.6	1.3	.2							5.8	8.7
ESE	.6	1.1	.8	.4								2.9	6.3
SE	.5	1.1	1.1		.2							2.9	6.8
SSE	.2	.3	1.7	.2								2.5	7.1
S	.9	.6	1.6	1.2	.2							4.5	8.6
SSW	.6	1.1	1.8	2.2	.9							6.6	10.3
SW	.2	1.2	2.6	3.9	.9							8.7	11.2
WSW	.5	1.6	2.7	2.3		.3						7.8	9.7
W	1.0	2.6	4.5	1.9	.2							10.2	8.0
WNW	1.1	2.0	2.6	.6								6.3	6.8
NW	1.4	2.5	.8	.2								4.8	5.0
NNW	.5	1.5	1.2	.4								3.7	6.6
VARBL			6.5	3.4	.3							10.2	10.0
CALM												3.3	
	11.4	22.6	37.1	22.2	3.1	.3						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

335831 LAKENHEATH RAF UK 73-82 AUG  
STATION STATION NAME YEAR MONTH  
ALL WEATHER 1800-2000  
CLASS HOUR (L.G.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.1	2.4	1.6	.6								7.7	5.2
NNE	1.2	2.9	1.3	.4								5.9	5.6
NE	.9	2.8	1.7	.6								6.2	6.4
ENE	1.3	1.9	2.5	.4								6.1	6.2
E	1.6	4.0	2.7	1.2								5.8	6.3
ESE	.6	3.3	1.5	.2								5.7	5.9
SE	.8	2.7	.9	.2								3.9	5.5
SSE	.3	1.5	1.1	.1								3.0	6.0
S	.8	1.7	1.6	1.0								4.3	7.8
SSW	.9	1.3	2.8	2.2	.2							7.3	9.1
SW	.9	2.7	2.8	1.6	.1	.2						7.6	8.2
WSW	.5	1.9	3.7	1.7	.1							6.6	7.9
W	.8	2.7	3.2	.5								7.2	6.8
WNW	1.2	1.8	.4	.2	.1							3.8	5.3
NW	1.5	.5	.1	.1								2.3	3.7
NNW	.5	1.2	.5	.1								2.4	5.3
VARBL			.8	.3								1.1	10.9
CALM												10	
	16.8	33.3	27.8	10.9	.5	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 035931 LAKENHEATH RAF UK YEAR 73-82 AUG  
STATION NAME CLASS MONTH  
ALL WEATHER 2100-2300  
CLASS OURS (L.S.T.)  
 OBSERVATION

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	2.7	1.2	.6									4.5	3.6
NNE	2.4	1.9	.3									4.6	3.8
NE	3.1	1.7	.4	.4								5.7	4.3
ENE	1.2	1.8	1.7									4.2	4.9
E	1.6	2.5	1.4	.5								4.0	5.6
ESE	2.7	2.5	.8									5.3	4.3
SE	1.6	3.0	.9	.1								5.5	4.7
SSE	1.7	2.7	.5	.6								4.5	5.6
S	1.6	1.6	1.8	1.0	.3							4.3	7.1
SSW	.6	2.3	4.7	.6								7.5	7.3
SW	1.7	2.0	3.8	1.1	.1							4.7	7.3
WSW	1.1	1.0	.8	.3	.1							3.2	4.0
W	1.1	1.5	1.8	.5								4.9	4.8
WNW	.9	.5	.6	.5								2.6	4.8
NW	1.3	.8	.1									2.2	3.6
NNW	.2	.6	.3									1.2	4.9
VARBL			.1	.1								.2	4.8
CALM												23.0	
	24.8	27.0	19.1	5.9	.5							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 830

USAFETAC FORM 0-6-5 (BL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
AA 82

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

C35831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEARS

ALL  
MONTHS

ALL WEATHER  
CLASS

ALL  
MONTHS (L.R.T.)

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	1.9	1.9	1.3	.9	.0							5.6	5.5
NNE	1.6	1.3	.7	.3	.0							4.1	5.2
NE	1.3	1.4	.8	.7	.1							4.2	6.1
ENE	.9	1.2	1.2	.2								3.6	5.8
E	1.1	2.0	1.3	.6	.1							5.1	6.5
ESE	1.7	1.5	.7	.1	.0							3.4	5.2
SE	1.1	1.3	.6	.1	.0							3.2	4.9
SSE	1.1	1.1	.9	.3	.0							3.5	5.7
S	1.6	1.7	1.7	.9	.3	.0						6.1	7.1
SSW	.8	1.6	2.9	1.7	.2	.0	.0					7.3	8.6
SW	1.3	1.8	3.1	2.0	.3	.1						8.7	8.5
WSW	.8	1.7	2.0	1.0	.1	.0						5.7	7.8
W	1.5	2.5	2.9	1.1	.0							8.1	6.8
WW	1.0	1.7	1.4	.5	.0							4.6	6.9
WNW	1.1	1.3	.7	.1								3.2	5.2
NNW	.8	1.2	.9	.2								3.1	5.7
VARB			2.8	1.4	.1	.0						4.3	14.1
CALM												16.3	
	19.7	25.3	26.1	11.7	1.5	.2	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

7939

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 035831 STATION NAME LAKENHEATH RAF UK YEAR 73-82 MONTH SEP  
 CLASS ALL WEATHER NUMBER (1-6-7) 0000-0200  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.6	.3									2.2	4.0
NNE	1.0	.8	.1									1.9	3.5
NE	.8	.2	.3									1.3	4.2
ENE	.6		.1	.2								.9	5.9
E	1.2	1.1	.8	.3	.1							3.6	5.8
ESE	1.9	2.8	.6	.2								5.3	4.9
SE	2.7	2.4	1.1	.2								5.8	4.7
SSE	2.9	1.7	1.0	.7	.1							6.3	5.1
S	2.9	2.8	3.9	2.3	.2							12.1	7.8
SSW	1.1	2.7	4.0	1.7	.2	.1						9.8	8.1
SW	1.2	2.2	2.7	1.8	.4							8.4	8.4
WSW	1.0	1.2	1.7	2.3	.4							6.7	9.2
W	1.8	1.7	1.1	.4								5.0	5.2
WNW	1.3	1.7	.4	.3								3.1	5.1
NW	.8	.3	.8	.4								2.3	6.8
NNW	1.2	.3	.2									1.8	2.9
VARB			.8	.2	.2							1.2	10.5
CALM												22.2	
	22.9	21.8	19.9	11.2	1.7	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 888

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

035831 LAKENHEATH RAF UK 71-82 SEP  
STATION STATION NAME YEAR MONTH

ALL WEATHER 0300-0500  
CLASS HOUR (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.6	.4									2.3	3.7
NNE	.4	.6										1.0	3.4
NR	.3	.4	.2									1.7	4.4
ENE	.2	.3	.4									1.7	5.8
E	1.3	2.1	1.1	.3								4.9	5.9
ESE	1.6	1.6	.2	.2								3.6	4.3
SE	1.8	2.4	.9	.2								5.3	4.8
SSE	2.8	3.3	1.7	1.1								8.9	5.6
S	2.6	2.6	4.1	1.1	.2							10.6	6.8
SSW	3.1	2.1	3.2	2.1	.2	.2						11.0	7.4
SW	1.0	2.8	2.9	1.9	.2							8.8	7.9
WSW	1.7	1.4	1.8	1.3	.2	.1						5.9	8.4
W	2.0	1.2	.4	.6								4.2	5.2
WNW	.9	.3	.4	.4	.1							2.2	6.7
NW	1.0	.7	1.3	.3								3.3	6.3
NNW	1.3	.3	.1									1.8	2.8
VARB			.7	.3	.3							1.3	11.8
CALM												22.9	
	22.7	22.8	20.0	10.0	1.3	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035831 LAKENHEATH RAF UK 73-82 SEP  
STATION STATION NAME YEAR MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.7	.7									2.6	4.7
NNE	.7	.3										1.0	3.2
NE	1.7	.4	.2									1.7	3.7
ENE	.7	.2	.6	.1								1.1	6.6
E	.9	1.7	.9	.6	.2							3.6	7.1
ESE	.9	1.7	.8	.1								3.9	5.5
SE	2.7	2.6	1.1	.4								6.1	5.3
SSE	2.4	2.2	1.6	1.4								7.7	6.3
S	1.7	3.4	3.9	1.8	.1							10.9	7.1
SSW	3.1	2.1	3.8	2.1	.2	.1						11.5	7.3
SW	1.6	2.6	3.1	2.4	.4							10.1	8.4
WSW	1.1	1.3	2.8	1.7	.2							7.1	8.4
W	1.8	2.7	2.4	.7	.2							7.1	6.6
WNW	.7	1.4	.4	.4	.1	.1						2.8	7.1
NW	1.0	.8	1.2	.1								3.1	5.8
NNW	1.1	.4	.1									1.7	3.1
VARBL		.1	1.2	.9	.2							2.9	11.1
CALM												16.1	
	21.4	23.4	24.4	12.8	1.8	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AWP WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 25831    LAKENHEATH RAF UK    YEAR: 71-82    MONTH: SEP  
STATION NAME    YEAR    MONTH (L.S.T.)  
 CLASS: ALL WEATHER  
CLASS  
 CONDITION: \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.4	1.4	.2								3.9	6.2
NNE	.3	.7	.4									1.4	5.5
NE	.4	.4	.6	.1								1.6	5.7
ENE	.1	.7	.6	.3								1.7	7.7
E	.7	.8	.8	.8								3.2	7.3
ESE	.3	1.2	.3	.3								2.2	6.8
SE	.4	1.2	1.2	.6	.1	.1						3.7	7.9
SSE	.8	1.3	1.6	1.4	.2							5.3	8.5
S	.8	1.2	2.8	2.9	1.1	.2						9.7	10.8
SSW	1.0	1.7	4.4	3.8	.6							11.4	9.6
SW	1.7	1.6	3.9	4.7	.4	.4						12.0	10.3
WSW	1.7	1.3	3.2	2.7	.6							9.4	8.9
W	1.3	2.4	3.2	2.6	1.7	.4						11.0	9.7
WW	1.3	1.3	1.7	1.1	.1	.1						5.2	7.6
NW	.7	1.8	1.2	.3	.1							4.1	6.5
NNW	1.0	1.7	.9	.3	.1							3.3	6.3
VARBL		.1	5.6	2.3	.3							8.3	9.8
CALM												3.3	
	12.3	20.2	33.8	24.4	4.6	1.3						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 075931 STATION NAME LAKENHEATH RAF UK YEARS 77-82 MONTHS SEP  
 CLASS ALL WEATHER MONTHS 1200-1800  
 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	.4	1.2	1.9	.6	.2							4.3	8.0
NNE	.7	.9	.3									1.9	4.9
NE	.4	1.0	.6									2.7	5.3
ENE		.7	.3									.6	8.0
E	.3	.8	1.3	1.1	.1							3.7	9.2
ESE	.1	.6	.3	.2								1.2	7.0
SE	.3	.4	.4	.7	.4							2.3	10.2
SSE	.4	.7	.9	.6	.4	.1						3.1	9.9
S	.4	1.8	3.7	4.1	1.7	.2						10.6	10.9
SSW	.6	1.6	2.1	3.3	.6	.3						8.5	10.8
SW	.9	1.7	2.4	7.1	1.3	.2						13.7	11.5
WSW	.3	2.1	2.9	3.7	1.2	.2						9.8	10.9
W	.7	3.1	3.3	3.6	.3	.4						11.5	9.7
WNW	1.3	2.1	2.1	1.3	.1							7.3	7.1
NW	.6	1.9	1.1	.4								4.3	6.9
NNW	.7	1.7	1.3	.3	.1	.1						4.2	6.9
VARBL		.1	6.8	2.8	.2							9.9	9.8
CALM												1.8	
	8.2	21.8	31.3	29.1	6.1	1.7						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 1399

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35931 LAKENHEATH RAF UK YEARS 77-82 MONTH SEP  
 STATION NAME LAKENHEATH RAF UK CLASS ALL WEATHER MONTHS 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	2.2	.7	.1							5.4	7.1
NNE	.8	1.1	.3									2.2	4.5
NE	.4	1.0	1.0	.1								2.5	6.1
ENE	.7	.3	.4	.4								1.9	6.7
E	.3	1.4	1.8	.7								4.2	7.3
ESE	.4	1.0	.3	.4								2.2	6.7
SE	.1	1.3	1.8	.9								4.1	8.4
SSE	.3	.9	1.6	.8								3.6	8.3
S	.9	2.0	3.7	2.7	.3	.1	.1					9.8	9.4
SSW	.6	1.4	2.9	2.6	.7	.4						8.6	10.4
SW	.4	.9	3.3	5.3	.4	.1						15.6	15.9
WSW	1.2	1.1	3.2	3.8	.6	.1						15.0	9.8
W	1.9	3.7	3.9	2.3	.4	.1						12.3	7.9
WNW	1.9	1.6	2.1	1.2	.2	.1						7.1	7.2
NW	1.3	1.6	.8	.3								3.7	5.6
NNW	.7	1.4	1.1	.6								3.8	6.6
VARB			3.6	1.2	.3							5.1	10.0
CALM												2.9	
	12.9	22.0	34.0	24.0	3.1	1.0	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 035831 STATION NAME LAKENHEATH RAF UK YEARS 73-82 DATE SEP  
 ALL WEATHER CLAS 1970-2000  
 HOURS (LST) 1970-2000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.7	.6	.2								4.4	8.3
NNE	1.4	.6	.1									2.1	2.9
NE	1.9	1.1	.6									3.6	4.0
ENE	.9	.6	1.2									2.7	5.7
E	1.4	2.1	1.3	.3								5.2	5.6
ESE	2.3	2.6	1.1	.2	.1							6.3	5.0
SE	2.7	3.3	1.8	.2	.1	.1						7.6	5.5
SSE	2.0	1.7	2.7	.8								6.4	6.1
S	.8	1.8	3.8	1.7	.1							9.1	8.2
SSW	.8	1.9	3.1	1.7	.2	.7	.1	.1				7.8	9.7
SW	1.8	1.8	2.1	2.3	.3	.1						8.1	9.7
WSW	1.1	2.2	2.0	2.0	.1							7.4	7.8
W	1.7	2.3	2.2	1.1								7.3	6.7
WNW	.7	1.6	1.3	.4	.1							4.1	6.8
NW	.6	.3	.8		.1							1.8	6.6
NNW	.9	.3	.7	.4								2.3	6.3
VARBL		.1	.6	.6								1.2	10.8
CALM												13.4	
	21.6	25.9	25.2	12.0	1.2	.8	.1	.1				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 75931 STATION NAME LAKENHEATH RAF UK YEARS 77-80 PERIOD SEP 1977-2100  
 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	1.8	.8										2.6	2.9
NNE	1.3	1.1	.2									2.7	3.8
NE	1.2	.7	.1									2.7	3.4
ENE	.6	.2	.6									1.1	5.6
E	1.7	1.7	.9	.8								4.1	6.6
ESE	1.7	2.9	1.8	.1								5.3	5.9
SE	1.7	3.3	1.1	.4		.1						6.7	5.5
SSE	3.4	1.7	1.7	1.1	.1	.1						3.1	6.2
S	1.5	2.6	3.2	3.1	.2							10.7	8.7
SSW	.6	1.7	3.2	2.7	.3	.1	.1					8.2	9.2
SW	.9	2.8	2.3	1.7	.2	.1						7.3	7.9
WSW	.6	.9	2.0	2.4	.2							6.1	9.7
W	1.3	2.4	1.6	.8								6.1	6.2
WNW	1.1	1.1	.3	.3								2.9	5.1
NW	.6	.3	.9	.2								2.2	6.9
NNW	.9	.4	.6	.3								2.2	5.9
VARBL			.9	.6								1.4	12.6
CALM												19.8	
	19.4	24.6	21.3	13.2	1.1	.4	.1					100.3	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35831 STATION NAME LAKENHEATH RAF UK YEAR 73-82 SEP MONTH

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

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.7	.9	.2	.7							3.5	5.5
NNE	.8	.8	.2									1.9	4.0
NE	.8	.7	.4	.7								2.7	4.6
ENE	.4	.3	.5	.1								1.4	6.8
E	.9	1.4	1.1	.6	.1							4.1	6.8
ESE	1.1	1.9	.7	.2	.7							3.8	5.8
SE	1.3	2.1	1.2	.5	.1	.7						5.2	6.0
SSE	1.9	1.7	1.5	1.0	.1	.7						6.2	6.6
S	1.4	2.3	3.5	2.5	.4	.1	.7					10.2	8.5
SSW	1.3	1.9	3.3	2.4	.4	.2	.7	.7				9.6	8.9
SW	1.1	2.0	2.8	3.3	.5	.1						9.9	9.5
WSW	1.0	1.5	2.4	2.4	.4	.1						7.8	9.2
W	1.6	2.4	2.3	1.5	.3	.1						8.1	7.7
WNW	1.1	1.3	1.1	.7	.1	.0						4.3	6.8
NW	.8	1.7	1.0	.3	.0	.0						3.0	6.3
NNW	1.0	.8	.6	.3	.0	.0						2.6	5.6
VARBL		.1	2.5	1.1	.2							3.9	10.1
CALM												12.8	
	17.7	22.8	26.2	17.1	2.6	.7	.0	.7				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7196

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 3FR31 STATION NAME LAKENHEATH RAF UK YEAR 77-82 MONTH OCT  
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	.1									2.7	3.8
NNE	.8	1.6	1.7									3.3	5.5
NE	1.5	.9	.6	.1								3.1	5.0
ENE	.9	.5										1.4	3.0
E	1.9	2.7	1.2									5.9	4.6
ESE	1.7	1.3	1.7									4.0	4.6
SE	2.7	3.1	1.1	.3								6.6	5.0
SSE	2.7	3.7	1.7	.6	.1							8.2	5.8
S	1.7	2.3	1.6	1.1								6.7	6.6
SSW	.5	2.4	1.6	2.3	.6							7.4	9.2
SW	1.5	1.8	2.7	1.8	.4	.1	.2					8.0	8.8
WSW	.4	1.8	2.6	1.3	.1							6.2	8.5
W	.6	1.6	1.5	1.2	.2	.1						5.3	8.4
WNW	.5	1.1	1.7	.5	.3							3.4	8.0
NW		.6	2.3	1.1	.2							4.2	9.8
NNW	.5	.1	.1	.9								1.6	8.3
VARBL			1.1	.5								1.6	10.5
CALM												20.5	
	18.0	26.9	20.4	11.7	2.0	.2	.2					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

035931 LAKENHEATH RAF UK 73-82 ACT  
STATION STATION NAME YEAR MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9	.5	.1								2.4	5.0
NNE	1.2	1.6	.9	.2								3.9	5.3
NE	1.3	1.7	.3									2.6	3.9
ENE	.8	1.3										2.7	3.7
E	2.2	1.9	1.1									5.2	4.5
ESE	1.2	2.3	1.8	.3								5.4	5.8
SE	2.7	2.5	1.3	.1								5.9	5.0
SSE	1.7	2.8	2.2	.9								7.5	6.0
S	1.8	2.4	1.4	1.0	.5							7.1	7.1
SSW	1.5	2.4	1.5	2.7	.2							8.3	8.1
SW	.5	1.8	2.7	1.3	.5							6.9	8.6
WSW	1.1	1.7	2.3	1.2	.1	.1						5.7	8.1
W	.6	1.2	2.4	1.3	.4	.1						6.0	9.2
WNW	.6	.8	.9	.3	.2							2.8	7.3
NW	.3	.8	2.7		.3							3.4	7.6
NNW	.3	.5	.2	.8	.2							2.0	9.3
VARBL			1.7	.5								1.5	10.6
CALM												21.3	
	18.1	24.8	22.4	10.7	2.6	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

035831 STATION 77-82 OCT 0600-0800  
 LAKENHEATH RAF UK STATION NAME YEARS MONTHS (L.S.T.)  
 ALL WEATHER CLASS  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥36	%	MEAN WIND SPEED
N	.6	1.3	.8	.7	.2							3.0	6.8
NNE	1.4	.9	1.2									3.4	5.0
NE	1.0	.9	.4	.2	.2							2.7	6.1
ENE	.9	.6	.1									1.5	3.6
E	2.7	2.2	1.7	.2								6.1	5.1
ESE	.9	2.0	1.3	.7								4.4	5.6
SE	1.9	2.3	2.4	.8								7.3	6.3
SSE	1.7	2.9	2.4	.4	.1							7.5	6.0
S	2.2	3.3	1.3	1.4	.5							8.7	6.9
SSW	1.4	1.9	1.9	2.9	.3							8.5	8.9
SW	1.5	1.8	1.7	1.2	.4							6.7	7.5
WSW	1.1	1.1	2.4	1.5	.4							6.2	7.8
W	1.3	1.3	2.3	1.3	.1	.1						6.3	8.2
WNW	.9	1.1	1.2	.8	.2							4.1	7.9
NW	.2	.8	1.2	.3	.3							2.8	8.8
NNW	.4	.4	.5	.3	.1							1.8	7.6
VARBL			.8	.2	.4							1.9	12.9
CALM												17.6	
	19.2	24.7	23.4	11.8	3.0	.1						170.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35831 LAKENHEATH RAF UK YEAR 77-82 MONTH OCT  
 STATION NAME YEAR MONTH  
 ALL WEATHER CLASS 0900-1100  
 HOUR (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	.8	1.2	.9	.3							3.9	8.8
NNE	.2	.8	1.2	.5	.1							2.8	8.2
NE	.4	.5	1.0	.8	.1							2.5	8.0
ENE	.4	.6	.8	.7								2.7	6.3
E	.4	2.0	1.8	1.1	.1	.1						5.6	8.1
ESE	.4	1.6	2.3	.4	.1	.1						4.9	7.7
SE	1.2	1.2	1.5	1.0								4.8	6.9
SSE	.4	1.8	2.3	1.6	.1							6.2	8.6
S	1.0	3.3	3.8	1.6	.3							10.0	7.9
SSW	.5	1.8	2.4	2.4	1.6	.3						9.7	11.2
SW	1.2	1.3	2.3	1.3	1.4	.2						7.6	10.3
WSW	.9	1.7	1.7	2.2	.1	.2						5.9	9.6
W	1.6	1.2	3.7	2.5	.9	.2						9.4	9.3
WNW	1.3	.6	1.9	1.1	.6							5.6	8.7
NW	.3	.4	1.6	2.2	.5							5.1	11.1
NNW	.4	.8	.6	.5								2.4	7.5
VARB			2.5	2.0	.4	.1						5.1	11.8
CALM													7.2
	11.4	19.8	31.7	21.8	6.8	1.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

035931 LAKENHEATH RAF UK 73-82 OCT  
STATION YEAR MONTH  
ALL WEATHER 1200-1400  
CLASS (L.O.T.)  
 \_\_\_\_\_  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.2	1.9	1.8	.2							6.5	8.3
NNE		.1	1.0	.8	.2							2.3	11.1
NE	.1	.3	.5	.6	.1							1.7	9.3
ENE		.1	.2	.8								1.1	10.7
E	.6	1.5	1.5	1.7								5.4	8.3
ESE	.9	1.2	1.3	1.6	.3							5.3	8.6
SE	.3	1.6	2.7	1.5	.2							6.3	8.9
SSE	1.7	1.5	2.2	1.0	.1							5.7	7.7
S	.2	2.8	3.2	2.3	.1							8.6	8.7
SSW	.4	1.5	2.5	3.3	1.3	.2						9.2	11.4
SW	.5	1.4	1.5	2.3	1.1	.3						7.1	11.2
WSW	.3	1.1	1.6	2.0	.4	.3						5.8	11.0
W	1.6	2.4	2.3	3.3	1.1	.1						10.5	9.7
WNW	.5	1.5	1.7	1.7	.3							5.8	8.8
NW	.9	.9	1.3	2.0	.5	.2						5.8	10.4
NNW	1.1	1.1	1.4	1.4	.1							5.1	8.2
VARBL			2.5	2.9	.8							6.1	11.9
CALM												1.9	
	9.8	20.1	29.0	31.1	6.9	1.2						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

35831 LAKENHEATH RAF UK 73-82 OCT  
STATION STATION NAME YEAR MONTH  
ALL WEATHER 1500-1700  
CLASS HOURS (L.S.T.)  
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	1.9	2.5	2.2	2.0	.1							8.7	7.1
NNE	.9	.4	.6	.6								2.6	6.7
NE	.2	.5	.8	.2								1.7	7.5
ENE	.4	.8	1.7	.2								2.4	6.8
E	1.4	1.7	1.6	.4								5.2	5.9
ESE	1.1	2.2	1.5	1.4	.1							6.2	7.1
SE	1.1	2.7	1.6	.6	.3							6.3	7.0
SSE	1.3	2.2	1.5	.9								5.8	6.5
S	1.3	2.9	3.9	2.3	.1	.1						10.5	8.0
SSW	.4	.9	1.1	2.7	.8	.1						5.3	11.0
SW	.9	1.2	2.7	2.5	.4							7.0	9.5
WSW	.9	1.2	1.8	1.2	.5							5.6	8.8
W	.9	1.3	1.8	2.8	.2	.1						7.1	9.3
WNW	1.3	1.3	1.9	1.3	.4							6.2	8.2
NW	1.1	1.2	1.1	.9	.3							4.5	7.6
NNW	.6	.8	1.4	.8								3.5	7.6
VARBL			1.2	1.8	.3							3.3	11.8
CALM												8.0	
	15.6	23.5	27.0	21.9	3.7	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 35P31 STATION NAME LAKENHEATH RAF UK YEARS 73-82 MONTH OCT  
 ALL WEATHER CLM MONTHS (L.S.T.) 1800-2200  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	1.3	1.5	.2	.1							5.1	5.4
NNE	1.4	1.1										2.5	3.7
NE	1.5	1.4	1.7									3.9	4.7
ENE	.6	.6	.4									1.7	4.5
E	2.4	2.2	1.9	.1								6.6	5.7
ESE	1.2	2.9	1.2		.1	.1						5.5	5.5
SE	2.8	3.7	1.6	.5	.1	.1						8.2	5.3
SSE	1.3	3.7	1.9	.5								6.9	6.0
S	1.3	1.8	3.1	1.6		.3						8.2	8.3
SSW	.7	1.4	2.7	1.7	.6	.1	.1					6.2	10.2
SW	.8	1.7	1.4	1.6	.2							5.7	8.5
WSW	1.2	1.5	1.1	1.5								5.3	7.2
W	.8	1.3	3.7	1.3	.1							6.5	8.1
WNW	.2	.5	1.4	.8	.3							3.2	9.2
NW	.5	.6	1.2	.6								3.0	7.9
NNW	.9	.4	.8	.3								2.4	6.0
VARBL		.1	1.1	1.0		.1						2.3	11.2
CALM												17.2	
	18.9	24.9	24.6	11.8	1.6	.8	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 035831 LAKENHEATH RAF UK 73-82 YEARS 0CT  
STATION NAME CLASS MONTH  
ALL WEATHER 2100-2300  
CONDITION HOWR (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.9	.6									2.8	4.2
NNE	2.4	.9	.9	.1								4.2	4.2
NE	.9	.9	.8	.1								2.6	5.2
ENE	.4	.8	.2	.1								1.5	4.9
E	1.5	1.7	.8									4.0	4.5
ESE	1.4	2.4	1.0			.1						4.8	5.1
SE	1.9	2.8	1.2	.5	.2	.1						6.7	5.7
SSE	2.5	3.1	1.5	.3								7.4	4.9
S	1.4	3.8	2.6	1.8	.1	.2						9.9	7.5
SSW	.5	1.9	1.5	1.9			.1					6.0	8.9
SW	.8	2.5	2.5	1.8	.6	.1	.2					8.5	9.3
WSW	.6	1.2	2.4	1.0	.1	.1						5.3	7.7
W	.2	2.0	2.2	1.3	.2	.1						6.2	8.7
WNW	.1	1.0	1.2	.6	.2							3.1	9.0
NW	.5	.3	1.2	1.1								3.1	8.6
NNW	.2	.8	.3	.6								1.9	7.8
VARBL			1.5	.6		.1						2.3	10.4
CALM												19.9	
	16.7	26.8	22.2	12.0	1.5	.6	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 23831 STATION NAME LAKENHEATH RAF UK YEARS 73-82 DCT 0000  
 CLASS ALL WEATHER HOURS (LST) ALL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	1.1	.6	.1							4.4	6.5
NNE	1.7	.9	.8	.3	.7							3.1	5.9
NE	.9	.8	.7	.2	.1							2.5	5.9
ENE	.5	.7	.3	.2								1.7	5.3
E	1.6	2.7	1.5	.8	.7	.7						5.5	5.8
ESE	1.1	1.9	1.4	.5	.1	.7						5.1	6.3
SE	1.7	2.4	1.7	.7	.1	.7						6.5	6.2
SSE	1.5	2.6	1.9	.8	.1							6.9	6.4
S	1.4	2.8	2.6	1.6	.2	.1						9.7	7.7
SSW	.7	1.8	1.8	2.4	.7	.1	.7					7.5	9.9
SW	1.0	1.7	2.7	1.7	.6	.1	.1					7.2	9.2
WSW	.8	1.2	2.0	1.5	.2	.1						5.7	8.6
W	1.0	1.5	2.3	1.9	.8	.1						7.1	8.9
WNW	.7	1.7	1.4	.9	.3							4.3	8.4
NW	.5	.7	1.5	1.0	.3	.7						4.7	9.2
NNW	.6	.6	.7	.7	.1							2.6	7.8
VARL		.7	1.4	1.2	.2	.7						2.9	11.5
CALM												14.2	
	16.0	23.9	25.1	16.6	3.5	.6	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

35831 STATION LAKENHEATH RAF UK STATION NAME 77-82 YEARS NOV MONTHS  
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	.7	.5	.2								3.3	4.2
NNE	.5	.7	.5									1.5	5.1
NE	.5	.3	.6		.2							1.5	7.4
ENE	.1	.5	.2	.2	.1							1.1	8.2
E	.1		.9	.3								1.4	8.5
ESE	.2	.5	.5	.1								1.2	6.5
SE	1.2	1.0	.7	.2								4.1	5.1
SSE	1.7	2.4	1.4	.8	.1							6.3	6.1
S	2.4	2.4	3.2	2.1	.6							11.0	7.9
SSW	2.3	2.4	3.5	6.9	.9	.2						16.1	9.9
SW	.6	2.7	5.2	6.4	.3	.3	.1					15.7	12.3
WSW	1.1	1.5	2.7	2.5	.5							7.5	9.0
W	1.2	1.6	2.5	.9		.1						6.3	7.3
WNW	.5	.7	.9	.8								2.8	7.8
NW	.2	.3	.3	.3	.3							1.6	10.7
NNW	1.7	.3	.3									1.7	4.1
VARBL			.6	.8	.5	.2						2.0	14.1
CALM												14.8	
	15.9	18.7	23.5	22.6	3.5	.9	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 888

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35831 STATION NAME LAKENHEATH RAF UK YEARS 73-82 NAVY NOV  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	1.7	.8	1.1									3.6	4.7
NNE	.5	1.1		.1								1.7	4.9
NE	.7		.1	.2	.1	.1						1.2	7.9
ENE	.3	.3	.1	.3		.1						1.2	3.4
E	.1	.8	.3	.3								1.6	7.3
ESE	.6	.6	.3									1.5	4.5
SE	1.7	1.1	.8	.5								4.1	5.7
SSE	1.7	2.9	2.1	.8	.1							7.0	6.6
S	2.1	2.1	2.4	3.4	1.5							11.4	9.4
SSW	1.2	1.8	3.6	5.6	1.1							13.4	10.3
SW	.9	3.3	5.1	6.0	.9	.2						16.3	10.1
WSW	.7	1.7	2.4	2.1	.5	.3						7.0	10.3
W	.5	.9	2.1	1.5	.1	.1						5.2	9.4
WNW	.5	.5	1.4	.3	.1							2.7	7.8
NW	.1	.5	.8	.8	.3							2.5	10.7
NNW	.6	.8	.2	.2								1.8	5.1
VARBL			.7	.7	.3	.1						1.8	13.0
CALM												16.1	
	13.7	18.5	23.5	22.9	5.1	1.0						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 888

GLOEAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 25831 LAKENHEATH RAF UK YEARS 73-80 NOV  
 STATION NAME LAKENHEATH RAF UK YEARS NOV  
 CLASS ALL WEATHER 600-800  
 HOURS (L.S.T.) 600-800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.1	.3	.1								3.3	4.2
NNE	.8	.9	.3									2.7	4.4
NE	.5	.5	.1	.1	.2							1.4	7.1
ENE	.7	.3	.1	.2		.7						1.1	10.5
E	.6	.2	.7	.2								1.7	6.7
ESE	.5	1.4	.8									2.7	5.5
SE	1.7	2.7	.9	.2								4.8	5.5
SSE	.7	1.8	1.7	.7								5.1	6.8
S	2.4	2.9	4.5	3.3	.5	.1						13.5	8.3
SSW	1.9	2.4	3.8	6.3	1.2	.2						15.9	10.1
SW	.9	.9	4.5	5.5	.5	.1						12.4	10.3
WSW	.2	.8	2.6	2.1	.5							6.2	10.4
W	.9	.8	2.3	1.8	.5	.2						6.4	10.0
WNW	.1	1.7	1.1		.1							2.4	6.9
NW	.6	1.7	.9	1.5	.7							4.2	9.2
NNW	.7	.5	.7	.5								2.3	6.9
VARBL			.2	.7	.2	.1						1.2	14.4
CALM												13.4	
	13.9	19.1	25.6	23.2	3.8	1.0						170.0	7.5

TOTAL NUMBER OF OBSERVATIONS 888

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 05931 STATION NAME: LAKENHEATH PAF UK YEARS: 77-81 MONTH: ALL  
 CLASS: ALL WEATHER HOUR: 1-24  
 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	.6	.1								.1	5.2
NNE	.7	.7	.6									.1	4.7
NE	.7	.5	.3	.3		.7						.6	9.7
ENE	.7	.3	.1	.2	.7	.1						.1	12.8
E		.6	.7	.2								.5	3.1
ESE	.6	.5	1.1	.2								.4	6.7
SE	1.1	1.6	1.2	.8								.7	6.4
SSE	1.1	1.0	.7	.8	.1							.7	6.8
S	.8	1.0	3.4	3.2	1.7	.3						10.2	12.1
SSW	1.7	1.4	4.2	3.0	2.1	.5						17.7	10.0
SW	.3	.7	3.7	7.0	1.6	.2						14.7	11.6
WSW	.9	.7	3.7	3.5	.8	.2						7.7	11.2
W	.7	1.4	2.1	3.4	.8	.1						5.4	10.3
WNW	.3	.7	1.8	1.4								4.6	8.5
NW	.3	1.4	2.5	1.9	.7							6.4	9.4
NNW	.3	.3	1.7	.7								1.7	6.8
VARBL			1.2	1.5	.6	.1						1.4	12.8
CALM												6.9	
	11.4	14.2	20.5	28.6	7.7	1.9						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 388

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 71931 LAKENHEATH RAF UK YEARS 77-82 NCV 0000  
 STATION NAME CLASS ALL WEATHER? HOURS (L.S.T.) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.3	.2								1.9	5.2
NNE	.7	.9	.1	.1								1.9	4.7
NE	.7	.4	.3	.4								1.6	7.3
ENE	.7	.3	.7	.6	.7	.2						2.2	13.9
E	.5	.1	.6	.7	.2							1.7	7.9
ESE	.4	.4	.7	.3								1.9	6.9
SE	.2	1.7	1.1	1.0								3.8	8.5
SSE	.3	1.7	1.9	.4	.1							3.8	7.7
S	.7	2.6	3.3	2.5	1.3	.1						10.4	10.0
SSW	.7	1.7	3.8	4.0	1.7	1.2						12.2	12.8
SW	.3	.7	3.4	5.6	2.2	.3						12.6	12.9
WSW	.4	1.1	2.8	2.8	1.6	.4						9.2	12.0
W	1.7	1.5	2.1	4.9	1.6	.3						12.1	11.0
WNW	.8	.6	1.8	2.9	.7							6.4	10.5
NW	.8	.9	2.9	2.0	.2							6.5	9.6
NNW	.6	.6	1.3	1.0								3.5	8.4
VARBL			2.0	1.8	.6	.3						4.7	12.8
CALM												4.0	
	9.1	13.8	28.7	31.0	10.5	2.8						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 891

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATR WEATHER SERVICE/MAC

### SURFACE WINDS

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

135831 STATION      LAKENHEATH RAF UK STATION NAME      77-82 YEARS      NGV MONTH  
 ALL WEATHER CLASS      1500-1700 HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.9	.9	.3								2.3	5.9
NNE	.3	.1	.8	.1								1.3	6.0
NE	.3	.4	.7	.8	.2	.1						2.6	10.3
ENE	.1	.2	.1	.1	.1	.1						.8	10.6
E	.3	.3	.4	.4								1.6	7.9
ESE	.3	.8		.6								1.7	7.1
SE	.8	1.5	.3	.3								2.9	5.3
SSE	.3	2.1	2.2	.4								5.2	6.8
S	1.2	3.5	2.5	3.9	.3	.4						11.9	9.3
SSW	.6	1.7	3.7	4.2	.9	.1						11.1	10.4
SW	1.0	1.8	3.5	5.4	1.8	.3						13.8	11.3
WSW	.9	.7	1.9	2.7	.4	.1						6.6	10.4
W	1.1	2.6	3.9	3.1	1.2	.1						12.1	9.7
WNW	.7	1.9	1.5	1.2		.1						5.4	7.8
NW	.9	1.5	1.5	1.5	.1							5.4	8.1
NNW	.4	.4	.9	.4	.1	.1						2.5	9.1
VARBL			.8	.9	.3	.3	.1					2.5	14.7
CALM												9.8	
	10.2	20.3	25.6	26.5	5.6	1.9	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 891

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35931 STATION NAME LAKENHEATH RAF UK YEAR 73-82 MONTH NOV  
 CLASS ALL WEATHER PERIOD 1800-2000  
 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	.3	.3								2.5	5.8
NNE	.1	1.3	.6									2.0	6.1
NE	.3	.3	.3	.4	.2	.1						1.8	9.9
ENE	.1	.1	.3	.1	.2	.2						1.7	11.7
E	.2		.4	.3								1.0	9.3
ESE	.3	.3	.6	.3								1.6	7.1
SE	1.7	2.6	.6	.1								4.3	4.8
SSE	1.2	3.8	1.7	.4								6.9	5.7
S	1.7	3.3	3.1	4.3	.2							11.9	8.7
SSW	.6	1.3	4.4	5.5	.8	.2	.1					12.9	10.9
SW	.3	1.9	3.5	4.2	1.2	.3						11.5	11.1
WSW	.7	1.1	3.7	2.1	.4							7.4	9.7
W	2.2	2.1	2.4	3.3	.6	.2						10.8	8.9
WNW	1.5	1.1	1.5	.2	.1							4.4	6.3
NW	.7	1.7	1.0	1.1								3.8	7.7
NNW	.7	.2	.6	.4	.1							2.0	7.9
VARBL			.1	1.0		.1						1.2	15.0
CALM												13.0	
	11.7	21.8	29.7	24.3	3.9	1.1	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 890

GLOPAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 37831 LAKEHEATH RAF UK YEAR 73-80 MONTH NOV  
STATION NAME CLASS CONDITION  
ALL WEATHER 2107-2300  
NOV GMT GMT  
NOV GMT GMT

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	.4	.2	.1							3.3	5.0
NNE	.3	1.0	.4									1.8	5.4
NE	.3	.4	.7	.1	.3							1.5	8.5
ENE	.1	.2	.1	.3	.1							.9	9.8
E	.2	.1	.6	.1								1.0	6.8
ESE	.6	.7	.1	.7								2.0	7.4
SE	1.0	1.1	.3									2.5	4.2
SSE	2.5	2.8	1.5	.6	.1							7.4	5.3
S	1.1	2.8	2.5	2.9	.7							10.0	8.8
SSW	.3	3.6	4.4	7.0	.7		.2					16.2	10.6
SW	.4	2.1	3.9	5.2	.8	.2						12.7	10.6
WSW	.9	1.7	2.1	1.6	.4							7.1	8.8
W	.4	2.6	2.7	2.4	.4	.1						9.7	9.2
WNW	.9	1.7	1.5	.2								4.3	6.2
NW	.2	.1	.8	.6	.3							2.0	10.7
NNW	.8	.2	.4	.3								1.8	6.4
VARBL			.4	.9	.1		.1					1.6	13.9
CALM												15.4	
	11.5	22.5	22.5	23.4	4.2	.3	.3					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 890

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 035833 LAKENHEATH RAF UK STATION NAME 73-82 YEAR NOV  
 CLASS ALL WEATHER CLAS ALL  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.8	.6	.2	.0							2.9	5.2
NNE	.5	.8	.4	.0	.0							1.8	5.2
NE	.4	.4	.3	.3	.2	.1						1.5	8.7
ENE	.2	.3	.2	.3	.2	.1						1.2	10.7
E	.3	.3	.6	.3	.0							1.4	7.8
ESE	.4	.6	.5	.3								1.9	6.5
SE	1.2	1.7	.7	.4								3.8	5.7
SSE	1.1	2.3	1.8	.6	.1							5.9	6.4
S	1.5	2.7	3.1	3.2	.8	.1						11.4	9.0
SSW	1.2	1.0	3.9	5.4	1.2	.3	.0					13.9	10.6
SW	.7	1.8	4.1	5.7	1.2	.3	.0					13.6	11.0
WSW	.7	1.0	2.5	2.5	.6	.1						7.5	10.3
W	1.1	1.7	2.5	2.7	.6	.2						8.8	9.7
WNW	.7	1.0	1.4	.9	.1	.0						4.1	7.9
NW	.4	.8	1.3	1.2	.2							4.2	9.2
NNW	.6	.4	.7	.4	.0	.0						2.2	7.1
VARBL			.8	1.0	.3	.2	.0					2.3	13.5
CALM												11.7	
	12.1	19.6	25.4	25.3	5.5	1.4	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 7118

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

35831 LAKENHEATH RAF UK 73-82 DFC  
 STATION STATION NAME YEARS MONTHS  
 ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.6	.4									2.2	4.2
NNE	.3	1.7	.4	.4								2.2	6.8
NE	.5	.5	.3	.4								1.8	7.1
ENE			.4	.1	.1	.2	.1					1.7	16.2
E	.6	1.7	1.7	.5								3.9	7.1
ESE	.5	.8	1.7	1.3	.1	.1						3.8	9.2
SE	.5	1.7	1.8	1.2	.2	.1						4.8	8.8
SSE	1.2	.4	1.7	1.7	.5	.1						4.9	9.6
S	1.2	2.7	2.7	2.6	.5							9.7	8.6
SSW	1.4	2.2	3.5	4.4	1.7	.1						13.3	10.4
SW	1.8	2.7	3.5	4.2	1.2	.1	.1	.1				13.1	10.0
WSW	.3	1.4	3.7	4.4	.4	.1						10.2	10.5
W	.9	1.4	1.9	1.8	.8							6.8	9.5
WNW	.2	.4	1.3	1.5								3.4	9.1
NW	.1	.2	1.4	.9								2.6	9.5
NNW	.2	.3	1.1	.2								1.8	7.3
VARBL			.8	.6	.3	.2	.1					2.0	14.5
CALM												13.1	
	11.7	15.3	27.7	26.3	5.8	1.1	.3	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35931 STATION NAME LAKENHEATH RAF UK YEARS 73-82 DATE DEC  
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	.9	.6									2.7	4.8
NNE	.3	.5	.8	.1								1.7	6.2
NE	.4	.2	.7	.1		.7						1.2	9.7
ENE	.1	.4	.3	.8	.1							1.7	9.6
E	.9	1.7	.9	.8								3.4	7.0
ESE	.2	.8	1.4	1.0	.2							3.5	9.3
SE	.3	.9	1.5	.6	.3	.1						3.9	9.0
SSE	1.2	.9	1.6	1.4	.3	.7						5.5	9.0
S	1.3	1.5	2.7	2.6	.9							8.9	9.4
SSW	1.4	2.6	4.3	4.1	1.1	.3	.1					13.9	9.7
SW	1.3	2.4	3.2	5.2	1.0	.4		.1				13.5	12.6
WSW	.8	1.8	3.2	3.7	.1							9.6	9.8
W	.8	.8	1.7	2.4	.2							5.8	9.8
WNW	.3	.5	.5	.8	.1	.1						2.4	9.6
NW	.7	.4	1.3	1.5	.2							3.8	10.3
NNW	.1	.4	.8	.3								1.6	7.6
VARBL		.2	.8	.8	.3			.1				2.2	12.9
CALM												14.8	
	10.9	16.7	25.8	25.9	4.8	1.4	.1	.2				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 03831 LAKENHEATH RAF UK      YEARS: 73-82      DATE: DEC  
 CLASS: ALL WEATHER      HOURS (L.S.T.): 2600-2800  
 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	.9	.3	.5	.1							2.2	7.7
NNE	.8	.9	.3									1.9	4.8
NE	.6	.7	.4	.3								1.6	6.1
ENE	.3	.3	.4	.6								1.7	8.3
E	.4	1.3	1.8	.1	.1							3.8	6.8
ESE	.4	.1	1.7	1.3								3.5	9.1
SE	.5	.6	1.5	.9	.1	.2						3.9	9.4
SSE	1.7	.9	1.8	1.1	.5	.2						5.5	9.5
S	.8	2.2	3.3	3.3	1.0	.1						10.6	9.9
SSW	1.5	2.3	5.1	3.7	.6	.2						13.3	9.3
SW	.5	2.8	3.7	4.0	1.3	.3						11.9	10.6
WSW	.4	1.9	2.9	3.0	.4	.2						8.9	9.9
W	1.5	1.5	1.9	2.2	.1	.1	.1					7.4	8.6
WNW	.2	.1	.3	.6	.5							1.8	11.4
NW	.2	.5	1.7	1.0	.3							3.8	9.6
NNW	.3	.3	.8									1.4	6.4
VARBL			.2	1.0	.2	.1						1.5	14.9
CALM												15.2	
	9.9	16.8	27.6	23.5	5.4	1.5	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIF WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 35831 LAKENHEATH RAF UK YEAR 73-82 MONTH DEC  
 CLASS ALL WEATHER NUMBER OF HOURS (L & N) 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	.5	.8	.7	.2							2.6	7.5
NNE	.4	.5	.8	.2								1.9	6.7
NE	.4	.6	.4	.5								2.7	7.3
ENE	.4	.2		.8								1.4	6.2
E	.5	.9	1.7	1.0								4.3	9.2
ESE	.4	.5	1.2	1.2								3.3	8.6
SE	.5	.6	.8	1.7		.7						4.7	9.9
SSE	.5	.9	1.6	.9	.2	.3						4.4	9.3
S	1.4	1.1	2.7	3.5	.4	.2						9.4	9.8
SSW	1.5	1.5	3.3	3.1	1.5	.2						11.2	10.1
SW	1.1	2.7	4.8	6.1	1.2	1.2						16.5	11.4
WSW	.6	2.5	3.4	5.4	.5	.2	.1					12.8	10.4
W	.6	1.3	2.5	1.7	.1	.2						6.2	8.6
WNW	.6	.4	.8	.8								2.6	7.5
NW	.2	.8	1.8	1.0	.2							4.7	9.5
NNW	.5	.4	1.7	.4								2.4	7.5
VARB			.8	1.1	.5	.3						2.7	14.1
CALM												8.4	
	10.9	14.8	27.5	30.6	4.9	2.7	.1					100.7	9.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

035931 STATION LAKENHEATH RAF UK STATION NAME 73-82 YEARS DEC MONTHS  
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.8	.9	.4	.2	.1						2.8	8.3
NNE	.2	.6	.4	.3								1.5	7.3
NE	.2	.8	.6	.5								2.2	7.5
ENE	.2	.5	.9	.4								2.7	8.2
E	.1	.3	1.5	1.8	.3							3.8	11.3
ESE	.4	.3	1.7	1.7	.2							3.7	10.3
SE	.1	.6	1.2	1.5	.1	.1						3.7	10.6
SSE	.8	.6	1.6	.6	.3							4.2	8.4
S	.2	.3	1.6	2.7	.6	.4						5.9	12.5
SSW	.4	1.7	4.6	3.0	1.5	.1						10.6	11.2
SW	.8	1.6	3.8	6.7	1.3	.6						14.1	11.6
WSW	.9	1.9	3.5	5.7	1.0	1.1						14.1	11.6
W	1.4	1.0	3.1	4.5	.8	.3						12.0	9.9
WNW	.3	.6	1.1	1.3		.2						3.5	10.1
NW	.8	1.7	2.3	1.4	.2	.1						5.7	9.1
NNW	.2	.4	.9	.8	.1							2.4	9.4
VARBL			.4	1.0	.4	.3						2.2	15.1
CALM												5.9	
	7.5	13.4	29.2	33.4	7.1	3.4						100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 07531 STATION NAME: LAKENHEATH RAF UK YEAR: 73-82 DATE: DEC

CLASS: ALL WEATHER MONTH: 1500-1700

CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.4	.8	.3								2.2	6.3
NNE	.4	.4	.6	.2								1.7	6.6
NE	.1	.8	.8	.1								1.7	6.8
ENE	.1	.5	1.7	1.2	.1							2.9	10.1
E	.4	.2	1.6	1.3	.2							3.3	9.6
ESE	.3	1.1	1.7	1.7	.1							3.4	8.4
SE	.3	.9	1.7	1.5	.1							4.4	9.2
SSE	.4	1.4	1.7	.2	.2	.1						4.1	7.8
S	1.0	1.7	3.7	2.2	.8	.3						8.9	9.8
SSW	.6	2.6	3.3	4.3	.8	.2						11.8	10.1
SW	.9	2.7	4.4	3.1	.6	.2	.3					12.2	9.6
WSW	1.2	2.0	4.4	3.2	1.7	.3						12.2	9.9
W	.3	1.7	4.7	2.6	.8	.2						9.6	10.0
WNW	.8	1.1	.9	1.1								3.8	7.3
NW	.9	1.2	1.7	1.7	.2							4.9	7.9
NNW	.3	.8	.6	.6	.3							2.7	9.3
VARB			.5	.6	.5	.1						1.8	14.2
CALM												8.0	
	8.7	19.4	32.0	29.5	5.7	1.5	.2					170.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION LAKENHEATH RAF UK YEARS 77-82 MONTHS DEC  
 ALL WEATHER CLASS 1300-2000  
 CONDITION NOISE (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	.9	.2								2.4	6.0
NNE	.4	.4	.4	.2								1.5	6.4
NE	.1	1.1	.6	.7								1.9	6.7
ENE	.3	.3	.3	.8								1.7	9.5
E	.6	.6	2.3	1.0	.3							4.9	8.7
ESE	.2	.6	1.8	.9	.1							3.7	8.8
SE	.4	.8	1.2	1.2	.2							3.3	9.2
SSE	.9	1.7	2.5	2.0	.3							6.7	9.1
S	.6	2.7	1.9	2.7	.8	.1						8.2	9.7
SSW	1.0	3.7	3.7	4.7	1.2	.3						13.9	10.3
SW	.8	3.1	5.7	2.6	1.7	.3						12.9	9.3
WSW	.8	2.5	2.7	4.7	.1	.5						10.5	9.8
W	.3	1.6	2.5	1.7	.3	.1						7.2	8.7
WNW	.4	1.7	1.7	.5	.2							3.1	8.0
NW	.5	.8	1.5	1.4	.1							4.3	8.8
NNW	.8	.3	.6	.2	.1							2.0	6.6
VARBL			.1	.6	.3							1.1	14.6
CALM												10.5	
	9.2	19.8	29.1	24.8	5.1	1.4						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

139621 LAKENHEATH RAF UK 77-82 010  
 STATION STATION NAME YEAR DISC  
 ALL WEATHER 2100-2400  
 CLASS HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	.4	.1								2.3	5.4
NNE	.3	.6		.4								1.4	6.5
NE	.5	.7	.6	.2								2.1	5.6
ENE	.7	.4	.7	.4		.7						1.6	9.9
E	.5	.8	2.5	.5	.2	.1						3.7	8.5
ESE	.5	.9	2.2	1.5		.1	.7					5.5	9.8
SE	.7	.5	.9	1.4								3.7	9.6
SSE	.2	.4	2.4	1.8	.4							5.9	9.5
S	1.7	2.2	3.1	2.3	1.7	.3						9.8	9.8
SSW	.2	1.7	4.9	3.4	1.2	.5						12.7	10.9
SW	1.2	2.9	4.7	4.0	1.6	.1						14.5	9.9
WSW	.6	2.5	2.3	1.5	.9	.1						7.8	9.7
W	.4	1.8	3.7	1.5	1.1							7.8	9.7
WNW	.7	.5	1.6	1.3								3.8	9.2
NW	.5	.4	1.4	.8								3.1	7.8
NNW	.7	.4	1.7	.1								1.7	7.1
VARBL			.7	1.7	.2							1.5	13.7
CALM												12.5	
	8.5	17.8	32.6	22.3	6.6	1.5	.2					100.7	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 39331 STATION NAME: LAKENHEATH RAF UK YEARS: 71-82 MONTH: JUL  
 CLASS: ALL WEATHER HOURS (LST): ALL  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.6	.7	.1	.7						2.4	6.3
NNE	.4	.6	.5	.7								1.7	6.4
NE	.4	.6	.5	.3		.7						1.2	6.9
ENE	.7	.3	.5	.6	.7	.1	.7					1.3	9.7
E	.5	.8	1.5	1.7	.1	.7						3.3	9.5
ESE	.4	.6	1.4	1.2	.1	.7	.7					3.3	9.2
SE	.4	.7	1.3	1.2	.1	.1						3.2	9.4
SSE	.9	.8	1.8	1.2	.4	.1						5.1	9.1
S	.9	1.6	2.6	2.7	.7	.7						8.8	9.8
SSW	1.7	2.1	4.1	3.8	1.2	.3	.7					12.5	10.2
SW	1.7	2.4	4.1	4.4	1.1	.4	.7	.7				13.6	10.4
WSW	.7	2.1	3.3	3.9	.5	.3	.7					12.3	10.2
W	.9	1.5	2.6	2.3	.5	.1	.7					7.9	9.4
WNW	.4	.6	.9	1.0	.1	.7						3.1	8.9
NW	.4	.7	1.6	1.1	.2	.7						4.2	9.7
NNW	.3	.4	.8	.3	.1							2.7	7.8
VARBL		.7	.5	.8	.4	.1	.7	.7				1.9	14.2
CALM												11.0	
	9.6	16.7	28.6	26.4	5.7	1.8	.1	.7				17.2	8.5

TOTAL NUMBER OF OBSERVATIONS 749

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 77231 STATION NAME: LAKENHEATH PAF UK YEARS: 77-87 ALL MONTHS: ALL

CLASS: ALL WEATHERED ALL HOURS (L & T): ALL

CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	1.7	2.1	1.0	.1	.0	.0					6.3	7.2
NNE	.9	1.1	1.3	.7	.1	.0						4.7	7.9
NE	.7	.9	.9	.6	.1	.0						3.2	7.6
ENE	.4	.7	.8	.6	.1	.0	.0					2.6	8.0
E	.7	1.2	1.3	.8	.1	.0	.0					4.2	7.5
ESE	.7	1.3	1.0	.5	.0	.0	.0					3.6	6.7
SE	.0	1.6	1.1	.6	.1	.0	.0					4.2	6.6
SSE	1.2	1.6	1.5	.8	.1	.0	.0					5.1	6.9
S	1.2	1.9	2.5	2.0	.4	.1	.0					8.1	8.5
SSW	.9	1.6	2.9	2.7	.6	.1	.0	.0				8.7	9.6
SW	.9	1.9	3.0	2.8	.6	.2	.0	.7				9.4	9.6
WSW	.7	1.4	2.3	2.1	.4	.1	.0	.0				7.1	9.4
W	1.7	1.8	2.4	1.8	.3	.1	.0	.0	.0			7.4	8.6
WNW	.7	1.1	1.2	.7	.1	.0	.0					3.9	7.5
NW	.6	1.7	1.2	.6	.1	.0	.0					3.6	7.5
NNW	.7	.9	.9	.4	.0	.0	.0					3.0	6.8
VARBL	.7	.0	2.1	1.3	.3	.1	.0	.0				3.9	11.1
CALM												11.7	
	13.6	21.8	28.6	20.0	3.5	.8	.1	.0	.0			120.0	7.3

TOTAL NUMBER OF OBSERVATIONS 87233

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 7831 LAKENHEATH RAF UK YEARS: 77-83 ALL MONTHS  
 INSTRUMENT: \_\_\_\_\_ CLASS: \_\_\_\_\_ ALL HOURS (L & T)  
 CONDITION: CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.4	3.7	1.2	.1	.7	.7					2.6	6.9
NNE	1.2	1.5	1.9	1.1	.1	.1						5.8	7.5
NE	.9	1.4	1.5	.9	.1	.7						4.8	7.3
ENE	.6	.9	1.4	.8	.1	.7						3.8	7.8
E	1.7	2.1	2.7	1.4	.1	.7						6.6	7.5
ESE	.9	1.9	1.6	.7	.1	.7	.7					5.1	6.9
SE	1.1	1.5	1.4	.6	.1	.7	.7					4.7	6.9
SSE	1.4	1.6	1.4	.8	.1	.7	.7					5.3	6.6
S	1.3	1.9	1.6	1.5	.4	.7	.7					6.7	8.0
SSW	1.0	1.4	1.4	1.5	.7	.7	.7					5.5	8.0
SW	.9	1.4	1.3	.8	.1	.7	.7					4.5	7.1
WSW	.8	1.1	1.7	.3	.7	.7	.7					3.3	6.4
W	1.1	1.4	1.3	.2	.7	.7	.7					4.1	5.7
WNW	.9	1.1	1.2	.6	.1	.7	.7					3.8	6.9
NW	.6	1.1	1.3	1.0	.1	.7	.7					4.1	8.0
NNW	.9	1.2	1.2	.5	.7	.7	.7					3.9	6.6
VARBL	.7	.7	1.7	.7	.1	.7	.7					1.9	11.1
CALM												17.3	
	16.7	24.7	25.4	14.5	1.8	.3	.7					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 12873

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0	
NO CEILING																
1800																
1500					91.0										92.6	
1200																
1000																
900																
800																
700																
600																
500									97.4						98.1	
400																
300																
200																
100					95.4		96.0			98.3						
0															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 = 96.0%.  
 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  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

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

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP W/FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75931 LAKENHEATH RAF UK

74-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-7200

CEILING FEET	VISIBILITY STATUTE MILES																			
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GE00	GE09	GE18	GE27	GE36	GE45	GE54	GE63	GE72	GE81	GE90	GE100	GE110	GE120	GE130	GE140	GE150	GE160	GE170	GE180
NO CEILING	21.2	25.3	26.6	28.8	29.7	29.9	31.2	32.5	32.6	33.4	33.6	33.8	34.1	34.3	34.6	35.0				
≥ 20000	23.0	28.2	29.8	32.4	33.3	33.5	34.8	36.2	36.3	37.0	37.2	37.5	37.8	38.0	38.2	38.6				
≥ 18000	23.0	28.2	29.8	32.4	33.3	33.5	34.8	36.2	36.3	37.0	37.2	37.5	37.8	38.0	38.2	38.6				
≥ 16000	23.0	28.2	29.8	32.4	33.3	33.5	34.8	36.2	36.3	37.0	37.2	37.5	37.8	38.0	38.2	38.6				
≥ 14000	23.0	28.2	29.8	32.4	33.3	33.5	34.8	36.2	36.3	37.0	37.2	37.5	37.8	38.0	38.2	38.6				
≥ 12000	23.0	28.2	29.8	32.4	33.3	33.5	34.8	36.2	36.3	37.0	37.2	37.5	37.8	38.0	38.2	38.6				
≥ 10000	23.1	28.6	31.2	33.0	33.9	34.1	35.6	37.0	37.1	37.9	38.1	38.3	38.6	38.9	39.1	39.5				
≥ 9000	23.7	29.2	31.8	33.6	34.4	34.7	36.2	37.6	37.7	38.4	38.6	38.9	39.2	39.4	39.6	40.4				
≥ 8000	25.4	31.1	32.8	35.7	36.7	36.9	38.4	39.8	39.9	40.7	40.9	41.1	41.4	41.7	41.9	42.6				
≥ 7000	27.0	32.7	34.6	37.6	38.5	38.8	40.3	41.7	41.8	42.5	42.7	42.9	43.3	43.5	43.7	44.5				
≥ 6000	27.3	33.0	35.0	38.0	39.0	39.2	40.7	42.1	42.2	42.9	43.2	43.4	43.7	43.9	44.1	44.9				
≥ 5000	28.5	34.6	36.6	39.7	40.7	40.9	42.4	43.8	43.9	44.7	44.9	45.1	45.4	45.6	45.9	46.6				
≥ 4500	31.0	37.9	40.9	44.9	46.0	46.2	48.1	49.5	49.6	50.6	50.8	51.0	51.3	51.6	51.8	52.5				
≥ 4000	35.1	42.9	46.3	51.6	52.0	53.2	55.4	56.8	56.9	57.9	58.1	58.3	58.7	58.9	59.1	59.8				
≥ 3500	37.2	45.4	48.9	54.6	55.9	56.2	58.9	61.4	61.5	62.5	62.7	62.9	63.3	63.5	63.7	64.5				
≥ 3000	41.7	50.2	53.6	59.5	62.8	61.4	64.3	65.9	66.0	67.2	67.4	67.6	67.9	68.1	68.4	69.1				
≥ 2500	43.6	52.7	56.6	62.5	64.0	64.6	67.6	69.3	69.4	70.6	70.8	71.0	71.4	71.6	71.8	72.6				
≥ 2000	47.3	57.8	61.8	68.7	71.7	71.3	74.3	76.3	76.4	77.6	77.8	78.0	78.4	78.6	78.8	79.5				
≥ 1800	48.0	58.9	63.0	70.0	72.0	72.6	75.6	77.8	77.9	79.1	79.3	79.5	79.9	80.1	80.3	81.1				
≥ 1500	51.1	61.5	65.8	73.5	75.6	76.2	79.4	81.7	82.0	83.2	83.4	83.6	84.0	84.2	84.4	85.1				
≥ 1200	51.7	64.0	69.0	77.3	79.4	80.1	83.5	85.8	86.1	87.4	87.6	87.8	88.2	88.4	88.6	89.3				
≥ 1000	52.2	64.6	70.3	78.6	81.2	81.8	85.5	88.1	88.4	89.7	89.9	90.1	90.4	90.6	90.9	91.6				
≥ 900	52.2	64.8	70.6	78.9	81.5	82.1	85.8	88.4	88.7	90.0	90.2	90.4	90.7	91.0	91.2	91.9				
≥ 800	52.5	65.2	71.5	80.3	83.0	83.6	87.3	89.9	90.2	91.5	91.7	91.9	92.2	92.5	92.7	93.4				
≥ 700	52.7	65.6	72.0	81.2	83.9	84.5	88.4	91.0	91.3	92.6	92.8	93.0	93.3	93.5	93.8	94.5				
≥ 600	52.7	65.6	72.0	81.4	84.3	84.9	88.9	91.5	91.8	93.1	93.4	93.6	94.0	94.2	94.4	95.2				
≥ 500	53.0	65.8	72.2	81.9	84.8	85.5	89.6	92.2	92.6	93.9	94.2	94.4	94.7	94.9	95.2	96.0				
≥ 400	53.0	65.8	72.3	82.1	85.3	85.9	90.1	92.8	93.2	94.5	94.8	95.2	95.5	95.8	96.0	96.9				
≥ 300	53.0	65.8	72.3	82.2	85.5	86.1	90.4	93.2	93.6	94.9	95.3	95.6	95.9	96.2	96.6	97.6				
≥ 200	53.0	65.8	72.3	82.2	85.5	86.1	90.5	93.4	93.9	95.4	95.8	96.1	96.6	97.5	98.5	99.4				
≥ 100	53.0	65.8	72.3	82.2	85.5	86.1	90.5	93.4	93.9	95.4	95.9	96.2	96.7	97.6	98.6	99.7				
0	53.0	65.8	72.3	82.2	85.5	86.1	90.5	93.4	93.9	95.4	95.9	96.2	96.7	97.6	98.6	100.0				

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

07831 LAKENHEATH RAF UK  
STATION STATION NAME

74-87  
YEAR

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

330-2570  
COURT

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2
NO CEILING	27.0	26.2	27.3	29.5	30.4	30.5	31.1	31.5	32.2	32.8	32.9	32.9	32.9	33.2	33.3	34.1
≥ 20000	25.1	28.6	30.7	32.7	33.6	33.7	34.3	34.9	35.5	36.2	36.3	36.3	36.3	36.5	36.6	37.5
≥ 18000	25.3	28.8	30.2	32.9	33.8	33.9	34.6	35.1	35.7	36.4	36.5	36.5	36.5	36.7	36.9	37.7
≥ 16000	25.3	28.8	30.2	32.9	33.8	33.9	34.6	35.1	35.7	36.4	36.5	36.5	36.5	36.7	36.8	37.7
≥ 14000	25.3	28.8	30.2	32.9	33.8	33.9	34.6	35.1	35.7	36.4	36.5	36.5	36.5	36.7	36.8	37.7
≥ 12000	25.3	29.7	30.4	33.0	33.9	34.0	34.7	35.2	35.8	36.5	36.6	36.6	36.6	36.9	36.9	37.8
≥ 10000	25.8	30.0	31.6	34.8	35.7	35.8	36.5	37.0	37.7	38.3	38.4	38.4	38.4	38.6	38.8	39.6
≥ 9000	26.3	30.5	32.1	35.2	36.2	36.3	36.9	37.5	38.1	38.8	38.9	38.9	38.9	39.1	39.2	40.0
≥ 8000	28.7	32.5	34.3	38.1	39.2	39.4	40.2	40.7	41.3	42.0	42.1	42.1	42.1	42.3	42.4	43.3
≥ 7000	28.4	32.9	34.8	38.5	39.6	39.8	40.6	41.1	41.8	42.4	42.5	42.5	42.5	42.7	42.8	43.7
≥ 6000	29.5	33.0	35.0	38.8	39.8	40.0	40.8	41.3	42.0	42.6	42.7	42.7	42.7	42.9	43.1	43.9
≥ 5000	29.7	35.0	36.9	40.7	41.8	42.0	42.7	43.3	43.9	44.6	44.7	44.7	44.7	44.9	45.0	45.9
≥ 4500	32.2	38.9	41.3	45.7	46.8	47.0	48.0	48.5	49.2	49.8	49.9	49.9	49.9	50.3	50.4	51.2
≥ 4000	36.4	43.4	46.2	52.1	53.3	53.7	55.0	55.9	56.5	57.3	57.4	57.4	57.4	57.7	57.8	58.7
≥ 3500	38.1	45.7	48.5	54.5	55.8	56.2	57.7	58.7	59.4	60.2	60.3	60.3	60.3	60.6	60.7	61.6
≥ 3000	42.7	50.7	53.6	59.5	60.8	61.2	62.9	63.9	64.7	65.6	65.7	65.7	65.7	66.0	66.1	67.0
≥ 2500	43.9	52.1	55.2	61.4	62.8	63.2	64.8	65.9	66.6	67.7	67.8	67.8	67.8	68.1	68.2	69.1
≥ 2000	48.5	56.2	62.0	69.1	71.4	71.8	73.6	74.7	75.5	76.7	76.9	77.0	77.0	77.3	77.4	78.3
≥ 1800	49.2	59.1	62.9	70.2	72.4	72.9	74.7	75.8	76.5	77.8	77.9	78.0	78.1	78.5	78.6	79.4
≥ 1500	51.8	62.6	66.4	74.3	76.5	77.0	78.8	80.0	80.8	82.1	82.2	82.3	82.5	82.8	82.9	83.7
≥ 1200	53.9	65.8	71.4	78.5	80.7	81.3	83.4	84.6	85.5	87.1	87.2	87.3	87.4	87.8	87.9	88.8
≥ 1000	54.5	66.3	71.3	79.7	81.9	82.5	84.7	85.9	86.8	88.4	88.5	88.6	88.7	89.1	89.2	90.1
≥ 900	54.6	66.4	71.4	79.9	82.1	82.7	85.0	86.3	87.2	88.8	88.9	89.0	89.1	89.6	89.7	90.5
≥ 800	54.6	66.4	71.4	79.9	82.6	83.1	85.5	87.0	87.8	89.5	89.6	89.7	89.8	90.2	90.3	91.2
≥ 700	54.8	66.8	72.3	80.8	83.5	84.1	86.4	87.9	88.8	90.4	90.5	90.6	90.7	91.2	91.3	92.1
≥ 600	55.1	67.3	73.1	81.6	84.5	85.1	87.6	89.1	90.0	91.6	91.7	91.8	91.9	92.4	92.5	93.3
≥ 500	55.2	67.4	73.2	82.3	85.4	86.0	88.5	90.1	91.0	92.7	92.8	92.9	93.0	93.4	93.5	94.7
≥ 400	55.2	67.4	73.4	82.8	86.2	86.9	89.5	91.5	92.5	94.2	94.3	94.4	94.6	95.0	95.2	96.3
≥ 300	55.2	67.4	73.4	82.8	86.2	86.9	89.9	92.2	93.2	94.9	95.0	95.2	95.4	95.9	96.0	97.2
≥ 200	55.2	67.4	73.4	82.8	86.2	86.9	89.9	92.2	93.2	94.9	95.2	95.3	95.6	96.9	97.5	98.8
≥ 100	55.2	67.4	73.4	82.8	86.2	86.9	89.9	92.2	93.2	94.9	95.2	95.3	95.6	97.0	97.6	99.6
≥ 0	55.2	67.4	73.4	82.8	86.2	86.9	89.9	92.4	93.3	95.0	95.3	95.4	95.7	97.1	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AFB WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

OTR 331  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

74-87  
 YEAR

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

6600-8800  
 COUNTY

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE07	≥6 GE09	≥5 GE08	≥4 GE06	≥3 GE048	≥2 GE04	≥2 GE37	≥1 GE24	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE08	≥1 GE05	≥1 GE04	≥1 GE0
NO CEILING ≥ 20000	18.9	22.0	24.4	26.5	27.2	27.5	28.2	28.8	28.8	29.4	29.7	29.7	29.7	29.7	29.7	30.1
≥ 18000 ≥ 6000	27.6	24.5	27.3	29.7	37.4	30.7	31.5	32.0	32.0	32.7	33.0	33.0	33.0	33.1	33.1	33.4
≥ 14000 ≥ 12000	20.6	24.5	27.3	29.7	37.4	30.7	31.5	32.0	32.0	32.7	33.0	33.0	33.0	33.1	33.1	33.4
≥ 10000 ≥ 9000	21.3	26.1	28.9	31.7	32.4	32.8	33.5	34.1	34.1	34.7	35.0	35.0	35.0	35.1	35.1	35.5
≥ 8000 ≥ 7000	21.9	26.8	29.6	32.5	33.3	33.6	34.5	35.0	35.0	35.7	36.0	36.0	36.7	36.1	36.1	36.4
≥ 6000 ≥ 5000	24.2	29.6	32.8	35.9	36.7	37.2	38.0	38.6	38.6	39.2	39.5	39.5	39.5	39.7	39.7	40.0
≥ 4500 ≥ 4000	24.7	30.2	33.3	36.4	37.3	37.7	38.6	39.1	39.1	39.8	40.1	40.1	40.1	40.2	40.2	40.5
≥ 3500 ≥ 3000	24.7	30.3	33.5	36.6	37.5	37.9	38.8	39.3	39.3	40.0	40.3	40.3	40.3	40.4	40.4	40.7
≥ 2500 ≥ 2000	25.9	32.2	35.5	38.6	39.4	40.0	40.8	41.4	41.4	42.0	42.3	42.3	42.3	42.5	42.5	42.8
≥ 1800 ≥ 1500	29.0	36.2	39.7	43.4	44.4	45.0	46.4	47.0	47.0	47.7	48.1	48.2	48.2	48.3	48.3	48.6
≥ 1200 ≥ 1000	32.3	40.1	44.0	48.5	49.6	50.2	51.9	52.8	52.8	53.7	54.0	54.1	54.1	54.2	54.2	54.5
≥ 900 ≥ 800	35.0	43.1	47.0	51.5	52.6	53.2	55.0	56.3	56.5	57.3	57.7	57.8	57.8	57.9	57.9	58.2
≥ 700 ≥ 600	47.2	48.4	52.8	57.4	58.5	59.2	61.1	62.4	62.6	63.6	63.9	64.0	64.0	64.1	64.1	64.4
≥ 500 ≥ 400	42.3	51.3	56.0	61.4	62.7	63.4	65.3	66.7	66.9	67.9	68.2	68.3	68.3	68.4	68.4	68.8
≥ 300 ≥ 200	47.0	57.3	62.4	68.1	69.6	70.3	72.4	74.1	74.5	75.5	75.9	76.1	76.1	76.3	76.3	76.6
≥ 100 ≥ 0	47.7	58.2	63.3	69.3	71.9	71.6	73.7	75.4	75.8	76.9	77.3	77.5	77.5	77.7	77.7	78.0
	50.3	61.6	66.9	73.5	75.2	75.9	78.0	80.0	80.3	81.5	81.8	82.0	82.0	82.2	82.2	82.5
	51.3	63.3	69.3	76.2	78.0	78.7	80.8	83.0	83.3	84.5	84.8	85.0	85.0	85.2	85.2	85.6
	51.7	63.8	70.3	77.4	79.3	80.0	82.4	84.7	85.0	86.2	86.5	86.7	86.7	87.0	87.1	87.4
	51.8	63.9	71.8	78.0	80.1	80.8	83.3	85.6	85.9	87.1	87.4	87.6	87.6	87.8	87.9	88.3
	52.3	64.3	71.3	79.0	81.5	82.2	85.0	87.3	87.7	88.9	89.2	89.4	89.4	89.7	89.8	90.1
	52.3	64.7	71.7	79.4	82.1	82.9	86.0	88.3	88.8	90.0	90.3	90.5	90.5	90.7	90.8	91.2
	52.3	65.2	72.3	80.6	83.3	84.3	87.4	89.7	90.2	91.5	91.8	92.0	92.0	92.2	92.3	92.7
	52.4	65.3	72.5	81.0	83.9	85.0	88.4	90.6	91.2	92.5	92.8	93.0	93.0	93.2	93.3	93.9
	52.4	65.3	72.5	81.1	84.1	85.1	88.5	90.9	91.7	93.0	93.3	93.5	93.5	93.8	93.9	94.4
	52.4	65.3	72.6	81.3	84.4	85.5	89.1	92.0	92.8	94.6	94.9	95.2	95.2	95.4	95.6	96.1
	52.4	65.3	72.6	81.3	84.4	85.5	89.1	92.1	92.9	95.0	95.5	95.7	95.7	97.0	97.6	98.4
	52.4	65.3	72.6	81.3	84.4	85.5	89.1	92.1	92.9	95.2	95.8	96.1	96.1	97.5	98.3	99.7
	52.4	65.3	72.6	81.3	84.4	85.5	89.1	92.1	92.9	95.2	95.8	96.1	96.1	97.5	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

33831  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-83  
YEAR

JAS  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-1100  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10 GT9	≥6 EQ9	≥5 GE8	≥4 GE6	≥3 GE4	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3	≥2 GE3
≥20000	15.3	18.2	22.0	22.2	23.7	23.9	24.4	24.9	24.9	25.0	25.2	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5
≥18000	19.2	22.8	25.7	27.8	29.4	29.7	31.2	31.0	31.7	31.1	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥16000	18.6	23.1	25.4	28.2	29.8	30.0	30.5	31.3	31.3	31.4	31.7	31.8	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥14000	18.6	23.1	25.4	28.2	29.8	30.0	30.5	31.3	31.3	31.4	31.7	31.8	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥12000	19.9	23.4	25.7	28.5	30.1	30.3	30.9	31.6	31.6	31.7	32.0	32.1	32.1	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥10000	20.7	25.6	28.4	31.3	32.9	33.1	33.7	34.4	34.4	34.5	34.8	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥9000	21.9	27.2	30.7	33.0	34.6	34.8	35.4	36.2	36.2	36.4	36.7	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥8000	23.3	30.1	33.2	36.6	39.2	38.4	38.9	39.8	39.8	40.0	40.3	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥7000	24.2	31.2	34.3	37.8	39.4	39.7	40.2	41.1	41.1	41.3	41.6	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥6000	24.6	31.8	35.7	38.4	40.0	40.3	40.7	41.7	41.7	42.0	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥5000	24.9	32.8	35.9	39.4	41.0	41.3	42.7	42.8	42.8	43.7	43.4	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥4500	26.6	35.2	38.8	43.6	45.7	46.1	46.8	47.7	47.7	48.7	48.7	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥4000	37.9	40.1	44.2	49.6	52.3	52.6	53.9	55.0	55.1	55.4	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥3500	34.4	43.9	48.3	53.8	56.5	56.9	59.7	59.4	59.7	60.1	60.5	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥3000	37.3	47.5	52.2	57.9	61.4	61.8	63.7	64.8	65.3	65.9	66.3	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥2500	39.4	49.9	54.9	61.1	64.9	65.4	66.6	68.4	68.8	69.5	69.9	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥2000	42.5	53.8	59.3	66.3	70.3	70.8	72.2	74.1	74.8	75.5	75.9	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥1800	43.6	55.0	60.6	67.9	72.1	72.5	73.9	75.9	76.6	77.3	77.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥1500	44.9	56.5	62.2	70.0	74.3	74.9	76.4	78.7	79.6	80.4	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥1200	46.4	58.6	64.6	72.7	77.2	77.8	79.6	82.2	83.2	83.9	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥1000	46.8	59.3	65.7	73.9	78.5	79.1	81.1	83.9	84.9	85.9	86.5	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥900	46.9	59.4	65.8	74.2	79.1	79.7	82.7	84.8	85.8	86.7	87.4	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥800	47.1	59.8	66.2	74.9	79.7	80.4	83.3	85.9	86.8	87.8	88.5	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥700	47.5	60.3	66.9	75.9	80.8	81.4	84.3	87.3	88.5	89.5	90.2	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥600	47.6	60.5	67.2	76.6	81.7	82.4	85.3	88.6	89.9	90.9	91.6	91.9	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥500	47.7	60.6	67.3	77.0	82.6	83.4	86.5	89.9	91.2	92.3	93.1	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥400	47.7	60.6	67.3	77.1	82.8	83.6	86.8	90.5	92.3	93.6	94.4	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥300	47.7	60.6	67.3	77.1	83.0	83.7	87.7	90.8	92.9	94.5	95.5	95.5	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥200	47.7	60.6	67.3	77.1	83.0	83.7	87.7	90.8	92.9	94.7	96.1	96.7	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥100	47.7	60.6	67.3	77.1	83.0	83.7	87.7	90.8	92.9	94.7	96.1	96.7	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥0	47.7	60.6	67.3	77.1	83.0	83.7	87.7	90.8	92.9	94.7	96.1	96.7	97.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 749073 LAKENHEATH RAF UK STATION NAME

74-83

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1977-1978

CEILING FEET	VISIBILITY - STATUTE MILES																				OP (HUNDREDS OF METERS)																			
	GE20	GE16	GE12	GE8	GE4	GE0	GE20	GE16	GE12	GE8	GE4	GE0	GE20	GE16	GE12	GE8	GE4	GE0	GE20	GE16	GE12	GE8	GE4	GE0																
10000	16.8	20.5	21.0	23.9	24.3	24.3	24.5	24.8	24.8	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1																
8000	27.6	25.0	26.4	29.2	29.6	29.6	29.8	30.0	30.0	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4																
6000	27.9	25.4	26.8	29.6	30.0	30.0	30.2	30.5	30.5	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8																
4000	31.0	25.5	26.9	29.7	30.1	30.1	30.4	30.6	30.6	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9																
2000	21.2	25.7	27.1	29.9	30.4	30.4	30.6	30.8	30.8	31.0	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	31.1																
1000	23.5	28.2	29.6	32.4	32.8	32.8	33.2	33.4	33.4	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7																
800	24.0	29.4	30.9	33.8	34.2	34.2	34.6	34.8	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1																
600	25.9	32.0	33.9	37.1	37.6	37.6	38.0	38.2	38.2	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6																
400	26.3	32.6	34.6	38.0	39.4	39.4	39.9	39.1	39.1	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5																
200	26.4	32.8	34.8	38.2	39.6	39.6	39.1	39.3	39.3	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7																
100	28.7	35.1	37.2	40.7	41.1	41.1	41.6	41.8	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	42.2	42.2	42.2																
80	32.2	39.9	42.7	46.5	47.3	47.3	47.9	48.2	48.2	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7																
60	36.3	45.1	48.3	53.0	54.4	54.4	55.1	55.4	55.4	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9																
40	41.3	49.3	52.6	57.4	58.8	58.8	59.1	59.8	60.2	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6																
20	43.4	53.1	56.7	62.5	64.0	64.0	65.4	66.0	66.0	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4																
10	45.4	55.8	59.6	65.6	67.1	67.1	68.5	69.0	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4																
8	49.2	61.4	66.3	73.0	74.7	74.7	76.5	77.2	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6																
6	49.7	61.9	66.8	73.6	75.3	75.3	77.3	78.1	78.1	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7																
4	50.7	63.2	68.5	75.9	77.7	77.7	79.9	80.8	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6																
2	52.1	65.0	70.5	78.7	80.7	80.7	81.3	83.1	84.3	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0																
1	52.6	66.5	71.7	81.1	82.7	82.7	83.4	85.4	86.9	87.2	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9																
800	52.6	66.1	71.8	80.3	83.1	83.1	83.9	85.8	87.4	87.7	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6																
600	52.9	66.8	72.6	81.3	84.3	84.3	85.0	87.3	89.0	89.5	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4																
400	53.1	67.3	73.0	82.0	85.4	85.4	86.1	88.7	90.6	91.2	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1																
200	53.1	67.4	73.1	82.8	86.1	86.1	86.9	89.5	91.9	92.7	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6																
100	53.1	67.4	73.1	83.1	86.5	86.5	87.3	90.2	93.3	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3																
80	53.2	67.5	73.2	83.2	86.7	86.7	87.4	90.2	93.4	94.7	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4																
60	53.2	67.5	73.2	83.2	86.7	86.7	87.4	90.2	93.4	94.9	96.4	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5																
40	53.2	67.5	73.2	83.2	86.7	86.7	87.4	90.2	93.4	94.9	96.4	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5																
20	53.2	67.5	73.2	83.2	86.7	86.7	87.4	90.2	93.4	94.9	96.4	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5																
10	53.2	67.5	73.2	83.2	86.7	86.7	87.4	90.2	93.4	94.9	96.4	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5																

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION LAKENHEATH RAF UK

74-87

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15 0-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	20	20	20	24	24	24	24	24	24	24	24	24	24	24	24	24
CEILING (HUNDREDS OF METERS)	609	609	609	609	609	609	609	609	609	609	609	609	609	609	609	609
2 2000	15.6	19.1	21.2	23.2	27.5	33.7	24.7	24.5	24.5	24.7	24.9	24.8	24.8	24.9	24.9	24.9
2 1800	19.4	24.1	26.7	29.5	29.9	37.7	37.9	31.0	31.1	31.3	31.5	31.5	31.5	31.5	31.5	31.5
2 1600	19.4	24.1	26.7	29.5	29.9	37.7	37.9	31.0	31.1	31.3	31.5	31.5	31.5	31.5	31.5	31.5
2 1400	19.4	24.1	26.7	29.5	29.9	37.7	37.9	31.0	31.1	31.3	31.5	31.5	31.5	31.5	31.5	31.5
2 1200	19.7	24.5	27.1	29.9	37.7	37.9	31.2	31.4	31.5	31.7	31.9	31.9	31.9	31.9	31.9	31.9
2 1000	21.5	26.5	29.0	31.9	32.4	32.5	33.7	33.4	33.5	33.8	34.0	34.0	34.0	34.0	34.0	34.0
2 900	22.7	27.4	37.7	33.5	34.7	34.1	34.9	35.2	35.3	35.5	35.7	35.7	35.7	35.7	35.7	35.7
2 800	24.4	30.6	33.7	37.5	38.2	35.3	39.1	39.4	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9
2 700	24.6	31.1	34.7	36.1	38.7	38.8	39.7	39.9	40.0	40.2	40.4	40.4	40.4	40.4	40.4	40.4
2 600	24.9	31.6	34.7	38.7	39.4	39.5	40.7	40.5	40.6	40.9	41.1	41.1	41.1	41.1	41.1	41.1
2 500	26.1	33.7	36.9	47.9	41.5	41.7	42.6	42.8	42.9	43.1	43.3	43.3	43.3	43.3	43.3	43.3
2 400	29.9	37.7	41.3	45.8	46.5	46.8	47.6	48.1	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7
2 300	32.6	42.2	45.9	51.4	52.4	52.8	53.4	54.3	54.5	54.8	55.1	55.1	55.1	55.1	55.1	55.1
2 200	34.5	44.5	48.6	54.5	55.6	56.1	57.2	57.8	58.1	58.4	58.6	58.6	58.6	58.6	58.6	58.6
2 100	40.9	52.2	55.3	62.4	63.4	64.1	65.3	66.1	66.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9
2 1000	43.8	55.8	67.4	67.1	68.2	68.8	77.7	70.0	71.1	71.4	71.6	71.6	71.6	71.6	71.6	71.6
2 2000	47.4	67.6	65.6	73.5	75.1	75.7	77.6	78.7	79.1	79.6	79.9	79.8	79.8	79.8	79.8	79.8
2 300	47.8	61.3	66.7	74.8	76.3	77.1	79.1	87.2	87.6	81.1	81.3	81.3	81.3	81.3	81.3	81.3
2 400	48.4	62.4	67.7	77.7	79.6	80.3	82.4	83.4	83.9	84.4	84.6	84.6	84.6	84.6	84.6	84.6
2 500	48.8	63.4	68.9	81.1	82.0	82.8	85.3	86.3	86.9	87.5	87.7	87.7	87.7	87.7	87.7	87.7
2 600	49.1	64.0	69.6	81.2	83.2	84.7	86.7	87.7	88.4	89.4	89.6	89.7	89.7	89.7	89.7	89.7
2 700	49.1	64.1	69.9	81.5	83.7	84.4	87.2	88.3	89.0	90.0	90.2	90.2	90.3	90.3	90.3	90.3
2 800	49.1	64.1	71.7	82.0	84.2	84.9	87.8	89.1	89.9	91.1	91.3	91.4	91.5	91.5	91.5	91.5
2 900	49.1	64.3	70.4	83.0	85.5	86.3	89.2	97.9	91.6	92.9	93.1	93.2	93.3	93.4	93.4	93.4
2 1000	49.4	64.5	70.6	83.8	86.8	87.6	90.5	92.8	93.5	94.8	95.1	95.2	95.4	95.7	95.7	95.7
2 1100	49.4	64.5	72.6	84.0	87.2	88.1	91.0	93.3	94.1	95.9	96.3	96.6	96.8	97.1	97.1	97.1
2 1200	49.4	64.6	70.8	84.1	87.3	88.2	91.2	93.8	94.5	96.5	96.9	97.2	97.4	97.7	97.7	97.7
2 1300	49.4	64.6	70.8	84.1	87.3	88.2	91.2	93.8	94.5	96.6	97.2	97.6	97.8	98.4	98.4	98.7
2 1400	49.4	64.6	70.8	84.1	87.3	88.2	91.2	93.8	94.5	96.6	97.2	97.6	97.8	98.5	98.6	99.4
2 1500	49.4	64.6	70.8	84.1	87.3	88.2	91.2	93.8	94.5	96.6	97.2	97.6	97.8	98.5	98.6	99.5
2 1600	49.4	64.6	70.8	84.1	87.3	88.2	91.2	93.8	94.5	96.6	97.2	97.6	97.8	98.5	98.6	99.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74-831 LAKENHEATH RAF UK

74-87

JAN

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	GE10	GE09	GE08	GE06	GE04	GE04	GE03	GE04	GE02	GE	GE17	GE10	GE04	GE06	GE04	GE0
2 2000	17.7	23.0	24.0	26.7	29.1	28.2	29.9	29.7	29.9	30.2	30.2	30.3	30.3	30.7	30.7	30.7
2 1800	22.3	26.3	27.7	30.8	32.3	32.4	33.4	34.2	34.4	34.8	34.8	34.9	34.9	34.9	34.9	35.2
2 1600	27.3	26.3	27.7	31.8	32.3	32.4	33.4	34.2	34.4	34.8	34.8	34.9	34.9	34.9	34.9	35.2
2 1400	27.4	26.5	27.8	30.9	32.4	32.5	33.5	34.3	34.5	34.9	34.9	35.1	35.1	35.1	35.1	35.3
2 1200	21.6	28.3	29.8	33.3	34.8	34.9	35.7	37.7	37.2	37.6	37.6	37.7	37.7	37.7	37.9	38.1
2 1000	23.7	30.9	32.4	35.9	37.4	37.5	38.8	39.9	40.1	40.5	40.5	40.6	40.6	40.6	40.8	41.0
2 800	24.1	31.6	33.1	36.9	38.4	38.5	39.8	40.9	41.1	41.5	41.5	41.6	41.6	41.6	41.7	41.9
2 600	24.2	31.7	33.2	37.0	38.5	38.6	39.9	41.0	41.2	41.6	41.6	41.7	41.7	41.7	41.9	42.2
2 500	25.5	33.8	35.4	39.5	41.0	41.1	42.4	43.4	43.7	44.1	44.1	44.2	44.2	44.2	44.3	44.5
2 450	29.6	39.0	40.5	45.7	47.4	47.5	48.8	49.9	50.5	51.0	51.0	51.1	51.1	51.1	51.2	51.4
2 400	33.2	42.9	44.7	50.5	52.5	52.7	54.1	55.4	56.1	56.6	56.6	56.7	56.7	56.7	56.8	57.3
2 350	35.6	46.1	48.1	54.2	56.5	56.7	58.1	59.4	60.1	60.5	60.5	60.6	60.6	60.6	60.8	61.4
2 300	40.8	51.9	54.1	61.1	63.4	63.7	65.3	66.7	67.4	67.8	68.1	68.2	68.2	68.2	68.3	68.5
2 250	43.3	55.8	58.8	66.3	68.7	68.9	70.5	71.9	72.7	73.1	73.3	73.4	73.4	73.4	73.5	73.8
2 200	47.4	60.5	63.8	72.3	75.4	75.6	77.8	79.0	79.8	80.2	80.4	80.5	80.5	80.5	80.6	80.9
2 1800	48.7	61.2	64.8	73.4	76.6	76.8	78.7	80.3	81.1	81.5	81.7	81.8	81.8	81.8	81.9	82.2
2 1600	48.7	63.5	67.7	77.0	80.2	80.5	82.5	84.2	84.9	85.4	85.6	85.7	85.7	85.7	85.8	86.0
2 1400	49.1	64.6	69.1	79.1	82.5	82.9	85.4	87.2	88.0	88.4	88.6	88.7	88.7	88.7	88.8	89.0
2 1200	49.2	64.8	69.4	80.2	83.7	84.1	86.6	88.4	89.1	89.6	89.8	89.9	89.9	89.9	90.0	90.2
2 1000	49.5	65.2	70.0	81.1	84.5	84.9	87.4	89.2	90.0	90.4	90.6	90.8	90.8	90.8	90.9	91.1
2 800	50.3	66.0	70.9	82.5	86.0	86.5	88.9	90.8	91.6	92.2	92.4	92.5	92.5	92.5	92.6	92.8
2 700	50.4	66.1	71.0	83.1	86.7	87.1	89.8	91.6	92.7	93.2	93.4	93.5	93.5	93.7	93.8	94.0
2 600	50.5	66.2	71.1	83.5	87.6	88.1	90.9	93.0	94.2	94.7	95.1	95.3	95.3	95.4	95.5	95.7
2 500	50.5	66.2	71.3	83.9	88.2	88.6	91.8	94.2	95.5	96.1	96.5	96.8	96.8	96.9	97.0	97.2
2 400	50.5	66.2	71.3	83.9	88.2	88.6	91.9	94.5	95.9	96.7	97.1	97.5	97.5	97.6	97.7	98.0
2 300	50.5	66.2	71.3	83.9	88.2	88.6	91.9	94.7	96.1	97.1	97.5	98.0	98.0	98.1	98.2	98.7
2 200	50.5	66.2	71.3	83.9	88.2	88.6	91.9	94.7	96.1	97.2	97.6	98.1	98.1	98.4	98.5	99.0
2 100	50.5	66.2	71.3	83.9	88.2	88.6	91.9	94.7	96.2	97.3	97.7	98.3	98.3	98.6	98.8	99.5
2	50.5	66.2	71.3	83.9	88.2	88.6	91.9	94.7	96.2	97.3	97.7	98.3	98.3	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/AMC

# CEILING VERSUS VISIBILITY

STATION LAKENHEATH RAF MK

74-87

JA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

10-2100

VISIBILITY (STATUTE MILES)	CEILING (HUNDREDS OF METERS)															
	200	260	320	380	440	500	560	620	680	740	800	860	920	980	1040	1100
1-000	27.8	26.9	27.0	29.5	32.4	30.9	32.6	33.8	34.2	36.1	37.1	37.3	37.7	37.7	39.1	39.3
2-000	22.6	26.8	30.8	32.9	34.1	34.5	36.5	37.4	37.6	38.1	38.1	38.4	38.6	38.7	39.9	39.1
3-000	22.7	29.9	31.2	33.0	34.2	34.6	36.6	37.5	37.7	38.2	38.2	38.5	38.7	38.9	39.7	39.7
4-000	22.7	29.9	30.9	33.1	34.2	34.6	36.6	37.5	37.7	38.2	38.2	38.5	38.7	38.9	39.7	39.7
5-000	22.7	30.4	31.6	33.7	34.8	35.3	37.2	38.1	38.5	38.9	38.9	39.2	39.5	39.6	39.8	40.0
6-000	23.2	31.0	32.0	34.2	35.4	35.8	37.7	38.8	39.0	39.5	39.5	39.8	40.0	40.1	40.7	40.9
7-000	25.9	34.5	35.9	38.0	39.4	39.8	41.7	42.8	43.0	43.4	43.4	43.8	44.0	44.1	44.3	44.8
8-000	26.8	35.7	37.0	39.4	40.9	41.3	43.2	44.3	44.5	44.9	44.9	45.3	45.5	45.6	45.8	46.3
9-000	26.9	35.9	37.2	39.6	41.1	41.5	43.4	44.5	44.7	45.2	45.2	45.5	45.7	45.8	46.0	46.6
10-000	27.6	36.9	38.3	41.0	42.5	42.9	44.8	46.0	46.2	46.7	46.7	47.0	47.2	47.3	47.5	48.1
11-000	30.9	41.0	42.5	46.0	47.7	48.2	50.2	51.4	51.8	52.3	52.7	52.6	52.8	52.9	53.2	53.8
12-000	34.1	44.6	46.2	50.5	52.6	53.1	55.7	56.6	57.0	57.4	57.4	57.7	58.0	58.1	58.4	58.9
13-000	37.2	48.2	49.8	54.6	56.7	57.2	59.4	60.6	61.2	61.6	61.6	61.9	62.3	62.4	62.7	63.0
14-000	42.8	54.3	55.9	61.1	63.3	64.0	66.3	67.6	68.2	68.7	68.7	69.1	69.5	69.6	69.9	70.4
15-000	44.5	57.2	59.2	65.4	67.7	68.4	70.8	72.0	72.6	73.1	73.1	73.5	74.0	74.2	74.5	75.1
16-000	45.7	60.0	62.3	69.6	72.0	72.8	75.2	76.5	77.0	77.5	77.5	78.0	78.4	78.6	78.9	79.5
17-000	47.5	61.1	63.9	71.1	73.7	74.4	76.9	78.1	78.6	79.1	79.1	79.6	80.0	80.2	80.5	81.1
18-000	49.5	63.8	67.1	75.5	78.2	78.9	81.4	82.8	83.3	84.0	84.0	84.4	84.9	85.1	85.4	85.9
19-000	52.5	65.3	69.4	78.6	81.6	82.4	85.2	86.9	87.4	88.1	88.1	88.5	88.9	89.1	89.5	90.0
20-000	52.6	65.5	69.7	79.5	82.6	83.3	86.3	88.3	88.8	89.5	89.5	89.9	90.3	90.5	90.9	91.4
21-000	51.3	66.6	70.9	80.8	83.9	84.6	87.6	89.6	90.1	90.8	90.8	91.2	91.6	91.8	92.2	92.7
22-000	51.4	66.7	71.2	81.6	84.7	85.5	88.5	90.4	91.0	91.6	91.6	92.0	92.5	92.7	93.0	93.5
23-000	51.5	66.8	71.4	82.2	85.5	86.3	89.5	91.5	92.0	92.7	92.7	93.1	93.5	93.8	94.1	94.6
24-000	51.5	66.8	71.4	82.3	85.8	86.7	90.0	92.0	92.7	93.3	93.3	93.8	94.2	94.4	94.7	95.3
25-000	51.5	66.8	71.5	82.4	86.0	86.9	90.3	92.3	93.0	93.7	93.7	94.3	94.7	94.9	95.3	95.8
26-000	51.5	66.8	71.6	82.5	86.1	87.0	90.6	93.2	94.2	94.9	95.1	95.5	95.9	96.1	96.5	97.0
27-000	51.5	66.8	71.6	82.5	86.1	87.0	90.8	93.4	94.6	95.6	95.8	96.3	96.8	97.2	97.5	98.2
28-000	51.5	66.8	71.6	82.5	86.1	87.0	90.8	93.4	94.6	95.6	95.8	96.3	96.8	97.4	98.1	98.5
29-000	51.5	66.8	71.6	82.5	86.1	87.0	90.8	93.4	94.6	95.6	95.8	96.3	96.8	97.4	98.4	98.8
30-000	51.5	66.8	71.6	82.5	86.1	87.0	90.8	93.4	94.6	95.6	95.8	96.3	96.8	97.4	98.4	98.8

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

REPORT: LAKTNEATH RAF UK  
STATION NAME

74-87

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

DATE: 1954  
ALL

VISIBILITY (STATUTE MILES)	CEILING (HUNDREDS OF METERS)															
	ST90	FC90	GE85	GE40	GE40	GE40	GE30	GE24	GE20	GE16	GE12	GE10	GE8	GE5	GE4	GE3
1	19.5	22.7	24.1	26.3	27.2	27.7	28.2	28.8	29.9	29.3	29.5	29.6	29.6	29.7	29.8	29.7
2	21.1	26.3	27.8	31.5	31.4	31.6	32.5	33.2	33.7	33.7	33.9	34.0	34.1	34.2	34.2	34.3
3	21.3	26.3	28.1	32.7	31.7	31.9	32.8	33.4	33.6	34.1	34.2	34.3	34.4	34.5	34.5	34.5
4	21.4	26.7	29.1	30.8	31.7	31.9	32.9	33.5	33.7	34.1	34.2	34.2	34.4	34.5	34.6	34.5
5	21.5	26.5	28.3	31.9	31.9	32.1	33.7	33.6	33.8	34.2	34.4	34.5	34.6	34.6	34.7	34.5
6	22.4	27.9	29.8	32.6	33.5	33.7	34.7	35.4	35.5	36.0	36.1	36.2	36.7	36.4	36.4	36.7
7	23.2	25.7	32.7	33.7	34.6	34.8	35.9	36.5	36.7	37.1	37.3	37.4	37.4	37.5	37.6	37.9
8	25.1	31.4	33.5	36.9	37.9	38.1	39.2	39.9	40.1	40.5	40.7	40.8	40.8	40.9	41.0	41.3
9	25.8	30.3	34.5	37.8	38.9	39.1	40.2	40.9	41.1	41.5	41.7	41.8	41.8	41.9	42.0	42.3
10	25.9	32.5	34.9	38.2	39.2	39.5	40.5	41.2	41.4	41.8	42.0	42.1	42.2	42.3	42.3	42.7
11	27.2	34.2	36.6	41.5	41.1	41.4	42.4	43.2	43.3	43.6	43.9	44.0	44.1	44.2	44.3	44.5
12	30.2	35.2	41.1	45.2	46.5	46.8	47.7	48.8	49.0	49.5	49.7	49.8	49.9	50.0	50.1	50.4
13	33.2	42.7	45.7	52.9	52.5	52.8	54.7	55.3	55.6	56.1	56.3	56.4	56.4	56.6	56.6	57.1
14	36.5	45.8	49.7	54.4	56.0	56.4	58.7	59.1	59.4	60.0	60.0	60.3	60.4	60.5	60.6	60.9
15	41.2	51.1	54.4	61.2	61.0	62.5	64.2	65.4	65.8	66.5	66.7	66.8	66.9	67.0	67.1	67.4
16	43.3	53.8	57.5	63.8	65.8	66.3	68.7	69.3	69.6	70.3	70.5	70.7	70.8	70.9	71.0	71.3
17	47.1	59.7	62.9	71.1	72.4	72.9	74.9	76.3	76.8	77.5	77.7	77.9	78.0	78.1	78.2	78.6
18	47.7	59.6	63.0	71.3	73.7	74.2	75.2	77.7	78.2	78.9	79.1	79.3	79.4	79.5	79.5	79.8
19	49.3	61.9	66.6	74.7	77.2	77.7	79.8	81.5	82.0	82.8	83.0	83.2	83.3	83.4	83.5	83.8
20	52.5	63.8	68.0	77.7	81.7	81.9	83.3	85.0	85.6	86.5	86.7	86.9	87.0	87.1	87.2	87.6
21	52.9	64.3	69.7	78.8	81.6	82.3	84.8	86.7	87.7	88.3	88.5	88.7	88.8	88.9	89.0	89.4
22	51.7	64.6	70.1	79.3	82.2	82.9	85.5	87.4	88.1	89.0	89.7	89.8	89.9	90.0	90.1	90.5
23	51.3	64.9	71.6	80.2	83.2	83.9	86.7	88.7	89.3	90.3	90.6	90.8	90.9	91.0	91.2	91.5
24	51.4	65.2	71.1	81.0	84.2	84.8	87.8	89.9	90.6	91.7	91.9	92.1	92.2	92.4	92.6	92.9
25	51.5	65.4	71.4	81.6	85.0	85.8	88.8	91.1	91.6	92.9	93.2	93.4	93.5	93.8	93.9	94.3
26	51.6	65.5	71.5	82.0	85.6	86.3	89.5	92.0	92.0	94.0	94.3	94.6	94.7	95.0	95.1	95.5
27	51.6	65.5	71.6	82.1	85.8	86.6	89.9	92.6	93.6	94.9	95.3	95.6	95.8	96.1	96.2	96.6
28	51.6	65.5	71.6	82.1	85.9	86.7	90.1	92.9	94.1	95.6	96.0	96.4	96.6	97.1	97.2	97.8
29	51.6	65.5	71.6	82.1	85.9	86.7	90.1	93.0	94.1	95.8	96.4	96.7	97.1	97.9	98.3	99.1
30	51.6	65.5	71.6	82.1	85.9	86.7	90.1	93.0	94.1	95.8	96.4	96.8	97.2	98.0	98.5	99.7
31	51.6	65.5	71.6	82.1	85.9	86.7	90.1	93.0	94.2	95.8	96.4	96.8	97.2	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7477

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1957 LAKENHEATH PAF UK  
 STATION NAME

74-07

FEB

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1957-1957

TIME	VISIBILITY: STATUTE MILES												OR (HUNDREDS OF METERS)											
	19	20	21	22	23	24	25	26	27	28	29	30	10	20	30	40	50	60	70	80	90	100		
0000	16.1	22.3	22.9	25.1	26.5	26.4	28.8	29.4	29.5	30.3	30.6	30.6	30.7	30.9	31.4	32.3	32.9	33.4	33.9	34.7	35.2	35.7		
0100	18.1	23.1	26.0	28.9	30.8	30.8	33.2	33.8	34.0	34.3	35.0	35.0	35.1	35.4	35.9	36.7	37.1	37.4	37.9	38.7	39.2	39.7		
0200	18.2	23.3	26.1	29.0	30.9	30.9	33.3	33.9	34.1	34.9	35.1	35.1	35.3	35.5	36.0	36.8	37.2	37.5	37.9	38.7	39.2	39.7		
0300	18.2	23.3	26.1	29.0	30.9	30.9	33.3	33.9	34.1	34.9	35.1	35.1	35.3	35.5	36.0	36.8	37.2	37.5	37.9	38.7	39.2	39.7		
0400	18.3	23.5	26.4	29.3	31.2	31.2	33.6	34.2	34.3	35.1	35.4	35.4	35.5	35.7	36.2	37.1	37.5	37.8	38.2	38.9	39.4	39.9		
0500	19.3	24.6	27.5	30.7	32.6	32.6	35.0	35.6	35.7	36.6	36.8	36.8	36.9	37.2	37.6	38.5	38.9	39.2	39.6	40.3	40.8	41.3		
0600	19.7	24.9	27.8	31.1	33.0	33.0	35.4	36.0	36.1	36.9	37.0	37.2	37.3	37.5	38.0	38.8	39.2	39.5	39.9	40.6	41.1	41.6		
0700	21.7	27.5	30.0	34.7	36.6	36.7	39.1	39.7	39.8	40.6	40.9	40.9	41.0	41.2	41.7	42.6	42.9	43.2	43.6	44.3	44.8	45.3		
0800	21.9	27.7	31.0	35.5	37.4	37.5	39.9	40.5	40.6	41.5	41.7	41.7	41.8	42.0	42.5	43.4	43.7	44.0	44.4	45.1	45.6	46.1		
0900	21.9	27.7	31.0	35.5	37.4	37.5	39.9	40.5	40.6	41.5	41.7	41.7	41.8	42.0	42.5	43.4	43.7	44.0	44.4	45.1	45.6	46.1		
1000	22.9	28.8	33.1	36.8	38.7	38.8	41.6	42.2	42.4	43.3	43.5	43.5	43.6	43.9	44.4	45.2	45.5	45.8	46.3	47.0	47.5	48.0		
1100	25.5	30.1	37.1	41.0	43.4	43.5	46.5	47.1	47.5	48.3	48.6	48.6	48.7	49.2	49.6	50.5	50.8	51.1	51.6	52.3	52.8	53.3		
1200	27.8	34.5	39.6	44.2	47.0	47.4	50.4	51.0	51.6	52.4	52.6	52.6	52.7	53.2	53.7	54.6	54.9	55.2	55.7	56.4	56.9	57.4		
1300	29.9	38.4	43.8	48.6	51.3	51.7	55.4	56.0	56.7	57.6	57.8	57.8	58.2	58.4	58.9	59.7	60.0	60.3	60.8	61.5	62.0	62.5		
1400	31.5	40.9	47.1	52.4	55.4	55.8	59.6	60.3	61.0	61.9	62.1	62.1	62.5	62.7	63.2	64.0	64.3	64.6	65.1	65.8	66.3	66.8		
1500	33.5	43.3	49.8	55.5	58.9	59.2	63.2	63.9	64.6	65.6	65.8	65.8	66.2	66.4	66.9	67.7	68.0	68.3	68.8	69.5	70.0	70.5		
1600	35.7	46.8	53.8	60.3	63.7	64.0	68.0	68.9	69.7	70.6	71.0	71.0	71.5	71.7	72.2	73.0	73.3	73.6	74.1	74.8	75.3	75.8		
1700	36.7	47.1	54.4	61.4	65.0	65.3	69.3	70.4	71.1	72.2	72.5	72.5	73.0	73.3	73.7	74.6	74.9	75.2	75.7	76.4	76.9	77.4		
1800	37.6	49.2	57.1	64.3	68.0	68.3	72.3	73.6	74.3	75.4	75.8	75.8	76.3	76.5	77.0	77.8	78.1	78.4	78.9	79.6	80.1	80.6		
1900	38.8	50.8	59.7	66.8	70.6	71.0	75.0	77.0	77.7	78.9	79.3	79.3	79.7	80.0	80.5	81.4	81.7	82.0	82.5	83.2	83.7	84.2		
2000	39.4	51.8	60.4	68.8	72.8	73.3	77.7	79.2	80.9	82.1	82.7	82.7	83.2	83.5	83.9	84.9	85.2	85.5	86.0	86.7	87.2	87.7		
2100	39.6	52.2	60.9	69.9	74.0	74.5	79.9	81.5	82.3	83.5	84.1	84.1	84.5	84.8	85.3	86.2	86.5	86.8	87.3	88.0	88.5	89.0		
0000	39.8	52.5	61.8	70.9	74.0	75.4	80.8	82.5	83.2	84.4	85.0	85.0	85.5	85.7	86.2	87.2	87.5	87.8	88.3	89.0	89.5	90.0		
0100	40.3	53.7	62.7	71.9	75.0	76.5	82.1	83.9	84.8	86.0	86.6	86.6	87.1	87.3	87.8	88.7	89.0	89.3	89.8	90.5	91.0	91.5		
0200	40.3	53.0	62.0	72.3	76.4	76.9	82.5	84.3	85.3	86.7	87.5	87.5	88.0	88.2	88.7	89.7	90.0	90.3	90.8	91.5	92.0	92.5		
0300	40.9	53.6	63.5	73.4	77.6	78.2	84.3	86.8	88.0	89.8	90.6	90.6	91.1	91.5	92.0	92.9	93.2	93.5	94.0	94.7	95.2	95.7		
0400	40.9	53.6	63.7	73.6	77.8	78.4	84.8	87.4	88.6	90.4	91.2	91.2	91.7	92.1	92.6	93.5	93.8	94.1	94.6	95.3	95.8	96.3		
0500	40.9	53.6	63.7	73.6	77.9	78.7	85.7	88.2	89.6	91.7	92.6	92.6	93.3	93.6	94.2	95.4	95.7	96.0	96.5	97.2	97.7	98.2		
0600	40.9	53.6	63.7	73.6	77.9	78.7	85.7	88.2	89.6	92.1	93.0	93.4	94.1	94.4	95.6	98.2	98.5	98.8	99.3	100.0	100.0	100.0		
0700	40.9	53.6	63.7	73.6	77.9	78.7	85.7	88.2	89.6	92.1	93.0	93.4	94.1	94.4	95.6	98.2	98.5	98.8	99.3	100.0	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS 839

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1971 LAKENHEATH RAF UK

74-87

552

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

100-5500

CEILING (FEET)	VISIBILITY (STATUTE MILES)																OR (HUNDREDS OF METERS)								
	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	25	30	35	40	45	50	
1000	14.1	18.2	20.6	23.6	24.2	24.2	26.2	28.7	29.3	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
900	16.5	21.4	24.4	26.2	28.9	28.9	31.1	32.9	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
800	16.5	21.4	24.4	28.2	28.9	28.9	31.1	32.9	33.3	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
700	16.6	21.5	24.6	28.5	29.2	29.2	31.2	33.1	33.5	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
600	17.6	22.8	26.7	29.9	30.6	30.6	32.8	34.6	34.9	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
500	19.7	24.0	27.7	31.1	31.8	31.8	34.0	35.8	36.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
400	22.5	26.3	29.4	33.9	34.6	34.6	36.7	38.5	38.9	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
300	21.4	27.3	30.6	35.0	35.8	35.8	37.9	39.7	40.1	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
200	21.4	27.3	30.7	35.2	35.9	35.9	38.0	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
100	23.8	31.1	35.4	41.0	42.0	42.1	44.5	46.7	47.0	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
50	25.9	34.2	38.8	45.6	46.7	46.9	49.5	51.8	52.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
0	28.5	38.0	43.2	51.5	51.6	51.8	54.9	57.2	58.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
1000	30.0	40.1	45.0	53.5	54.7	55.0	58.3	60.5	61.5	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
900	31.8	42.2	48.3	56.2	57.4	57.8	61.2	63.8	64.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
800	35.2	46.4	53.7	61.8	63.0	63.4	67.0	70.2	71.2	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
700	35.7	46.8	53.8	62.7	63.9	64.4	67.9	71.2	72.1	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
600	37.1	48.9	56.1	65.8	67.1	67.7	72.0	75.2	76.2	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
500	37.4	49.8	57.1	67.8	69.9	70.6	75.1	78.3	79.4	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
400	37.8	50.1	57.7	68.4	70.5	71.2	76.0	79.2	80.3	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
300	37.8	50.1	57.8	68.7	70.7	71.4	76.2	79.5	80.6	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
200	38.0	50.5	58.5	69.6	72.2	73.0	78.1	81.8	83.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
100	38.0	50.5	58.7	70.1	72.7	73.4	79.1	82.8	84.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
50	38.2	50.6	58.9	70.5	73.3	74.0	79.9	83.7	85.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
0	38.3	50.7	59.1	70.9	73.8	74.5	81.9	85.0	86.8	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
1000	38.3	50.7	59.1	70.9	74.0	75.0	81.3	85.5	87.4	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
900	38.3	50.7	59.1	70.9	74.2	75.1	81.8	86.1	88.3	90.8	91.4	91.7	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
800	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
700	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
600	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
500	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
400	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
300	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
200	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
100	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
50	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
0	38.3	50.7	59.2	71.2	74.5	75.5	82.2	86.5	88.6	91.1	91.9	92.2	92.7	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

19831 LAKENHEATH RAF UK

74-87

FE8

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

600-9000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
20000	11.7	15.3	17.8	19.4	20.5	21.9	22.7	23.5	23.8	25.7	25.3	25.6	25.7	25.8	26.3	26.9				
18000	13.5	17.8	20.3	22.6	23.9	24.3	25.5	27.2	27.5	28.7	29.2	29.4	29.5	29.6	30.1	30.8				
16000	13.6	18.0	21.0	23.1	24.4	24.7	26.0	27.7	28.0	29.3	29.7	30.0	30.1	30.2	30.7	31.4				
14000	13.6	18.2	21.1	23.2	24.5	24.9	26.2	27.8	28.1	29.4	29.9	30.1	30.2	30.3	30.8	31.5				
12000	13.7	18.3	21.3	23.4	24.7	25.1	26.4	28.3	28.6	29.9	30.3	30.6	30.7	30.8	31.3	32.0				
10000	14.7	19.6	22.6	24.9	26.7	26.6	28.7	29.9	30.2	31.5	32.1	32.4	32.5	32.6	33.1	33.8				
8000	15.4	20.7	23.6	26.2	27.6	28.0	29.3	31.2	31.5	32.9	33.5	33.7	33.8	33.9	34.4	35.1				
6000	16.7	22.0	25.2	27.5	28.9	29.3	30.6	32.5	32.8	34.2	34.8	35.0	35.1	35.2	35.7	36.4				
4000	17.4	23.1	26.5	29.1	31.6	30.9	32.3	34.2	34.5	35.8	36.4	36.7	36.8	36.9	37.4	38.2				
2000	18.6	24.7	28.9	32.3	33.8	34.2	35.6	37.5	37.9	39.2	39.8	40.0	40.1	40.3	40.7	41.6				
1000	21.3	27.2	31.7	35.6	37.2	37.5	39.2	41.2	41.5	43.7	43.7	44.2	44.3	44.4	44.9	45.8				
800	23.2	31.5	35.1	39.8	41.6	42.1	44.4	47.0	47.4	48.9	49.5	50.1	50.2	50.3	50.8	51.6				
600	25.6	33.6	38.7	43.7	45.6	46.1	48.9	51.5	52.0	53.4	54.2	54.7	54.8	55.7	55.6	56.4				
400	27.7	36.3	41.5	47.1	49.0	49.6	52.4	55.2	55.7	57.1	57.9	58.4	58.5	58.7	59.1	60.1				
200	29.3	38.1	44.0	50.1	52.1	52.7	55.8	58.7	59.1	60.6	61.4	61.9	62.7	62.1	62.7	63.1				
100	31.4	41.6	48.3	55.4	57.5	58.2	61.3	64.6	65.4	66.8	67.6	68.2	68.3	68.5	69.1	69.9				
80	31.7	42.3	49.7	56.3	58.5	59.4	62.7	66.1	66.8	68.2	69.1	69.7	69.8	69.9	70.5	71.3				
60	32.5	44.1	51.9	58.9	61.5	62.6	66.2	70.0	71.0	72.6	73.5	74.1	74.2	74.3	74.9	75.7				
40	33.5	45.6	52.7	61.3	64.0	65.1	68.9	73.0	74.2	76.0	76.9	77.5	77.7	77.8	78.4	79.2				
20	33.8	46.0	53.0	61.9	65.0	66.1	70.1	74.6	75.7	77.5	78.5	79.1	79.2	79.3	79.9	80.8				
10	34.1	46.2	53.5	62.5	65.6	66.7	70.8	75.3	76.5	78.3	79.2	79.8	79.9	80.0	80.6	81.5				
8	34.4	46.7	54.4	63.7	66.8	67.9	72.5	77.2	78.4	80.3	81.2	81.8	82.0	82.1	82.7	83.5				
6	34.4	46.7	54.5	64.0	67.4	68.5	74.4	79.2	80.5	82.8	84.0	84.6	84.7	84.8	85.4	86.3				
4	34.4	46.7	54.6	64.3	68.2	69.3	75.5	80.6	82.1	84.5	85.8	86.4	86.5	86.6	87.2	88.1				
2	34.5	46.8	54.7	64.6	68.8	70.0	76.9	82.9	84.8	87.2	88.5	89.1	89.4	89.5	90.1	90.9				
1	34.5	46.8	54.7	64.8	69.1	70.3	77.5	84.0	85.9	88.4	89.7	90.4	90.7	90.8	91.4	92.4				
0	34.5	46.8	54.7	64.8	69.1	70.3	77.5	84.3	86.3	89.2	90.6	91.3	92.0	92.4	93.1	94.4				
0	34.5	47.0	54.8	64.9	69.2	70.4	77.8	84.6	86.5	89.6	91.0	91.8	92.5	93.5	95.0	97.6				
0	34.5	47.0	54.8	64.9	69.2	70.4	77.8	84.6	86.5	89.6	91.0	91.8	92.5	93.5	95.3	99.2				
0	34.5	47.0	54.8	64.9	69.2	70.4	77.8	84.6	86.5	89.6	91.0	91.8	92.5	93.7	95.5	100.0				

TOTAL NUMBER OF OBSERVATIONS 817

USAF ETAC 1204 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: LAKENHEATH RAF UK

YEAR: 74-87

PER: 1982-1988

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1982-1988

CEILING FEET	VISIBILITY STATUTE MILES															OR (HUNDREDS OF METERS)					
	GE 20	FC 20	GE 25	GE 30	GE 35	GE 40	GE 45	GE 50	GE 55	GE 60	GE 65	GE 70	GE 75	GE 80	GE 85	GE 90	GE 100	GE 110	GE 120	GE 150	
2 20000	11.6	14.9	17.1	20.5	21.7	22.1	22.9	23.9	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
2 18000	13.5	17.1	19.8	23.5	26.7	26.6	27.9	28.9	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
2 16000	13.9	17.4	20.2	23.9	26.5	27.0	28.2	29.5	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2 14000	13.9	17.4	20.2	23.9	26.5	27.0	28.2	29.5	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
2 12000	14.0	17.6	20.3	24.0	26.6	27.1	28.3	29.6	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
2 10000	15.2	19.1	21.9	25.8	28.6	29.0	30.0	31.5	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
2 9000	15.4	19.5	22.7	26.6	29.4	29.9	31.1	32.4	32.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
2 8000	17.1	21.3	24.6	29.0	31.8	32.4	33.6	34.9	35.1	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2 7000	18.3	22.8	26.3	31.8	33.6	34.3	35.7	37.2	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
2 6000	18.5	23.1	26.5	31.1	33.8	34.5	36.0	37.5	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
2 5000	19.6	24.4	27.8	33.3	36.7	36.9	38.6	40.1	40.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
2 4500	20.9	26.4	30.0	35.8	38.8	39.5	41.3	43.0	43.2	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
2 4000	24.5	31.1	34.6	41.3	44.6	45.3	47.2	49.1	49.3	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
2 3500	25.9	33.2	37.0	44.2	47.4	48.1	50.3	52.4	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
2 3000	28.3	36.2	40.0	47.6	51.0	51.7	54.0	56.3	56.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
2 2500	29.2	37.8	41.8	49.7	53.5	54.2	56.8	59.4	59.6	60.8	60.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
2 2000	30.9	41.5	46.0	54.5	59.5	59.4	62.5	65.7	66.1	67.3	67.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2 1800	31.1	41.7	46.6	55.6	59.9	60.8	63.9	67.1	67.5	68.7	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
2 1500	32.0	43.0	48.5	57.8	62.8	63.8	67.1	70.7	71.1	72.5	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2 1200	32.9	44.2	49.8	59.6	65.2	66.3	70.1	74.3	74.7	76.3	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2 1000	33.0	44.9	50.8	61.2	67.0	68.5	72.4	76.7	77.3	79.2	79.6	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2 900	33.2	45.4	51.7	61.8	68.2	69.7	73.6	77.9	78.5	80.5	80.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
2 800	33.6	45.8	51.9	62.8	69.7	71.1	75.5	80.2	80.9	83.2	83.5	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2 700	33.6	45.9	52.0	63.6	71.0	72.4	77.1	82.1	82.9	85.7	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2 600	33.6	46.0	52.1	63.7	71.4	73.0	78.0	83.9	84.8	87.9	88.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2 500	33.6	46.0	52.1	64.2	72.2	74.1	79.7	86.0	87.1	90.4	91.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
2 400	33.6	46.0	52.1	64.2	72.2	74.1	79.3	86.4	87.9	91.5	92.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2 300	33.6	46.0	52.1	64.2	72.2	74.1	79.5	86.7	88.3	92.2	93.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
2 200	33.6	46.0	52.1	64.2	72.2	74.1	79.5	86.7	88.3	92.2	93.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2 100	33.6	46.0	52.1	64.2	72.2	74.1	79.5	86.7	88.3	92.2	93.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2 000	33.6	46.0	52.1	64.2	72.2	74.1	79.5	86.7	88.3	92.2	93.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS 837



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74-83 LAKENHEATH RAF UK

74-83

FLS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES																CP (HUNDREDS OF METERS)			
	210	200	180	160	140	120	100	90	80	70	60	50	40	30	20	10	5	3	2	
> 20000	13.5	17.4	19.1	21.5	22.4	22.6	23.2	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1		
> 18000	17.1	21.8	23.9	27.9	29.5	29.6	29.7	30.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5		
> 16000	17.1	22.1	24.1	28.2	29.7	29.8	30.7	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6		
> 14000	17.1	22.1	24.1	28.2	29.7	29.8	30.7	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6		
> 12000	17.1	22.1	24.1	28.2	29.7	29.8	30.7	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6		
> 10000	17.9	23.3	25.4	29.6	31.1	31.3	32.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1		
> 9000	18.1	23.9	26.0	30.4	32.0	32.1	32.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9		
> 8000	20.4	26.6	29.4	33.8	35.3	35.6	36.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4		
> 7000	21.2	27.4	30.4	34.8	36.4	36.6	37.5	38.4	38.4	38.4	38.4	38.7	38.7	38.8	38.8	38.8	38.8	38.8		
> 6000	21.6	27.9	30.9	35.3	36.9	37.1	37.9	38.9	38.9	38.9	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3		
> 5000	22.7	29.0	32.1	36.6	39.2	38.4	39.3	40.2	40.2	40.2	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7		
> 4500	24.6	32.6	36.2	41.3	42.8	43.1	43.9	44.9	44.9	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3		
> 4000	27.6	36.3	40.3	46.1	47.9	48.1	48.9	49.9	49.9	49.9	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4		
> 3500	31.4	40.7	45.1	51.1	53.1	53.3	54.4	55.8	55.8	55.8	56.0	56.3	56.3	56.4	56.4	56.4	56.4	56.4		
> 3000	36.9	47.9	52.9	59.4	61.8	62.1	63.5	64.9	65.0	65.0	65.5	65.9	66.0	66.0	66.0	66.0	66.0	66.0		
> 2500	38.7	49.8	54.9	62.1	64.6	64.9	66.3	67.8	67.9	68.4	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9		
> 2000	41.5	54.3	60.1	68.6	71.8	72.2	74.2	75.8	76.0	76.6	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1		
> 1800	42.7	54.8	60.6	69.5	72.7	73.0	75.2	76.7	77.0	77.6	77.9	77.9	78.3	78.3	78.3	78.3	78.3	78.3		
> 1500	42.7	56.3	62.6	73.5	77.0	77.3	79.6	81.3	81.5	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7		
> 1200	43.6	57.9	64.9	76.8	80.9	81.3	84.1	85.9	86.3	87.1	87.5	87.8	87.9	87.9	87.9	87.9	87.9	87.9		
> 1000	43.7	58.2	65.4	77.9	82.8	83.2	86.3	88.3	88.7	89.7	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.6		
> 900	43.7	58.2	65.4	77.9	83.2	83.5	87.0	89.1	89.5	90.7	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5		
> 800	43.7	58.2	65.4	78.2	83.4	83.9	87.5	90.7	91.2	92.8	93.2	93.7	93.8	93.8	93.8	93.8	93.8	93.8		
> 700	43.8	58.4	65.6	78.4	83.8	84.4	88.2	91.5	92.0	94.0	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2		
> 600	43.8	58.4	65.6	78.4	83.8	84.4	88.2	91.9	92.4	94.4	95.0	95.6	95.7	95.7	95.7	95.7	95.7	95.7		
> 500	43.8	58.4	65.6	78.5	84.0	84.6	88.7	92.8	93.6	95.8	96.7	97.4	97.6	97.6	97.6	97.6	97.6	97.6		
> 400	43.8	58.4	65.6	78.5	84.0	84.6	88.7	92.8	93.6	95.8	96.8	97.5	97.7	97.7	97.7	97.7	97.7	97.7		
> 300	43.8	58.4	65.6	78.5	84.0	84.6	88.8	93.1	93.8	96.4	97.6	98.6	98.8	99.0	99.0	99.0	99.0	99.0		
> 200	43.8	58.4	65.6	78.5	84.0	84.6	88.8	93.1	93.8	96.4	97.6	98.6	98.8	99.2	99.2	99.2	99.2	99.2		
> 100	43.8	58.4	65.6	78.5	84.0	84.6	88.8	93.1	93.8	96.4	97.6	98.6	98.8	99.2	99.2	99.2	99.2	99.2		
> 50	43.8	58.4	65.6	78.5	84.0	84.6	88.8	93.1	93.8	96.4	97.6	98.6	98.8	99.2	99.2	99.2	99.2	99.2		

TOTAL NUMBER OF OBSERVATIONS 838

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75PT1 LAKENHEATH RAF JK 74-83 YEAR FEB 1970-2000

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
≥20000	16.4	20.8	23.8	27.8	27.6	27.7	29.7	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥18000	18.8	24.0	27.4	31.3	32.7	32.9	34.3	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.4	35.5	35.7			
≥16000	18.8	24.0	27.4	31.3	32.7	32.9	34.3	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.4	35.5	35.7			
≥14000	18.8	24.0	27.4	31.3	32.7	32.9	34.3	34.9	35.1	35.1	35.1	35.1	35.1	35.2	35.4	35.5	35.7			
≥12000	18.8	24.0	27.5	31.7	33.1	33.2	34.6	35.2	35.5	35.5	35.5	35.5	35.6	35.7	35.8	36.1				
≥10000	19.1	24.5	29.0	32.1	33.6	33.7	35.1	35.7	36.7	36.0	36.0	36.0	36.0	36.1	36.2	36.3	36.6			
≥9000	19.7	25.4	29.2	33.5	34.9	35.0	36.4	37.0	37.3	37.3	37.3	37.3	37.3	37.4	37.5	37.6	37.9			
≥8000	21.5	28.7	31.8	36.4	38.2	38.4	39.8	40.4	40.6	40.6	40.6	40.6	40.6	40.7	40.9	41.0	41.2			
≥7000	22.7	28.6	32.6	37.3	39.1	39.2	40.6	41.2	41.5	41.6	41.6	41.6	41.6	41.9	42.1	42.2	42.4			
≥6000	22.1	29.0	33.1	37.8	39.5	39.7	41.1	41.7	41.9	42.1	42.1	42.1	42.1	42.4	42.5	42.7	42.9			
≥5000	24.1	31.4	35.6	40.3	42.2	42.3	43.7	44.6	44.8	45.0	45.0	45.0	45.0	45.4	45.5	45.6	45.9			
≥4500	26.6	34.4	39.3	44.9	47.0	47.1	48.5	49.5	49.8	50.1	50.1	50.1	50.1	50.4	50.5	50.7	50.9			
≥4000	30.2	38.9	44.3	50.8	53.0	53.2	54.6	55.7	56.0	56.3	56.3	56.3	56.3	56.6	56.8	56.9	57.1			
≥3500	32.7	42.1	47.7	54.2	56.6	56.8	58.3	59.9	60.2	60.5	60.5	60.5	60.5	60.8	60.9	61.1	61.3			
≥3000	35.8	46.4	52.3	59.5	62.1	62.2	64.2	65.7	66.1	66.4	66.4	66.4	66.4	66.8	66.9	67.2	67.3			
≥2500	36.8	48.4	54.4	62.4	65.1	65.2	67.1	68.7	69.1	69.4	69.4	69.4	69.4	69.8	69.9	70.0	70.3			
≥2000	38.9	51.5	59.7	69.2	71.9	72.0	74.2	75.9	76.2	76.7	76.7	76.7	76.7	77.1	77.2	77.3	77.5			
≥1800	39.1	51.7	61.1	69.7	72.4	72.5	74.7	76.5	76.8	77.3	77.3	77.3	77.3	77.7	77.8	77.9	78.1			
≥1500	40.6	54.0	63.3	74.4	77.5	77.9	80.2	82.2	82.6	83.0	83.0	83.0	83.0	83.4	83.5	83.6	83.9			
≥1200	41.1	54.6	64.2	76.5	80.2	80.6	83.4	85.4	85.8	86.6	86.7	86.7	86.7	87.1	87.2	87.3	87.6			
≥1000	41.2	54.7	64.5	77.2	81.2	81.8	84.7	86.9	87.3	88.4	88.5	88.5	88.5	88.9	89.0	89.1	89.4			
≥900	41.2	54.7	64.5	77.5	82.0	82.7	85.7	87.8	88.3	89.4	89.5	89.5	89.5	89.8	90.0	90.1	90.3			
≥800	41.5	55.3	64.9	77.9	82.8	83.3	86.5	89.6	90.4	91.8	91.9	91.9	91.9	92.2	92.4	92.5	92.7			
≥700	41.6	55.2	65.1	78.4	82.9	83.8	87.6	90.8	92.0	93.3	93.4	93.4	93.4	93.8	93.9	94.0	94.3			
≥600	41.7	55.3	65.4	78.6	83.2	84.0	88.1	91.3	92.5	94.3	94.4	94.4	94.4	94.7	94.9	95.0	95.2			
≥500	41.7	55.3	65.4	78.9	83.5	84.5	88.6	92.0	93.5	95.7	95.8	95.9	96.4	96.5	96.7	96.9				
≥400	41.7	55.3	65.4	78.9	83.6	84.6	89.0	92.8	94.4	96.8	96.9	97.1	97.6	97.7	97.8	98.1				
≥300	41.7	55.3	65.4	78.9	83.6	84.6	89.0	93.4	95.0	97.5	97.6	97.8	98.6	98.6	98.8	98.9	99.2			
≥200	41.7	55.3	65.4	78.9	83.6	84.6	89.0	93.4	95.1	97.6	97.7	98.0	98.7	99.0	99.2	99.4				
≥100	41.7	55.3	65.4	78.9	83.6	84.6	89.0	93.4	95.1	97.6	97.7	98.1	98.8	99.3	99.4	100.0				
≥0	41.7	55.3	65.4	78.9	83.6	84.6	89.0	93.4	95.1	97.6	97.7	98.1	98.8	99.3	99.4	100.0				

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AFD WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION LAKENHEATH RAF JK

74-83

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

710-2300

CEILING FEET	VISIBILITY STATUTE MILES																M (HUNDREDS OF METERS)															
	210	200	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
2 2000	19.0	23.7	26.9	29.5	31.1	31.1	33.1	33.7	33.7	34.1	34.1	34.2	34.5	34.8	35.0	35.1																
2 1800	22.7	25.7	29.0	32.4	34.9	34.9	37.4	38.1	38.1	38.6	38.6	38.7	39.1	39.3	39.5	39.7																
2 1600	22.7	25.7	29.0	32.4	34.9	34.9	37.4	38.1	38.1	38.6	38.6	38.7	39.1	39.3	39.5	39.7																
2 1400	22.8	25.8	29.2	32.5	35.0	35.0	37.5	38.2	38.2	38.7	38.7	38.8	39.2	39.4	39.7	39.8																
2 1200	21.1	26.2	29.5	32.9	35.4	35.4	37.9	38.6	38.6	39.1	39.1	39.2	39.5	39.8	40.0	40.1																
2 1000	22.1	27.1	30.5	34.4	36.9	36.9	39.4	40.1	40.1	40.6	40.6	40.7	41.1	41.3	41.6	41.7																
2 900	22.5	28.0	31.3	35.2	37.8	37.8	40.3	41.0	41.0	41.5	41.5	41.7	42.1	42.3	42.5	42.7																
2 800	24.4	31.5	33.8	38.1	40.6	40.6	43.1	44.2	44.2	44.7	44.7	44.9	45.3	45.5	45.8	45.9																
2 700	24.6	31.8	34.5	38.8	41.3	41.3	43.8	44.9	44.9	45.4	45.4	45.6	46.0	46.2	46.5	46.6																
2 600	24.6	30.8	34.5	38.8	41.3	41.3	43.8	44.9	44.9	45.4	45.4	45.6	46.0	46.2	46.5	46.6																
2 500	25.2	31.3	35.5	39.9	42.4	42.4	44.9	46.5	46.5	47.2	47.2	47.4	47.8	48.0	48.3	48.4																
2 4500	26.6	34.5	38.5	43.5	46.1	46.1	48.6	49.6	49.6	50.4	51.0	51.5	51.7	52.1	52.3	52.6	52.7															
2 4000	29.5	37.8	42.2	47.3	50.2	50.2	52.7	53.9	54.7	55.3	55.8	55.9	56.0	56.4	56.6	56.9	57.0															
2 3500	31.8	40.5	45.0	50.3	53.2	53.2	55.7	57.5	58.3	58.9	59.4	59.4	59.6	60.0	60.2	60.5	60.6															
2 3000	35.5	45.0	50.2	55.6	58.7	58.7	61.2	63.0	64.0	64.6	65.1	65.1	65.4	65.7	65.9	66.2	66.3															
2 2500	37.5	48.3	53.9	59.4	62.7	62.7	65.2	67.1	68.2	68.8	69.3	69.3	69.5	69.9	70.1	70.4	70.5															
2 2000	39.2	51.0	57.7	64.6	69.6	69.6	72.1	73.9	74.1	74.7	75.1	75.1	75.4	75.7	76.0	76.2	76.3															
2 1800	39.7	51.9	58.5	65.8	69.8	69.8	72.3	74.2	75.3	75.9	76.3	76.3	76.6	76.9	77.2	77.4	77.5															
2 1500	47.5	53.8	61.5	70.3	74.3	74.3	76.8	78.7	79.0	80.6	81.1	81.1	81.4	81.7	82.0	82.2	82.3															
2 1200	41.2	55.0	62.8	72.6	76.8	76.8	79.3	81.2	81.3	83.9	84.5	84.5	84.7	85.1	85.3	85.5	85.7															
2 1000	41.3	55.3	63.4	74.3	79.1	79.1	81.6	83.5	83.6	86.2	86.8	86.8	87.0	87.3	87.5	87.6	87.7															
2 900	41.8	55.8	64.0	75.3	80.3	80.3	82.8	84.7	84.8	87.4	88.0	88.0	88.2	88.5	88.7	88.8	88.9															
2 800	41.9	56.0	64.4	75.9	81.0	81.0	83.5	85.4	85.5	88.1	88.7	88.7	88.9	89.1	89.5	89.7	89.8															
2 700	42.1	56.2	64.9	76.5	81.6	81.6	84.1	86.0	86.1	88.7	89.3	89.3	89.5	89.9	90.1	90.2	90.3															
2 600	42.1	56.2	64.9	76.6	81.8	81.8	84.3	86.2	86.3	88.9	89.5	89.5	89.7	90.1	90.3	90.4	90.5															
2 500	42.2	56.3	65.4	77.4	82.7	82.7	85.2	87.1	87.2	89.8	90.4	90.4	90.6	91.0	91.2	91.3	91.4															
2 400	42.2	56.3	65.4	77.4	83.0	83.0	85.5	87.4	87.5	90.1	90.7	90.7	90.9	91.3	91.5	91.6	91.7															
2 300	42.2	56.3	65.4	77.4	83.0	83.0	85.5	87.4	87.5	90.1	90.7	90.7	90.9	91.3	91.5	91.6	91.7															
2 200	42.2	56.3	65.4	77.4	83.0	83.0	85.5	87.4	87.5	90.1	90.7	90.7	90.9	91.3	91.5	91.6	91.7															
2 100	42.2	56.3	65.4	77.4	83.0	83.0	85.5	87.4	87.5	90.1	90.7	90.7	90.9	91.3	91.5	91.6	91.7															
2 00	42.2	56.3	65.4	77.4	83.0	83.0	85.5	87.4	87.5	90.1	90.7	90.7	90.9	91.3	91.5	91.6	91.7															

TOTAL NUMBER OF OBSERVATIONS 837

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

1983  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

74-87  
 YEAR

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 MONTH

CEILING FEET	VISIBILITY STATUTE MILES																
	210	200	250	240	230	220	210	200	190	180	170	160	150	140	130	120	110
NO CEILING	14.9	18.2	21.5	23.1	24.4	24.5	5.8	26.7	26.9	27.3	27.4	27.8	27.5	27.6	27.9	28.2	28.5
≥ 20000	16.6	21.3	24.7	27.4	29.2	29.3	37.9	31.8	32.7	32.5	32.6	32.6	32.7	32.8	33.0	33.4	33.9
≥ 18000	16.8	21.4	24.7	27.7	29.4	29.6	31.1	32.1	32.3	32.8	32.9	32.9	33.0	33.1	33.3	33.7	34.2
≥ 16000	16.8	21.4	24.2	27.7	29.4	29.6	31.1	32.1	32.3	32.8	32.9	32.9	33.0	33.1	33.3	33.7	34.2
≥ 14000	16.9	21.5	24.7	27.7	29.5	29.6	31.7	32.2	32.3	32.8	32.9	33.0	33.0	33.2	33.4	33.8	34.3
≥ 12000	16.9	21.6	24.4	28.0	29.7	29.9	31.4	32.4	32.6	33.1	33.2	33.2	33.3	33.4	33.6	34.0	34.5
≥ 10000	17.9	22.8	25.6	29.3	31.1	31.3	32.9	33.8	34.0	34.5	34.6	34.7	34.8	34.9	35.1	35.5	36.0
≥ 9000	18.4	23.5	26.5	31.3	32.1	32.2	33.9	34.8	35.0	35.5	35.6	35.6	35.7	35.8	36.1	36.5	37.0
≥ 8000	20.3	25.9	29.1	33.1	35.0	35.2	36.9	37.8	38.0	38.5	38.6	38.6	38.7	38.8	39.1	39.4	40.0
≥ 7000	21.7	26.7	30.2	34.3	36.2	36.4	38.0	39.1	39.2	39.8	39.9	40.0	40.1	40.2	40.4	40.9	41.4
≥ 6000	21.1	26.9	31.4	34.5	36.4	36.7	38.3	39.3	39.5	40.0	40.2	40.3	40.4	40.5	40.7	41.1	41.6
≥ 5000	22.1	28.3	32.7	36.5	38.4	38.7	40.4	41.6	41.8	42.3	42.5	42.6	42.7	42.8	43.2	43.4	43.9
≥ 4500	24.1	31.1	35.2	41.2	42.3	42.6	44.4	45.7	46.0	46.6	46.7	46.9	47.0	47.1	47.4	47.8	48.3
≥ 4000	27.2	34.8	39.2	45.0	47.2	47.6	49.6	51.0	51.4	52.2	52.2	52.3	52.5	52.6	52.8	53.2	53.7
≥ 3500	29.7	38.2	43.0	49.1	51.4	51.8	54.1	55.7	56.2	56.8	57.0	57.2	57.3	57.4	57.7	58.1	58.6
≥ 3000	32.9	42.2	47.5	54.0	56.6	57.0	59.5	61.1	61.6	62.4	62.6	62.8	62.9	63.1	63.3	63.7	64.2
≥ 2500	34.4	44.4	49.9	56.9	59.6	60.1	62.7	64.5	64.9	65.8	66.0	66.2	66.3	66.4	66.7	67.1	67.6
≥ 2000	36.8	48.1	54.5	62.5	65.5	66.0	69.9	71.9	71.4	72.3	72.6	72.7	72.9	73.0	73.3	73.7	74.2
≥ 1800	37.0	48.6	55.1	63.4	66.5	67.0	69.9	72.0	72.5	73.4	73.7	73.9	74.1	74.1	74.4	74.8	75.3
≥ 1500	38.3	50.6	57.5	67.0	70.3	70.9	74.1	76.4	77.0	78.0	78.2	78.4	78.6	78.7	78.9	79.3	79.8
≥ 1200	39.1	51.9	59.2	69.5	73.3	73.9	77.6	80.2	80.8	82.0	82.3	82.5	82.7	82.8	83.1	83.5	84.0
≥ 1000	39.4	52.4	59.9	70.7	74.9	75.7	79.6	82.4	83.1	84.3	84.6	84.9	85.1	85.2	85.5	85.9	86.4
IV 900	39.5	52.6	60.2	71.3	75.7	76.5	81.4	83.3	84.0	85.3	85.6	85.9	86.1	86.2	86.4	86.9	87.4
IV 800	39.8	52.9	60.7	72.0	76.7	77.5	81.8	85.1	86.0	87.4	87.7	88.0	88.2	88.3	88.6	89.0	89.5
IV 700	39.9	53.0	61.0	72.5	77.3	78.2	82.9	86.5	87.4	89.0	89.5	89.7	89.9	90.1	90.3	90.8	91.3
IV 600	39.9	53.1	61.1	72.7	77.7	78.5	83.5	87.3	88.3	90.2	90.7	91.0	91.2	91.3	91.6	92.0	92.5
IV 500	40.0	53.2	61.3	73.2	79.2	79.2	84.5	88.8	89.7	91.1	92.1	92.7	93.1	93.3	93.5	93.8	94.2
IV 400	40.0	53.2	61.3	73.2	78.4	79.4	84.8	89.3	90.8	93.0	93.7	94.1	94.4	94.7	94.9	95.4	95.9
IV 300	40.0	53.2	61.3	73.2	78.4	79.4	85.0	89.7	91.2	93.7	94.5	95.1	95.5	95.7	96.3	96.9	97.5
IV 200	40.0	53.2	61.3	73.2	78.5	79.5	85.0	89.8	91.3	93.9	94.8	95.4	95.9	96.7	97.2	98.0	98.6
IV 100	40.0	53.2	61.3	73.2	78.5	79.5	85.0	89.8	91.3	93.9	94.8	95.4	95.9	96.8	97.4	98.6	99.6
IV 0	40.0	53.2	61.3	73.2	78.5	79.5	85.0	89.8	91.3	93.9	94.8	95.4	95.9	96.8	97.5	98.6	99.6

TOTAL NUMBER OF OBSERVATIONS 6693

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

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

74931  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-87  
YEAR

MAC  
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

200-2000  
L.F.

CEILING FEET	VISIBILITY STATUTE MILES																OP (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0										
	GE10	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1	GE0	GE10	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1	GE0										
NO CEILING	26.2	30.5	32.9	34.3	35.2	35.5	36.5	37.1	37.4	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.7	37.9														
≥ 20000	28.4	32.8	35.2	36.8	37.7	38.7	39.2	40.0	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.7	40.9														
≥ 18000	28.4	32.8	35.2	36.8	37.7	38.7	39.2	40.0	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.7	40.9														
≥ 16000	28.4	32.8	35.2	36.8	37.7	38.7	39.2	40.0	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.7	40.9														
≥ 14000	28.4	32.8	35.2	36.8	37.7	38.7	39.2	40.0	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.7	40.9														
≥ 12000	28.5	32.9	35.3	36.9	37.8	38.1	39.3	40.2	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.8	41.0														
≥ 10000	29.4	33.8	36.2	37.8	38.6	39.0	40.2	41.0	41.2	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.7	41.9														
≥ 9000	29.8	34.2	36.6	38.2	39.1	39.4	40.6	41.4	41.7	41.8	41.8	41.8	41.9	41.9	41.9	41.9	42.1	42.3														
≥ 8000	34.7	38.8	41.1	42.7	43.6	43.9	45.1	46.0	46.2	46.3	46.3	46.4	46.4	46.4	46.4	46.6	46.8															
≥ 7000	35.2	40.0	42.4	44.1	45.2	45.5	46.7	47.6	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.2	48.4															
≥ 6000	35.4	40.3	42.6	44.3	45.4	45.7	46.9	47.8	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.4	48.7															
≥ 5000	36.3	41.2	43.7	45.4	46.5	46.8	48.0	48.9	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.5	49.7															
≥ 4500	38.2	43.6	46.2	48.1	49.2	49.5	50.9	52.0	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.6	52.9															
≥ 4000	42.7	48.0	51.2	53.6	54.7	55.0	56.4	57.7	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.3	58.6															
≥ 3500	45.1	51.9	55.4	58.2	59.4	59.7	61.2	62.5	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.2	63.4															
≥ 3000	48.3	55.7	59.5	62.8	63.9	64.3	65.8	67.1	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.8	68.0															
≥ 2500	50.3	57.7	62.2	66.0	67.2	67.5	69.1	70.4	70.6	70.8	70.8	70.9	70.9	70.9	70.9	71.2	71.4															
≥ 2000	54.7	62.2	67.6	71.5	72.8	73.2	74.9	76.2	76.4	76.6	76.6	76.7	76.7	76.7	76.7	77.0	77.2															
≥ 1800	54.8	63.7	68.5	72.3	73.6	74.1	75.8	77.1	77.5	77.7	77.7	77.7	77.8	77.8	77.8	78.0	78.3															
≥ 1500	56.4	65.2	71.0	75.2	75.7	77.3	79.0	80.3	80.7	81.1	81.1	81.2	81.2	81.2	81.2	81.4	81.6															
≥ 1200	59.1	68.1	74.8	79.4	81.2	81.7	83.4	84.8	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.9	86.1															
≥ 1000	59.5	68.6	76.0	80.9	82.7	83.4	85.1	86.5	87.0	87.3	87.3	87.4	87.4	87.4	87.4	87.6	87.8															
≥ 900	59.8	68.9	76.5	81.7	83.5	84.4	86.1	87.5	88.0	88.3	88.3	88.4	88.4	88.4	88.4	88.6	88.8															
≥ 800	61.1	69.3	77.3	82.5	84.9	86.1	87.9	89.4	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.8															
≥ 700	61.2	69.5	78.0	83.4	86.3	87.6	89.3	91.1	92.1	92.6	92.9	92.9	93.0	93.1	93.1	93.3	93.5															
≥ 600	60.2	69.6	78.1	83.9	87.0	88.3	90.1	91.9	93.6	94.1	94.4	94.4	94.5	94.6	94.6	94.8	95.0															
≥ 500	60.4	69.9	78.7	85.3	88.5	89.8	92.7	95.6	96.7	96.3	96.3	96.4	96.6	96.6	96.6	96.8	97.0															
≥ 400	60.6	70.1	78.9	85.7	88.9	90.2	93.1	96.2	96.9	97.4	97.4	97.5	97.6	97.6	97.6	97.8	98.1															
≥ 300	60.6	70.1	78.9	85.7	88.9	90.2	93.2	96.3	97.0	97.5	97.5	97.6	97.7	97.7	97.7	98.0	98.2															
≥ 200	60.6	70.1	78.9	85.7	89.0	90.3	93.3	96.4	97.2	97.7	97.7	97.8	98.1	98.1	98.1	98.5	98.7															
≥ 100	60.6	70.1	78.9	85.7	89.0	90.3	93.3	96.4	97.2	97.7	97.7	97.8	98.1	98.1	98.1	98.5	98.7															
≥ 0	60.6	70.1	78.9	85.7	89.0	90.3	93.3	96.4	97.2	97.7	97.7	97.8	98.1	98.1	98.1	98.5	98.7															

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: LAKEWORTH RAF JK  
STATION NAME

74-97

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7-0-5500

VISIBILITY	CEILING (HUNDREDS OF METERS)															
	200	200	250	250	300	300	350	350	400	400	450	450	500	500	550	550
1-000	22.3	27.2	29.7	31.5	32.5	32.8	34.7	34.8	34.9	35.4	35.5	35.6	35.6	35.8	35.9	36.2
1-800	24.7	29.9	31.9	34.7	35.7	36.0	37.7	38.7	38.8	39.5	39.7	39.8	39.8	39.8	40.7	41.4
1-600	24.7	29.9	31.9	34.7	35.7	36.0	37.7	38.7	38.8	39.5	39.7	39.8	39.8	40.7	41.4	41.4
1-400	24.7	29.9	31.9	34.7	35.7	36.0	37.7	38.7	38.8	39.5	39.7	39.8	39.8	40.7	41.4	41.4
1-200	24.7	29.9	31.9	34.7	35.7	36.0	37.7	38.7	38.8	39.5	39.7	39.8	39.8	40.7	41.4	41.4
1-000	25.1	30.3	32.4	35.2	36.1	36.5	38.2	39.1	39.2	39.9	40.1	40.2	40.2	40.4	40.5	40.9
1-800	25.7	31.0	33.3	36.1	37.1	37.4	39.1	40.1	40.2	40.9	41.1	41.2	41.2	41.4	41.5	41.8
1-600	29.1	34.4	36.9	39.7	40.6	41.7	42.7	43.7	43.9	44.4	44.5	44.7	44.7	44.9	45.1	45.4
1-400	29.8	35.2	37.5	40.4	41.4	41.7	43.7	44.6	44.7	45.4	45.7	45.8	45.8	46.0	46.1	46.5
1-200	30.1	35.5	37.9	40.8	41.7	42.7	44.7	44.9	45.1	45.7	46.7	46.1	46.1	46.3	46.5	46.8
1-000	31.4	36.9	39.6	42.5	43.4	43.8	45.8	46.8	46.9	47.5	47.8	48.2	48.2	48.3	48.6	48.6
1-800	33.5	39.2	41.9	45.3	46.8	47.1	49.5	50.4	50.5	51.2	51.5	51.6	51.6	51.8	51.9	52.3
1-600	33.9	44.8	47.7	51.5	53.2	53.7	56.7	57.2	57.3	57.7	58.1	58.2	58.2	58.4	58.5	58.8
1-400	41.1	47.1	50.1	54.6	56.5	56.9	59.2	60.2	60.3	61.0	61.3	61.4	61.4	61.5	61.7	62.0
1-200	43.5	49.9	53.2	57.8	59.8	60.2	62.7	63.7	63.9	64.5	64.9	64.9	64.9	65.2	65.3	65.6
1-000	45.2	51.6	55.4	60.2	62.5	62.9	65.5	66.5	66.7	67.3	67.6	67.7	67.7	68.7	69.1	69.4
1-800	48.3	55.7	59.7	65.2	67.8	68.4	71.3	72.4	72.9	73.4	73.8	73.9	73.9	74.1	74.2	74.5
1-600	48.8	55.9	60.8	66.5	69.1	69.7	72.9	74.0	74.4	75.1	75.4	75.5	75.5	75.7	75.8	76.1
1-400	51.1	58.6	64.2	70.1	73.0	73.5	76.8	78.2	78.4	79.0	79.4	79.5	79.5	79.7	79.8	80.1
1-200	54.0	62.0	68.6	75.2	78.1	78.6	81.8	83.7	83.4	84.1	84.4	84.5	84.5	84.7	84.9	85.2
1-000	54.2	62.3	69.1	76.5	79.6	80.2	83.7	84.9	85.4	86.7	86.3	86.5	86.5	86.7	86.8	87.1
1-800	54.4	62.5	69.5	76.9	80.1	80.9	84.7	86.1	86.6	87.2	87.5	87.6	87.6	87.8	88.7	88.3
1-600	54.6	62.8	70.7	77.5	81.1	81.8	86.1	87.7	88.2	88.8	89.1	89.2	89.2	89.5	89.6	89.9
1-400	54.7	63.7	70.4	78.3	81.8	82.7	87.7	88.6	89.7	89.8	90.1	90.2	90.2	90.4	90.5	90.9
1-200	55.4	63.8	71.2	79.2	83.1	84.0	88.8	91.0	91.4	92.2	92.5	92.6	92.6	92.9	92.9	93.2
1-000	55.4	63.8	71.5	80.3	84.2	85.1	90.2	92.6	93.7	93.9	94.2	94.3	94.3	94.5	94.6	94.9
1-800	55.7	64.1	71.8	81.1	84.9	85.9	91.5	94.5	95.2	96.2	96.6	96.7	96.7	96.9	97.7	97.1
1-600	55.7	64.1	71.8	81.3	85.2	86.1	91.4	94.8	95.5	96.6	96.9	97.0	97.0	97.2	97.4	97.7
1-400	55.7	64.1	71.8	81.3	85.2	86.1	91.4	94.8	95.5	96.7	97.1	97.2	97.2	97.4	98.4	98.9
1-200	55.7	64.1	71.8	81.3	85.2	86.1	91.4	94.8	95.5	96.7	97.1	97.2	97.2	97.6	98.8	99.7
1-000	55.7	64.1	71.8	81.3	85.2	86.1	91.4	94.8	95.6	96.8	97.2	97.3	97.7	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFS WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: LAKENHEATH PAF UK  
STATION NAME

74-87

MA

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

000-1000

CEILING (FEET)	VISIBILITY (STATUTE MILES)																									
	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
1000	13.9	16.8	18.3	21.7	21.7	21.9	22.2	22.2	22.7	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
900	19.6	23.0	25.1	28.4	29.6	29.8	30.7	30.2	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
800	27.1	23.5	25.6	28.9	31.1	30.3	30.5	30.8	30.8	30.8	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
700	21.2	23.7	25.7	29.1	31.2	30.4	30.6	30.9	30.9	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	31.1	31.1	31.1	31.1
600	20.5	24.4	26.6	29.9	31.2	31.4	31.5	31.8	31.8	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
500	21.7	25.8	28.1	31.6	32.0	33.1	33.3	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
400	22.2	26.2	28.5	32.0	33.7	33.5	33.8	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
300	24.8	29.2	32.7	36.1	37.4	37.6	38.0	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
200	25.8	31.4	33.2	37.8	39.1	39.4	39.7	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
100	25.8	30.4	33.2	37.8	39.2	39.5	39.8	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
0	26.1	30.9	33.9	38.6	40.3	40.8	41.1	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
5000	27.5	30.3	35.7	40.6	42.7	43.2	43.5	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
4500	32.3	35.9	38.9	44.9	47.1	47.8	48.4	48.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
4000	33.7	39.1	42.5	48.8	51.7	52.2	52.9	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
3500	40.4	46.8	51.6	57.4	59.9	61.9	61.6	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
3000	42.3	48.7	53.7	60.4	63.0	64.0	64.7	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2500	45.1	52.0	57.2	65.4	68.2	69.1	70.0	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
2000	45.6	52.7	58.7	66.1	69.9	69.9	70.8	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
1500	49.7	56.3	62.7	71.8	74.8	75.8	76.9	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1000	49.0	58.5	65.2	76.5	79.7	80.8	82.0	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
500	49.4	59.1	66.7	77.7	81.2	82.4	83.8	85.6	86.0	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
0	49.5	59.5	66.6	78.8	82.6	83.9	85.3	87.5	88.0	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
5000	49.6	60.1	67.2	80.4	84.8	86.1	88.0	91.3	91.7	92.0	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
4500	49.7	60.2	67.4	81.3	86.0	87.5	89.5	93.7	93.4	94.2	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
4000	49.7	60.2	67.5	81.7	86.6	88.7	91.1	94.0	94.5	95.5	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
3500	49.7	60.2	67.7	82.0	87.0	88.7	90.8	94.7	95.4	96.3	96.3	96.6	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
3000	49.7	60.2	67.7	82.0	87.0	88.7	90.9	95.4	96.0	97.1	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2500	49.7	60.2	67.7	82.0	87.0	88.7	90.9	95.5	96.3	97.7	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2000	49.7	60.2	67.7	82.0	87.0	88.7	90.9	95.5	96.3	97.7	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1500	49.7	60.2	67.7	82.0	87.0	88.7	90.9	95.5	96.3	97.7	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1000	49.7	60.2	67.7	82.0	87.0	88.7	90.9	95.5	96.3	97.7	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0	49.7	60.2	67.7	82.0	87.0	88.7	90.9	95.5	96.3	97.7	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAO

# CEILING VERSUS VISIBILITY

STATION: LAKENHEATH RAF UK  
 STATION NAME: LAKENHEATH

74-07

03

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1951-1952

UNIT: STATUTE MILES (HUNDREDS OF METERS)

CEILING	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
10	16.1	16.5	22.0	23.4	24.0	24.0	24.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
15	16.2	17.6	22.3	22.7	24.2	24.2	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
20	16.5	17.9	22.7	23.9	24.4	24.4	24.4	24.4	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
25	17.2	21.9	23.5	24.9	25.5	25.5	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
30	18.4	23.2	24.2	26.6	27.1	27.1	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
35	19.3	23.7	25.4	27.0	27.5	27.5	27.8	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
40	22.2	27.1	28.9	31.5	31.1	31.1	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
45	22.9	28.3	31.2	32.4	32.6	32.6	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
50	27.4	29.1	31.1	32.9	33.4	33.4	33.9	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
55	24.7	32.4	32.7	34.4	34.9	34.9	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
60	24.5	32.5	34.5	36.9	37.5	37.5	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
65	31.2	33.4	41.2	42.2	43.9	43.9	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
70	38.1	45.7	48.2	51.2	52.2	52.2	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
75	47.4	55.9	58.5	61.6	62.8	62.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
80	51.7	62.0	67.7	66.3	67.5	67.5	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
85	55.2	65.1	68.4	73.9	75.1	75.2	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
90	55.6	65.5	68.9	74.7	76.2	76.7	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
95	62.2	71.8	74.8	81.1	82.9	83.1	83.8	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
100	62.0	73.0	77.6	85.3	87.7	88.2	89.2	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
105	62.4	73.8	73.6	86.8	89.5	89.9	91.5	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
110	62.5	74.1	79.1	87.6	91.3	90.9	92.5	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
115	62.6	74.5	79.2	89.9	91.9	92.7	94.4	96.2	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
120	62.7	74.6	79.8	89.2	92.5	93.1	95.3	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
125	62.8	74.7	79.9	89.6	93.0	93.5	95.8	97.6	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
130	62.8	74.7	79.9	89.6	93.0	93.5	95.9	97.8	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
135	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
140	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
145	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
150	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
155	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
160	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
165	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
170	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
175	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
180	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
185	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
190	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
195	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
200	62.8	74.7	79.9	89.6	93.0	93.5	95.9	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 230

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

STATION: LAKENHEATH RAF UK

74-87

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1505-1700

CEILING (FEET)	VISIBILITY: STATUTE MILES												OR (HUNDREDS OF METERS)											
	2 1/2	3	4	5	6	7	8	9	10	12	15	20	400	500	600	700	800	900	1000	1200	1500	2000		
000	15.8	19.5	27.1	21.2	21.5	21.5	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7			
500	21.9	26.5	27.2	28.7	29.5	29.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8			
1000	21.9	26.6	27.3	28.9	29.7	29.7	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0			
1500	21.9	26.7	27.4	29.0	29.8	29.8	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1			
2000	22.2	26.9	27.6	29.2	30.0	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3			
2500	23.1	28.1	28.8	30.4	31.2	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5			
3000	23.9	29.2	29.9	31.7	32.5	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9			
3500	24.3	29.2	31.0	32.7	33.4	33.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9			
4000	29.6	34.4	35.2	37.0	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1			
4500	39.1	34.9	35.7	37.8	38.6	38.6	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0			
5000	29.5	35.3	36.1	38.2	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2			
5500	31.3	37.3	39.1	40.3	41.1	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4			
6000	33.5	40.2	41.1	43.3	44.1	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4			
6500	32.8	47.3	48.3	50.9	51.8	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2			
7000	45.5	54.5	55.3	58.4	59.3	59.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9			
7500	53.7	62.2	63.0	67.3	68.3	68.3	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1			
8000	56.3	66.6	68.8	72.8	74.3	74.3	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9			
8500	61.3	71.3	74.3	78.7	80.6	80.6	80.9	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5			
9000	61.3	72.5	75.4	80.5	82.6	82.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4			
9500	63.8	75.2	78.5	84.3	86.8	86.8	87.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2			
10000	65.3	77.3	81.3	88.2	90.0	90.0	91.3	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			
10500	65.4	77.4	81.5	88.4	91.2	91.2	91.6	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0			
11000	65.4	77.5	81.6	88.6	91.5	91.5	91.9	93.9	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3			
11500	65.5	77.8	82.2	89.5	92.8	92.8	93.3	95.5	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0			
12000	65.6	78.0	82.4	90.3	93.7	93.7	94.2	96.5	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2			
12500	65.6	78.0	82.4	90.3	93.8	93.8	94.3	96.6	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3			
13000	65.6	78.0	82.4	90.5	94.1	94.1	94.7	97.1	98.5	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1			
13500	65.6	78.1	82.4	90.5	94.1	94.1	94.7	97.1	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2			
14000	65.6	78.1	82.4	90.5	94.1	94.1	94.7	97.1	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2			
14500	65.6	78.0	82.4	90.5	94.1	94.1	94.7	97.1	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2			
15000	65.6	78.0	82.4	90.5	94.1	94.1	94.7	97.1	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2			

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7931  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-87  
YEAR

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1810-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	200	200	250	250	250	250	250	250	250	250	250	250	250	250	250	250
	GE07	GE07	GE08	GE08	GE08	GE08	GE08	GE08	GE08	GE08	GE08	GE08	GE08	GE08	GE08	GE08
	200	200	250	250	250	250	250	250	250	250	250	250	250	250	250	250
200	24.2	29.2	29.9	31.1	31.7	31.7	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
200	22.9	34.6	35.9	37.5	38.3	38.3	39.1	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
200	29.8	34.6	35.9	37.5	38.3	38.3	39.1	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
200	28.8	34.6	35.9	37.5	38.3	38.3	39.1	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
200	28.9	34.7	36.0	37.6	38.4	38.4	39.2	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
200	29.4	35.5	37.0	38.7	39.5	39.5	40.3	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
200	30.6	36.8	38.4	40.1	40.9	40.9	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
200	31.3	37.8	39.5	41.2	41.9	41.9	42.8	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
200	35.2	42.5	44.7	46.5	46.9	46.3	47.6	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
200	36.2	43.7	45.7	47.4	48.2	48.2	49.0	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
200	36.6	44.0	46.0	47.7	48.6	48.6	49.5	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
200	33.7	46.2	48.3	50.2	51.1	51.1	51.9	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
200	41.9	48.9	52.2	54.2	55.4	55.4	56.2	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
200	45.1	54.7	57.7	59.0	60.7	60.2	61.1	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
200	49.9	58.6	61.1	63.2	64.6	64.6	65.5	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
200	54.7	63.2	66.1	68.9	70.6	70.6	71.5	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
200	55.9	65.4	68.6	72.2	74.0	74.0	74.8	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
200	57.3	66.7	70.7	73.8	75.8	75.8	76.6	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
200	58.2	69.1	73.1	76.7	78.9	78.9	79.7	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
200	59.7	71.5	76.6	80.7	84.8	84.8	86.5	87.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
200	61.4	73.2	79.0	86.2	89.6	89.6	91.0	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
200	61.7	73.5	79.7	87.0	89.5	89.5	92.0	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
200	61.7	73.7	79.9	87.3	89.8	89.8	92.2	92.7	93.8	94.4	94.5	94.5	94.5	94.5	94.5	94.5
200	61.9	73.9	80.2	88.1	90.9	91.3	93.8	95.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
200	61.9	74.0	81.1	89.0	92.2	92.9	95.5	96.9	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
200	61.9	74.0	81.1	89.1	92.3	93.0	95.6	97.4	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
200	61.9	74.0	81.1	89.4	92.5	93.2	96.1	98.0	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
200	61.7	74.0	81.2	89.5	92.6	93.3	96.2	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
200	61.9	74.0	81.2	89.5	92.6	93.3	96.2	98.1	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
200	61.9	74.0	81.2	89.5	92.6	93.3	96.2	98.2	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
200	61.9	74.0	81.2	89.5	92.6	93.3	96.2	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
200	61.9	74.0	81.2	89.5	92.6	93.3	96.2	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
200	61.9	74.0	81.2	89.5	92.6	93.3	96.2	98.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION LAKEWHEATH DAF JK STATION NAME

74-27 YEAR

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

100-2300 SKY

CEILING FEET	VISIBILITY - STATUTE MILES																			
	20	26	25	24	23	22	22	21	21	21	20	20	20	20	20	20	20	20	20	20
	OF (HUNDREDS OF METERS)																			
10000	29.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	
8000	31.3	36.6	37.7	39.9	47.8	41.1	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	
6000	31.3	36.6	37.7	39.9	47.8	41.1	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	
4000	31.3	36.6	37.7	39.9	47.8	41.1	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	
2000	32.7	37.4	38.6	47.8	41.6	41.9	42.9	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.8	
1000	32.9	38.3	39.5	41.6	42.5	42.8	43.8	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.6	
800	33.9	39.4	40.5	42.7	43.5	43.9	44.9	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	
600	36.9	42.4	43.7	45.9	46.8	47.1	48.2	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	
400	37.5	43.2	44.5	46.9	47.7	48.1	49.1	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	
200	37.5	43.2	44.5	46.9	47.7	48.1	49.1	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	
100	37.5	43.2	44.5	46.9	47.7	48.1	49.1	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	
8000	47.9	46.9	48.7	50.9	51.7	52.0	53.3	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	
6000	45.3	51.5	53.3	55.9	56.8	57.1	59.4	59.1	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	
4000	47.2	56.7	58.4	61.3	62.5	62.9	64.2	64.9	65.7	65.3	65.7	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	
2000	52.5	59.6	67.7	65.6	66.8	67.2	69.5	69.2	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	
1000	54.8	62.4	64.9	68.8	72.0	70.4	71.7	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	
800	58.1	66.7	70.3	74.6	75.9	76.3	77.6	78.4	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	
600	58.5	67.1	71.8	75.4	76.7	77.1	78.5	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	
400	63.0	72.8	77.8	83.3	84.8	85.3	87.0	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	
200	64.0	74.1	80.1	86.2	88.1	88.5	90.2	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	
100	64.2	74.3	87.6	86.8	88.6	89.1	93.0	91.9	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	
8000	64.3	74.4	81.0	87.3	89.4	90.2	91.9	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	
6000	64.6	74.9	81.6	88.4	97.6	91.6	94.7	95.7	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	
4000	64.7	75.2	81.8	88.6	97.9	91.8	94.2	96.1	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	
2000	64.7	75.3	82.0	89.1	91.5	92.5	94.9	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	
1000	64.7	75.3	82.0	89.1	91.5	92.5	95.1	97.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	
800	64.7	75.3	82.0	89.1	91.5	92.5	95.1	97.1	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	
600	64.7	75.3	82.0	89.1	91.5	92.5	95.1	97.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	
400	64.7	75.3	82.0	89.1	91.5	92.5	95.1	97.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	
200	64.7	75.3	82.0	89.1	91.5	92.5	95.1	97.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	
100	64.7	75.3	82.0	89.1	91.5	92.5	95.1	97.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: 75931 LAKENHEATH RAF UK YEARS: 74-83 MONTH: MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)																			
	210	200	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
10000	19.7	23.7	25.1	27.0	27.7	27.9	28.6	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
8000	23.3	28.2	29.9	32.3	33.2	33.4	34.3	34.7	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
6000	23.8	28.2	30.7	32.3	33.2	33.4	34.4	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
4000	23.9	28.3	30.1	32.4	33.3	33.5	34.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
2000	24.3	29.9	30.7	33.1	34.0	34.2	35.2	35.7	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
1000	25.2	29.9	31.8	34.3	35.2	35.4	36.3	36.9	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
800	25.9	30.7	32.6	35.1	35.0	36.2	37.2	37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
600	29.3	34.3	36.4	39.1	40.1	40.3	41.3	41.8	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
500	31.7	37.1	39.5	42.4	43.4	43.7	44.7	45.3	45.4	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
4500	33.9	39.6	42.0	45.3	46.5	46.8	47.9	48.6	48.7	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
4000	38.3	44.5	47.1	50.7	52.0	52.4	53.6	54.3	54.4	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
3500	42.3	49.0	51.8	55.9	57.4	57.8	59.1	59.8	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
3000	47.1	54.4	57.5	62.0	63.6	64.0	65.3	66.1	66.2	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2500	49.4	57.0	60.5	65.5	67.3	67.7	69.0	69.8	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2000	52.5	61.0	65.4	71.1	73.1	73.5	75.0	75.9	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
1800	53.1	61.6	66.1	72.1	74.1	74.6	76.2	77.0	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
1500	55.5	64.5	69.7	76.2	78.4	78.9	80.7	81.6	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
1200	57.3	66.9	72.8	80.3	82.8	83.4	85.5	86.6	86.9	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1000	57.7	67.5	73.8	81.7	84.4	85.0	87.3	88.5	88.9	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
900	57.9	67.7	74.2	82.3	85.1	85.8	88.2	89.7	90.1	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
800	58.0	68.0	74.7	83.2	86.4	87.2	89.9	91.7	92.2	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
700	58.1	68.2	75.1	84.0	87.4	88.4	91.2	93.2	93.7	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
600	58.3	68.4	75.3	84.4	87.9	88.9	92.0	94.2	94.8	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
500	58.3	68.5	75.5	85.0	88.6	89.7	92.9	95.4	96.0	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
400	58.4	68.5	75.6	85.2	88.8	89.9	93.2	95.9	96.7	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
300	58.4	68.5	75.6	85.3	88.8	89.9	93.3	96.0	96.9	97.6	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
200	58.4	68.5	75.6	85.3	88.9	89.9	93.3	96.1	96.9	97.7	98.1	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
100	58.4	68.5	75.6	85.3	88.9	89.9	93.3	96.1	96.9	97.7	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	58.4	68.5	75.6	85.3	88.9	89.9	93.3	96.1	96.9	97.7	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: LAKENHEATH RAF UK

YEAR: 74-67

180

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

333-3300

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
	GE9	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1	GE1	GE1	GE1	GE1	GE1	GE1	GE1	GE1	GE1	GE1
NO CEILING	26.9	31.7	35.1	37.4	37.8	37.8	39.1	39.4	39.4	39.8	39.9	39.9	40.7	40.2	40.2	40.7				
≥ 20000	31.7	36.8	40.2	42.8	43.2	43.2	44.6	44.9	44.9	45.3	45.4	45.4	45.6	45.8	45.8	46.2				
≥ 18000	31.7	36.8	40.2	42.8	43.2	43.2	44.6	44.9	44.9	45.3	45.4	45.4	45.6	45.8	45.8	46.2				
≥ 16000	31.7	36.8	40.2	42.8	43.2	43.2	44.6	44.9	44.9	45.3	45.4	45.4	45.6	45.8	45.8	46.2				
≥ 14000	31.7	36.8	40.2	42.8	43.2	43.2	44.6	44.9	44.9	45.3	45.4	45.4	45.6	45.8	45.8	46.2				
≥ 12000	31.7	36.8	40.2	42.8	43.2	43.2	44.6	44.9	44.9	45.3	45.4	45.4	45.6	45.8	45.8	46.2				
≥ 10000	32.7	37.9	41.6	44.1	44.6	44.6	45.9	46.2	46.2	46.7	46.8	46.8	46.9	47.1	47.1	47.6				
≥ 9000	32.9	38.1	41.9	44.3	44.8	44.8	46.1	46.4	46.4	46.9	47.0	47.0	47.1	47.3	47.3	47.8				
≥ 8000	35.8	41.0	44.8	48.1	49.0	49.0	50.3	50.7	50.7	51.1	51.7	51.2	51.3	51.6	51.6	52.0				
≥ 7000	36.7	41.4	45.2	48.6	49.4	49.4	50.8	51.1	51.1	51.6	51.7	51.7	51.8	52.0	52.0	52.4				
≥ 6000	36.7	42.1	46.2	49.6	50.4	50.4	51.8	52.1	52.1	52.6	52.7	52.7	52.8	53.0	53.0	53.4				
≥ 5000	37.8	43.2	47.3	51.1	52.0	52.0	53.7	54.0	54.0	54.4	54.6	54.6	54.7	54.9	54.9	55.3				
≥ 4500	40.8	46.3	50.4	54.8	56.2	56.3	58.1	58.4	58.4	58.9	59.0	59.0	59.1	59.3	59.3	59.8				
≥ 4000	45.6	51.9	56.9	61.4	63.1	63.2	65.0	65.3	65.3	65.8	65.9	65.9	66.0	66.2	66.2	66.7				
≥ 3500	47.6	54.9	59.9	64.7	66.3	66.4	68.2	68.6	68.6	69.0	69.1	69.1	69.2	69.4	69.4	69.9				
≥ 3000	51.9	59.9	66.0	71.1	72.8	72.9	74.8	75.1	75.1	75.6	75.7	75.7	75.8	76.0	76.0	76.4				
≥ 2500	54.1	62.4	69.2	74.6	76.2	76.3	78.2	78.6	78.6	79.3	79.4	79.4	79.6	79.8	79.8	80.2				
≥ 2000	57.7	66.8	73.6	79.3	81.2	81.3	83.2	83.6	83.6	84.4	84.6	84.6	84.7	84.9	84.9	85.3				
≥ 1800	57.9	67.2	74.0	79.9	81.8	81.9	83.8	84.1	84.1	85.0	85.1	85.1	85.2	85.4	85.4	85.9				
≥ 1500	59.3	68.7	75.8	81.8	83.9	84.0	85.9	86.2	86.2	87.1	87.2	87.2	87.3	87.6	87.6	88.0				
≥ 1200	60.6	70.2	77.8	84.0	86.2	86.3	88.2	88.6	88.6	89.4	89.6	89.6	89.7	89.9	89.9	90.3				
≥ 1000	61.4	71.2	78.9	85.4	87.7	87.8	89.7	90.0	90.0	90.9	91.0	91.0	91.1	91.3	91.3	91.8				
≥ 900	61.7	71.6	79.7	85.8	88.0	88.1	90.0	90.3	90.3	91.2	91.3	91.3	91.4	91.7	91.7	92.1				
≥ 800	62.6	72.4	80.2	86.9	89.2	89.3	91.4	92.0	92.0	92.9	93.0	93.0	93.1	93.3	93.3	93.8				
≥ 700	62.8	73.3	80.8	87.8	90.1	90.2	92.3	92.9	92.9	93.8	93.9	93.9	94.0	94.2	94.2	94.7				
≥ 600	62.8	73.4	81.3	88.7	91.0	91.2	93.4	94.1	94.1	95.0	95.1	95.1	95.2	95.4	95.4	95.9				
≥ 500	63.0	73.7	81.7	89.4	91.9	92.2	94.8	95.7	95.8	96.7	96.8	96.8	96.9	97.1	97.1	97.6				
≥ 400	63.0	73.7	81.7	89.7	92.2	92.6	95.2	96.4	96.6	97.4	97.6	97.6	97.7	97.9	97.9	98.3				
≥ 300	63.0	73.7	81.7	89.7	92.2	92.6	95.3	96.7	96.8	97.8	98.1	98.2	98.3	98.6	98.6	99.0				
≥ 200	63.0	73.7	81.7	89.7	92.2	92.6	95.3	96.7	96.8	97.9	98.2	98.3	98.4	98.9	98.9	99.6				
≥ 100	63.0	73.7	81.7	89.7	92.2	92.6	95.3	96.7	96.8	97.9	98.2	98.3	98.7	99.1	99.2	100.0				
≥ 0	63.0	73.7	81.7	89.7	92.2	92.6	95.3	96.7	96.8	97.9	98.2	98.3	98.7	99.1	99.2	100.0				

TOTAL NUMBER OF OBSERVATIONS: 970

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

135931 LAKENHEATH RAF UK

74-87

APZ

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

320-3500

CEILING FEET	VISIBILITY STATUTE MILES																OP (HUNDREDS OF METERS)			
	5T9	5T00	6E87	6E40	6E4R	6E47	6E37	6E24	6E27	6E16	6E10	6E10	6E39	6E35	6E34	6E0				
NO CEILING	18.9	22.0	24.7	29.2	29.4	29.9	31.3	37.2	32.3	32.7	32.9	33.7	33.1	33.4	33.6	34.2				
≥ 20000	22.2	25.6	28.6	33.3	33.7	34.1	35.6	36.4	36.6	37.7	37.2	37.3	37.4	37.9	39.7	38.7				
≥ 18000	22.2	25.6	28.6	33.3	33.7	34.1	35.6	36.4	36.6	37.7	37.2	37.3	37.4	37.9	39.7	38.7				
≥ 16000	22.2	25.6	28.6	33.3	33.7	34.1	35.6	36.4	36.6	37.7	37.2	37.3	37.4	37.9	39.7	38.7				
≥ 14000	22.2	25.6	28.6	33.3	33.7	34.1	35.6	36.4	36.6	37.7	37.2	37.3	37.4	37.9	39.7	38.7				
≥ 12000	22.2	25.6	28.6	33.3	33.7	34.1	35.6	36.4	36.6	37.7	37.2	37.3	37.4	37.9	39.7	38.7				
≥ 10000	22.6	26.2	29.6	34.4	34.8	35.2	36.8	37.7	37.8	38.2	38.4	38.6	38.7	39.1	39.2	39.9				
≥ 9000	22.8	26.4	29.9	34.9	35.2	35.7	37.2	38.1	38.2	38.7	38.9	39.7	39.1	39.6	39.7	42.3				
≥ 8000	25.8	29.7	33.2	38.9	39.4	39.9	41.7	42.7	42.8	43.2	43.4	43.6	43.7	44.1	44.2	44.9				
≥ 7000	26.7	30.4	34.1	40.0	40.6	41.0	42.9	43.9	44.7	44.4	44.7	44.8	44.9	45.3	45.4	46.1				
≥ 6000	26.1	30.8	34.4	40.3	40.9	41.3	43.2	44.2	44.3	44.8	45.7	45.1	45.2	45.7	45.8	46.4				
≥ 5000	28.6	33.3	37.2	43.3	43.9	44.3	46.2	47.2	47.3	48.1	48.3	48.4	48.6	49.7	49.1	49.8				
≥ 4500	31.1	36.3	40.8	47.0	47.6	48.3	50.6	51.6	51.7	52.4	52.7	52.8	52.9	53.3	53.4	54.1				
≥ 4000	35.7	41.6	46.7	53.3	54.2	55.0	57.3	58.4	58.6	59.3	59.6	59.7	59.8	60.2	60.3	61.7				
≥ 3500	37.6	44.1	49.2	56.7	57.6	58.3	60.8	61.9	62.7	62.8	63.0	63.1	63.2	63.7	63.8	64.4				
≥ 3000	40.7	48.0	53.7	61.7	63.7	63.8	66.6	67.9	69.7	69.3	69.4	69.6	69.6	70.7	70.2	70.9				
≥ 2500	43.2	51.4	57.4	66.1	67.6	68.3	71.1	72.4	72.6	73.7	74.7	74.1	74.2	74.9	75.7	75.7				
≥ 2000	46.9	56.7	62.8	72.1	73.7	74.4	77.2	78.8	78.9	80.0	80.4	80.6	80.7	81.3	81.4	82.1				
≥ 1800	46.9	56.7	62.8	72.2	73.8	74.6	77.3	78.9	79.7	80.1	80.6	80.7	80.9	81.4	81.6	82.2				
≥ 1500	49.4	59.2	65.7	75.6	77.1	77.9	81.7	82.2	82.3	83.4	83.9	84.0	84.1	84.8	84.9	85.6				
≥ 1200	50.4	60.6	67.2	77.6	79.2	80.0	82.9	84.4	84.6	85.7	86.1	86.2	86.3	87.0	87.1	87.8				
≥ 1000	50.7	60.8	67.6	78.0	79.7	80.4	83.4	85.7	85.1	86.2	86.7	86.8	86.9	87.6	87.7	88.3				
≥ 900	51.2	61.3	68.2	78.9	80.6	81.3	84.3	85.9	86.7	87.1	87.6	87.7	87.8	88.4	88.6	89.2				
≥ 800	51.6	61.7	68.8	79.8	81.6	82.3	85.4	87.0	87.1	88.2	88.7	88.8	88.9	89.6	89.7	90.3				
≥ 700	51.6	61.7	68.8	79.9	81.7	82.4	85.8	87.4	87.6	88.7	89.1	89.2	89.3	90.0	90.1	90.8				
≥ 600	52.9	62.4	69.6	80.9	82.7	83.6	87.2	89.3	89.4	90.6	91.7	91.1	91.2	91.9	92.0	92.7				
≥ 500	52.1	62.6	70.7	81.4	83.4	84.3	88.6	90.7	90.9	92.1	92.6	92.7	92.8	93.4	93.6	94.2				
≥ 400	52.1	62.8	70.2	82.0	84.0	84.9	89.8	92.3	92.6	93.8	94.2	94.3	94.4	95.1	95.2	95.9				
≥ 300	52.1	62.8	70.2	82.0	84.2	85.1	90.7	93.6	93.9	95.4	96.2	96.3	97.0	97.8	98.0	99.0				
≥ 200	52.1	62.8	70.2	82.0	84.2	85.1	91.7	93.6	93.9	95.4	96.2	96.3	97.0	97.9	98.3	100.0				
≥ 100	52.1	62.8	70.2	82.0	84.2	85.1	91.7	93.6	93.9	95.4	96.2	96.3	97.0	97.9	98.3	100.0				
≥ 0	52.1	62.8	70.2	82.0	84.2	85.1	91.7	93.6	93.9	95.4	96.2	96.3	97.0	97.9	98.3	100.0				

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35831  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

74-83  
 YEAR

APC  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

500-5000  
 SOURCE

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
≥20000	12.9	17.2	19.4	23.4	24.9	24.9	26.1	27.3	27.6	28.3	28.3	28.3	28.4	28.6	28.7	28.9	29.0			
18000	15.3	20.3	23.1	29.3	32.7	30.0	31.6	33.1	33.3	34.1	34.1	34.2	34.3	34.4	34.7	34.8				
16000	15.8	20.8	23.6	28.8	32.4	30.4	32.0	33.6	33.8	34.6	34.6	34.7	34.8	34.9	35.1	35.2				
14000	15.8	20.8	23.6	28.8	32.4	30.4	32.0	33.6	33.8	34.6	34.6	34.7	34.8	34.9	35.1	35.2				
12000	15.9	20.8	23.7	29.0	32.7	30.7	32.2	33.8	34.0	34.8	34.8	34.9	35.0	35.1	35.3	35.4				
10000	16.3	21.6	24.4	30.1	31.8	31.8	33.3	34.9	35.1	35.9	35.9	36.0	36.1	36.2	36.4	36.6				
8000	16.6	21.8	24.7	30.3	32.1	32.1	33.8	35.3	35.6	36.3	36.3	36.4	36.6	36.7	36.9	37.0				
6000	18.1	23.4	26.6	33.6	35.6	35.7	37.3	39.9	39.1	39.9	39.9	40.0	40.1	40.2	40.4	40.6				
5000	19.8	25.3	28.4	36.1	38.2	38.3	41.1	41.7	41.9	42.7	42.7	42.8	42.9	43.0	43.2	43.3				
4500	20.0	25.6	28.8	36.7	38.9	39.0	41.2	42.8	43.0	43.9	43.9	44.0	44.1	44.2	44.4	44.6				
4000	21.3	27.1	30.7	39.2	41.4	41.6	43.8	45.3	45.6	46.6	46.6	46.9	47.0	47.1	47.3	47.4				
3500	23.4	30.1	34.3	43.9	46.3	46.7	49.1	51.1	51.3	52.3	52.3	52.7	52.8	52.9	53.1	53.2				
3000	26.7	34.6	39.7	50.1	52.7	53.0	55.4	57.8	58.0	59.6	59.6	59.9	60.0	60.1	60.3	60.4				
2500	29.2	37.7	43.0	54.1	56.9	57.2	59.8	62.3	62.6	64.1	64.1	64.4	64.6	64.7	64.9	65.0				
2000	32.3	41.8	47.6	58.8	61.9	62.3	65.3	68.4	68.7	70.3	70.3	70.7	70.8	70.9	71.1	71.2				
1800	35.6	45.4	51.4	63.1	66.3	66.8	69.9	73.0	73.2	74.9	74.9	75.2	75.3	75.4	75.7	75.8				
1500	38.8	50.0	56.3	69.0	72.3	72.8	75.9	79.0	79.2	81.0	81.0	81.3	81.4	81.6	81.8	81.9				
1200	39.1	50.8	57.1	69.8	73.1	73.6	76.7	79.8	80.0	81.8	81.8	82.1	82.2	82.3	82.6	82.7				
1000	40.3	52.4	59.0	72.2	75.9	76.4	79.7	82.8	83.0	84.8	84.8	85.1	85.2	85.3	85.6	85.7				
900	40.8	53.1	59.7	73.3	77.1	77.8	81.0	84.1	84.3	86.1	86.1	86.4	86.6	86.7	86.9	87.0				
800	41.1	53.7	60.2	74.3	78.1	78.9	82.1	85.2	85.4	87.2	87.2	87.6	87.7	87.8	88.0	88.1				
700	41.2	54.0	60.7	74.9	78.8	79.6	82.9	86.1	86.3	88.1	88.1	88.4	88.6	88.7	88.9	89.0				
600	41.6	54.3	61.2	75.9	79.8	80.6	84.0	87.2	87.4	89.2	89.2	89.6	89.7	89.8	90.0	90.1				
500	41.7	54.4	61.3	76.2	80.2	81.0	84.7	88.0	88.2	90.0	90.0	90.3	90.4	90.6	90.8	90.9				
400	41.8	54.6	61.4	76.6	80.6	81.3	85.0	88.7	89.1	91.0	91.0	91.2	91.6	91.7	91.8	92.0				
300	42.0	54.9	61.8	77.0	81.0	81.8	85.8	90.9	91.8	94.7	94.7	95.2	95.8	95.9	96.4	96.8				
200	42.0	54.9	61.8	77.0	81.0	81.8	85.8	90.9	91.8	94.8	94.8	95.3	95.9	96.6	97.7	98.3				
100	42.0	54.9	61.8	77.0	81.0	81.8	85.8	90.9	91.8	94.8	94.8	95.4	96.0	96.7	97.8	98.4				
0	42.0	54.9	61.8	77.0	81.0	81.8	85.8	90.9	91.8	94.8	94.8	95.4	96.0	96.7	97.8	98.4				

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

038931 LAKENHEATH RAF UK 74-83 APR 1974

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

930-1100

CEILING FEET	VISIBILITY STATUTE MILES																100 (HUNDREDS OF METERS)							
	≥10 GE0	≥8 GE2	≥6 GE4	≥5 GE5	≥4 GE6	≥3 GE8	≥2.5 GE10	≥2 GE12	≥1.5 GE15	≥1.2 GE18	≥1 GE20	≥0.8 GE24	≥0.6 GE30	≥0.5 GE40	≥0.4 GE60	≥0.3 GE80	≥0.2 GE120	≥0.1 GE200	≥0.1 GE100	≥0.1 GE75	≥0.1 GE60	≥0.1 GE45		
≥20000	17.1	20.7	22.6	25.0	25.3	25.6	26.1	26.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	
≥18000	20.6	24.9	27.7	30.4	30.9	31.1	31.7	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	
≥16000	21.1	25.2	27.3	30.8	31.2	31.4	32.0	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	
≥14000	21.2	25.3	27.4	30.9	31.3	31.6	32.1	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	
≥12000	21.3	25.4	27.7	31.1	31.7	31.9	32.4	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	
≥10000	22.0	26.1	28.6	32.0	32.6	32.8	33.3	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	
≥9000	22.3	26.7	29.1	32.6	33.1	33.3	33.9	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	
≥8000	24.4	28.8	31.3	35.3	36.0	36.2	36.9	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	
≥7000	25.7	29.4	32.1	36.4	37.2	37.4	38.0	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	
≥6000	25.4	30.1	32.8	37.2	38.3	38.6	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	
≥5000	27.2	32.2	35.1	40.0	41.2	41.6	42.1	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	
≥4500	29.2	34.8	37.7	43.1	44.7	45.0	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	
≥4000	34.3	40.9	44.1	49.7	51.2	51.6	52.3	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
≥3500	38.1	45.0	48.4	54.7	56.6	56.9	57.7	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
≥3000	47.6	56.6	60.4	67.4	69.4	69.8	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	
≥2500	51.6	61.9	65.9	72.9	74.9	75.2	76.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	
≥2000	55.9	67.6	71.7	79.2	81.4	81.8	83.0	83.6	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	
≥1800	56.6	68.7	72.9	80.4	82.7	83.3	84.2	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	
≥1500	59.3	72.4	76.9	84.8	87.1	87.8	88.7	89.2	89.3	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	
≥1200	60.4	74.0	78.8	87.1	89.6	90.2	91.2	91.8	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	
≥1000	60.7	74.3	79.3	88.2	90.8	91.4	92.7	93.2	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
≥900	67.8	74.6	79.9	88.8	91.3	92.0	93.2	93.8	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
≥800	67.8	74.7	79.9	89.0	91.6	92.2	93.7	94.2	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
≥700	61.0	75.0	80.3	89.6	92.4	93.2	94.7	95.6	95.7	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	
≥600	61.0	75.0	80.3	89.6	92.4	93.2	94.7	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
≥500	61.0	75.0	80.3	89.8	92.7	93.4	95.1	96.9	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
≥400	61.0	75.0	80.3	89.8	92.8	93.6	95.3	97.4	97.6	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
≥300	61.0	75.0	80.3	89.8	92.8	93.6	95.3	97.4	97.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
≥200	61.0	75.0	80.3	89.8	92.8	93.6	95.3	97.4	97.6	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
≥100	61.0	75.0	80.3	89.8	92.8	93.6	95.3	97.4	97.6	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
≥0	61.0	75.0	80.3	89.8	92.8	93.6	95.3	97.4	97.6	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	

TOTAL NUMBER OF OBSERVATIONS 970

USAF ETAC FORM 2074-4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

128711 LAKENHEATH RAF UK

74-87

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO. CEILING	17.8	23.3	23.7	25.0	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 20000	22.6	28.2	28.7	30.3	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
IVN 18000	22.6	28.2	28.7	30.3	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
IVN 16000	22.6	28.2	28.7	30.3	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
IVN 14000	22.7	28.3	28.8	30.4	31.1	31.1	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
IVN 12000	22.9	28.6	29.7	30.7	31.3	31.3	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
IVN 10000	24.1	30.1	30.6	32.2	32.9	32.9	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
IVN 9000	24.3	30.6	31.0	32.8	33.4	33.4	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
IVN 8000	25.9	32.1	32.7	34.4	35.1	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
IVN 7000	26.7	32.9	33.4	35.2	36.0	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IVN 6000	26.8	33.1	33.7	35.6	36.3	36.3	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
IVN 5000	28.7	35.7	36.4	38.3	39.1	39.1	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IVN 4500	32.1	39.3	40.1	42.4	43.2	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IVN 4000	47.3	49.3	57.7	53.2	54.7	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IVN 3500	48.7	57.6	59.9	62.3	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IVN 3000	59.1	70.4	72.3	76.1	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IVN 2500	64.6	76.9	79.0	83.1	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IVN 2000	67.9	81.3	83.6	88.2	89.3	89.3	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IVN 1800	68.6	82.8	85.2	90.0	91.1	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IVN 1500	69.6	84.1	86.9	91.8	92.9	92.9	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IVN 1200	70.3	85.2	88.1	94.1	95.4	95.4	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
IVN 1000	70.3	85.2	88.3	94.9	96.4	96.4	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3
IVN 900	77.3	85.2	88.3	95.1	96.8	96.8	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
IVN 800	77.4	85.3	88.7	95.8	97.6	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
IVN 700	77.4	85.3	88.7	95.9	97.8	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
IVN 600	70.4	85.3	88.7	96.0	97.9	98.1	98.8	99.3	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7
IVN 500	77.4	85.3	88.7	96.0	98.0	98.2	98.9	99.4	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
IVN 400	77.4	85.3	88.7	96.0	98.0	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IVN 300	77.4	85.3	88.7	96.0	98.0	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IVN 200	77.4	85.3	88.7	96.0	98.0	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IVN 100	70.4	85.3	88.7	96.0	98.0	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IVN 0	70.4	85.3	88.7	96.0	98.0	98.2	98.9	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

075831 LAKENHEATH RAF UK

74-83

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)				
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	
≥ 2000	19.6	25.1	26.0	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
≥ 1800	26.7	32.3	33.6	34.9	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 1600	26.7	32.3	33.6	34.9	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 1400	26.7	32.3	33.6	34.9	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 1200	27.4	33.3	34.6	36.2	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 1000	27.4	33.8	35.0	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 800	37.9	37.4	39.7	42.3	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 700	32.6	39.1	40.3	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 600	32.8	39.3	40.8	42.6	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 500	36.0	42.6	44.0	45.8	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 4500	39.3	46.1	48.0	50.1	50.3	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 4000	49.3	56.8	59.7	62.1	62.3	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 3500	55.0	64.2	67.6	70.4	70.7	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	64.8	75.6	79.1	82.3	82.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500	67.7	79.0	82.7	86.6	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	69.8	81.8	85.9	90.2	90.8	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	70.3	82.7	86.8	91.4	92.0	92.1	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	72.7	83.3	88.1	92.9	93.4	93.5	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	71.2	84.2	89.6	95.0	95.6	95.8	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1000	71.3	84.4	90.0	95.9	96.7	96.9	97.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	71.3	84.4	90.1	96.0	96.8	97.0	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	71.3	84.4	90.3	96.3	97.3	97.6	98.0	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
≥ 700	71.3	84.4	90.3	96.4	97.6	97.8	98.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	71.3	84.4	90.3	96.4	97.6	97.9	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	71.3	84.4	90.3	96.4	97.6	97.9	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	71.3	84.4	90.3	96.4	97.6	97.9	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	71.3	84.4	90.3	96.4	97.6	97.9	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	71.3	84.4	90.3	96.4	97.6	97.9	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	71.3	84.4	90.3	96.4	97.6	97.9	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	71.3	84.4	90.3	96.4	97.6	97.9	98.7	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION NO. 145831 STATION NAME LAKEHHEATH RAF UK

YEAR 74-87

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

87-2-0000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
1 2000	26.3	31.8	33.8	35.1	35.3	35.3	35.3	35.4	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
2 2000	33.5	39.9	42.1	44.7	44.3	44.3	44.3	44.4	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
1 1800	33.8	40.1	42.3	44.2	44.6	44.6	44.6	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
2 1800	33.8	40.3	42.6	44.4	44.8	44.8	44.8	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
1 1600	35.2	41.9	44.7	46.3	46.7	46.7	46.7	46.8	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2 1600	35.8	42.4	44.9	47.2	47.8	47.8	47.8	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
1 1400	38.6	45.8	48.3	51.9	51.4	51.4	51.4	51.6	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
2 1400	39.6	46.9	49.6	52.1	52.7	52.7	52.7	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
1 1200	39.8	47.1	49.8	52.4	53.0	53.0	53.0	53.2	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
2 1200	41.0	49.4	52.1	55.3	55.9	55.9	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	56.4
1 1000	45.2	53.2	56.0	59.4	62.1	60.1	62.0	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
2 1000	52.7	61.7	65.0	69.0	69.8	69.8	69.9	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
1 800	56.1	65.9	69.4	73.9	74.7	74.7	74.9	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2 800	61.3	72.6	76.3	81.2	82.2	82.2	82.4	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
1 600	63.7	75.4	79.6	84.4	85.4	85.4	85.7	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2 600	65.4	77.7	82.6	88.0	89.1	89.1	89.3	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
1 400	65.7	77.9	82.9	88.3	89.4	89.4	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2 400	65.7	78.6	84.1	89.9	91.1	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
1 200	66.6	79.7	85.7	92.2	93.4	93.4	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
2 200	67.0	80.2	86.2	93.1	94.7	94.7	95.0	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
1 1000	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2 1000	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1 800	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2 800	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1 600	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2 600	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1 400	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2 400	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1 200	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2 200	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1 100	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
2 100	67.3	80.6	86.7	94.1	95.7	95.7	96.0	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

78973 LAKE MEATH PAF MX

74-87

SP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1170-2300

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																				
	5/8	3/4	25/32	1/4	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4
1000	30.5	37.6	39.2	41.2	41.3	41.5	41.7	42.4	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
900	35.3	43.3	45.5	48.2	48.3	48.5	48.7	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
800	35.4	43.5	45.7	48.4	48.5	48.7	48.9	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
700	35.4	43.6	45.8	48.5	48.6	48.8	49.1	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
600	35.4	43.6	45.8	48.5	48.6	48.8	49.1	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
500	36.2	44.6	46.8	49.5	49.6	49.8	50.1	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
400	36.3	45.3	47.7	50.4	50.5	50.7	50.9	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
300	39.9	48.6	51.7	53.9	54.1	54.3	54.5	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
200	39.9	49.1	51.6	54.4	54.5	54.7	54.9	55.6	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
100	42.3	51.4	53.9	57.3	57.4	57.7	58.1	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
0	45.5	55.3	58.0	61.6	62.2	62.5	62.9	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
	51.9	61.2	64.4	68.9	69.4	69.7	70.1	70.7	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	53.6	64.7	68.2	72.9	73.4	73.7	74.1	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
	58.5	69.7	73.3	78.3	78.9	79.2	79.6	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
	60.5	72.7	76.5	81.9	82.4	82.6	83.2	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
	63.7	76.1	80.4	86.0	86.7	87.0	87.6	88.7	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
	63.1	76.3	80.6	86.2	86.9	87.2	87.8	88.9	88.9	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
	63.8	77.2	81.9	87.5	88.2	88.5	89.4	90.2	90.2	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
	65.3	79.0	84.4	91.4	91.1	91.5	92.4	93.2	93.2	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
	66.3	79.9	85.7	91.9	92.8	93.2	94.2	95.0	95.0	95.0	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
	66.7	80.0	86.0	92.4	93.3	93.8	94.9	95.7	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
	66.4	80.6	86.8	93.3	94.3	94.8	95.9	96.7	96.7	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	66.4	80.8	86.9	94.0	95.2	95.7	97.0	97.8	97.8	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	66.4	80.6	86.9	94.4	95.7	96.1	97.6	98.3	98.3	98.3	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	66.4	80.8	86.9	94.5	95.9	96.3	98.0	98.9	98.9	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	66.4	80.8	86.9	94.5	95.9	96.3	98.0	99.1	99.1	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	66.4	80.8	86.9	94.5	95.9	96.3	98.0	99.1	99.1	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	66.4	80.8	86.9	94.5	95.9	96.3	98.0	99.1	99.1	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	66.4	80.8	86.9	94.5	95.9	96.3	98.0	99.1	99.1	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	66.4	80.8	86.9	94.5	95.9	96.3	98.0	99.1	99.1	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAAC

# CEILING VERSUS VISIBILITY

1981 LAKENHEATH RAF UK

74-87

0801

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

VISIBILITY (STAT MILES)	OR (IN NUMBERS OF METERS)															
	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
1.2	24.7	24.7	37.4	37.4	70.9	71.5	31.9	37.7	32.2	30.3	72.3	32.3	72.4	32.5	72.5	72.5
2.0	21.4	33.6	26.5	37.7	77.1	37.3	33.3	33.4	38.6	29.7	35.7	38.7	38.8	38.9	39.0	39.0
3.0	31.6	33.7	36.7	37.7	77.3	38.7	38.5	38.5	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0
4.0	31.6	37.9	36.7	37.7	77.3	38.7	38.5	38.5	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0
5.0	31.7	33.2	36.9	37.4	77.5	38.7	38.7	38.8	39.0	39.0	39.1	39.1	39.2	39.2	39.4	39.4
6.0	32.7	35.7	38.1	38.7	78.8	39.4	39.9	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
7.0	33.1	35.5	38.6	39.7	79.4	40.7	40.5	40.6	40.8	40.8	40.8	40.8	41.0	41.1	41.1	41.2
8.0	35.9	38.7	41.9	42.6	82.8	43.5	44.7	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4
9.0	36.8	37.4	43.1	43.9	84.7	44.7	45.2	45.7	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
10.0	37.2	39.5	43.6	44.4	84.5	45.4	45.9	46.7	46.2	46.7	46.3	46.3	46.4	46.4	46.4	46.4
11.0	39.4	42.1	46.3	47.1	87.3	48.1	48.7	48.8	49.1	49.1	49.2	49.2	49.3	49.3	49.3	49.3
12.0	42.7	45.7	50.3	51.3	91.5	52.5	53.1	53.2	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
13.0	49.7	53.3	58.5	59.6	93.3	60.8	61.5	61.6	61.9	62.7	62.1	62.1	62.2	62.2	62.4	62.4
14.0	54.7	58.1	63.7	64.9	95.1	66.2	66.9	66.9	67.3	67.4	67.4	67.5	67.5	67.5	67.6	67.7
15.0	61.8	66.7	72.1	73.5	93.7	74.9	75.7	75.8	76.2	76.7	76.3	76.4	76.4	76.5	76.5	76.7
16.0	65.7	71.7	76.6	78.0	98.2	79.4	80.2	80.3	80.8	80.8	80.9	80.9	81.0	81.1	81.1	81.2
17.0	69.7	74.6	81.5	83.1	93.4	84.7	85.6	85.6	86.1	86.2	86.3	86.3	86.3	86.3	86.5	86.7
18.0	70.4	75.3	82.3	83.8	94.7	85.5	86.3	86.4	86.9	87.7	87.1	87.1	87.1	87.1	87.3	87.4
19.0	72.0	77.3	84.6	86.2	96.5	87.9	88.8	88.9	89.4	89.5	89.5	89.6	89.7	89.8	89.8	89.9
20.0	73.2	78.2	86.7	88.5	98.8	90.7	91.1	91.2	91.7	91.8	91.9	91.9	92.0	92.1	92.1	92.3
21.0	73.7	79.5	87.7	89.6	97.7	91.5	92.4	92.5	93.2	93.1	93.2	93.3	93.4	93.5	93.5	93.6
22.0	73.9	79.8	88.1	90.0	90.4	92.7	93.0	93.1	93.6	93.7	93.8	93.9	94.0	94.0	94.0	94.0
23.0	74.3	80.3	88.9	90.9	91.3	93.7	94.0	94.1	94.7	94.8	94.8	94.9	95.0	95.1	95.1	95.3
24.0	74.4	80.5	89.3	91.4	91.8	93.7	94.8	94.9	95.4	95.5	95.6	95.7	95.8	95.9	95.9	95.9
25.0	74.6	80.7	89.6	91.7	92.2	94.2	95.4	95.6	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.8
26.0	74.6	80.8	89.8	92.0	92.5	94.6	96.2	96.4	97.1	97.1	97.3	97.5	97.6	97.6	97.8	97.8
27.0	74.7	80.9	90.0	92.2	92.7	94.9	96.7	96.9	97.8	98.0	98.1	98.2	98.3	98.3	98.5	98.5
28.0	74.7	80.8	90.0	92.2	92.7	95.1	96.9	97.2	98.2	98.4	98.6	98.7	98.9	99.0	99.1	99.1
29.0	74.7	80.8	90.0	92.2	92.7	95.1	96.9	97.2	98.2	98.5	98.7	99.0	99.3	99.4	99.7	99.7
30.0	74.7	80.8	90.0	92.2	92.7	95.1	96.9	97.2	98.2	98.5	98.7	99.0	99.3	99.5	99.5	99.5
31.0	74.7	80.8	90.0	92.2	92.7	95.1	96.9	97.2	98.2	98.5	98.7	99.0	99.3	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 7499



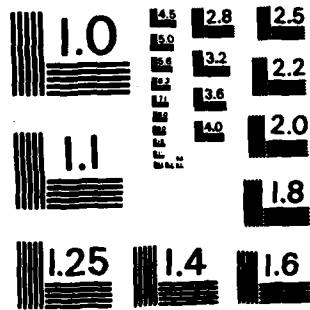
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LAKENHEATH UNITED KINGDOM REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS. (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A... 01 MAR 84  
USAFETAC/DS-84/008 SBI-AD-E850 824 F/G 4/2

3/5

UNCLASSIFIED

NL



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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831 LAKENHEATH RAF UK

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

300-0500  
HOURS UTC

CEILING FEET	VISIBILITY STATUTE MILES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	OR (HUNDREDS OF METERS)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
NO CEILING	16.8	29.0	33.2	37.3	38.5	38.9	40.6	40.7	40.9	41.3	41.6	41.9	42.1	42.6	42.6	43.6				≥ 20000	19.0	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 18000	19.7	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 16000	19.0	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 14000	19.7	32.8	37.8	42.6	43.9	44.3	46.0	46.1	46.4	46.8	47.3	47.5	47.8	48.2	48.2	49.3				IV 12000	19.1	32.9	37.9	42.7	44.1	44.4	46.1	46.3	46.5	46.9	47.4	47.6	47.9	48.3	48.3	49.4				IV 10000	20.0	34.0	39.1	44.2	45.6	45.9	47.6	47.8	48.0	48.4	48.9	49.1	49.4	49.8	49.8	50.9				IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0			
≥ 20000	19.0	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 18000	19.7	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 16000	19.0	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 14000	19.7	32.8	37.8	42.6	43.9	44.3	46.0	46.1	46.4	46.8	47.3	47.5	47.8	48.2	48.2	49.3				IV 12000	19.1	32.9	37.9	42.7	44.1	44.4	46.1	46.3	46.5	46.9	47.4	47.6	47.9	48.3	48.3	49.4				IV 10000	20.0	34.0	39.1	44.2	45.6	45.9	47.6	47.8	48.0	48.4	48.9	49.1	49.4	49.8	49.8	50.9				IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																							
IV 18000	19.7	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 16000	19.0	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 14000	19.7	32.8	37.8	42.6	43.9	44.3	46.0	46.1	46.4	46.8	47.3	47.5	47.8	48.2	48.2	49.3				IV 12000	19.1	32.9	37.9	42.7	44.1	44.4	46.1	46.3	46.5	46.9	47.4	47.6	47.9	48.3	48.3	49.4				IV 10000	20.0	34.0	39.1	44.2	45.6	45.9	47.6	47.8	48.0	48.4	48.9	49.1	49.4	49.8	49.8	50.9				IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																											
IV 16000	19.0	32.6	37.6	42.3	43.7	44.1	45.8	45.9	46.1	46.6	47.1	47.3	47.5	48.0	48.0	49.0				IV 14000	19.7	32.8	37.8	42.6	43.9	44.3	46.0	46.1	46.4	46.8	47.3	47.5	47.8	48.2	48.2	49.3				IV 12000	19.1	32.9	37.9	42.7	44.1	44.4	46.1	46.3	46.5	46.9	47.4	47.6	47.9	48.3	48.3	49.4				IV 10000	20.0	34.0	39.1	44.2	45.6	45.9	47.6	47.8	48.0	48.4	48.9	49.1	49.4	49.8	49.8	50.9				IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																															
IV 14000	19.7	32.8	37.8	42.6	43.9	44.3	46.0	46.1	46.4	46.8	47.3	47.5	47.8	48.2	48.2	49.3				IV 12000	19.1	32.9	37.9	42.7	44.1	44.4	46.1	46.3	46.5	46.9	47.4	47.6	47.9	48.3	48.3	49.4				IV 10000	20.0	34.0	39.1	44.2	45.6	45.9	47.6	47.8	48.0	48.4	48.9	49.1	49.4	49.8	49.8	50.9				IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																			
IV 12000	19.1	32.9	37.9	42.7	44.1	44.4	46.1	46.3	46.5	46.9	47.4	47.6	47.9	48.3	48.3	49.4				IV 10000	20.0	34.0	39.1	44.2	45.6	45.9	47.6	47.8	48.0	48.4	48.9	49.1	49.4	49.8	49.8	50.9				IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																							
IV 10000	20.0	34.0	39.1	44.2	45.6	45.9	47.6	47.8	48.0	48.4	48.9	49.1	49.4	49.8	49.8	50.9				IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																											
IV 9000	27.0	34.1	39.3	44.4	45.8	46.1	47.9	48.0	48.2	48.7	49.1	49.4	49.6	50.1	50.1	51.1				IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																															
IV 8000	22.7	37.6	43.8	49.3	51.7	51.1	52.8	52.9	53.2	53.6	54.2	54.4	54.7	55.1	55.1	56.3				IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																			
IV 7000	23.2	38.3	45.7	50.9	52.5	52.8	54.8	55.4	55.6	56.2	56.7	57.0	57.2	57.7	57.7	58.8				IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																							
IV 6000	23.4	38.6	45.3	51.2	52.8	53.2	55.1	55.7	55.9	56.5	57.1	57.3	57.6	58.0	58.0	59.2				IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																											
IV 5000	24.6	39.8	46.7	52.8	54.6	55.0	57.0	57.8	58.0	58.8	59.4	59.6	59.9	60.3	60.3	61.5				IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																															
IV 4500	27.1	43.4	50.6	57.4	59.7	60.2	62.2	63.0	63.2	64.0	64.6	64.8	65.1	65.5	65.5	66.7				IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																			
IV 4000	30.1	47.8	55.9	63.2	66.1	66.6	68.7	69.7	70.1	70.9	71.5	71.7	72.0	72.4	72.4	73.6				IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																							
IV 3500	31.4	49.5	57.8	65.2	68.1	68.5	71.0	72.0	72.4	73.2	73.8	74.0	74.3	74.7	74.7	75.9				IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																											
IV 3000	33.3	52.2	60.7	68.4	71.3	71.7	74.4	75.4	75.9	76.7	77.3	77.5	77.7	78.2	78.2	79.4				IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																															
IV 2500	34.0	53.7	62.3	70.0	73.1	73.6	76.2	77.4	77.9	78.7	79.2	79.5	79.7	80.2	80.2	81.3				IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																			
IV 2000	35.2	55.6	64.2	73.0	76.1	76.6	79.2	80.4	80.9	81.7	82.2	82.5	82.7	83.2	83.2	84.3				IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																							
IV 1800	35.5	56.1	64.7	73.5	76.6	77.0	79.7	80.9	81.3	82.1	82.7	82.9	83.2	83.6	83.6	84.8				IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																											
IV 1500	36.8	57.4	66.3	75.7	78.9	79.5	82.1	83.3	83.7	84.5	85.1	85.4	85.6	86.0	86.0	87.2				IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																															
IV 1200	37.3	58.5	67.9	77.4	80.7	81.3	84.4	85.6	86.0	86.9	87.4	87.7	87.9	88.4	88.4	89.5				IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																			
IV 1000	37.5	58.8	68.3	78.0	81.3	81.9	85.4	86.5	87.0	87.9	88.5	88.7	89.0	89.5	89.5	90.7				IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																							
IV 900	37.8	59.4	69.0	79.0	82.4	82.9	86.7	87.9	88.4	89.3	89.9	90.1	90.4	90.9	90.9	92.0				IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																											
IV 800	38.2	60.0	69.9	80.2	83.6	84.2	88.2	89.5	90.0	90.9	91.5	91.7	92.0	92.5	92.5	93.7				IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
IV 700	38.2	60.0	69.9	80.3	83.7	84.4	88.6	89.9	90.3	91.2	91.8	92.0	92.4	92.8	92.8	94.0				IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
IV 600	38.2	60.0	69.9	80.3	83.7	84.5	88.7	90.2	90.7	91.6	92.2	92.4	92.7	93.2	93.2	94.3				IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
IV 500	38.2	60.0	70.0	81.1	84.8	85.6	90.1	91.6	92.0	93.0	93.7	93.9	94.2	94.7	94.7	95.8				IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
IV 400	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.1	93.8	95.0	96.0	96.3	96.8	97.5	97.5	98.6				IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
IV 300	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	95.8	96.8	97.1	97.7	98.5	98.5	99.9				IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
IV 200	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
IV 100	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0				IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
IV 0	38.2	60.0	70.0	81.3	85.2	86.0	91.0	93.4	94.1	96.0	96.9	97.2	97.8	98.6	98.6	100.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

TOTAL NUMBER OF OBSERVATIONS 867

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

AKENHEATH RAF UK  
STATION NAME

74-83  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2600-C800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE40	≥2.5 GE32	≥2 GE24	≥1.5 GE16	≥1 GE12	≥0.75 GE10	≥0.5 GE8	≥0.3 GE6	≥0.25 GE5	≥0.2 GE4	≥0.15 GE3	
NO CEILING	16.4	26.3	29.8	33.7	34.7	34.8	35.1	35.8	35.8	36.1	36.2	36.2	36.2	36.3	36.6	37.2
≥ 20000	19.7	31.4	35.6	40.3	41.5	41.6	41.9	42.5	42.5	43.0	43.2	43.2	43.2	43.3	43.5	44.2
IV 18000	19.8	31.6	35.7	40.5	41.7	41.8	42.1	42.8	42.8	43.2	43.4	43.4	43.4	43.5	43.7	44.4
IV 16000	19.8	31.6	35.7	40.5	41.7	41.8	42.1	42.8	42.8	43.2	43.4	43.4	43.4	43.5	43.7	44.4
IV 14000	19.8	31.6	35.9	40.7	41.9	42.0	42.3	43.0	43.0	43.4	43.6	43.6	43.6	43.7	44.0	44.6
IV 12000	19.8	31.6	36.0	40.8	42.0	42.1	42.4	43.1	43.1	43.5	43.7	43.7	43.7	43.9	44.1	44.7
IV 10000	20.3	32.8	37.4	43.0	44.2	44.3	44.7	45.4	45.4	45.8	46.0	46.0	46.0	46.1	46.4	47.0
IV 9000	20.6	33.3	38.0	43.5	44.8	44.9	45.4	46.0	46.0	46.5	46.7	46.7	46.7	46.8	47.0	47.7
IV 8000	23.4	37.3	42.9	49.1	50.7	50.8	51.3	51.9	51.9	52.3	52.6	52.6	52.6	52.7	52.9	53.5
IV 7000	24.6	38.8	44.5	51.4	53.2	53.3	53.9	54.5	54.5	55.2	55.4	55.4	55.4	55.5	55.7	56.4
IV 6000	25.0	39.3	44.9	51.8	53.6	53.8	54.3	55.0	55.0	55.6	55.8	55.8	55.8	55.9	56.1	56.8
IV 5000	26.7	41.7	47.7	54.8	57.0	57.1	57.9	58.5	58.5	59.4	59.6	59.6	59.6	59.7	60.0	60.6
IV 4500	28.7	45.0	51.3	58.8	61.3	61.4	62.1	62.8	62.8	63.7	63.9	63.9	63.9	64.0	64.2	64.9
IV 4000	31.4	48.7	55.6	64.3	67.1	67.2	68.3	69.2	69.2	70.4	70.6	70.6	70.6	70.7	70.9	71.6
IV 3500	33.1	50.4	57.3	66.5	69.4	69.6	70.8	71.9	71.9	73.1	73.3	73.3	73.3	73.4	73.7	74.3
IV 3000	35.6	53.2	60.6	70.0	73.2	73.6	75.1	76.3	76.3	77.5	77.7	77.7	77.7	77.8	78.0	78.7
IV 2500	35.7	53.8	61.7	71.3	74.5	74.9	76.4	77.6	77.6	78.8	79.0	79.0	79.0	79.1	79.3	80.0
IV 2000	36.8	55.4	63.7	73.8	77.3	77.6	79.1	80.3	80.3	81.5	82.0	82.0	82.0	82.2	82.4	83.0
IV 1800	36.9	55.8	64.4	74.5	78.0	78.3	80.0	81.2	81.2	82.4	82.9	82.9	82.9	83.0	83.2	83.9
IV 1500	38.1	57.3	66.5	77.4	81.6	81.9	83.6	84.8	84.8	86.0	86.5	86.5	86.5	86.6	86.8	87.5
IV 1200	39.1	58.7	68.3	80.3	84.8	85.1	86.7	87.9	87.9	89.1	89.7	89.7	89.7	89.8	90.0	90.6
IV 1000	39.5	59.3	69.0	82.5	87.1	87.4	89.2	90.6	90.6	91.8	92.4	92.4	92.4	92.5	92.7	93.4
IV 900	39.8	59.7	69.4	83.4	88.0	88.4	90.2	91.6	91.6	92.8	93.4	93.4	93.4	93.5	93.7	94.3
IV 800	39.9	59.8	69.5	83.7	88.4	88.7	90.6	92.1	92.1	93.3	93.8	93.8	93.8	93.9	94.1	94.8
IV 700	39.9	59.8	69.6	83.8	88.6	89.0	91.1	92.8	92.8	94.2	94.9	94.9	94.9	95.0	95.1	95.3
IV 600	40.0	60.0	69.7	84.0	89.0	89.4	91.5	93.3	93.3	94.7	95.3	95.3	95.3	95.4	95.5	95.8
IV 500	40.0	60.1	69.9	84.3	89.7	90.2	92.4	94.3	94.3	95.9	96.6	96.6	96.6	96.7	96.8	97.1
IV 400	40.0	60.2	70.0	84.4	89.8	90.3	92.5	94.9	94.9	95.1	96.8	97.7	97.7	97.8	97.9	98.2
IV 300	40.0	60.2	70.0	84.4	89.8	90.3	92.5	94.9	94.9	95.1	97.4	98.3	98.3	98.4	98.5	98.8
IV 200	40.0	60.2	70.0	84.4	89.8	90.3	92.5	94.9	94.9	95.1	97.4	98.3	98.3	98.4	98.5	98.8
IV 100	40.0	60.2	70.0	84.4	89.8	90.3	92.5	95.0	95.2	97.5	98.4	98.4	98.5	98.6	98.8	99.1
IV 0	40.0	60.2	70.0	84.4	89.8	90.3	92.5	95.0	95.2	97.5	98.4	98.4	98.5	98.6	98.8	99.1

TOTAL NUMBER OF OBSERVATIONS: 919

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831 LAKENHEATH RAF UK

74-83

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

6900-1100  
HOURS 157

CEILING FEET	VISIBILITY (STATUTE MILES OR (HUNDREDS OF METERS))															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
	GT9.7	F09.0	GE8.0	GE6.0	GE4.8	GE4.0	GE3.2	GE2.4	GE2.0	GE1.6	GE1.2	GE1.0	GE.8	GE.6	GE.5	GE.4
NO CEILING	18.7	26.9	28.2	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 20000	24.5	33.7	35.6	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 18000	24.6	33.8	35.7	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 16000	24.6	33.8	35.7	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 14000	24.6	33.8	35.7	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 12000	24.6	34.2	36.2	38.0	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 10000	25.6	35.8	37.8	39.8	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 9000	26.3	36.7	38.8	40.7	40.7	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 8000	28.9	40.5	42.8	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 7000	30.7	41.9	44.2	47.4	47.5	47.5	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 6000	30.0	41.9	44.2	47.6	47.7	47.7	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 5000	31.5	43.9	46.5	50.5	51.0	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 4500	33.7	46.7	49.3	53.5	54.1	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 4000	38.9	52.6	55.9	61.1	61.8	61.8	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 3500	43.2	57.5	60.8	66.1	66.8	66.8	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 3000	52.4	69.6	73.1	78.9	79.5	79.5	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 2500	54.7	73.1	76.9	82.9	83.7	83.7	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 2000	56.9	76.1	80.4	87.0	87.8	87.8	88.2	88.7	88.7	88.7	88.7	88.9	88.9	89.0	89.0	89.0
IV 1800	57.8	77.3	81.7	88.5	89.2	89.2	89.7	90.1	90.1	90.1	90.3	90.3	90.4	90.4	90.4	90.4
IV 1500	59.6	80.5	85.5	92.7	93.6	93.6	94.0	94.4	94.4	94.4	94.7	94.7	94.8	94.8	94.8	94.8
IV 1200	60.0	81.3	86.9	94.6	95.4	95.5	96.1	96.5	96.5	96.5	96.7	96.7	96.8	96.8	96.8	96.8
IV 1000	60.3	81.7	87.4	95.4	96.5	96.6	97.3	97.7	97.7	97.7	97.9	97.9	98.0	98.0	98.0	98.0
IV 900	60.5	81.9	87.6	95.6	96.7	96.8	97.5	98.1	98.1	98.1	98.4	98.4	98.5	98.5	98.5	98.5
IV 800	60.5	81.9	87.7	96.2	97.3	97.4	98.0	98.7	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0
IV 700	60.5	81.9	87.9	96.4	97.5	97.6	98.3	99.0	99.0	99.0	99.2	99.2	99.3	99.3	99.3	99.3
IV 600	60.5	81.9	87.9	96.4	97.6	97.7	98.4	99.1	99.1	99.1	99.3	99.3	99.5	99.5	99.5	99.5
IV 500	60.5	81.9	87.9	96.4	97.6	97.7	98.5	99.3	99.3	99.3	99.5	99.7	99.7	99.8	99.8	99.8
IV 400	60.5	81.9	87.9	96.4	97.6	97.7	98.5	99.3	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0
IV 300	60.5	81.9	87.9	96.4	97.6	97.7	98.5	99.3	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0
IV 200	60.5	81.9	87.9	96.4	97.6	97.7	98.5	99.3	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0
IV 100	60.5	81.9	87.9	96.4	97.6	97.7	98.5	99.3	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0
IV 0	60.5	81.9	87.9	96.4	97.6	97.7	98.5	99.3	99.3	99.3	99.6	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-83  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LT)

CEILING FEET	VISIBILITY - STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	
NO CEILING	20.7	27.9	28.3	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	
≥ 20000	25.5	34.1	34.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	
IV 18000	25.9	34.5	35.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	
IV 16000	25.9	34.5	35.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	
IV 14000	26.0	34.6	35.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	
IV 12000	26.1	35.3	35.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	
IV 10000	26.7	35.9	36.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	
IV 9000	27.5	36.7	37.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	
IV 8000	30.5	40.5	41.6	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	
IV 7000	31.5	41.6	42.8	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	
IV 6000	31.5	41.6	42.8	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	
IV 5000	33.7	45.0	46.3	47.8	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	
IV 4500	35.6	48.5	49.8	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
IV 4000	43.2	57.6	59.7	61.1	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	
IV 3500	49.5	65.4	66.9	69.2	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
IV 3000	61.9	79.5	81.4	84.2	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	
IV 2500	63.5	81.9	83.8	87.0	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	
IV 2000	66.7	86.3	88.5	91.9	92.6	92.6	92.6	92.8	92.8	92.9	93.1	93.1	93.1	93.1	93.1	
IV 1800	67.2	86.9	89.2	92.7	93.4	93.4	93.4	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	
IV 1500	66.5	88.3	91.1	95.1	95.9	95.9	95.9	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	
IV 1200	69.7	89.9	92.8	97.1	97.8	97.8	97.8	98.1	98.1	98.3	98.5	98.5	98.5	98.5	98.5	
IV 1000	69.8	90.0	92.9	97.3	98.0	98.0	98.0	98.4	98.5	98.6	98.8	98.8	98.8	98.8	98.8	
IV 900	69.8	90.0	92.9	97.4	98.1	98.1	98.1	98.5	98.6	98.7	98.9	98.9	98.9	98.9	98.9	
IV 800	69.9	90.1	93.0	97.5	98.5	98.5	98.5	98.8	98.9	99.2	99.5	99.5	99.5	99.5	99.5	
IV 700	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.0	99.1	99.5	99.7	99.7	99.7	99.7	99.7	
IV 600	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	
IV 500	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.2	99.3	99.7	99.9	99.9	99.9	99.9	99.9	
IV 400	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
IV 300	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
IV 200	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
IV 100	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	
IV 0	69.9	90.1	93.0	97.7	98.7	98.7	98.7	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

C35831  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-83  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
HOURLY

CEILING FEET	VISIBILITY STATUTE MILES															
	OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2
	GE90	GE90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0
NO CEILING	23.4	30.7	31.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 20000	29.1	38.6	39.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 18000	29.5	39.0	39.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 16000	30.0	39.4	40.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 14000	30.1	39.5	40.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 12000	30.4	40.1	40.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 10000	30.8	40.6	41.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 9000	31.3	41.2	42.4	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
IV 8000	34.4	44.9	46.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 7000	36.2	46.9	48.3	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
IV 6000	36.4	47.4	48.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 5000	40.2	52.0	53.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 4500	45.2	59.2	60.7	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 4000	52.6	67.4	69.1	71.0	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 3500	58.7	74.9	76.7	78.8	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 3000	67.0	85.1	86.9	89.4	89.7	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	68.3	86.7	88.6	91.1	91.3	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2000	71.0	90.1	92.3	94.8	95.1	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 1800	71.0	90.1	92.4	94.9	95.2	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500	71.2	90.7	93.1	95.9	96.5	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1200	71.6	91.5	94.1	96.9	97.6	97.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	71.7	91.7	94.3	97.2	97.8	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 900	71.7	91.7	94.3	97.3	97.9	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 800	71.7	91.7	94.3	97.4	98.1	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
IV 600	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	71.7	91.7	94.3	97.4	98.1	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-83  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES: OR (HUNDREDS OF METERS)															
	≥10 GE10	≥6 GE60	≥3 GE30	≥2 GE20	≥1 GE10	≥0.5 GE05	≥0.3 GE03	≥0.2 GE02	≥0.1 GE01	≥0.05 GE005	≥0.03 GE003	≥0.02 GE002	≥0.01 GE001	≥0.005 GE0005	≥0.003 GE0003	≥0.002 GE0002
NO CEILING ≥ 20000	29.7	40.6	41.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 18000 IV 16000	36.4	49.0	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 14000 IV 12000	36.5	49.5	50.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000 IV 9000	36.9	50.9	51.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000 IV 7000	42.4	56.6	58.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 6000 IV 5000	44.2	59.8	61.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 4500 IV 4000	49.7	66.8	69.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 3500 IV 3000	59.5	77.2	80.9	83.4	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 2500 IV 2000	65.5	85.5	89.5	92.5	93.0	93.0	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800 IV 1500	66.3	87.4	91.6	94.8	95.4	95.4	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1200 IV 1000	66.6	88.0	92.5	96.2	97.2	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900 IV 800	66.6	88.0	92.5	96.3	97.3	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 700 IV 600	66.6	88.0	92.7	96.7	97.7	97.8	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 500 IV 400	66.6	88.0	92.7	96.8	97.9	98.0	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300 IV 200	66.6	88.0	92.7	96.8	97.9	98.0	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100 0	66.6	88.0	92.7	96.8	97.9	98.0	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 918

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-83  
YEAR

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																OR (HUNDREDS OF METERS)			
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	≥1	≥0.8	≥0.6	≥0.5
	GI90	FO90	GF80	GF60	GF48	GF40	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF03	GF02	GF01	GF01	GF01
NO CEILING ≥ 20000	34.4	46.8	48.6	49.7	50.5	50.7	51.0	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
18000	37.5	51.2	53.5	54.6	55.4	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	
16000	37.5	51.3	53.6	54.8	55.5	55.8	56.0	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	
14000	37.7	51.7	54.1	55.2	56.0	56.2	56.4	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	
12000	37.7	51.7	54.1	55.2	56.0	56.2	56.4	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	
10000	38.3	52.5	55.0	56.1	56.9	57.1	57.3	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
9000	38.4	52.6	55.2	56.3	57.1	57.3	57.6	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	
8000	40.6	55.5	58.5	59.8	60.7	60.9	61.1	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	
7000	41.5	57.3	60.5	61.9	62.8	63.0	63.3	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
6000	42.1	57.9	61.0	62.5	63.4	63.6	63.8	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	
5000	43.7	60.4	63.7	65.4	66.4	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
4500	47.7	65.7	69.2	71.1	72.1	72.3	72.6	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
4000	55.1	73.8	77.8	80.1	81.1	81.4	81.6	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	
3500	56.4	76.3	80.9	83.3	84.3	84.7	85.0	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
3000	59.7	80.0	84.8	87.2	88.2	88.6	88.9	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	
2500	60.6	81.1	85.9	88.4	89.5	89.8	90.1	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
2000	61.7	82.4	87.5	89.9	91.0	91.4	92.0	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	
1800	61.8	82.9	87.9	90.4	91.6	91.9	92.6	92.9	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
1500	62.2	83.5	88.8	91.4	92.6	92.9	93.6	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	
1200	63.3	85.3	90.8	93.4	94.6	95.0	95.6	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
1000	63.4	85.6	91.2	93.7	95.0	95.3	96.0	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
900	63.4	85.7	91.3	93.8	95.1	95.4	96.1	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
800	63.5	85.8	91.4	94.0	95.3	95.6	96.3	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
700	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
600	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
500	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
400	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
300	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
200	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
100	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
0	63.5	85.9	91.5	94.1	95.4	95.7	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

74-83  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2.7	≥2.2	≥1.7	≥1.4	≥1	≥0.7	≥0.5	≥0.3
NO CEILING	23.7	33.8	35.8	37.7	38.2	38.3	38.7	38.9	38.9	39.0	39.1	39.1	39.2	39.3	39.3	39.6
IV 20000	28.0	39.6	42.7	44.3	44.8	44.9	45.2	45.4	45.5	45.6	45.7	45.8	45.8	45.9	45.9	46.2
IV 18000	28.2	39.8	42.2	44.5	45.0	45.1	45.4	45.6	45.7	45.8	45.9	46.0	46.0	46.1	46.2	46.4
IV 16000	28.2	39.9	42.2	44.5	45.1	45.1	45.5	45.7	45.8	45.9	46.0	46.1	46.1	46.2	46.2	46.5
IV 14000	28.3	40.1	42.4	44.8	45.3	45.3	45.7	45.9	46.0	46.1	46.2	46.3	46.3	46.4	46.4	46.7
IV 12000	28.4	40.4	42.8	45.1	45.6	45.7	46.0	46.2	46.3	46.4	46.5	46.6	46.6	46.7	46.8	47.0
IV 10000	29.0	41.3	43.8	46.3	46.8	46.9	47.3	47.5	47.5	47.7	47.8	47.8	47.9	47.9	48.0	48.2
IV 9000	29.4	41.7	44.3	46.8	47.4	47.4	47.8	48.0	48.1	48.2	48.3	48.4	48.4	48.5	48.5	48.8
IV 8000	32.5	45.7	48.7	51.5	52.1	52.2	52.6	52.8	52.8	53.0	53.1	53.1	53.2	53.3	53.3	53.6
IV 7000	33.6	47.2	50.4	53.5	54.1	54.2	54.7	55.0	55.0	55.2	55.3	55.4	55.4	55.5	55.5	55.8
IV 6000	33.9	47.6	50.8	53.9	54.5	54.6	55.1	55.4	55.4	55.6	55.7	55.8	55.8	55.9	55.9	56.2
IV 5000	35.8	50.2	53.6	56.9	57.7	57.8	58.3	58.6	58.7	58.9	59.0	59.1	59.1	59.2	59.3	59.5
IV 4500	38.9	54.4	58.7	61.7	62.6	62.7	63.3	63.6	63.7	63.9	64.0	64.1	64.1	64.2	64.2	64.5
IV 4000	44.4	60.9	65.0	69.3	70.5	70.6	71.3	71.6	71.7	72.0	72.1	72.2	72.2	72.3	72.3	72.6
IV 3500	47.6	64.9	69.2	73.6	74.8	75.0	75.7	76.1	76.2	76.5	76.6	76.7	76.7	76.8	76.8	77.1
IV 3000	53.4	72.0	76.5	81.3	82.5	82.7	83.5	84.0	84.1	84.3	84.5	84.5	84.6	84.6	84.7	84.9
IV 2500	54.6	73.7	78.4	83.2	84.6	84.7	85.5	86.1	86.2	86.4	86.6	86.6	86.6	86.7	86.8	87.0
IV 2000	56.3	76.1	81.1	86.2	87.7	87.8	88.7	89.3	89.3	89.6	89.9	89.9	90.0	90.0	90.1	90.3
IV 1800	56.6	76.6	81.7	86.8	88.3	88.4	89.3	89.9	90.0	90.3	90.5	90.5	90.6	90.7	90.7	91.0
IV 1500	57.5	77.8	83.2	88.8	90.5	90.7	91.6	92.1	92.2	92.5	92.7	92.8	92.8	92.9	93.0	93.2
IV 1200	58.1	78.8	84.5	90.4	92.1	92.3	93.3	93.9	94.0	94.3	94.5	94.5	94.6	94.7	94.7	95.0
IV 1000	58.3	79.1	84.9	91.1	92.9	93.1	94.2	94.8	94.9	95.2	95.4	95.5	95.5	95.6	95.6	95.9
IV 900	58.4	79.3	85.1	91.5	93.2	93.5	94.6	95.2	95.3	95.6	95.9	95.9	96.0	96.1	96.1	96.4
IV 800	58.5	79.4	85.4	92.0	93.9	94.1	95.3	96.0	96.1	96.5	96.7	96.7	96.8	96.9	96.9	97.2
IV 700	58.5	79.5	85.5	92.2	94.1	94.4	95.7	96.4	96.6	96.9	97.2	97.2	97.3	97.4	97.4	97.7
IV 600	58.5	79.5	85.5	92.3	94.2	94.5	95.9	96.7	96.8	97.2	97.5	97.5	97.6	97.7	97.8	98.0
IV 500	58.5	79.5	85.5	92.4	94.5	94.8	96.2	97.1	97.3	97.8	98.1	98.2	98.3	98.4	98.4	98.7
IV 400	58.5	79.5	85.6	92.5	94.6	94.9	96.5	97.5	97.8	98.3	98.7	98.8	98.9	99.1	99.1	99.4
IV 300	58.5	79.5	85.6	92.5	94.6	94.9	96.5	97.7	98.0	98.7	99.1	99.2	99.3	99.5	99.6	99.9
IV 200	58.5	79.5	85.6	92.5	94.6	94.9	96.5	97.7	98.0	98.8	99.1	99.2	99.4	99.6	99.6	99.9
IV 100	58.5	79.5	85.6	92.5	94.6	94.9	96.5	97.7	98.0	98.8	99.2	99.2	99.4	99.6	99.7	100.0
IV 0	58.5	79.5	85.6	92.5	94.6	94.9	96.5	97.7	98.0	98.8	99.2	99.2	99.4	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7191

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

(35831) LAKENHEATH RAF UK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

700-3200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
	GE90	GE90	GE80	GE60	GE40	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0
NO CEILING	24.0	36.9	40.4	44.6	45.3	45.7	47.2	47.4	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6
≥ 20000	26.3	39.8	43.3	48.0	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6
IV 18000	26.3	39.8	43.3	48.0	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6
IV 16000	26.3	39.8	43.3	48.0	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6
IV 14000	26.3	39.8	43.3	48.0	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6
IV 12000	26.3	39.8	43.3	48.0	49.1	49.4	51.2	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6
IV 10000	27.3	41.3	45.0	49.7	50.8	51.1	53.7	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3
IV 9000	27.8	41.8	45.8	50.4	51.6	51.9	53.9	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2
IV 8000	31.6	46.7	52.8	55.9	57.1	57.4	59.3	59.6	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8
IV 7000	31.7	47.3	51.7	56.8	58.7	58.3	60.2	60.4	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7
IV 6000	31.8	47.4	51.8	56.9	58.1	58.4	60.3	60.6	60.6	60.7	60.7	60.8	60.8	60.8	60.8	60.8
IV 5000	34.9	51.1	56.1	61.4	62.7	63.0	64.9	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3
IV 4500	38.7	56.0	61.2	66.6	68.0	68.4	70.3	70.6	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8
IV 4000	43.4	61.2	66.8	72.6	74.1	74.6	76.6	76.8	76.8	76.9	76.9	77.1	77.1	77.1	77.1	77.1
IV 3500	44.4	63.3	69.6	75.8	77.3	77.8	79.9	80.1	80.1	80.2	80.2	80.4	80.4	80.6	80.6	80.6
IV 3000	46.8	65.9	72.3	79.0	80.7	81.1	83.7	83.9	83.9	84.0	84.0	84.2	84.2	84.3	84.3	84.3
IV 2500	48.2	67.4	73.9	80.6	82.2	82.7	85.2	85.4	85.4	85.6	85.6	85.8	85.8	85.9	85.9	85.9
IV 2000	49.4	69.0	75.6	82.4	84.2	84.7	87.2	87.4	87.4	87.6	87.6	87.8	87.8	87.9	87.9	87.9
IV 1800	49.9	69.4	76.7	82.9	84.7	85.1	87.7	87.9	87.9	88.0	88.0	88.2	88.2	88.3	88.3	88.3
IV 1500	51.8	71.6	78.2	85.1	86.9	87.3	89.9	90.1	90.1	90.2	90.2	90.4	90.4	90.6	90.6	90.6
IV 1200	52.4	72.7	79.6	86.6	88.3	88.8	91.3	91.6	91.7	91.7	91.7	91.9	91.9	92.0	92.0	92.0
IV 1000	52.8	73.0	80.0	87.0	88.8	89.2	91.8	92.1	92.1	92.2	92.2	92.4	92.4	92.6	92.6	92.6
IV 900	52.9	73.7	80.8	87.9	89.7	90.1	92.7	93.0	93.0	93.1	93.1	93.3	93.3	93.4	93.4	93.4
IV 800	53.4	74.6	81.7	89.0	90.8	91.2	93.8	94.2	94.2	94.3	94.3	94.6	94.6	94.7	94.7	94.7
IV 700	53.4	74.8	81.9	89.6	91.3	91.8	94.3	94.8	94.8	94.9	94.9	95.1	95.1	95.2	95.2	95.2
IV 600	53.4	75.2	82.3	90.3	92.1	92.6	95.1	95.6	95.6	95.7	95.7	95.9	95.9	96.0	96.0	96.0
IV 500	53.4	75.2	82.4	90.6	92.4	93.2	96.1	96.6	96.7	96.8	96.8	97.0	97.0	97.1	97.1	97.1
IV 400	53.4	75.2	82.4	90.7	93.0	93.8	96.8	97.6	97.7	97.8	97.8	98.0	98.0	98.1	98.1	98.1
IV 300	53.4	75.2	82.4	90.7	93.0	93.8	97.2	98.0	98.1	98.2	98.2	98.4	98.4	98.6	98.6	98.6
IV 200	53.4	75.2	82.4	90.7	93.0	93.8	97.3	98.3	98.7	98.9	98.9	99.1	99.1	99.3	99.3	99.3
IV 100	53.4	75.2	82.4	90.7	93.0	93.8	97.3	98.3	98.7	98.9	98.9	99.2	99.2	99.3	99.3	99.3
IV 0	53.4	75.2	82.4	90.7	93.0	93.8	97.3	98.3	98.7	99.0	99.0	99.2	99.2	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 300

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35831 LAKENHEATH RAF UK

73-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3300-3500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	20	20	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
NO CEILING	GE90	EQ90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0	GE0	GE0	GE0	GE0
≥ 20000	11.6	20.0	23.9	29.9	32.1	32.6	34.9	36.5	37.1	37.8	37.9	38.0	38.0	38.2	38.4	38.7	38.7	38.7	38.7	38.7
18000	13.3	22.7	27.3	34.1	36.2	36.8	39.3	41.5	42.0	42.7	42.8	42.9	42.9	43.1	43.4	43.6	43.6	43.6	43.6	43.6
16000	13.3	22.7	27.3	34.1	36.2	36.8	39.3	41.5	42.0	42.7	42.8	42.9	42.9	43.1	43.4	43.6	43.6	43.6	43.6	43.6
14000	13.4	22.8	27.4	34.2	36.3	36.9	39.4	41.6	42.1	42.8	42.9	43.0	43.0	43.2	43.5	43.7	43.7	43.7	43.7	43.7
12000	13.4	22.8	27.4	34.2	36.3	36.9	39.4	41.6	42.1	42.8	42.9	43.0	43.0	43.2	43.5	43.7	43.7	43.7	43.7	43.7
10000	14.3	23.7	28.5	35.4	37.8	38.3	41.7	43.1	43.8	44.5	44.6	44.7	44.7	44.9	45.3	45.5	45.5	45.5	45.5	45.5
9000	15.1	24.8	29.8	37.1	39.7	40.2	43.1	45.3	45.9	46.6	46.7	46.8	46.8	47.1	47.4	47.6	47.6	47.6	47.6	47.6
8000	16.5	27.0	32.5	40.0	42.7	43.4	46.3	48.5	49.2	49.8	49.9	50.1	50.1	50.4	50.7	50.9	50.9	50.9	50.9	50.9
7000	17.7	28.5	34.7	41.7	44.4	45.3	48.4	50.6	51.3	52.0	52.1	52.2	52.2	52.5	52.8	53.1	53.1	53.1	53.1	53.1
6000	18.2	29.1	34.5	42.2	44.9	45.8	48.9	51.2	51.8	52.5	52.6	52.7	52.7	53.2	53.5	53.7	53.7	53.7	53.7	53.7
5000	21.0	32.7	38.7	46.8	49.9	50.8	54.1	56.6	57.3	58.0	58.1	58.2	58.2	58.7	59.0	59.2	59.2	59.2	59.2	59.2
4500	25.8	38.9	45.1	53.7	57.1	58.2	61.8	64.5	65.3	65.9	66.0	66.1	66.1	66.6	66.9	67.2	67.2	67.2	67.2	67.2
4000	28.4	43.7	49.9	59.0	62.8	63.9	67.8	70.5	71.3	72.0	72.3	72.4	72.4	72.8	73.2	73.4	73.4	73.4	73.4	73.4
3500	29.2	44.9	52.3	61.6	65.5	66.7	71.1	73.7	74.5	75.2	75.5	75.6	75.6	76.1	76.5	76.9	76.9	76.9	76.9	76.9
3000	30.7	46.7	54.1	63.6	67.8	69.1	73.5	76.2	77.1	77.8	78.1	78.2	78.2	78.7	79.1	79.4	79.4	79.4	79.4	79.4
2500	31.4	47.6	55.2	65.0	69.3	70.5	75.0	77.7	78.5	79.2	79.6	79.7	79.7	80.1	80.6	80.9	80.9	80.9	80.9	80.9
2000	33.3	49.8	57.7	67.8	72.3	73.5	78.0	80.7	81.6	82.2	82.6	82.7	82.7	83.1	83.6	83.9	83.9	83.9	83.9	83.9
1800	33.5	50.3	58.2	68.5	73.0	74.2	78.7	81.3	82.2	82.9	83.2	83.4	83.4	83.8	84.2	84.6	84.6	84.6	84.6	84.6
1500	35.0	52.0	60.1	70.5	75.1	76.3	80.9	83.6	84.5	85.1	85.5	85.6	85.6	86.0	86.5	86.8	86.8	86.8	86.8	86.8
1200	36.2	53.6	61.8	72.4	77.0	78.2	82.8	85.5	86.4	87.0	87.4	87.5	87.5	87.9	88.4	88.7	88.7	88.7	88.7	88.7
1000	36.5	54.2	62.5	73.1	77.7	78.9	83.5	86.4	87.4	88.0	88.4	88.5	88.5	88.9	89.4	89.7	89.7	89.7	89.7	89.7
900	36.6	54.7	63.0	74.0	78.5	79.8	84.4	87.3	88.3	88.9	89.3	89.4	89.4	89.8	90.3	90.6	90.6	90.6	90.6	90.6
800	36.6	55.2	63.8	75.0	79.7	80.9	85.9	88.9	90.4	91.1	91.4	91.5	91.5	92.0	92.4	92.7	92.7	92.7	92.7	92.7
700	36.9	55.8	64.6	75.9	80.6	81.8	86.8	90.1	91.6	92.3	92.6	92.7	92.7	93.2	93.6	94.0	94.0	94.0	94.0	94.0
600	36.9	56.0	64.8	76.3	81.1	82.3	87.4	90.7	92.3	93.0	93.3	93.4	93.4	93.9	94.3	94.6	94.6	94.6	94.6	94.6
500	36.9	56.1	64.9	76.5	81.3	82.6	87.8	91.2	92.7	93.5	93.9	94.0	94.2	94.6	95.1	95.4	95.4	95.4	95.4	95.4
400	36.9	56.1	64.9	76.5	81.3	82.6	88.7	92.4	94.2	95.1	95.5	95.6	95.9	96.3	96.8	97.1	97.1	97.1	97.1	97.1
300	36.9	56.1	64.9	76.5	81.3	82.6	88.8	92.8	94.7	95.6	96.2	96.4	96.6	97.0	97.2	97.9	97.9	97.9	97.9	97.9
200	36.9	56.1	64.9	76.5	81.3	82.6	88.8	92.8	94.9	95.9	96.6	96.6	97.0	97.9	98.1	98.7	98.7	98.7	98.7	98.7
100	36.9	56.1	64.9	76.5	81.3	82.6	88.8	92.8	94.9	95.9	96.4	96.6	97.0	97.9	98.1	98.7	98.7	98.7	98.7	98.7
0	36.9	56.1	64.9	76.5	81.3	82.6	88.8	92.8	94.9	95.9	96.4	96.6	97.0	97.9	98.1	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 895

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATP WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

600-7800  
COVERED

CEILING FEET	VISIBILITY STATUTE MILES																OP (HUNDREDS OF METERS)			
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥4	≥4	≥3	≥5 16	≥4	≥0				
	GT9	F090	GF80	GF60	GF48	GF40	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF0				
NO CEILING	14.2	23.8	27.3	32.9	34.8	35.1	36.4	36.8	36.9	36.9	37.0	37.0	37.0	37.0	37.1	37.2				
≥ 20000	17.8	28.3	32.6	39.0	41.1	41.6	42.9	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.9	44.0				
≥ 18000	17.8	28.3	32.6	39.0	41.1	41.6	42.9	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.9	44.0				
≥ 16000	17.8	28.3	32.6	39.0	41.1	41.6	42.9	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.9	44.0				
≥ 14000	17.8	28.3	32.6	39.0	41.1	41.6	42.9	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.9	44.0				
≥ 12000	17.9	28.4	32.9	39.3	41.4	41.9	43.2	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.2	44.3				
≥ 10000	18.7	29.3	34.1	40.8	42.9	43.3	44.7	45.4	45.6	45.6	45.7	45.7	45.7	45.7	45.8	45.9				
≥ 9000	19.7	30.6	35.4	42.7	44.8	45.2	46.7	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.9	48.0				
≥ 8000	22.2	34.1	39.2	46.6	48.8	49.4	51.1	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.6				
≥ 7000	22.9	35.3	41.6	48.1	50.3	51.0	52.7	53.6	53.7	53.8	53.9	53.9	53.9	53.9	54.0	54.1				
≥ 6000	23.4	35.9	41.1	48.8	51.0	51.7	53.3	54.2	54.3	54.4	54.6	54.6	54.6	54.6	54.7	54.8				
≥ 5000	25.8	38.7	44.3	52.1	54.3	55.1	56.9	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.4				
≥ 4500	28.4	41.8	47.6	55.3	57.6	58.3	60.1	61.1	61.2	61.3	61.4	61.4	61.4	61.4	61.6	61.7				
≥ 4000	32.9	47.0	53.8	62.4	65.0	65.8	67.8	68.9	69.0	69.1	69.4	69.4	69.4	69.4	69.6	69.7				
≥ 3500	35.1	50.1	57.1	65.9	68.6	69.3	71.4	72.7	72.8	73.0	73.3	73.3	73.4	73.4	73.6	73.7				
≥ 3000	36.7	52.4	59.6	68.8	71.6	72.4	74.8	76.0	76.1	76.3	76.7	76.7	76.8	76.8	76.9	77.0				
≥ 2500	37.8	53.7	61.0	70.7	73.4	74.3	76.7	77.9	78.0	78.2	78.6	78.6	78.7	78.7	78.8	78.9				
≥ 2000	39.7	56.0	63.3	73.3	76.2	77.1	79.6	81.0	81.1	81.3	81.7	81.7	81.8	81.8	81.9	82.0				
≥ 1800	39.9	56.6	63.9	73.9	76.8	77.7	80.1	81.6	81.7	81.9	82.2	82.2	82.3	82.3	82.4	82.6				
≥ 1500	41.4	58.3	65.9	76.2	79.1	80.0	82.4	84.1	84.2	84.4	84.8	84.8	84.9	84.9	85.0	85.1				
≥ 1200	43.0	60.8	68.6	79.2	82.2	83.1	85.7	87.3	87.4	87.7	88.0	88.0	88.1	88.1	88.2	88.3				
≥ 1000	43.3	61.9	69.8	80.6	83.7	84.7	87.3	89.3	89.4	89.7	90.0	90.0	90.1	90.1	90.2	90.3				
≥ 900	43.3	62.1	70.1	81.3	84.6	85.7	88.4	90.6	90.7	90.9	91.2	91.2	91.3	91.3	91.4	91.6				
≥ 800	43.3	62.4	70.4	81.8	85.1	86.2	89.6	92.0	92.1	92.3	92.7	92.7	92.8	92.8	92.9	93.0				
≥ 700	43.4	63.0	71.2	82.6	86.2	87.4	91.0	93.8	93.9	94.1	94.4	94.4	94.6	94.6	94.7	94.8				
≥ 600	43.4	63.1	71.6	83.1	86.8	88.7	91.7	94.6	94.8	95.1	95.4	95.4	95.6	95.6	95.7	95.8				
≥ 500	43.4	63.1	71.6	83.2	87.0	88.2	92.2	95.4	95.7	96.0	96.3	96.3	96.4	96.4	96.6	96.7				
≥ 400	43.4	63.1	71.6	83.2	87.0	88.2	92.4	96.1	96.6	96.9	97.3	97.6	97.7	97.8	97.9	98.2				
≥ 300	43.4	63.1	71.6	83.2	87.0	88.2	92.4	96.1	96.6	97.4	98.0	98.3	98.4	98.7	98.8	99.1				
≥ 200	43.4	63.1	71.6	83.2	87.0	88.2	92.4	96.1	96.6	97.7	98.3	98.8	98.9	99.2	99.6	100.0				
≥ 100	43.4	63.1	71.6	83.2	87.0	88.2	92.4	96.1	96.6	97.7	98.3	98.8	98.9	99.2	99.6	100.0				
≥ 0	43.4	63.1	71.6	83.2	87.0	88.2	92.4	96.1	96.6	97.7	98.3	98.8	98.9	99.2	99.6	100.0				

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831 LAKENHEATH RAF UK

73-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

222-1170

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE9	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE40	≥2.5 GE40	≥2 GE30	≥1.5 GE24	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE10	≥0.8 GE08	≥0.6 GE06	≥0.4 GE04	≥0.2 GE02
NO CEILING	20.9	32.4	33.9	34.7	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 20000	25.0	37.3	38.9	40.1	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 18000	25.0	37.3	38.9	40.1	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 16000	25.0	37.3	38.9	40.1	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 14000	25.2	37.6	39.1	40.3	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 12000	25.2	37.8	39.3	40.6	41.0	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 10000	26.1	39.4	41.0	42.2	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	27.3	40.8	42.3	43.7	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 8000	29.4	43.7	45.4	47.1	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 7000	30.4	45.3	47.2	48.9	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000	30.9	45.8	47.7	49.3	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 5000	33.8	48.9	50.8	52.6	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 4500	36.0	51.3	53.2	55.2	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4000	42.9	60.1	62.4	64.9	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 3500	47.6	66.4	68.8	71.3	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3000	53.9	74.0	76.9	79.6	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2500	56.0	76.6	79.4	82.2	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	57.8	79.9	82.9	86.0	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1800	58.7	81.2	84.3	87.4	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1500	60.0	83.7	87.1	90.4	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	61.3	85.2	88.7	92.7	93.7	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	61.6	85.8	89.4	93.8	95.0	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	61.6	86.2	90.0	94.3	95.6	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	61.6	86.3	90.1	94.8	96.1	96.6	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	61.7	86.6	90.3	95.0	96.6	97.0	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	61.7	86.6	90.3	95.1	96.7	97.1	97.7	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	61.7	86.6	90.3	95.1	96.7	97.2	97.9	98.8	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3
≥ 400	61.7	86.6	90.3	95.2	96.8	97.3	98.0	98.9	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 300	61.7	86.6	90.3	95.2	96.8	97.3	98.0	98.9	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 200	61.7	86.6	90.3	95.2	96.8	97.3	98.0	98.9	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	61.7	86.6	90.3	95.2	96.8	97.3	98.0	98.9	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0	61.7	86.6	90.3	95.2	96.8	97.3	98.0	98.9	99.2	99.8	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35831  
 STATION

LAKENHEATH RAF UK  
 STATION NAME

73-82  
 YEARS

JUN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400  
 HOUR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	22	21	21	21	21	21	21	21	21	20
	GT97	F090	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE0
NO CEILING	19.0	28.7	29.3	30.3	37.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000	25.2	35.7	36.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 18000	25.4	36.0	36.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 6000	25.4	36.0	36.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000	25.4	36.0	36.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 12000	25.6	36.1	36.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 10000	27.0	38.0	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9900	27.8	38.9	39.6	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 8000	31.6	43.1	43.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 7000	32.9	44.7	45.4	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 6000	32.9	44.9	45.7	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
≥ 5000	35.8	48.3	49.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 4500	39.1	53.2	54.1	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 4000	48.2	63.7	64.7	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
IV 3500	64.3	72.4	73.6	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000	63.4	83.1	84.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 2500	66.0	86.8	88.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2000	68.2	89.9	91.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1800	68.8	90.8	92.4	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	68.9	91.8	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1200	69.1	92.4	94.2	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
IV 1000	69.4	92.8	94.7	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 900	69.4	92.9	94.8	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 800	69.4	92.9	94.9	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 700	69.4	93.1	95.1	98.9	99.0	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	69.4	93.1	95.1	98.9	99.0	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500	69.4	93.1	95.1	99.0	99.1	99.2	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	69.4	93.1	95.1	99.0	99.1	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	69.4	93.1	95.1	99.0	99.1	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.4	93.1	95.1	99.0	99.1	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.4	93.1	95.1	99.0	99.1	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.4	93.1	95.1	99.0	99.1	99.2	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035R31  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-87  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

15:00-17:00  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 EQ9.0	≥5 GF8.0	≥4 GE6.0	≥3 GE4.8	≥2.5 GE4.0	≥2 GE3.2	≥1.5 GE2.4	≥1.2 GE2.0	≥1 GE1.6	≥0.75 GE1.2	≥0.5 GE1.0	≥0.25 GE0.8	≥0.16 GE0.5	≥0.1 GE0.4	≥0.05 GE0.2
NO CEILING	18.9	28.7	29.3	30.0	37.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 20000	24.2	34.7	35.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 18000	24.3	34.8	35.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	24.3	34.8	35.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	24.3	34.8	35.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 12000	24.4	34.9	35.6	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 10000	26.7	37.2	38.1	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 9000	28.6	39.2	40.1	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
≥ 8000	31.7	42.9	43.8	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 7000	33.7	45.8	46.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 6000	33.9	46.0	46.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 5000	39.4	53.0	53.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	44.8	59.1	60.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4000	52.9	69.8	70.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	60.0	80.0	81.0	82.1	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 3000	65.9	87.9	89.0	90.4	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2500	67.4	90.1	91.3	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	68.8	92.4	94.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	69.2	92.9	94.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	69.2	93.2	94.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	69.6	93.8	95.4	98.2	98.3	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	69.6	93.8	95.6	98.3	98.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	69.6	93.8	95.6	98.3	98.4	98.4	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	69.6	93.8	95.9	98.7	98.8	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	69.6	93.8	95.9	98.7	98.8	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	69.6	93.8	95.9	98.7	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	69.6	93.8	95.9	98.7	98.8	98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	69.6	93.8	95.9	98.7	98.8	98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	69.6	93.8	95.9	98.7	98.8	98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.6	93.8	95.9	98.7	98.8	98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.6	93.8	95.9	98.7	98.8	98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	69.6	93.8	95.9	98.7	98.8	98.8	99.2	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 35831 LAKENHEATH RAF UK

YEARS 73-82

MONTH JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2.2	≥1.7	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
	GT9	FQ90	GF87	GE60	GF48	GE40	GF32	GE24	GE20	GF16	GF12	GF10	GF08	GF05	GF04	GF03
NO CEILING	23.0	36.0	36.6	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	27.9	42.4	43.0	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
≥ 18000	28.1	42.7	43.2	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 16000	28.2	42.8	43.3	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 14000	28.3	43.0	43.6	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 12000	28.4	43.3	43.9	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	30.1	46.1	46.8	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 9000	31.6	47.0	48.4	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 8000	34.1	50.8	51.4	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 7000	36.8	53.7	54.3	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 6000	37.1	54.1	54.8	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 5000	42.3	60.4	61.3	62.3	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	47.9	67.2	68.3	69.4	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	55.1	76.6	78.1	79.6	79.9	80.0	80.2	80.3	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500	58.4	81.1	82.8	84.6	84.9	85.0	85.2	85.3	85.3	85.6	85.6	85.6	85.6	85.7	85.7	85.7
≥ 3000	61.8	86.1	87.9	90.0	90.3	90.6	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 2500	62.3	87.0	88.9	91.0	91.3	91.6	91.8	91.9	91.9	92.1	92.1	92.1	92.1	92.2	92.2	92.2
≥ 2000	64.2	89.4	91.6	93.8	94.1	94.3	94.6	94.7	94.7	94.9	94.9	94.9	94.9	95.0	95.0	95.0
≥ 1800	64.7	90.0	92.2	94.4	94.8	95.0	95.2	95.3	95.3	95.6	95.6	95.6	95.6	95.7	95.7	95.7
≥ 1500	64.9	90.3	92.6	94.9	95.2	95.4	95.8	95.9	95.9	96.1	96.1	96.1	96.1	96.2	96.2	96.2
≥ 1200	65.0	90.6	92.9	95.7	96.2	96.4	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 1000	65.1	91.1	93.6	96.3	96.9	97.1	97.6	97.7	97.7	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 900	65.1	91.1	93.6	96.3	96.9	97.1	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 800	65.1	91.6	94.7	96.9	97.4	97.8	98.6	98.7	98.7	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 700	65.1	91.6	94.7	96.9	97.4	97.8	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 600	65.1	91.6	94.7	97.1	97.7	98.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 500	65.1	91.6	94.0	97.1	97.7	98.0	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 400	65.1	91.6	94.0	97.1	97.7	98.0	99.0	99.2	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 300	65.1	91.6	94.0	97.1	97.7	98.0	99.0	99.2	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8
≥ 200	65.1	91.6	94.0	97.1	97.7	98.0	99.0	99.2	99.3	99.6	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	65.1	91.6	94.0	97.1	97.7	98.0	99.0	99.2	99.3	99.6	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	65.1	91.6	94.0	97.1	97.7	98.0	99.0	99.2	99.3	99.6	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

15831 LAKENHEATH RAF UK

73-87

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

010-2300

CEILING FEET	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	5700	5000	4000	3000	2000	1500	1000	800	700	600	500	400	300	200	100	0
5000	23.0	37.0	47.7	42.3	47.7	42.8	43.0	43.7	43.7	43.7	43.0	43.7	43.0	43.0	43.0	43.0
4000	26.8	41.6	44.9	47.6	47.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
3000	27.2	42.1	45.4	48.1	48.4	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
2000	27.2	42.1	45.4	48.1	48.4	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
1500	27.4	42.4	45.8	48.4	48.8	48.9	49.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
1000	28.7	44.4	48.1	50.9	51.7	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
800	29.8	45.9	49.4	52.8	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
700	33.1	49.7	53.3	56.3	56.7	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
600	33.4	51.2	55.7	58.4	58.8	58.9	59.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
500	34.3	51.8	55.9	59.0	59.3	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
400	37.8	55.9	67.4	63.8	64.1	64.2	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
300	44.3	63.7	68.4	72.0	72.3	72.4	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
200	49.1	69.4	75.7	78.9	79.2	79.3	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
100	51.8	73.4	79.7	83.1	83.4	83.4	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
0	54.3	76.6	82.7	87.2	87.6	87.7	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
2500	54.8	77.2	83.7	88.2	88.6	88.7	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
2000	56.2	79.0	85.6	90.1	90.4	90.6	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
1800	56.4	79.4	86.0	91.6	91.9	91.9	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
1500	57.3	80.6	87.1	91.9	92.2	92.3	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
1200	57.7	81.3	88.0	92.8	93.1	93.2	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1000	57.8	81.8	88.7	93.4	93.8	93.9	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
900	57.9		88.8	93.7	94.0	94.1	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
800	58.		89.7	94.8	95.1	95.2	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
700	58.			95.3	95.8	95.9	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
600	58.			95.8	96.4	96.6	97.7	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
500	58.			96.0	96.7	96.8	98.1	98.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
400	58.			96.0	96.7	96.8	98.1	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
300	58.1			96.1	96.8	96.9	98.4	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	58.1		90.2	96.1	96.8	96.9	98.4	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	58.1	82.7	90.2	96.1	96.8	96.9	98.4	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	58.1	82.7	90.2	96.1	96.8	96.9	98.4	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035931 LAKENHEATH RAF UK

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	19.4	30.4	32.6	35.2	35.9	36.1	36.8	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.4	37.4
≥ 20000	23.3	35.3	37.7	40.7	41.5	41.7	42.4	42.8	42.9	43.0	43.0	43.0	43.0	43.1	43.1	43.2
≥ 18000	23.4	35.5	37.9	40.9	41.7	41.9	42.6	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.3	43.3
≥ 16000	23.5	35.5	37.9	40.9	41.7	41.9	42.6	43.0	43.1	43.2	43.2	43.2	43.2	43.3	43.3	43.3
≥ 14000	23.5	35.6	37.9	41.0	41.8	41.9	42.7	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.4	43.4
≥ 12000	23.6	35.7	38.1	41.2	42.0	42.2	42.9	43.3	43.4	43.5	43.5	43.5	43.5	43.6	43.6	43.7
≥ 10000	24.9	37.5	41.0	43.2	44.0	44.2	45.0	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.7	45.7
≥ 9000	25.9	38.7	41.4	44.7	45.5	45.7	46.6	47.0	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.4
≥ 8000	28.7	42.2	45.1	48.5	49.4	49.7	50.5	50.9	51.0	51.1	51.2	51.2	51.2	51.2	51.3	51.3
≥ 7000	37.0	44.0	46.9	50.5	51.4	51.7	52.5	53.0	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.4
≥ 6000	37.3	44.4	47.3	50.9	51.8	52.1	53.0	53.4	53.5	53.6	53.6	53.6	53.6	53.7	53.8	53.8
≥ 5000	33.9	48.6	51.8	55.6	56.6	56.9	57.8	58.3	58.4	58.5	58.5	58.6	58.6	58.6	58.7	58.7
≥ 4500	38.1	53.9	57.3	61.2	62.2	62.5	63.5	64.1	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.5
≥ 4000	44.1	61.4	65.2	69.5	70.6	71.0	72.1	72.7	72.8	72.9	73.0	73.0	73.0	73.1	73.1	73.2
≥ 3500	47.6	66.5	70.5	75.0	76.2	76.5	77.8	78.3	78.5	78.6	78.7	78.7	78.7	78.8	78.9	79.0
≥ 3000	51.7	71.6	75.9	81.6	81.9	82.2	83.6	84.2	84.3	84.5	84.5	84.6	84.6	84.7	84.8	84.8
≥ 2500	53.1	73.3	77.7	82.6	83.9	84.3	85.6	86.2	86.3	86.5	86.6	86.6	86.6	86.7	86.8	86.8
≥ 2000	54.7	75.7	80.3	85.5	86.8	87.2	88.6	89.2	89.3	89.5	89.6	89.6	89.7	89.7	89.8	89.8
≥ 1800	55.1	76.3	81.0	86.2	87.5	87.9	89.3	89.9	90.0	90.2	90.3	90.3	90.3	90.4	90.5	90.5
≥ 1500	56.1	77.7	82.4	87.9	89.2	89.6	91.0	91.7	91.8	91.9	92.0	92.1	92.1	92.2	92.2	92.3
≥ 1200	56.8	78.8	83.7	89.4	90.8	91.2	92.7	93.4	93.5	93.6	93.7	93.8	93.8	93.9	93.9	94.0
≥ 1000	57.3	79.3	84.3	90.1	91.5	92.0	93.5	94.3	94.4	94.6	94.6	94.7	94.7	94.8	94.8	94.9
≥ 900	57.1	79.6	84.6	90.5	92.0	92.5	94.0	94.8	94.9	95.1	95.2	95.2	95.2	95.3	95.4	95.4
≥ 800	57.2	79.9	85.1	91.2	92.7	93.2	94.9	95.8	96.0	96.1	96.2	96.2	96.2	96.3	96.4	96.5
≥ 700	57.2	80.2	85.4	91.6	93.2	93.7	95.5	96.5	96.7	96.9	97.0	97.1	97.1	97.2	97.2	97.3
≥ 600	57.2	80.3	85.5	91.9	93.6	94.1	95.9	96.9	97.2	97.4	97.5	97.6	97.6	97.7	97.7	97.8
≥ 500	57.2	80.3	85.6	92.0	93.7	94.3	96.2	97.4	97.7	97.9	98.0	98.1	98.1	98.2	98.3	98.3
≥ 400	57.2	80.3	85.6	92.1	93.8	94.3	96.5	97.9	98.3	98.6	98.7	98.8	98.8	98.9	99.0	99.1
≥ 300	57.2	80.3	85.6	92.1	93.8	94.4	96.6	98.0	98.4	98.8	99.0	99.1	99.1	99.2	99.4	99.5
≥ 200	57.2	80.3	85.6	92.1	93.8	94.4	96.6	98.1	98.5	99.0	99.2	99.3	99.3	99.4	99.5	99.5
≥ 100	57.2	80.3	85.6	92.1	93.8	94.4	96.6	98.2	98.5	99.0	99.2	99.3	99.3	99.4	99.6	99.8
≥ 0	57.2	80.3	85.6	92.1	93.8	94.4	96.6	98.1	98.5	99.0	99.2	99.3	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7195

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 FIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

135831 LAKENHEATH RAF UK

73-87

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

000-0200  
 HOUR 1-4

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE32	≥1.5 GE24	≥1 GE20	≥0.75 GE16	≥0.5 GE12	≥0.3 GE10	≥0.2 GE08	≥0.15 GE05	≥0.1 GE04	≥0.05 GE02
NO CEILING	31.4	41.5	45.1	47.0	47.7	48.1	49.1	49.4	49.5	49.5	49.6	49.6	49.7	49.8	49.8	49.8
≥ 20000	34.3	44.7	48.4	50.4	51.2	51.5	52.6	52.8	52.9	52.9	53.0	53.0	53.1	53.2	53.2	53.2
IV ≥ 18000	34.3	44.7	48.4	50.4	51.2	51.5	52.6	52.8	52.9	52.9	53.0	53.0	53.1	53.2	53.2	53.2
IV ≥ 16000	34.3	44.7	48.4	50.4	51.2	51.5	52.6	52.8	52.9	52.9	53.0	53.0	53.1	53.2	53.2	53.2
IV ≥ 14000	34.3	44.7	48.4	50.4	51.2	51.5	52.6	52.8	52.9	52.9	53.0	53.0	53.1	53.2	53.2	53.2
IV ≥ 12000	34.3	44.8	48.5	50.5	51.3	51.6	52.7	52.9	53.0	53.0	53.1	53.1	53.2	53.3	53.3	53.3
IV ≥ 10000	35.3	46.8	50.4	52.5	53.2	53.5	54.6	54.8	54.9	54.9	55.1	55.1	55.2	55.3	55.3	55.3
IV ≥ 9000	35.5	47.1	50.8	52.8	53.5	53.9	54.9	55.2	55.3	55.3	55.4	55.4	55.5	55.6	55.6	55.6
IV ≥ 8000	38.7	51.8	55.7	57.7	58.5	58.8	60.0	60.2	60.3	60.4	60.5	60.5	60.6	60.8	60.8	60.8
IV ≥ 7000	39.5	54.0	58.0	60.2	61.0	61.3	62.5	62.7	62.8	62.9	63.0	63.0	63.1	63.2	63.2	63.2
IV ≥ 6000	39.7	54.4	58.4	60.6	61.4	61.7	62.9	63.1	63.2	63.3	63.4	63.4	63.5	63.7	63.7	63.7
IV ≥ 5000	42.2	57.3	61.4	64.1	64.8	65.2	66.3	66.6	66.7	66.8	66.9	66.9	67.0	67.1	67.1	67.1
IV ≥ 4500	44.8	60.6	64.9	67.7	68.5	68.8	70.0	70.2	70.3	70.4	70.5	70.5	70.6	70.8	70.8	70.8
IV ≥ 4000	49.7	66.6	71.3	74.1	75.1	75.4	76.6	76.8	76.9	77.1	77.2	77.2	77.3	77.4	77.4	77.4
IV ≥ 3500	52.5	69.7	74.8	77.7	78.7	79.0	80.2	80.4	80.5	80.8	80.9	80.9	81.0	81.1	81.1	81.1
IV ≥ 3000	53.8	72.4	77.6	80.5	81.5	81.8	83.0	83.2	83.3	83.5	83.7	83.7	83.8	83.9	83.9	83.9
IV ≥ 2500	54.8	73.8	79.2	82.5	83.4	83.8	84.9	85.2	85.3	85.5	85.6	85.6	85.7	85.8	85.8	85.8
IV ≥ 2000	56.9	76.0	81.9	85.8	86.9	87.3	88.5	88.7	88.8	89.0	89.1	89.1	89.2	89.4	89.4	89.4
IV ≥ 1800	57.2	76.7	82.7	86.7	87.7	88.2	89.4	89.6	89.7	89.9	90.0	90.0	90.1	90.2	90.2	90.2
IV ≥ 1500	58.8	78.6	84.6	88.6	89.7	90.1	91.3	91.5	91.6	91.9	92.0	92.0	92.2	92.3	92.3	92.3
IV ≥ 1200	59.8	80.1	86.5	90.4	91.8	92.3	93.5	93.8	93.9	94.2	94.3	94.3	94.4	94.5	94.5	94.5
IV ≥ 1000	60.2	80.9	87.7	91.7	93.1	93.5	94.8	95.2	95.4	95.8	96.0	96.0	96.1	96.2	96.2	96.2
IV ≥ 900	60.3	81.0	87.8	91.8	93.2	93.7	94.9	95.3	95.5	95.9	96.1	96.1	96.2	96.3	96.5	96.5
IV ≥ 800	60.4	81.2	88.6	92.6	94.0	94.4	95.7	96.0	96.3	96.8	97.0	97.0	97.1	97.2	97.3	97.3
IV ≥ 700	60.4	81.3	88.8	92.9	94.3	94.7	96.0	96.3	96.7	97.1	97.3	97.3	97.4	97.5	97.6	97.6
IV ≥ 600	60.4	81.3	89.0	93.5	94.9	95.4	96.7	97.0	97.3	97.7	98.0	98.0	98.1	98.2	98.3	98.3
IV ≥ 500	60.5	81.7	89.8	94.3	95.8	96.2	97.6	98.0	98.3	98.7	98.9	98.9	99.0	99.1	99.2	99.2
IV ≥ 400	60.5	81.7	89.8	94.3	95.8	96.2	97.6	98.0	98.3	98.7	98.9	98.9	99.0	99.1	99.2	99.2
IV ≥ 300	60.5	81.7	89.8	94.3	95.8	96.2	97.7	98.1	98.5	98.9	99.1	99.1	99.2	99.4	99.5	99.5
IV ≥ 200	60.5	81.7	89.8	94.3	95.8	96.2	97.7	98.1	98.5	98.9	99.1	99.1	99.4	99.6	99.7	99.8
IV ≥ 100	60.5	81.7	89.8	94.3	95.8	96.2	97.7	98.1	98.5	98.9	99.1	99.1	99.4	99.6	99.7	100.0
IV ≥ 0	60.5	81.7	89.8	94.3	95.8	96.2	97.7	98.1	98.5	98.9	99.1	99.1	99.4	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

175831

LAKENHEATH RAF UK

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

330-3500

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	210	24	25	24	23	22	21	21	21	21	24	24	21	2510	21	20	20	20	20	
	GT9	F090	GE87	GE60	GE48	GE40	GE32	GE28	GE22	GE16	GE12	GE10	GE08	GE05	GE04	GE04	GE04	GE04	GE04	
NO CEILING	14.9	22.2	25.9	30.0	37.9	30.9	32.4	33.4	33.7	34.6	34.8	34.9	34.9	35.2	35.2	35.2	35.2	35.2	35.7	
27000	16.6	24.0	28.3	33.0	39.0	39.0	35.6	36.7	36.9	38.0	38.3	38.4	38.4	38.6	38.6	38.6	38.6	38.6	39.2	
IV 18000	16.6	24.1	28.4	33.1	34.1	34.1	35.7	36.8	37.0	38.1	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	39.4	
IV 6000	16.6	24.1	28.4	33.1	34.1	34.1	35.7	36.8	37.0	38.1	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	39.4	
IV 14000	16.6	24.1	28.4	33.1	34.1	34.1	35.7	36.8	37.0	38.1	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	39.4	
IV 12000	16.6	24.3	28.6	33.3	34.3	34.3	35.9	37.0	37.2	38.3	38.6	38.7	38.7	38.9	38.9	38.9	38.9	38.9	39.6	
IV 10000	17.2	25.8	30.3	35.2	36.2	36.2	37.8	38.9	39.1	40.2	40.5	40.6	40.6	40.9	40.9	40.9	40.9	40.9	41.5	
IV 9000	17.6	26.3	31.0	35.8	37.0	37.0	38.6	39.7	39.9	41.0	41.3	41.4	41.4	41.6	41.6	41.6	41.6	41.6	42.3	
IV 8000	22.5	33.4	38.6	44.1	45.5	45.5	47.6	48.8	49.0	50.5	51.0	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.9	
IV 7000	23.3	35.6	40.9	46.6	48.1	48.1	50.2	51.4	51.6	53.1	53.5	53.7	53.7	53.9	53.9	53.9	53.9	53.9	54.5	
IV 6000	23.7	36.0	41.6	47.3	48.8	48.8	51.0	52.2	52.4	53.9	54.3	54.4	54.4	54.6	54.6	54.6	54.6	54.6	55.3	
IV 5000	27.1	40.0	46.1	52.3	54.3	54.3	56.9	58.2	58.4	59.9	60.3	60.4	60.4	60.6	60.6	60.6	60.6	60.6	61.3	
IV 4500	37.3	44.6	51.1	58.0	60.2	60.2	62.8	64.1	64.3	65.8	66.2	66.3	66.3	66.6	66.6	66.6	66.6	66.6	67.2	
IV 4000	38.1	49.2	56.7	63.7	66.3	66.3	69.2	70.5	70.8	72.3	72.7	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.7	
IV 3500	34.8	51.3	59.1	66.7	69.4	69.4	72.3	73.5	73.8	75.3	75.7	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.7	
IV 3000	37.2	54.8	63.1	70.8	73.4	73.4	76.5	78.0	78.2	79.7	80.1	80.2	80.2	80.4	80.4	80.4	80.4	80.4	81.1	
IV 2500	38.7	56.9	65.1	72.9	75.7	75.7	78.7	80.2	80.4	81.9	82.4	82.5	82.5	82.7	82.7	82.7	82.7	82.7	83.3	
IV 2000	40.0	58.7	67.6	75.6	78.6	78.6	81.7	83.3	83.5	85.1	85.5	85.6	85.6	85.8	85.8	85.8	85.8	85.8	86.5	
IV 1800	40.5	59.2	68.4	76.3	79.4	79.4	82.5	84.1	84.3	85.8	86.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	87.2	
IV 1500	41.6	61.0	70.2	78.7	81.9	81.9	85.1	86.8	87.0	88.5	89.0	89.1	89.1	89.4	89.4	89.4	89.4	89.4	90.0	
IV 1200	42.7	62.6	72.0	80.6	83.9	84.1	87.0	88.7	88.9	90.4	91.0	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.9	
IV 1000	42.9	62.8	72.6	81.2	84.4	84.6	87.5	89.2	89.5	91.0	91.5	91.6	91.6	91.8	91.8	91.8	91.8	91.8	92.5	
IV 900	43.0	63.1	73.0	81.7	85.1	85.3	88.2	89.9	90.1	91.6	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	93.1	
IV 800	43.3	63.5	73.8	83.0	86.3	86.6	89.5	91.2	91.4	92.9	93.4	93.5	93.5	93.8	93.8	93.8	93.8	93.8	94.4	
IV 700	43.3	63.7	74.0	83.7	87.0	87.2	90.1	92.0	92.3	93.8	94.3	94.4	94.4	94.7	94.7	94.7	94.7	94.7	95.4	
IV 600	43.3	63.8	74.2	83.9	87.2	87.4	90.3	92.3	92.5	94.0	94.5	94.6	94.6	94.9	94.9	94.9	94.9	94.9	95.6	
IV 500	43.3	64.0	74.6	85.1	88.4	88.6	91.5	93.4	93.7	95.2	95.8	96.0	96.0	96.3	96.3	96.3	96.3	96.3	97.0	
IV 400	43.3	64.2	74.8	85.5	88.9	89.1	92.2	94.1	94.5	96.1	96.8	97.0	97.0	97.3	97.3	97.3	97.3	97.3	98.1	
IV 300	43.3	64.2	74.8	85.5	88.9	89.1	92.2	94.2	94.7	96.5	97.1	97.3	97.3	97.6	97.6	97.6	97.6	97.6	98.8	
IV 200	43.3	64.2	74.8	85.5	88.9	89.1	92.2	94.2	94.7	96.5	97.2	97.6	97.6	97.8	97.8	97.8	97.8	97.8	99.7	
IV 100	43.3	64.2	74.8	85.5	88.9	89.1	92.2	94.2	94.7	96.5	97.2	97.6	97.6	97.8	97.8	97.8	97.8	97.8	100.0	
IV 0	43.3	64.2	74.8	85.5	88.9	89.1	92.2	94.2	94.7	96.5	97.2	97.6	97.6	97.8	97.8	97.8	97.8	97.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-87  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

600-0800  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	<sup>20</sup> GE90	<sup>26</sup> GE90	<sup>25</sup> GE87	<sup>24</sup> GE60	<sup>23</sup> GE40	<sup>22</sup> GE40	<sup>22</sup> GE32	<sup>21</sup> GE24	<sup>21</sup> GE20	<sup>21</sup> GE16	<sup>20</sup> GE12	<sup>20</sup> GE10	<sup>20</sup> GE08	<sup>20</sup> GE05	<sup>20</sup> GE04	<sup>20</sup> GE0
NO CEILING	17.1	23.8	25.9	29.5	37.8	37.9	31.8	31.8	31.8	32.1	32.1	32.1	32.2	32.3	32.3	32.3
≥ 20000	19.3	27.6	30.4	34.1	35.5	35.6	36.2	36.5	36.5	36.8	36.8	36.8	36.9	37.0	37.0	37.2
IV 18000	19.3	27.6	30.4	34.1	35.5	35.6	36.2	36.5	36.5	36.8	36.8	36.8	36.9	37.0	37.0	37.2
IV 16000	19.3	27.6	30.4	34.1	35.5	35.6	36.2	36.5	36.5	36.8	36.8	36.8	36.9	37.0	37.0	37.2
IV 14000	19.5	27.9	30.7	34.4	35.8	36.0	36.5	36.8	36.8	37.1	37.1	37.1	37.2	37.4	37.4	37.6
IV 12000	19.7	28.1	30.9	34.7	36.1	36.2	36.7	37.0	37.0	37.4	37.4	37.4	37.5	37.6	37.6	37.8
IV 10000	19.9	28.7	31.6	35.5	36.9	37.1	37.7	38.0	38.0	38.3	38.3	38.3	38.4	38.5	38.5	38.8
IV 9000	20.6	29.6	32.6	36.6	38.0	38.2	38.8	39.1	39.1	39.4	39.4	39.4	39.5	39.6	39.6	39.8
IV 8000	24.4	35.4	38.8	43.5	45.0	45.2	46.1	46.4	46.4	46.7	46.8	46.8	46.9	47.0	47.0	47.3
IV 7000	25.2	37.3	40.8	45.7	47.3	47.5	48.4	48.8	48.8	49.1	49.2	49.2	49.3	49.4	49.4	49.6
IV 6000	25.5	37.5	41.3	46.5	48.0	48.2	49.2	49.5	49.5	49.8	49.9	49.9	50.1	50.2	50.2	50.4
IV 5000	29.8	42.5	46.7	52.5	54.1	54.4	55.4	56.0	56.0	56.3	56.4	56.4	56.5	56.6	56.6	56.8
IV 4500	33.9	47.6	52.1	58.7	60.4	60.6	61.7	62.2	62.2	62.5	62.6	62.6	62.8	62.9	62.9	63.1
IV 4000	37.9	52.4	57.9	65.2	67.2	67.4	68.5	69.1	69.1	69.6	69.8	69.8	69.9	70.0	70.0	70.2
IV 3500	40.4	55.7	61.8	69.3	71.4	71.6	72.8	73.4	73.4	74.0	74.1	74.1	74.2	74.3	74.3	74.5
IV 3000	42.4	58.0	64.2	71.8	73.8	74.1	75.3	76.1	76.1	76.6	76.7	76.7	76.9	77.0	77.0	77.2
IV 2500	43.5	59.2	65.3	73.1	75.2	75.5	76.7	77.5	77.5	78.1	78.3	78.3	78.4	78.5	78.5	78.7
IV 2000	46.1	63.5	69.8	77.9	80.1	80.4	81.7	82.5	82.5	83.2	83.3	83.3	83.4	83.5	83.5	83.7
IV 1800	46.5	64.4	70.9	79.1	81.3	81.6	82.9	83.6	83.6	84.4	84.5	84.5	84.6	84.7	84.7	84.9
IV 1500	47.4	65.8	72.6	80.8	83.2	83.5	84.8	85.6	85.6	86.3	86.4	86.4	86.5	86.7	86.7	86.9
IV 1200	49.6	68.5	75.2	83.9	86.2	86.5	87.9	88.7	88.7	89.5	89.7	89.7	89.8	89.9	89.9	90.1
IV 1000	49.9	69.3	76.3	85.0	87.5	87.8	89.2	90.0	90.0	90.7	91.0	91.0	91.1	91.2	91.2	91.4
IV 900	50.1	69.8	76.9	85.8	88.4	88.7	90.1	90.9	90.9	91.6	91.8	91.8	91.9	92.0	92.0	92.2
IV 800	50.7	70.7	77.8	87.2	90.2	90.5	92.1	93.0	93.0	93.8	94.0	94.0	94.1	94.2	94.2	94.4
IV 700	50.7	70.9	78.1	87.9	91.4	91.7	93.4	94.4	94.4	95.2	95.4	95.4	95.5	95.6	95.6	95.8
IV 600	50.7	70.9	78.1	87.9	91.4	91.7	93.4	94.4	94.4	95.2	95.4	95.4	95.5	95.6	95.6	95.8
IV 500	50.7	71.0	78.5	88.8	92.5	92.8	94.6	96.0	96.0	96.9	97.3	97.3	97.4	97.5	97.5	97.7
IV 400	50.7	71.0	78.6	88.9	92.7	93.0	94.9	96.4	96.4	97.4	97.8	97.8	98.0	98.1	98.2	98.4
IV 300	50.7	71.0	78.6	88.9	92.7	93.0	95.0	96.6	96.6	97.5	98.1	98.2	98.3	98.6	98.8	99.0
IV 200	50.7	71.0	78.6	88.9	92.7	93.0	95.0	96.6	96.6	97.6	98.2	98.4	98.6	98.9	99.1	99.5
IV 100	50.7	71.0	78.6	88.9	92.7	93.0	95.0	96.6	96.6	97.6	98.2	98.4	98.6	99.1	99.5	100.0
IV 0	50.7	71.0	78.6	88.9	92.7	93.0	95.0	96.6	96.6	97.6	98.2	98.4	98.6	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75931  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEAR

III  
SEASON

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

930-1100  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
	GT9	F090	GF80	GF60	GF40	GF20	GF10	GF5	GF2.5	GF1.5	GF1	GF0.8	GF0.6	GF0.5	GF0.4	GF0.3	GF0.2	GF0.1	GF0.05	GF0.025	GF0.01	GF0.005	GF0.0025	GF0.001	GF0.0005	GF0.00025	GF0.0001	GF0.00005				
NO CEILING ≥ 20000	19.0	25.6	26.3	27.2	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5				
IVM 18000	21.9	29.5	30.4	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6				
IVM 16000	21.9	29.5	30.4	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6				
IVM 14000	21.9	29.5	30.4	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6				
IVM 12000	21.9	29.5	30.4	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6				
IVM 10000	22.7	31.3	32.4	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7				
IVM 9000	23.3	32.2	33.2	34.2	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5				
IVM 8000	27.4	37.6	39.5	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4				
IVM 7000	29.1	40.3	42.2	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1				
IVM 6000	29.6	40.8	42.7	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6				
IVM 5000	33.5	45.6	47.5	49.2	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	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7				
IVM 4500	38.1	50.2	52.2	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3				
IVM 4000	44.5	58.6	60.9	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0				
IVM 3500	50.5	65.2	67.6	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8				
IVM 3000	55.4	70.5	73.0	74.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2				
IVM 2500	57.3	73.4	75.9	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1				
IVM 2000	61.1	78.0	81.7	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0				
IVM 1800	62.4	80.0	83.8	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0				
IVM 1500	64.2	84.1	87.3	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7				
IVM 1200	65.8	87.4	91.2	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1				
IVM 1000	66.1	88.1	92.3	94.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9				
IVM 900	66.1	88.1	92.3	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1				
IVM 800	66.5	88.5	92.9	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1				
IVM 700	66.5	88.5	92.9	96.5	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	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7				
IVM 600	66.5	88.8	93.3	96.5	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	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7				
IVM 500	66.5	88.8	93.3	96.6	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	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8				
IVM 400	66.5	88.8	93.3	96.6	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	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8				
IVM 300	66.5	88.8	93.3	96.6	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	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8				
IVM 200	66.5	88.8	93.3	96.6	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	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8				
IVM 100	66.5	88.8	93.3	96.6	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	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8				
IVM 0	66.5	88.8	93.3	96.6	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	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8				

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

034931  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

170-1900  
YEAR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	<sup>210</sup> GT9.7	<sup>26</sup> EQ9.0	<sup>25</sup> GE8.0	<sup>24</sup> GE6.0	<sup>23</sup> GE4.8	<sup>22.5</sup> GE4.0	<sup>22</sup> GE3.2	<sup>21.5</sup> GE2.4	<sup>21</sup> GE2.0	<sup>21</sup> GE1.6	<sup>20.5</sup> GE1.2	<sup>20</sup> GE1.0	<sup>20</sup> GE0.8	<sup>20</sup> GE0.5	<sup>20</sup> GE0.4	<sup>20</sup> GE0.3
NO CEILING	18.5	22.2	22.9	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 20000	21.0	25.8	26.7	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV W 18000	21.9	25.8	26.7	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV W 16000	21.7	25.8	26.7	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV W 14000	21.9	25.8	26.7	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV W 12000	21.2	26.3	27.1	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
IV W 10000	21.7	27.0	27.9	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
IV W 9000	22.2	27.9	28.7	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
IV W 8000	26.3	33.6	34.4	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
IV W 7000	27.2	35.3	36.3	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV W 6000	27.3	35.4	36.5	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV W 5000	32.2	41.3	42.5	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV W 4500	39.4	50.3	51.6	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV W 4000	49.3	62.4	64.3	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV W 3500	56.1	71.8	73.8	74.9	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV W 3000	61.4	78.8	80.8	81.9	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV W 2500	63.4	82.3	84.4	85.8	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV W 2000	68.4	88.4	90.4	91.9	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV W 1800	69.0	89.5	91.5	93.0	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV W 1500	70.0	91.5	93.6	95.2	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV W 1200	70.9	93.0	95.3	97.0	97.6	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV W 1000	70.9	93.3	95.9	97.6	98.4	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV W 900	70.9	93.4	96.0	97.7	98.5	98.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV W 800	70.9	93.4	96.0	97.7	98.5	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV W 700	70.9	93.4	96.0	97.7	98.5	98.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV W 600	70.9	93.5	96.1	97.8	98.6	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV W 500	70.9	93.5	96.1	97.8	98.6	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV W 400	70.9	93.5	96.1	97.8	98.6	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV W 300	70.9	93.5	96.1	97.8	98.6	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV W 200	70.9	93.5	96.1	97.8	98.6	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV W 100	70.9	93.5	96.1	97.8	98.6	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV W 0	70.9	93.5	96.1	97.8	98.6	98.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AWP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	10 GT9.0	20 EQ9.0	25 GF8.7	26 GF6.0	23 GF4.8	27 GF4.0	22 GF3.2	21 GF2.4	21 GF2.7	21 GF1.6	24 GF1.7	24 GF1.0	27 GF0.8	25 GF0.5	26 GF0.4	20 GF0.0
NO CEILING	22.2	25.6	26.2	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 20000	26.1	31.1	31.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 18000	26.3	31.3	31.9	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 16000	26.3	31.3	31.9	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 14000	26.5	31.4	32.7	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 12000	26.9	32.3	32.9	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 10000	27.2	33.3	34.1	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 9000	27.6	34.2	34.9	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 8000	33.1	41.5	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	34.3	43.7	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 6000	34.6	44.3	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 5000	39.6	50.4	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 4500	46.6	60.0	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	57.1	73.1	74.6	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3500	62.7	80.0	81.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3000	66.3	85.4	87.1	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	68.9	88.8	90.8	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000	70.6	91.3	93.2	94.8	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	77.6	91.8	93.8	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1500	71.5	93.7	95.3	97.1	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	71.4	94.3	96.8	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	72.0	94.5	97.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3SR31 LAKENHEATH RAF UK

73-87

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1400-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	GE 8	GE 9	GE 10	GE 12	GE 14	GE 16	GE 18	GE 20	GE 22	GE 24	GE 26	GE 28	GE 30	GE 32	GE 34	GE 36
NO CEILING	32.3	41.9	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
M 20000	32.3	41.9	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
M 18000	32.5	42.2	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
M 16000	32.5	42.2	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
M 14000	32.5	42.2	43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
M 12000	32.6	42.7	43.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
M 10000	33.5	44.2	45.4	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
M 9000	34.2	45.5	46.7	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
M 8000	39.4	53.0	54.4	55.1	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
M 7000	47.6	55.2	56.6	57.2	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
M 6000	40.8	55.7	57.1	57.7	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
M 5000	44.5	61.0	62.5	63.1	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
M 4500	57.1	68.5	70.1	71.7	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
M 4000	57.3	77.3	79.1	80.9	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
M 3500	67.7	80.6	82.5	84.3	84.5	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
M 3000	62.0	83.9	85.8	87.8	88.2	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
M 2500	63.5	85.9	88.1	90.6	91.1	91.1	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
M 2000	65.4	88.2	90.3	93.2	93.7	93.7	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
M 1800	65.4	88.5	90.6	93.5	94.1	94.1	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
M 1500	66.7	90.0	92.2	95.1	95.6	95.6	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
M 1200	67.1	90.8	92.9	95.9	96.5	96.6	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
M 1000	67.3	91.7	94.1	97.1	97.7	97.8	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
M 900	67.3	91.8	94.2	97.2	97.8	98.0	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
M 800	67.3	91.9	94.3	97.5	98.3	98.4	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
M 700	67.3	91.9	94.3	97.6	98.4	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
M 600	67.3	91.9	94.3	97.7	98.5	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
M 500	67.3	91.9	94.3	97.7	98.5	98.6	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
M 400	67.3	91.9	94.3	97.7	98.5	98.6	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
M 300	67.3	91.9	94.3	97.7	98.5	98.6	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
M 200	67.3	91.9	94.3	97.7	98.5	98.6	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
M 100	67.3	91.9	94.3	97.7	98.5	98.6	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
M 0	67.3	91.9	94.3	97.7	98.5	98.6	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7831 LAKENHEATH RAF UK

73-87

141

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

13-2300

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.2	≥0.15	≥0.1	≥0.05
	GF9	GF90	GF80	GF60	GF48	GF40	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF03	GF02
NO CEILING	30.1	39.0	39.8	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.9	41.9	41.9
≥ 20000	34.2	44.3	45.1	47.0	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.3	47.3	47.4	47.4	47.4
≥ 18000	34.4	44.5	45.3	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.5	47.5	47.6	47.6	47.6
≥ 16000	34.4	44.5	45.3	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.5	47.5	47.6	47.6	47.6
≥ 14000	34.4	44.5	45.3	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.5	47.5	47.6	47.6	47.6
≥ 12000	34.4	44.7	45.5	47.4	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.7	47.7	47.8	47.8	47.8
≥ 10000	34.8	45.9	46.7	48.6	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.9	48.9	49.0	49.0	49.0
≥ 9000	35.3	46.5	47.2	49.1	49.4	49.4	49.4	49.4	49.5	49.6	49.6	49.7	49.7	49.8	49.8	49.8
≥ 8000	39.4	52.6	53.7	55.7	56.1	56.1	56.5	56.5	56.6	56.7	56.7	56.8	56.8	56.9	56.9	57.0
≥ 7000	41.1	55.6	56.8	58.8	59.2	59.2	59.6	59.6	59.7	59.8	59.8	59.9	59.9	60.0	60.0	60.1
≥ 6000	41.3	56.1	57.5	59.7	60.1	60.1	60.4	60.4	60.5	60.6	60.6	60.8	60.8	60.9	60.9	61.0
≥ 5000	44.4	61.0	62.6	64.7	65.3	65.3	65.6	65.6	65.7	65.8	65.8	65.9	65.9	66.0	66.0	66.1
≥ 4500	48.9	66.5	69.9	71.4	71.9	71.9	72.3	72.3	72.4	72.5	72.5	72.6	72.6	72.7	72.7	72.8
≥ 4000	54.3	73.3	75.9	78.7	79.2	79.2	79.7	79.7	79.9	80.0	80.0	80.1	80.1	80.2	80.2	80.3
≥ 3500	57.5	76.9	79.7	82.6	83.1	83.1	83.5	83.5	83.8	83.9	83.9	84.0	84.0	84.1	84.1	84.2
≥ 3000	59.2	78.4	81.3	84.3	84.9	84.9	85.7	85.7	85.9	86.0	86.0	86.1	86.1	86.2	86.2	86.3
≥ 2500	60.1	80.8	83.9	87.4	88.1	88.1	88.9	88.9	89.1	89.2	89.2	89.4	89.4	89.5	89.5	89.6
≥ 2000	61.1	82.2	85.4	89.1	89.9	89.9	90.8	90.8	91.0	91.1	91.1	91.2	91.2	91.3	91.3	91.4
≥ 1800	61.6	82.8	86.7	89.8	90.5	90.5	91.4	91.4	91.6	91.7	91.7	91.8	91.8	91.9	91.9	92.0
≥ 1500	63.4	84.9	88.2	92.0	92.8	92.8	93.7	93.7	94.0	94.1	94.1	94.2	94.2	94.3	94.3	94.4
≥ 1200	64.4	86.7	90.3	94.2	95.1	95.1	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9
≥ 1000	64.5	86.9	90.5	94.4	95.3	95.3	96.3	96.3	96.7	97.0	97.1	97.1	97.2	97.3	97.3	97.4
≥ 900	64.5	87.1	90.8	94.6	95.5	95.5	96.6	96.6	97.2	97.3	97.3	97.4	97.4	97.5	97.5	97.6
≥ 800	64.5	87.3	91.7	94.9	95.9	95.9	97.0	97.0	97.3	97.6	97.7	97.7	97.8	97.8	97.9	98.1
≥ 700	64.5	87.6	91.3	95.3	96.3	96.3	97.4	97.7	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5
≥ 600	64.5	88.0	91.6	95.8	96.9	96.9	98.7	98.3	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1
≥ 500	64.5	88.2	91.8	96.0	97.1	97.1	98.3	98.6	99.0	99.1	99.1	99.2	99.2	99.4	99.4	99.5
≥ 400	64.5	88.2	91.8	96.2	97.3	97.3	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7
≥ 300	64.5	88.2	91.8	96.2	97.3	97.3	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7
≥ 200	64.5	88.2	91.8	96.2	97.3	97.3	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7
≥ 100	64.5	88.2	91.8	96.2	97.3	97.3	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7
≥ 0	64.5	88.2	91.8	96.2	97.3	97.3	98.5	98.8	99.2	99.4	99.4	99.5	99.5	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AWP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75831 LAKENHEATH RAF UK

73-87

JUL

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															OR (HUNDREDS OF METERS)														
	GE00	GE02	GE04	GE06	GE08	GE10	GE12	GE14	GE16	GE18	GE20	GE22	GE24	GE26	GE28	GE30	GE32	GE34	GE36	GE38	GE40	GE42	GE44	GE46	GE48	GE50				
> 20000	22.6	29.3	37.9	32.6	33.0	33.1	33.5	33.7	33.7	33.9	33.9	33.9	34.0	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1			
> 18000	25.6	33.6	35.5	37.3	37.8	37.8	38.2	38.4	38.5	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8		
> 16000	25.7	33.7	35.6	37.4	37.9	37.9	38.3	38.5	38.6	38.7	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9		
> 14000	25.8	33.8	35.7	37.5	37.9	38.0	38.4	38.6	38.6	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9		
> 12000	26.7	34.1	36.7	37.8	38.3	38.4	38.8	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2		
> 10000	26.6	35.4	37.3	39.2	39.7	39.7	40.1	40.3	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6		
> 9000	27.0	36.2	38.1	40.0	40.5	40.6	41.0	41.2	41.2	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5		
> 8000	31.4	42.4	44.7	46.8	47.4	47.5	48.1	48.3	48.7	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7		
> 7000	32.5	44.6	47.0	49.3	49.9	49.9	50.5	50.7	50.8	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	51.2	51.2	51.2	51.2	51.2	51.2		
> 6000	32.8	45.7	47.6	49.9	50.4	50.5	51.1	51.3	51.4	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7		
> 5000	36.7	49.9	52.6	55.1	55.8	55.9	56.6	56.9	56.9	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3		
> 4500	41.5	56.0	59.0	62.0	62.7	62.8	63.5	63.7	63.8	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2		
> 4000	48.0	64.1	67.6	70.7	71.6	71.7	72.5	72.8	72.8	73.1	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3		
> 3500	51.7	68.9	72.5	75.9	76.8	77.0	77.7	78.0	78.1	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5		
> 3000	54.6	72.8	76.6	80.0	81.0	81.1	82.0	82.3	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8		
> 2500	56.3	75.1	79.1	82.8	83.8	83.9	84.8	85.1	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6		
> 2000	58.7	78.4	82.5	86.5	87.6	87.7	88.6	89.0	89.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5		
> 1800	59.2	79.2	83.5	87.4	88.5	88.7	89.6	89.9	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4		
> 1600	67.4	81.1	85.5	89.6	90.7	90.9	91.8	92.2	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7		
> 1400	61.5	82.9	87.5	91.8	93.0	93.2	94.2	94.6	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2		
> 1200	61.8	83.4	88.3	92.6	94.0	94.2	95.2	95.7	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3		
> 1000	61.8	83.6	88.5	92.9	94.2	94.4	95.5	96.0	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6		
> 900	62.0	83.9	88.9	93.5	95.0	95.1	96.3	96.8	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4		
> 800	62.0	84.0	89.1	93.8	95.4	95.6	96.7	97.3	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9		
> 700	62.0	84.1	89.2	94.0	95.6	95.8	97.0	97.6	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2		
> 600	62.0	84.2	89.4	94.4	96.0	96.2	97.5	98.1	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8		
> 500	62.0	84.2	89.5	94.5	96.1	96.3	97.6	98.3	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1		
> 400	62.0	84.2	89.5	94.5	96.1	96.3	97.7	98.4	98.6	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
> 300	62.0	84.2	89.5	94.5	96.1	96.3	97.7	98.4	98.6	99.0	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	99.4	99.4		
> 200	62.0	84.2	89.5	94.5	96.1	96.3	97.7	98.4	98.6	99.0	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	99.4	99.4		
> 100	62.0	84.2	89.5	94.5	96.1	96.3	97.7	98.4	98.6	99.0	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	99.4	99.4		
> 0	62.0	84.2	89.5	94.5	96.1	96.3	97.7	98.4	98.6	99.0	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	99.4	99.4		

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

175831 STATION LAKENHEATH DAF UK

73-87 YEAR

4UG MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

000-0000 HOUR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10	26	25	24	23	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21
	GE97	GE90	GE87	GE60	GE48	GE47	GE32	GE24	GE22	GE16	GE12	GE10	GE08	GE05	GE04	GE03	GE02	GE01	GE00	GE00
NO FILING	28.7	39.7	43.7	47.3	48.6	48.9	51.5	52.3	52.6	53.7	53.1	53.2	53.4	53.9	53.9	53.9	54.9	54.9	54.9	54.9
≥ 20000	28.9	40.5	44.7	48.8	50.1	50.4	53.5	54.4	54.7	55.2	55.3	55.4	55.6	56.2	56.2	56.2	57.1	57.1	57.1	57.1
≥ 18000	28.9	47.5	44.0	49.0	50.3	50.6	53.8	54.6	54.9	55.4	55.5	55.6	55.8	56.2	56.2	56.2	57.3	57.3	57.3	57.3
≥ 16000	28.9	47.5	44.0	49.0	50.3	50.6	53.8	54.6	54.9	55.4	55.5	55.6	55.8	56.2	56.2	56.2	57.3	57.3	57.3	57.3
≥ 14000	28.9	47.5	44.0	49.0	50.3	50.6	53.8	54.6	54.9	55.4	55.5	55.6	55.8	56.2	56.2	56.2	57.3	57.3	57.3	57.3
≥ 12000	28.9	40.6	45.2	49.2	50.5	50.9	54.7	54.8	55.2	55.6	55.7	55.8	56.7	56.5	56.5	57.5	57.5	57.5	59.1	59.1
≥ 10000	29.5	41.3	45.0	50.5	51.8	52.2	55.5	56.5	56.8	57.7	57.3	57.4	57.6	58.1	58.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	29.8	41.6	46.5	51.0	52.5	52.8	56.1	57.2	57.5	58.0	58.1	58.2	58.4	58.8	58.8	59.9	59.9	59.9	59.9	59.9
≥ 8000	31.7	44.6	51.1	54.7	56.2	56.6	67.4	61.6	62.0	62.7	62.8	62.9	63.1	63.5	63.5	64.7	64.7	64.7	64.7	64.7
≥ 7000	32.7	45.3	52.9	55.5	57.0	57.3	61.2	62.4	62.8	63.4	63.5	63.7	63.9	64.3	64.3	65.5	65.5	65.5	65.5	65.5
≥ 6000	32.7	45.5	51.3	56.0	57.5	57.8	61.7	62.9	63.3	64.0	64.1	64.2	64.4	64.8	64.8	66.0	66.0	66.0	66.0	66.0
≥ 5000	33.5	47.3	53.4	58.2	59.7	60.0	64.0	65.2	65.7	66.3	66.5	66.6	66.8	67.2	67.2	68.4	68.4	68.4	68.4	68.4
≥ 4500	36.7	51.7	57.8	62.9	64.4	64.7	69.0	70.4	71.0	71.6	71.7	71.8	72.7	72.5	72.5	73.7	73.7	73.7	73.7	73.7
≥ 4000	41.9	58.4	64.9	70.3	71.9	72.4	77.0	78.4	78.9	79.6	79.7	79.9	80.1	80.5	80.5	81.7	81.7	81.7	81.7	81.7
≥ 3500	43.4	60.6	67.4	72.8	74.5	74.9	79.6	81.0	81.5	82.2	82.3	82.5	82.7	83.1	83.1	84.3	84.3	84.3	84.3	84.3
≥ 3000	45.1	62.9	70.2	75.8	77.6	78.1	82.7	84.1	84.6	85.3	85.4	85.6	85.8	86.2	86.2	87.4	87.4	87.4	87.4	87.4
≥ 2500	46.7	64.7	72.3	78.0	79.9	80.3	85.1	86.6	87.1	87.7	87.8	88.1	88.3	88.8	88.8	90.0	90.0	90.0	90.0	90.0
≥ 2000	46.3	65.2	72.7	78.4	80.3	80.8	85.5	87.0	87.5	88.2	88.3	88.5	88.7	89.2	89.2	90.4	90.4	90.4	90.4	90.4
≥ 1800	47.7	66.8	74.4	80.3	82.4	82.8	87.6	89.2	89.8	90.4	90.5	90.8	91.0	91.5	91.5	92.7	92.7	92.7	92.7	92.7
≥ 1600	48.4	67.6	75.3	81.3	83.3	83.8	88.6	90.2	90.8	91.4	91.5	91.7	91.9	92.5	92.5	93.7	93.7	93.7	93.7	93.7
≥ 1400	48.4	67.6	75.3	81.7	83.8	84.2	89.0	90.6	91.2	91.8	91.9	92.2	92.4	92.9	92.9	94.1	94.1	94.1	94.1	94.1
≥ 1200	48.5	68.2	75.8	82.3	84.4	84.8	89.7	91.4	91.9	92.6	92.7	92.9	93.1	93.7	93.7	94.9	94.9	94.9	94.9	94.9
≥ 1000	48.5	68.2	75.8	82.3	84.8	85.3	90.3	92.3	92.8	93.4	93.5	93.8	94.0	94.5	94.5	95.7	95.7	95.7	95.7	95.7
≥ 900	48.5	68.5	76.2	82.7	85.4	85.8	91.1	93.1	93.7	94.3	94.4	94.6	94.8	95.4	95.4	96.6	96.6	96.6	96.6	96.6
≥ 800	48.5	68.5	76.2	82.7	85.4	85.8	91.1	93.1	93.7	94.3	94.4	94.6	94.8	95.4	95.4	96.6	96.6	96.6	96.6	96.6
≥ 700	48.5	68.5	76.2	82.7	85.4	85.8	91.1	93.1	93.7	94.3	94.4	94.6	94.8	95.4	95.4	96.6	96.6	96.6	96.6	96.6
≥ 600	48.5	68.5	76.2	82.7	85.4	85.8	91.1	93.1	93.7	94.3	94.4	94.6	94.8	95.4	95.4	96.6	96.6	96.6	96.6	96.6
≥ 500	48.7	68.9	76.8	83.3	86.2	86.7	91.9	94.2	94.8	95.5	95.6	95.8	96.7	96.6	96.6	97.7	97.7	97.7	97.7	97.7
≥ 400	48.8	69.0	76.9	83.7	86.6	87.0	92.4	94.7	95.4	96.0	96.1	96.3	96.6	97.1	97.1	98.3	98.3	98.3	98.3	98.3
≥ 300	48.8	69.0	77.0	84.0	86.9	87.3	92.8	95.3	95.9	96.6	96.9	97.1	97.3	97.8	97.8	99.0	99.0	99.0	99.0	99.0
≥ 200	48.8	69.0	77.0	84.0	86.9	87.3	92.8	95.4	96.0	96.7	97.0	97.2	97.4	98.0	98.0	99.2	99.2	99.2	99.2	99.2
≥ 100	48.8	69.0	77.0	84.0	86.9	87.3	92.8	95.4	96.0	96.7	97.1	97.3	97.5	98.1	98.1	100.0	100.0	100.0	100.0	100.0
≥ 0	48.8	69.0	77.0	84.0	86.9	87.3	92.8	95.4	96.0	96.7	97.1	97.3	97.5	98.1	98.1	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 125931 LAKENHEATH RAF UK

73-87

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

330-550  
HOURS

ELEVATION FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	GE9	GE10	GE15	GE20	GE25	GE30	GE35	GE40	GE45	GE50	GE60	GE70	GE80	GE90	GE100	GE120
NO CEILING	17.3	24.8	27.5	31.7	33.8	33.9	37.2	39.2	40.0	41.2	41.5	41.8	42.6	43.5	44.2	46.8
2 2000	19.2	26.2	29.2	33.9	36.3	36.4	40.1	42.1	42.9	44.1	44.5	44.8	45.6	46.6	47.2	49.8
2 1800	18.3	26.3	29.3	34.3	36.9	37.0	40.6	42.7	43.4	44.6	45.0	45.4	46.1	47.1	47.7	50.3
2 1600	18.3	26.3	29.3	34.3	36.9	37.0	40.6	42.7	43.4	44.6	45.0	45.4	46.1	47.1	47.7	50.3
2 1400	18.3	26.3	29.3	34.3	36.9	37.0	40.6	42.7	43.4	44.6	45.0	45.4	46.1	47.1	47.7	50.3
2 1200	18.3	26.3	29.3	34.4	37.0	37.1	40.7	42.8	43.5	44.8	45.3	45.6	46.3	47.3	48.0	50.5
2 1000	19.9	26.9	30.7	35.6	38.3	38.5	42.2	44.3	45.0	46.3	46.8	47.1	47.8	48.8	49.5	52.0
2 800	19.1	27.2	30.7	36.0	39.7	39.9	42.9	44.9	45.7	47.0	47.4	47.8	48.7	49.7	50.3	52.9
2 600	23.7	32.0	35.1	41.2	44.4	44.6	49.1	51.5	52.4	53.9	54.4	54.8	55.7	56.9	57.5	60.2
2 400	23.5	33.2	36.4	42.6	45.8	46.0	50.6	53.0	53.9	55.4	55.9	56.4	57.2	58.3	59.1	61.7
2 200	23.9	33.6	37.2	43.3	46.6	46.8	51.4	53.8	54.6	56.1	56.8	57.2	58.1	59.2	59.9	62.6
2 100	25.6	35.8	39.3	45.9	49.1	49.4	54.1	56.7	57.5	59.1	59.7	60.1	61.0	62.1	62.8	65.5
2 400	27.3	38.1	41.7	48.7	52.0	52.3	57.0	59.7	60.6	62.1	62.7	63.1	64.1	65.2	65.9	68.6
2 400	31.0	42.5	46.7	54.0	57.5	57.8	62.9	65.7	66.6	68.2	68.9	69.3	70.3	71.3	72.1	74.8
2 3500	33.0	45.0	49.6	57.1	60.9	61.1	66.3	69.1	69.9	71.6	72.2	72.6	73.6	74.7	75.4	78.1
2 3000	34.4	46.7	51.3	59.3	63.3	63.5	68.6	71.6	72.4	74.1	74.9	75.3	76.3	77.4	78.2	80.9
2 2500	34.7	47.4	52.2	60.1	64.1	64.4	69.7	72.6	73.5	75.2	76.0	76.4	77.4	78.4	79.3	82.0
2 2000	35.7	48.6	53.4	61.9	66.3	66.7	72.3	75.3	76.2	77.9	78.7	79.1	80.1	81.1	82.0	84.7
2 1800	36.5	49.6	54.6	63.0	67.5	67.9	73.5	76.5	77.4	79.1	79.8	80.3	81.3	82.3	83.2	85.9
2 1500	37.6	51.1	56.3	65.0	69.6	70.0	75.8	78.8	79.6	81.4	82.1	82.5	83.5	84.6	85.5	88.1
2 1200	38.1	51.8	57.2	66.3	70.9	71.3	77.2	80.4	81.3	83.0	83.7	84.2	85.1	86.2	87.1	89.8
2 1000	38.3	52.3	57.8	66.8	71.7	72.1	77.9	81.3	82.1	83.8	84.6	85.0	86.0	87.1	87.9	90.6
2 900	38.3	52.3	57.8	67.2	72.1	72.6	78.4	81.9	82.8	84.5	85.2	85.7	86.6	87.7	88.6	91.3
2 800	38.3	52.6	58.1	67.8	72.8	73.4	79.3	82.8	83.6	85.3	86.1	86.5	87.5	88.6	89.4	92.1
2 700	38.3	53.0	58.5	68.4	73.6	74.1	80.2	83.8	84.7	86.5	87.3	87.7	88.7	89.8	90.6	93.3
2 600	38.3	53.0	58.6	68.5	73.8	74.4	80.5	84.2	85.0	86.9	87.7	88.1	89.1	90.2	91.1	93.8
2 500	38.4	53.1	58.8	68.8	74.2	74.8	81.0	84.9	85.8	87.7	88.6	89.0	90.0	91.1	91.9	94.6
2 400	38.4	53.1	58.9	69.0	74.5	75.0	81.7	85.8	86.6	88.9	89.8	90.2	91.2	92.2	93.1	95.8
2 300	38.4	53.1	58.9	69.1	74.8	75.3	82.1	86.3	87.2	89.4	90.4	90.9	92.0	93.1	94.1	96.8
2 200	38.4	53.1	58.9	69.1	74.8	75.3	82.1	86.3	87.2	89.4	90.4	91.1	92.2	93.3	94.4	97.5
2 100	38.4	53.1	58.9	69.1	74.8	75.3	82.1	86.3	87.2	89.4	90.5	91.2	92.5	94.0	95.5	99.6
2 0	38.4	53.1	58.9	69.1	74.8	75.3	82.1	86.3	87.2	89.4	90.5	91.2	92.5	94.0	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35831 LAKENHEATH RAF UK STATION NAME

73-87 YEAR

AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

500-000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 EQ9.0	≥5 GF8.0	≥4 GE6.0	≥3 GE4.8	≥2.5 GE4.0	≥2 GE3.2	≥1.5 GE2.4	≥1.2 GE2.0	≥1 GE1.6	≥0.8 GE1.2	≥0.6 GE1.0	≥0.5 GE0.8	≥0.4 GE0.5	≥0.3 GE0.4	≥0.2 GE0.3
NO CEILING ≥ 20000	14.4	21.2	24.2	29.5	32.1	32.5	34.7	36.4	36.7	37.4	37.5	37.7	38.0	38.7	39.9	40.1
18000 16000	16.2	23.9	27.2	33.6	36.7	37.1	39.1	41.6	41.9	42.7	42.9	43.1	43.5	44.2	44.4	45.6
14000 12000	16.3	24.0	27.3	33.7	36.8	37.3	39.2	41.7	42.0	42.8	43.0	43.2	43.6	44.3	44.5	45.7
10000 9000	16.6	25.1	28.4	35.1	38.7	39.1	41.3	43.7	44.1	44.8	45.0	45.2	45.7	46.3	46.5	47.7
8000 7000	21.1	30.6	34.7	41.5	45.5	45.9	48.4	51.2	51.5	52.5	53.0	53.2	53.8	54.5	54.9	56.2
6000 5000	21.9	32.2	36.0	43.5	47.5	47.9	50.5	53.6	53.9	55.0	55.5	55.7	56.3	57.1	57.6	58.9
4500 4000	23.8	34.4	38.3	46.2	50.2	50.9	53.5	56.7	57.0	58.1	58.7	59.0	59.5	60.4	60.8	62.1
3500 3000	25.3	36.7	40.8	49.1	53.5	54.1	56.7	59.9	60.3	61.3	62.0	62.2	62.7	63.6	64.0	65.3
2500 2000	32.7	43.1	47.5	56.7	61.1	61.8	64.6	67.8	68.4	69.4	70.1	70.3	70.8	71.7	72.1	73.4
1800 1500	32.9	46.1	50.9	60.9	66.0	66.8	69.7	73.1	73.7	74.8	75.5	75.7	76.2	77.1	77.5	78.8
1200 1000	33.4	46.7	51.4	61.6	66.6	67.6	70.6	74.1	74.6	75.8	76.5	76.7	77.2	78.1	78.5	79.8
900 800	34.7	48.6	53.5	64.5	69.5	70.5	73.5	77.0	77.5	78.7	79.4	79.6	80.1	81.0	81.4	82.7
700 600	34.8	48.8	53.8	64.8	69.9	70.8	73.9	77.3	77.9	79.0	79.7	79.9	80.5	81.3	81.7	83.0
500 400	36.0	50.4	55.4	67.2	72.6	73.5	76.6	80.0	80.6	81.7	82.4	82.6	83.2	84.0	84.4	85.7
300 200	36.7	52.1	57.3	69.3	74.8	75.9	79.2	82.7	83.3	84.4	85.1	85.3	85.9	86.8	87.3	88.6
100 0	36.8	52.3	57.8	70.0	75.5	76.7	80.2	84.0	84.6	85.9	86.5	86.7	87.3	88.2	88.7	90.0
900 800	37.0	52.6	58.1	70.5	76.1	77.3	80.9	84.8	85.3	86.6	87.3	87.5	88.0	89.0	89.4	90.7
700 600	37.0	52.7	58.4	71.1	76.9	78.1	81.9	85.9	86.4	87.7	88.3	88.6	89.1	90.1	90.5	91.8
500 400	37.1	52.8	59.0	72.4	78.3	79.5	83.5	87.6	88.1	89.5	90.2	90.4	90.9	91.9	92.4	93.7
300 200	37.1	52.9	59.1	72.6	78.7	79.9	84.0	88.3	89.0	90.6	91.3	91.5	92.0	93.1	93.6	94.9
100 0	37.1	52.9	59.1	72.7	78.8	80.0	84.2	88.8	89.4	91.3	91.9	92.1	92.7	93.7	94.3	95.6
900 800	37.1	52.9	59.1	72.7	78.9	80.1	84.3	89.1	89.8	91.7	92.3	92.5	93.1	94.2	94.7	96.0
700 600	37.1	52.9	59.1	72.7	78.9	80.1	84.3	89.2	90.1	92.2	93.2	93.4	94.0	95.1	95.8	97.1
500 400	37.1	52.9	59.1	72.7	78.9	80.1	84.3	89.3	90.2	92.4	93.5	93.7	94.3	95.7	96.3	98.3
300 200	37.1	52.9	59.1	72.7	78.9	80.1	84.3	89.3	90.2	92.4	93.5	93.7	94.3	95.8	96.5	99.6
100 0	37.1	52.9	59.1	72.7	78.9	80.1	84.3	89.3	90.2	92.4	93.5	93.7	94.3	95.9	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

02531 LAKENHEATH RAF UK  
STATION STATION NAME

73-87  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0925-1100  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															OR (HUNDREDS OF METERS)				
	<sup>210</sup> ST90	<sup>200</sup> EO90	<sup>25</sup> GE80	<sup>24</sup> GE60	<sup>23</sup> GE48	<sup>22</sup> GE40	<sup>22</sup> GE32	<sup>21</sup> GE24	<sup>21</sup> GE20	<sup>21</sup> GE16	<sup>21</sup> GE12	<sup>21</sup> GE10	<sup>20</sup> GE08	<sup>2510</sup> GE05	<sup>20</sup> GE04	<sup>20</sup> GE03				
NO CEILING	21.8	30.6	33.2	35.9	36.5	36.6	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9				
20000	23.8	34.7	37.7	40.9	41.5	41.9	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4				
18000	24.0	34.9	38.0	41.1	41.7	42.2	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7				
16000	24.0	34.9	38.0	41.1	41.7	42.2	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7				
14000	24.0	34.9	38.0	41.1	41.7	42.2	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7				
12000	24.1	35.5	38.5	41.8	42.6	43.0	43.2	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7				
10000	25.2	37.1	41.1	43.4	44.2	44.6	44.8	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3				
9000	26.2	38.5	41.5	44.9	45.7	46.1	46.5	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9				
8000	28.8	42.4	45.8	49.4	50.1	50.5	51.2	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6				
7000	29.6	43.4	46.9	50.4	51.2	51.6	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7				
6000	29.9	43.8	47.2	50.9	51.7	52.2	52.9	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3				
5000	32.4	46.7	50.1	54.2	55.1	55.5	56.2	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7				
4500	35.1	49.8	53.4	57.5	58.4	58.8	59.7	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1				
4000	47.4	56.2	67.1	64.3	65.2	65.6	66.5	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9				
3500	44.8	61.1	65.3	69.6	70.5	71.1	71.9	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4				
3000	49.7	67.1	71.3	76.2	77.3	77.8	78.7	79.0	79.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5				
2500	57.6	68.5	72.7	78.0	79.1	79.7	80.5	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3				
2000	53.7	72.8	77.2	83.0	84.3	84.8	85.7	86.1	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6				
1800	54.5	74.1	78.6	84.6	86.0	86.6	87.4	87.8	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3				
1500	55.9	76.5	81.4	87.6	89.2	89.8	91.6	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6				
1200	57.0	78.0	83.1	89.8	91.5	92.0	93.0	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1				
1000	57.1	78.4	83.7	90.4	92.2	92.8	93.9	94.6	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2				
900	57.1	78.4	83.8	90.6	92.4	93.0	94.4	95.3	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8				
800	57.2	78.5	84.1	91.1	93.0	93.7	95.3	96.2	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8				
700	57.2	78.6	84.2	91.3	93.3	94.1	95.8	96.8	96.9	97.3	97.3	97.3	97.4	97.4	97.4	97.4				
600	57.3	78.9	84.5	91.6	93.8	94.5	96.2	97.5	97.6	98.1	98.1	98.1	98.2	98.2	98.2	98.2				
500	57.3	78.9	84.5	91.8	94.1	94.8	96.6	98.2	98.3	99.1	99.2	99.2	99.4	99.4	99.4	99.4				
400	57.3	78.9	84.5	91.8	94.1	95.1	96.8	98.4	98.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7				
300	57.3	78.9	84.5	91.8	94.1	95.1	96.8	98.4	98.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9				
200	57.3	78.9	84.5	91.8	94.1	95.1	96.8	98.4	98.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0				
100	57.3	78.9	84.5	91.8	94.1	95.1	96.8	98.4	98.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0				
0	57.3	78.9	84.5	91.8	94.1	95.1	96.8	98.4	98.5	99.7	99.8	99.8	99.9	100.0	100.0	100.0				

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-87  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1230-1400  
TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	GF90	GF90	GF80	GF60	GF48	GF30	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF0
≥ 20000	23.0	30.0	30.6	32.0	37.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	28.1	38.3	39.4	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000	28.1	38.3	39.4	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	28.1	38.4	39.5	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 12000	28.2	38.7	39.8	41.7	41.8	41.8	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 10000	28.7	39.5	40.5	42.5	42.6	42.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000	29.1	39.9	41.0	43.2	43.3	43.3	43.3	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 8000	31.3	43.3	44.4	46.9	47.1	47.1	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 7000	31.7	43.9	44.9	47.4	47.6	47.6	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 6000	32.5	44.8	45.9	48.5	48.7	48.7	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 5000	34.9	48.7	50.0	52.6	52.8	52.8	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 4500	39.0	54.3	55.7	58.7	58.9	58.9	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4000	45.8	62.4	63.8	67.0	67.2	67.2	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3500	52.8	70.8	72.2	75.6	75.8	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000	59.4	78.5	80.1	84.0	84.2	84.2	84.5	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	62.2	81.8	83.4	87.6	87.8	87.8	88.2	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2000	64.2	84.2	85.8	90.3	90.6	90.6	91.1	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1800	64.4	84.5	86.5	91.2	91.5	91.5	92.0	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	64.9	85.5	87.6	92.6	93.4	93.4	94.2	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	66.0	87.1	89.4	94.5	95.5	95.5	96.3	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	66.5	87.5	89.8	94.9	96.0	96.1	97.0	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	66.7	87.7	90.1	95.3	96.3	96.3	97.3	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	66.8	87.8	90.3	95.8	97.0	97.1	98.0	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	66.8	87.8	90.3	95.8	97.0	97.1	98.0	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	66.9	88.0	90.4	95.9	97.1	97.2	98.1	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	66.9	88.0	90.4	95.9	97.1	97.2	98.1	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	66.9	88.0	90.4	95.9	97.1	97.2	98.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	66.9	88.0	90.4	95.9	97.1	97.2	98.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	66.9	88.0	90.4	95.9	97.1	97.2	98.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	66.9	88.0	90.4	95.9	97.1	97.2	98.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	66.9	88.0	90.4	95.9	97.1	97.2	98.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35939  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1	GE16	GE12	GE10	GE8	GE6	GE4	GE2
NO CEILING	23.9	31.9	32.3	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	30.2	40.2	41.3	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	37.5	40.5	41.6	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 16000	37.5	40.5	41.6	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	30.5	40.8	41.8	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 12000	37.9	41.2	42.4	43.3	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 10000	32.2	42.8	44.1	45.1	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 9000	32.5	43.8	45.1	46.0	46.2	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 8000	34.9	46.8	48.3	49.7	49.9	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 7000	35.7	48.0	49.7	51.1	51.4	51.6	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000	35.7	48.0	49.7	51.1	51.4	51.6	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 5000	39.6	52.8	54.7	56.5	56.9	57.2	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	45.2	60.1	62.9	65.2	65.6	65.9	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4000	52.9	69.4	72.3	75.2	75.6	75.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3500	60.1	76.9	79.8	82.9	83.3	83.7	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	63.9	81.7	84.8	88.4	88.9	89.2	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	65.4	83.4	86.9	91.5	91.2	91.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000	66.0	84.1	87.6	91.6	92.3	92.6	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	66.1	84.2	87.8	91.8	92.5	92.8	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	66.9	85.2	89.5	93.5	94.2	94.5	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	67.3	86.2	90.8	95.1	96.0	96.3	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	67.3	86.2	91.0	95.3	96.3	96.7	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	67.3	86.2	91.0	95.6	96.8	97.1	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	67.3	86.2	91.1	95.8	97.0	97.3	98.6	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	67.4	86.3	91.2	96.0	97.2	97.5	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	67.4	86.5	91.4	96.6	97.7	98.1	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	67.4	86.5	91.4	96.6	97.7	98.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	67.4	86.5	91.4	96.6	97.7	98.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	67.4	86.5	91.4	96.6	97.7	98.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	67.4	86.5	91.4	96.6	97.7	98.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	67.4	86.5	91.4	96.6	97.7	98.1	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	67.4	86.5	91.4	96.6	97.7	98.2	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENEATH RAF UK  
STATION NAME

73-82  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1977-2000  
GROUP YEAR

CEILING FEET	VISIBILITY STATUTE MILES														OR (HUNDREDS OF METERS)					
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1			
	GT99	EQ99	GF89	GE69	GF48	GE47	GE32	GE24	GE22	GE16	GE12	GE10	GF08	GF05	GF04	GF0				
NO CEILING	27.0	38.3	39.1	40.2	40.2	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5			
≥ 20000	31.3	44.6	45.8	47.5	47.7	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2			
IVM 18000	31.7	45.1	46.2	48.0	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			
IVM 16000	31.7	45.1	46.2	48.0	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			
IVM 14000	31.8	45.7	47.7	48.7	48.9	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4			
IVM 12000	32.5	46.7	48.7	49.7	50.0	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6			
IVM 10000	34.5	48.9	50.4	52.3	52.6	52.7	53.2	53.2	53.7	53.2	53.7	53.2	53.2	53.2	53.2	53.2	53.2			
IVM 9000	34.9	49.6	51.1	52.9	53.2	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0			
IVM 8000	39.7	55.4	57.4	60.0	60.3	60.4	61.2	61.3	61.7	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4			
IVM 7000	40.0	56.8	59.0	61.6	62.0	62.2	63.7	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2			
IVM 6000	41.5	57.5	59.9	62.5	62.9	63.0	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3			
IVM 5000	42.6	60.0	62.5	65.3	65.7	65.8	66.9	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4			
IVM 4500	48.1	66.5	69.5	72.6	73.0	73.2	74.4	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9			
IVM 4000	53.1	72.5	76.1	79.6	80.0	80.2	81.6	81.8	82.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3			
IVM 3500	56.8	77.1	81.3	85.1	85.5	85.7	87.1	87.3	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7			
IVM 3000	58.1	78.6	82.8	87.1	87.5	87.7	89.2	89.5	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9			
IVM 2500	59.1	79.9	84.3	88.7	89.1	89.5	91.0	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
IVM 2000	59.8	80.8	85.7	90.1	90.8	91.1	92.7	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7			
IVM 1800	60.5	81.4	86.5	91.1	91.7	92.7	93.7	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6			
IVM 1500	60.5	81.9	87.1	91.7	92.4	92.7	94.4	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4			
IVM 1200	61.2	83.1	88.6	93.5	94.4	94.7	96.5	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4			
IVM 1000	61.2	83.2	88.7	93.8	94.6	94.9	96.7	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6			
IVM 900	61.2	83.2	89.8	93.9	94.7	95.1	96.8	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7			
IVM 800	61.4	83.4	89.1	94.2	95.1	95.5	97.2	98.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6			
IVM 700	61.4	83.4	89.2	94.4	95.5	95.9	97.7	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1			
IVM 600	61.4	83.4	89.2	94.4	95.5	95.9	97.7	98.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1			
IVM 500	61.4	83.4	89.4	94.5	95.7	96.1	98.0	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7			
IVM 400	61.4	83.4	89.4	94.5	95.7	96.1	98.0	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7			
IVM 300	61.4	83.4	89.4	94.5	95.7	96.1	98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8			
IVM 200	61.4	83.4	89.4	94.5	95.7	96.1	98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8			
IVM 100	61.4	83.4	89.4	94.5	95.7	96.1	98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8			
IVM 0	61.4	83.4	89.4	94.5	95.7	96.1	98.1	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8			

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

33831 LAKENHEATH RAF UK

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
 HOURS UTC

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	GE0	GE0.2	GE0.4	GE0.6	GE0.8	GE1.0	GE1.2	GE1.4	GE1.6	GE1.8	GE2.0	GE2.5	GE3.0	GE3.5	GE4.0	GE5.0
NO CEILING	37.4	43.3	46.9	48.9	51.0	50.0	51.1	50.2	50.3	50.3	50.4	51.5	50.5	50.6	50.6	50.6
≥ 20000	33.0	47.2	51.6	54.1	55.7	55.7	55.9	56.0	56.1	56.1	56.2	56.2	56.3	56.3	56.5	56.5
18000	33.2	47.4	51.8	54.3	55.9	55.9	56.1	56.2	56.3	56.3	56.5	56.5	56.6	56.6	56.7	56.7
16000	33.2	47.4	51.8	54.3	55.9	55.9	56.1	56.2	56.3	56.3	56.5	56.5	56.6	56.6	56.7	56.7
14000	33.2	47.5	51.9	54.4	56.0	56.0	56.2	56.3	56.5	56.5	56.6	56.6	56.7	56.7	56.8	56.8
12000	33.3	47.7	52.2	54.6	56.2	56.2	56.5	56.6	56.7	56.7	56.8	56.8	56.9	56.9	57.0	57.0
10000	34.7	49.7	54.2	56.7	58.3	58.3	58.5	58.6	58.7	58.7	58.8	58.8	58.9	58.9	59.0	59.0
9000	35.1	50.3	54.8	57.3	58.9	58.9	59.4	59.5	59.6	59.6	59.7	59.7	59.8	59.8	59.9	59.9
8000	37.3	53.9	59.2	61.9	63.8	63.8	64.2	64.5	64.6	64.6	64.7	64.8	64.9	64.9	65.1	65.1
7000	38.3	55.4	61.7	63.7	65.5	65.5	65.9	66.2	66.3	66.3	66.5	66.6	66.7	66.7	66.8	66.8
6000	38.5	55.6	61.2	63.9	65.7	65.7	66.1	66.5	66.6	66.6	66.7	66.8	66.9	66.9	67.0	67.0
5000	40.9	58.5	64.2	66.9	68.8	68.8	69.2	69.8	70.0	70.0	70.1	70.2	70.3	70.3	70.4	70.4
4500	43.3	62.3	68.5	71.3	73.2	73.2	73.7	74.2	74.4	74.5	74.6	74.7	74.8	74.8	74.9	74.9
4000	48.9	68.8	76.9	80.2	82.3	82.4	82.9	83.4	83.7	83.8	83.9	84.0	84.1	84.1	84.2	84.2
3500	51.9	72.3	80.5	84.0	86.7	86.1	86.7	87.2	87.4	87.5	87.6	87.7	87.8	87.8	88.0	88.0
3000	53.2	73.8	82.2	85.9	88.0	88.1	88.6	89.1	89.4	89.6	89.7	89.8	89.9	89.9	90.0	90.0
2500	53.5	74.2	82.9	87.2	89.2	89.4	90.0	90.5	90.8	91.0	91.1	91.2	91.3	91.3	91.4	91.4
2000	54.9	76.2	85.5	89.8	91.8	91.9	92.6	93.5	93.9	94.1	94.2	94.3	94.4	94.4	94.5	94.5
1800	54.9	76.2	85.5	90.0	92.0	92.2	92.8	93.8	94.1	94.3	94.4	94.5	94.6	94.6	94.7	94.7
1500	55.5	76.9	86.1	91.8	92.8	92.9	93.5	94.5	94.8	95.1	95.2	95.3	95.4	95.4	95.5	95.5
1200	55.7	77.4	86.8	91.5	93.5	93.7	94.5	95.5	95.9	96.1	96.2	96.3	96.5	96.5	96.6	96.6
1000	55.8	77.6	87.0	91.8	93.9	94.0	94.8	95.8	96.2	96.5	96.6	96.7	96.8	96.8	96.9	96.9
900	55.8	77.8	87.2	92.2	94.2	94.3	95.2	96.3	96.8	97.0	97.1	97.2	97.3	97.3	97.4	97.4
800	55.9	78.0	87.3	92.7	94.7	94.8	95.8	97.0	97.4	97.6	97.7	97.8	98.0	98.0	98.1	98.1
700	55.9	78.0	87.5	92.9	95.1	95.2	96.3	97.5	98.0	98.2	98.3	98.4	98.5	98.5	98.6	98.6
600	55.9	78.0	87.5	92.9	95.1	95.2	96.3	97.5	98.0	98.2	98.3	98.4	98.5	98.5	98.6	98.6
500	56.0	78.1	88.0	93.3	95.5	95.6	96.8	98.1	98.6	98.8	98.9	99.0	99.1	99.1	99.2	99.2
400	56.0	78.1	88.0	93.4	95.7	95.8	97.0	98.3	98.8	99.0	99.1	99.2	99.4	99.4	99.5	99.5
300	56.0	78.1	88.2	93.8	96.0	96.1	97.3	98.6	99.1	99.4	99.6	99.7	99.8	99.8	99.9	99.9
200	56.0	78.1	88.2	93.8	96.0	96.1	97.3	98.6	99.1	99.4	99.6	99.7	99.8	99.8	99.9	99.9
100	56.0	78.1	88.2	93.8	96.0	96.1	97.3	98.6	99.1	99.4	99.6	99.7	99.8	99.8	99.9	100.0
0	56.0	78.1	88.2	93.8	96.0	96.1	97.3	98.6	99.1	99.4	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-87  
YEAR

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
SOURCE

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)																	
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1			
	GT90	EQ90	GF87	GF60	GF48	GF40	GF32	GF24	GF20	GF16	GF12	GF10	GF08	GF05	GF04	GF03	GF10	GF08	GF05	GF04	GF03	GF02	GF01	GF01	GF01	GF01	GF01	GF01	GF01	GF01	GF01			
NO CEILING	23.2	32.5	34.7	37.3	39.3	38.4	39.4	47.0	40.2	40.5	40.6	47.7	47.9	41.1	41.2	41.8	40.5	40.6	47.7	47.9	41.1	41.2	41.8	40.5	40.6	47.7	47.9	41.1	41.2	41.8				
IV 20000	26.2	36.9	39.6	42.7	43.9	44.1	45.2	46.0	46.1	46.4	46.5	46.6	46.8	47.1	47.2	47.8	46.4	46.5	46.6	46.8	47.1	47.2	47.8	46.4	46.5	46.6	46.8	47.1	47.2	47.8				
IV 18000	26.4	37.1	39.8	43.0	44.2	44.4	45.6	46.3	46.5	46.8	46.9	47.0	47.2	47.4	47.5	48.1	46.8	46.9	47.0	47.2	47.4	47.5	48.1	46.8	46.9	47.0	47.2	47.4	47.5	48.1				
IV 14000	26.4	37.3	40.7	43.2	44.4	44.6	45.7	46.5	46.7	46.9	47.1	47.1	47.3	47.6	47.7	48.3	46.9	47.1	47.1	47.3	47.6	47.7	48.3	46.9	47.1	47.1	47.3	47.6	47.7	48.3				
IV 12000	26.6	37.6	42.3	43.6	44.9	45.1	46.3	47.1	47.2	47.6	47.7	47.8	47.9	48.2	48.3	48.9	47.6	47.7	47.8	47.9	48.2	48.3	48.9	47.6	47.7	47.8	47.9	48.2	48.3	48.9				
IV 10000	27.5	38.9	41.7	45.1	46.5	46.7	48.7	48.7	48.9	49.2	49.4	49.4	49.6	49.9	50.0	50.6	49.2	49.4	49.4	49.6	49.9	50.0	50.6	49.2	49.4	49.4	49.6	49.9	50.0	50.6				
IV 9000	28.7	39.6	42.4	45.9	47.2	47.5	49.8	49.6	49.8	50.1	50.2	50.3	50.5	50.8	50.9	51.5	49.8	49.8	50.1	50.2	50.3	50.5	50.9	49.8	49.8	50.1	50.2	50.3	50.5	50.9				
IV 8000	30.9	43.6	46.8	50.7	52.2	52.4	54.7	54.9	55.2	55.6	55.7	55.9	56.1	56.3	56.5	57.1	54.9	55.2	55.6	55.7	55.9	56.1	56.3	54.9	55.2	55.6	55.7	55.9	56.1	56.5				
IV 7000	31.6	44.7	48.1	51.9	53.5	53.7	55.3	56.3	56.5	56.9	57.1	57.2	57.4	57.7	57.8	58.5	56.9	57.1	57.2	57.4	57.7	57.8	58.5	56.9	57.1	57.2	57.4	57.7	57.8	58.5				
IV 6000	31.9	45.1	48.5	52.5	54.0	54.2	56.0	57.0	57.2	57.6	57.8	57.9	58.1	58.4	58.6	59.2	57.1	57.2	57.6	57.8	57.9	58.1	58.4	57.1	57.2	57.6	57.8	57.9	58.1	58.6				
IV 5000	34.2	48.7	51.6	55.7	57.3	57.5	59.4	60.4	60.7	61.2	61.3	61.4	61.7	62.0	62.1	62.8	57.8	57.8	60.4	60.7	61.2	61.3	61.4	57.8	57.8	60.4	60.7	61.2	61.3	61.4				
IV 4500	37.5	52.4	56.3	60.8	62.4	62.7	64.6	65.7	66.0	66.4	66.6	66.7	66.9	67.2	67.4	68.0	60.7	60.7	66.4	66.6	66.7	66.9	67.2	60.7	60.7	66.4	66.6	66.7	66.9	68.0				
IV 4000	43.1	59.2	63.5	68.4	70.1	70.4	72.5	73.6	73.9	74.4	74.6	74.7	74.9	75.2	75.4	76.0	66.7	66.9	74.4	74.6	74.7	74.9	75.2	66.7	66.9	74.4	74.6	74.7	74.9	76.0				
IV 3500	46.9	63.6	68.2	73.2	75.0	75.3	77.4	78.5	78.9	79.3	79.5	79.6	79.9	80.2	80.3	81.0	74.7	74.9	79.3	79.5	79.6	79.9	80.2	74.7	74.9	79.3	79.5	79.6	79.9	81.0				
IV 3000	49.6	66.9	71.7	77.2	79.1	79.4	81.5	82.7	83.0	83.6	83.8	83.9	84.1	84.4	84.6	85.2	79.6	80.2	83.6	83.8	83.9	84.1	84.4	79.6	80.2	83.6	83.8	83.9	84.1	85.2				
IV 2500	50.5	68.1	73.0	78.7	80.6	81.0	83.2	84.4	84.7	85.3	85.5	85.6	85.8	86.1	86.3	86.9	83.9	84.1	85.3	85.5	85.6	85.8	86.1	83.9	84.1	85.3	85.5	85.6	85.8	86.9				
IV 2000	51.9	70.0	75.2	81.2	83.2	83.6	85.8	87.2	87.5	88.1	88.3	88.4	88.6	88.9	89.1	89.7	85.8	86.3	88.3	88.4	88.6	88.9	89.1	85.8	86.3	88.3	88.4	88.6	88.9	89.7				
IV 1800	52.2	70.5	75.8	81.9	83.9	84.3	86.6	87.9	88.3	88.8	89.0	89.1	89.4	89.7	89.9	90.5	87.9	88.3	89.0	89.1	89.4	89.7	89.9	87.9	88.3	89.0	89.1	89.4	89.7	90.5				
IV 1500	53.1	71.8	77.2	83.6	85.8	86.2	88.6	90.0	90.3	90.9	91.1	91.2	91.4	91.7	91.9	92.6	89.0	90.3	90.9	91.1	91.2	91.4	91.7	89.0	90.3	90.9	91.1	91.2	91.4	92.6				
IV 1200	53.8	72.9	78.8	85.2	87.5	87.9	90.4	91.8	92.2	92.8	93.0	93.1	93.3	93.6	93.8	94.5	91.1	92.2	92.8	93.0	93.1	93.3	93.6	91.1	92.2	92.8	93.0	93.1	93.3	94.5				
IV 1000	53.9	73.2	78.9	85.6	88.0	88.4	90.9	92.5	92.8	93.4	93.6	93.7	94.0	94.3	94.5	95.1	92.5	92.8	93.4	93.6	93.7	94.0	94.3	92.5	92.8	93.4	93.6	93.7	94.0	95.1				
IV 900	54.0	73.3	79.1	86.0	88.4	88.8	91.4	93.0	93.4	93.9	94.1	94.3	94.5	94.8	95.0	95.6	93.0	93.4	94.1	94.3	94.5	94.8	95.0	93.0	93.4	94.1	94.3	94.5	94.8	95.6				
IV 800	54.1	73.4	79.3	86.3	88.9	89.4	92.1	93.8	94.1	94.7	94.9	95.1	95.3	95.6	95.8	96.4	93.4	94.1	94.7	94.9	95.1	95.3	95.6	93.4	94.1	94.7	94.9	95.1	95.3	96.4				
IV 700	54.1	73.6	79.5	86.7	89.4	89.9	92.7	94.4	94.8	95.5	95.7	95.8	96.0	96.3	96.5	97.2	94.1	94.8	95.5	95.7	95.8	96.0	96.3	94.1	94.8	95.5	95.7	95.8	96.0	97.2				
IV 600	54.1	73.7	79.6	86.9	89.6	90.1	92.9	94.8	95.2	95.8	96.0	96.2	96.4	96.7	96.9	97.6	94.8	95.2	95.8	96.0	96.2	96.4	96.7	94.8	95.2	95.8	96.0	96.2	96.4	97.6				
IV 500	54.2	73.7	79.8	87.1	89.9	90.4	93.3	95.3	95.7	96.5	96.7	96.8	97.1	97.4	97.6	98.3	95.3	95.7	96.5	96.7	96.8	97.1	97.4	95.3	95.7	96.5	96.7	96.8	97.1	98.3				
IV 400	54.2	73.8	79.8	87.2	90.0	90.6	93.5	95.6	96.0	96.9	97.1	97.2	97.4	97.8	98.0	98.6	96.7	96.9	97.1	97.2	97.4	97.8	98.0	96.7	96.9	97.1	97.2	97.4	97.8	98.6				
IV 300	54.2	73.8	79.9	87.3	90.2	90.7	93.7	95.8	96.2	97.1	97.5	97.6	97.8	98.2	98.4	99.1	97.1	97.5	97.6	97.8	98.2	98.4	99.1	97.1	97.5	97.6	97.8	98.2	98.4	99.1				
IV 200	54.2	73.8	79.9	87.3	90.2	90.7	93.7	95.8	96.3	97.2	97.5	97.7	97.9	98.3	98.6	99.4	97.5	97.7	97.9	98.3	98.6	99.4	97.5	97.7	97.9	98.3	98.6	99.4	97.5	97.7	97.9	98.3	98.6	99.4
IV 100	54.2	73.8	79.9	87.3	90.2	90.7	93.7	95.8	96.3	97.2	97.6	97.7	98.0	98.5	98.8	99.9	97.7	97.9	98.0	98.5	98.8	99.9	97.7	97.9	98.0	98.5	98.8	99.9	97.7	97.9	98.0	98.5	98.8	99.9
IV 0	54.2	73.8	79.9	87.3	90.2	90.7	93.7	95.8	96.3	97.2	97.6	97.7	98.0	98.5	98.8	100.0	98.0	98.5	98.8	99.9	98.0	98.5	98.8	100.0	98.0	98.5	98.8	100.0	98.0	98.5	98.8	100.0		

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035P31 LAKENHEATH RAF UK

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10 GE97	≥9 GE92	≥8 GE87	≥7 GE80	≥6 GE73	≥5 GE66	≥4 GE59	≥3 GE52	≥2 GE45	≥1 GE38	≥1 GE32	≥1 GE26	≥1 GE20	≥1 GE16	≥1 GE12	≥1 GE9	≥1 GE6	≥1 GE3	≥1 GE0	≥0 GE0
≥20000	23.4	35.4	38.5	42.5	44.9	45.4	46.7	47.0	47.1	47.9	48.0	48.4	48.7	49.1	49.1	49.1	49.1	49.1	49.4	49.4
≥18000	25.8	38.8	42.3	47.0	49.6	50.1	51.3	51.7	51.8	52.6	52.7	53.1	53.3	53.8	53.8	54.1	54.1	54.1	54.1	54.1
≥16000	26.1	39.0	42.5	47.2	49.8	50.3	51.6	51.9	52.0	52.8	52.9	53.3	53.6	54.0	54.0	54.3	54.3	54.3	54.3	54.3
≥14000	26.1	39.0	42.5	47.2	49.8	50.3	51.6	51.9	52.0	52.8	52.9	53.3	53.6	54.0	54.0	54.3	54.3	54.3	54.3	54.3
≥12000	26.1	39.0	42.5	47.2	49.8	50.3	51.6	51.9	52.0	52.8	52.9	53.3	53.6	54.0	54.0	54.3	54.3	54.3	54.3	54.3
≥10000	26.9	40.3	44.1	49.2	51.8	52.3	53.6	54.1	54.2	55.0	55.1	55.6	55.8	56.2	56.3	56.7	56.7	56.7	56.7	56.7
≥9000	27.4	41.0	44.8	49.9	52.6	53.1	54.5	55.0	55.1	55.9	56.0	56.5	56.7	57.1	57.2	57.6	57.6	57.6	57.6	57.6
≥8000	30.4	44.4	48.6	54.0	56.8	57.4	59.2	59.8	59.9	60.7	60.8	61.2	61.5	61.9	62.0	62.4	62.4	62.4	62.4	62.4
≥7000	31.2	45.8	50.0	55.6	58.4	59.1	60.8	61.5	61.6	62.5	62.6	63.1	63.4	63.8	63.9	64.3	64.3	64.3	64.3	64.3
≥6000	31.3	46.1	50.3	56.2	59.0	59.8	61.5	62.1	62.2	63.1	63.3	63.8	64.0	64.5	64.6	64.9	64.9	64.9	64.9	64.9
≥5000	33.3	48.6	53.1	59.5	62.5	63.3	64.9	65.8	65.9	66.8	66.9	67.5	67.7	68.2	68.3	68.6	68.6	68.6	68.6	68.6
≥4500	37.9	54.1	58.9	65.8	68.8	69.6	71.4	72.3	72.4	73.3	73.4	73.9	74.2	74.6	74.7	75.1	75.1	75.1	75.1	75.1
≥4000	42.0	59.6	64.6	72.0	75.1	75.8	77.6	78.6	78.7	79.6	79.7	80.3	80.5	81.0	81.1	81.4	81.4	81.4	81.4	81.4
≥3500	43.9	62.4	67.4	74.9	78.0	78.7	80.5	81.7	81.9	82.7	83.0	83.5	83.7	84.2	84.3	84.6	84.6	84.6	84.6	84.6
≥3000	46.4	65.6	71.6	78.6	81.6	82.4	84.3	85.7	86.1	87.0	87.2	87.8	88.0	88.4	88.5	88.9	88.9	88.9	88.9	88.9
≥2500	47.3	67.1	72.4	80.5	83.5	84.3	86.4	87.9	88.2	89.1	89.3	89.9	90.1	90.5	90.6	91.0	91.0	91.0	91.0	91.0
≥2000	47.7	68.0	73.3	81.7	84.7	85.5	87.6	89.1	89.4	90.3	90.5	91.1	91.3	91.8	91.9	92.2	92.2	92.2	92.2	92.2
≥1800	48.0	68.5	73.8	82.6	85.6	86.4	88.5	90.0	90.3	91.2	91.4	92.0	92.2	92.7	92.8	93.1	93.1	93.1	93.1	93.1
≥1500	48.4	69.2	74.6	83.9	87.0	87.8	90.2	91.6	92.0	92.9	93.1	93.7	93.9	94.3	94.4	94.8	94.8	94.8	94.8	94.8
≥1200	49.1	70.2	75.6	84.9	88.0	88.8	91.5	93.1	93.5	94.4	94.7	95.2	95.4	95.9	96.0	96.3	96.3	96.3	96.3	96.3
≥1000	49.1	70.2	75.7	85.0	88.4	89.2	92.1	93.7	94.1	95.0	95.2	95.8	96.0	96.4	96.5	96.9	96.9	96.9	96.9	96.9
≥900	49.1	70.2	75.7	85.0	88.4	89.2	92.1	93.7	94.1	95.0	95.2	95.8	96.0	96.4	96.5	96.9	96.9	96.9	96.9	96.9
≥800	49.2	70.4	75.9	85.2	88.6	89.4	92.3	93.9	94.3	95.2	95.4	96.0	96.2	96.7	96.8	97.1	97.1	97.1	97.1	97.1
≥700	49.2	70.5	76.2	85.9	89.3	90.1	93.0	94.5	95.0	95.9	96.1	96.7	96.9	97.3	97.4	97.8	97.8	97.8	97.8	97.8
≥600	49.4	70.7	76.4	86.3	89.8	90.5	93.4	95.0	95.4	96.3	96.5	97.1	97.3	97.8	97.9	98.2	98.2	98.2	98.2	98.2
≥500	49.4	70.7	76.4	86.3	89.8	90.5	93.4	95.0	95.4	96.3	96.5	97.1	97.3	97.8	97.9	98.2	98.2	98.2	98.2	98.2
≥400	49.4	70.7	76.4	86.3	89.8	90.5	93.4	95.0	95.4	96.3	96.5	97.1	97.3	97.8	97.9	98.2	98.2	98.2	98.2	98.2
≥300	49.4	70.7	76.4	86.3	89.8	90.5	93.4	95.0	95.4	96.3	96.5	97.1	97.3	97.8	97.9	98.2	98.2	98.2	98.2	98.2
≥200	49.4	70.7	76.4	86.3	89.8	90.5	93.4	95.0	95.4	96.3	96.5	97.1	97.3	97.8	97.9	98.2	98.2	98.2	98.2	98.2
≥100	49.4	70.7	76.4	86.3	89.8	90.5	93.4	95.0	95.4	96.3	96.5	97.1	97.3	97.8	97.9	98.2	98.2	98.2	98.2	98.2
≥0	49.4	70.7	76.4	86.3	89.8	90.5	93.4	95.0	95.4	96.3	96.5	97.1	97.3	97.8	97.9	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 828

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

135931 STATION LAKENHEATH RAF UK

73-82 YEARS

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1300-2500 HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10 GE97	≥6 GE99	≥5 GE87	≥4 GE60	≥3 GE48	≥2.5 GE47	≥2 GE37	≥1.5 GE24	≥1.2 GE27	≥1 GE16	≥0.75 GE17	≥0.5 GE10	≥0.4 GE08	≥0.3 GE75	≥0.25 GE74	≥0.2 GE01	NO CEILING			
≥ 20000	20.3	28.5	32.6	36.6	39.1	47.1	42.2	42.6	42.7	43.2	43.2	43.9	44.1	45.3	45.3	46.9	21.4			
18000	21.4	30.1	34.6	39.1	41.6	42.6	44.9	45.3	45.4	46.0	46.0	46.7	46.9	47.8	48.1	49.7	21.4			
16000	21.4	30.1	34.6	39.1	41.6	42.6	44.9	45.3	45.4	46.0	46.0	46.7	46.9	47.8	48.1	49.7	21.4			
14000	21.4	30.1	34.6	39.1	41.6	42.6	44.9	45.3	45.4	46.0	46.0	46.7	46.9	47.8	48.1	49.7	21.4			
12000	21.4	30.2	34.7	39.2	41.7	42.7	45.7	45.4	45.5	46.1	46.1	46.8	47.0	47.9	48.2	49.8	21.4			
10000	21.4	31.3	36.0	40.6	43.4	44.4	46.9	47.3	47.4	48.0	48.0	48.7	49.9	49.8	51.1	51.7	22.2			
9000	22.2	31.6	36.6	41.2	44.0	45.0	47.4	47.9	48.0	48.5	48.5	49.2	49.4	50.3	50.7	52.2	24.4			
8000	24.4	34.5	41.1	45.2	48.2	49.4	52.3	53.1	53.2	53.8	53.8	54.5	54.7	55.6	55.9	57.5	24.9			
7000	24.9	35.5	41.2	46.9	49.9	51.1	54.7	54.8	54.9	55.5	55.5	56.1	56.4	57.3	57.6	59.2	25.4			
6000	25.4	36.3	42.7	47.8	51.8	52.7	54.9	55.7	55.8	56.4	56.4	57.0	57.3	58.1	58.5	60.0	27.0			
5000	27.0	39.0	45.0	51.7	54.8	56.0	58.9	59.7	59.8	60.4	60.4	61.0	61.3	62.2	62.5	64.1	32.3			
4500	32.3	45.8	51.9	54.8	62.3	63.6	67.0	67.9	68.0	68.6	68.6	69.3	69.5	70.4	70.8	72.3	35.4			
4000	35.4	49.6	55.9	63.5	67.3	68.6	72.0	73.1	73.2	73.9	73.9	74.6	74.8	75.7	76.0	77.6	37.4			
3500	37.4	52.8	59.5	67.3	71.1	72.4	76.7	77.1	77.2	78.0	78.0	78.7	78.9	79.8	80.1	81.7	38.4			
3000	38.4	53.8	60.5	68.4	72.7	74.1	77.7	78.8	79.7	79.8	79.8	80.5	80.7	81.6	81.9	83.5	39.3			
2500	39.3	55.8	62.4	70.6	75.0	76.6	80.1	81.3	81.5	82.3	82.3	82.9	83.1	84.7	84.4	85.9	41.7			
2000	41.7	58.5	65.4	74.2	78.6	80.2	84.2	85.3	85.5	86.3	86.3	86.9	87.2	88.1	88.4	90.0	42.0			
1800	42.0	58.7	65.6	74.4	78.8	80.5	84.4	85.5	85.7	86.5	86.5	87.2	87.4	88.3	88.6	90.2	43.1			
1500	43.1	59.8	66.7	75.9	80.2	81.9	85.8	86.9	87.2	87.9	87.9	88.7	89.0	89.8	90.2	91.7	43.8			
1200	43.8	60.8	67.7	77.0	81.5	83.1	87.3	88.4	88.6	89.4	89.4	90.2	90.4	91.3	91.6	93.2	44.1			
1000	44.1	61.2	68.1	77.6	82.3	83.9	88.1	89.5	89.7	90.5	90.5	91.3	91.5	92.4	92.7	94.3	44.1			
900	44.1	61.2	68.1	77.6	82.3	83.9	88.1	89.5	89.7	90.5	90.5	91.3	91.5	92.4	92.7	94.3	44.1			
800	44.1	61.2	68.1	77.7	82.5	84.2	88.3	89.8	90.1	90.8	90.8	91.6	91.9	92.7	93.1	94.6	44.2			
700	44.2	61.4	68.4	78.3	83.4	85.7	89.2	90.7	91.0	91.9	91.9	92.6	92.9	93.8	94.1	95.6	44.2			
600	44.2	61.4	68.4	78.5	83.6	85.3	89.5	91.2	91.4	92.3	92.3	93.1	93.3	94.2	94.5	96.1	44.4			
500	44.4	61.7	68.8	79.0	84.2	85.8	90.1	91.9	92.1	93.1	93.2	94.0	94.2	95.1	95.4	97.0	44.4			
400	44.4	61.7	68.9	79.1	84.3	85.9	90.2	92.0	92.2	93.3	93.4	94.2	94.5	95.4	95.8	97.3	44.4			
300	44.4	61.7	68.9	79.2	84.4	86.0	90.3	92.1	92.3	93.5	93.6	94.4	94.9	95.8	96.1	97.7	44.4			
200	44.4	61.7	68.9	79.2	84.4	86.0	90.3	92.1	92.3	93.5	93.6	94.4	94.9	95.9	96.2	97.9	44.4			
100	44.4	61.7	68.9	79.2	84.4	86.0	90.3	92.1	92.3	93.5	93.6	94.4	94.9	95.9	96.3	98.5	44.4			
0	44.4	61.7	68.9	79.2	84.4	86.0	90.3	92.1	92.3	93.5	93.6	94.4	94.9	96.1	96.5	100.0	44.4			

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1953 LAKENHEATH RAF UK

73-87

SEP

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

639-782

CEILING FEET	VISIBILITY STATUTE MILES																OP (HUNDREDS OF METERS)															
	<sup>210</sup> GT9.1	<sup>20</sup> EQ9.0	<sup>25</sup> GF8.7	<sup>24</sup> GE6.0	<sup>23</sup> GE4.8	<sup>22</sup> GE4.7	<sup>22</sup> GE3.7	<sup>21</sup> GE2.4	<sup>21</sup> GE2.7	<sup>21</sup> GE1.6	<sup>21</sup> GE1.7	<sup>21</sup> GE1.0	<sup>21</sup> GE0.8	<sup>25 16</sup> GE0.5	<sup>21</sup> GE0.4	<sup>20</sup> GE0.3		<sup>210</sup> GT9.1	<sup>20</sup> EQ9.0	<sup>25</sup> GF8.7	<sup>24</sup> GE6.0	<sup>23</sup> GE4.8	<sup>22</sup> GE4.7	<sup>22</sup> GE3.7	<sup>21</sup> GE2.4	<sup>21</sup> GE2.7	<sup>21</sup> GE1.6	<sup>21</sup> GE1.7	<sup>21</sup> GE1.0	<sup>21</sup> GE0.8	<sup>25 16</sup> GE0.5	<sup>21</sup> GE0.4
2 20000	15.4	22.1	24.7	30.0	31.5	32.7	34.2	35.9	36.7	37.1	37.6	37.8	37.9	38.2	39.5	40.2	15.4	22.1	24.7	30.0	31.5	32.7	34.2	35.9	36.7	37.1	37.6	37.8	37.9	38.2	39.5	40.2
2 18000	17.3	25.0	29.0	35.4	37.1	37.6	39.7	41.7	42.7	43.7	43.9	44.0	44.2	44.6	45.7	46.8	17.3	25.0	29.0	35.4	37.1	37.6	39.7	41.7	42.7	43.7	43.9	44.0	44.2	44.6	45.7	46.8
2 16000	17.3	25.1	29.1	35.5	37.2	37.7	39.8	41.9	42.1	43.1	43.9	44.1	44.3	44.8	45.1	46.9	17.3	25.1	29.1	35.5	37.2	37.7	39.8	41.9	42.1	43.1	43.9	44.1	44.3	44.8	45.1	46.9
2 14000	17.3	25.1	29.1	35.5	37.2	37.7	39.8	41.9	42.1	43.1	43.9	44.1	44.3	44.8	45.1	46.9	17.3	25.1	29.1	35.5	37.2	37.7	39.8	41.9	42.1	43.1	43.9	44.1	44.3	44.8	45.1	46.9
2 12000	17.4	25.2	29.4	35.8	37.6	38.2	40.3	42.3	42.5	43.5	44.3	44.5	44.8	45.2	45.5	47.3	17.4	25.2	29.4	35.8	37.6	38.2	40.3	42.3	42.5	43.5	44.3	44.5	44.8	45.2	45.5	47.3
2 10000	17.7	26.2	30.6	37.3	39.2	39.7	41.9	43.9	44.1	45.2	46.7	46.2	46.5	47.7	47.3	49.1	17.7	26.2	30.6	37.3	39.2	39.7	41.9	43.9	44.1	45.2	46.7	46.2	46.5	47.7	47.3	49.1
2 9000	19.1	26.7	31.7	37.7	39.6	40.2	42.3	44.3	44.5	45.6	46.4	46.7	47.7	47.4	47.8	49.6	19.1	26.7	31.7	37.7	39.6	40.2	42.3	44.3	44.5	45.6	46.4	46.7	47.7	47.4	47.8	49.6
2 8000	20.4	30.0	34.8	42.1	44.4	45.1	47.5	50.1	50.4	51.7	52.5	52.7	53.0	53.5	53.8	55.6	20.4	30.0	34.8	42.1	44.4	45.1	47.5	50.1	50.4	51.7	52.5	52.7	53.0	53.5	53.8	55.6
2 7000	27.9	30.6	35.6	43.3	45.9	46.5	49.1	51.7	52.7	53.3	54.1	54.4	54.7	55.1	55.5	57.3	27.9	30.6	35.6	43.3	45.9	46.5	49.1	51.7	52.7	53.3	54.1	54.4	54.7	55.1	55.5	57.3
2 6000	21.3	31.1	36.2	43.9	46.4	47.1	49.8	52.5	52.8	54.1	54.9	55.1	55.5	55.9	56.3	58.7	21.3	31.1	36.2	43.9	46.4	47.1	49.8	52.5	52.8	54.1	54.9	55.1	55.5	55.9	56.3	58.7
2 5000	27.2	33.4	38.5	46.8	49.3	50.0	53.7	55.8	56.4	57.7	58.5	58.7	59.7	59.5	59.8	61.6	27.2	33.4	38.5	46.8	49.3	50.0	53.7	55.8	56.4	57.7	58.5	58.7	59.7	59.5	59.8	61.6
2 4500	25.7	36.7	42.1	51.5	54.2	54.9	58.1	60.9	61.5	62.8	63.6	63.8	64.2	64.6	65.7	67.9	25.7	36.7	42.1	51.5	54.2	54.9	58.1	60.9	61.5	62.8	63.6	63.8	64.2	64.6	65.7	67.9
2 4000	29.8	41.1	46.8	56.5	59.5	60.3	63.7	66.6	67.3	68.6	69.4	69.8	70.1	70.5	70.9	72.9	29.8	41.1	46.8	56.5	59.5	60.3	63.7	66.6	67.3	68.6	69.4	69.8	70.1	70.5	70.9	72.9
2 3500	37.1	43.1	49.2	59.5	62.7	63.5	67.2	77.2	70.9	72.2	73.0	73.4	73.8	74.2	74.6	76.6	37.1	43.1	49.2	59.5	62.7	63.5	67.2	77.2	70.9	72.2	73.0	73.4	73.8	74.2	74.6	76.6
2 3000	31.3	44.9	51.1	61.4	64.8	65.6	69.4	72.4	73.1	74.6	75.3	75.8	76.1	76.6	76.9	78.9	31.3	44.9	51.1	61.4	64.8	65.6	69.4	72.4	73.1	74.6	75.3	75.8	76.1	76.6	76.9	78.9
2 2500	32.7	47.4	54.2	65.0	68.6	69.4	73.3	76.3	77.7	78.5	79.2	79.7	80.7	80.5	80.8	82.8	32.7	47.4	54.2	65.0	68.6	69.4	73.3	76.3	77.7	78.5	79.2	79.7	80.7	80.5	80.8	82.8
2 2000	33.9	48.8	55.8	67.1	70.9	71.7	75.6	78.6	79.2	80.8	81.6	82.0	82.4	82.8	83.1	85.2	33.9	48.8	55.8	67.1	70.9	71.7	75.6	78.6	79.2	80.8	81.6	82.0	82.4	82.8	83.1	85.2
2 1800	34.7	49.1	56.1	67.4	71.2	72.0	75.9	78.9	79.6	81.1	81.9	82.4	82.7	83.1	83.5	85.5	34.7	49.1	56.1	67.4	71.2	72.0	75.9	78.9	79.6	81.1	81.9	82.4	82.7	83.1	83.5	85.5
2 1500	35.5	50.9	58.7	69.5	73.3	74.1	78.1	81.1	81.8	83.4	84.2	84.6	85.0	85.5	85.8	87.8	35.5	50.9	58.7	69.5	73.3	74.1	78.1	81.1	81.8	83.4	84.2	84.6	85.0	85.5	85.8	87.8
2 1200	36.9	52.8	62.4	72.3	76.7	77.5	81.6	84.8	85.6	87.2	87.9	88.4	88.8	89.3	89.6	91.6	36.9	52.8	62.4	72.3	76.7	77.5	81.6	84.8	85.6	87.2	87.9	88.4	88.8	89.3	89.6	91.6
2 1000	37.1	52.9	60.9	73.3	78.0	78.8	82.9	86.2	87.1	88.7	89.5	90.0	90.4	90.8	91.2	93.2	37.1	52.9	60.9	73.3	78.0	78.8	82.9	86.2	87.1	88.7	89.5	90.0	90.4	90.8	91.2	93.2
2 900	37.1	52.9	60.9	73.3	78.0	78.8	82.9	86.2	87.1	88.7	89.5	90.0	90.4	90.8	91.2	93.2	37.1	52.9	60.9	73.3	78.0	78.8	82.9	86.2	87.1	88.7	89.5	90.0	90.4	90.8	91.2	93.2
2 800	37.1	52.9	61.7	74.0	78.8	79.6	83.7	87.1	87.9	89.7	90.6	91.2	91.6	92.1	92.4	94.4	37.1	52.9	61.7	74.0	78.8	79.6	83.7	87.1	87.9	89.7	90.6	91.2	91.6	92.1	92.4	94.4
2 700	37.1	52.9	61.2	74.3	79.1	79.9	84.4	87.8	88.7	90.5	91.4	92.0	92.4	92.9	93.3	95.3	37.1	52.9	61.2	74.3	79.1	79.9	84.4	87.8	88.7	90.5	91.4	92.0	92.4	92.9	93.3	95.3
2 600	37.1	52.9	61.2	74.4	79.4	80.1	84.7	88.2	89.1	90.8	91.7	92.3	92.7	93.2	93.6	95.6	37.1	52.9	61.2	74.4	79.4	80.1	84.7	88.2	89.1	90.8	91.7	92.3	92.7	93.2	93.6	95.6
2 500	37.1	52.9	61.2	74.8	79.7	80.6	85.2	88.8	89.7	91.6	92.6	93.4	93.9	94.3	94.8	96.8	37.1	52.9	61.2	74.8	79.7	80.6	85.2	88.8	89.7	91.6	92.6	93.4	93.9	94.3	94.8	96.8
2 400	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.2	90.1	92.0	93.0	93.8	94.2	94.6	95.1	97.1	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.2	90.1	92.0	93.0	93.8	94.2	94.6	95.1	97.1
2 300	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.3	95.8	97.8	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.3	95.8	97.8
2 200	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.4	96.1	98.5	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.4	96.1	98.5
2 100	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.4	96.2	99.8	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.4	96.2	99.8
2 0	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.4	96.2	100.0	37.1	52.9	61.2	74.8	79.7	80.8	85.5	89.3	90.2	92.2	93.2	94.1	94.6	95.4	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 896



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

38921 LAKENHEATH PAF JK

77-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

11 2-1974

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	GE10	GE9	GE8	GE60	GE48	GE42	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE03
NO. REPORTS	23.7	33.3	34.6	35.4	35.5	35.5	35.7	35.8	35.9	36.2	36.2	36.2	36.2	36.2	36.7	36.7
≥ 25000	31.3	42.9	44.8	45.8	45.9	45.9	46.2	46.3	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	1.5	43.6	45.5	46.5	46.6	46.6	46.8	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 15000	31.5	43.6	45.5	46.5	46.6	46.6	46.8	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	31.5	43.6	45.5	46.5	46.6	46.6	46.8	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 13000	31.8	44.0	45.9	46.9	47.1	47.1	47.3	47.4	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	33.8	46.6	48.5	49.5	49.6	49.6	49.8	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 11000	34.3	47.1	49.2	50.2	50.3	50.3	50.5	50.6	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	37.5	50.0	53.7	54.4	54.6	54.6	54.8	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	37.9	51.5	53.7	54.9	55.2	55.2	55.4	55.5	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	38.3	51.0	54.2	55.4	55.6	55.6	55.8	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 7000	39.8	53.9	56.3	57.7	58.0	58.0	58.2	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 6500	42.7	57.6	60.3	61.8	62.1	62.1	62.3	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	47.9	64.4	67.1	68.6	69.1	69.1	69.3	69.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5500	53.9	71.3	74.2	75.9	76.3	76.3	76.5	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	59.5	78.7	81.1	83.2	83.6	83.6	83.9	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	62.7	81.8	85.1	87.3	87.8	87.8	88.1	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4000	64.1	85.3	88.8	91.2	91.7	91.7	92.1	92.3	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	64.2	85.8	89.2	92.0	92.5	92.5	93.0	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3000	64.8	87.7	90.7	93.7	94.3	94.3	94.8	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	65.4	87.9	91.9	94.9	95.6	95.6	96.1	96.2	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	65.4	88.3	92.5	95.9	96.7	96.7	97.3	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1900	65.4	88.4	92.7	96.0	96.8	96.8	97.4	97.7	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	65.5	88.8	93.7	96.3	97.1	97.1	98.0	98.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1700	65.5	89.3	93.3	96.7	97.4	97.4	98.3	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1600	65.5	89.0	93.4	96.9	97.7	97.7	98.6	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1500	65.5	89.0	93.4	97.1	97.9	97.9	98.8	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1400	65.5	89.0	93.4	97.1	97.9	97.9	98.8	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1300	65.5	89.0	93.4	97.1	97.9	97.9	98.8	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	65.5	89.0	93.4	97.1	97.9	97.9	98.8	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1100	65.5	89.0	93.4	97.1	97.9	97.9	98.8	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	65.5	89.0	93.4	97.1	97.9	97.9	98.8	99.1	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7531 LAKENHEATH RAF UK  
STATION

73-87  
YEAR

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
GROUP

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	≥0.15	≥0.1	≥0.05	≥0.02	≥0.01	≥0.005	≥0.002	≥0.001								
≥10000	22.6	32.6	34.8	35.3	36.0	36.7	36.9	36.9	36.7	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1								
≥8000	29.8	41.9	44.5	45.2	45.9	45.9	45.9	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7								
≥6000	37.2	42.9	45.6	46.2	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0								
≥4000	37.3	43.7	45.7	46.3	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1								
≥2000	31.2	44.0	46.8	47.6	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3								
≥1000	33.1	46.8	49.6	50.3	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1								
≥900	34.7	48.0	50.9	51.6	52.2	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7								
≥800	39.2	54.6	57.7	59.2	59.9	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3								
≥700	47.6	56.7	59.1	60.7	61.3	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9								
≥600	41.0	56.8	59.9	61.4	62.1	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7								
≥500	43.9	60.4	63.6	65.1	65.8	65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4								
≥450	47.7	64.8	68.1	70.1	71.9	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6								
≥400	54.1	73.9	77.3	79.6	80.4	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3								
≥350	58.1	78.4	81.9	84.2	85.1	85.3	86.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0								
≥300	61.4	83.0	86.7	89.1	90.0	90.3	91.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0								
≥250	63.6	86.0	89.8	92.3	93.2	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2								
≥200	64.7	87.8	91.9	94.3	95.7	96.0	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	96.7	96.7	96.7								
≥180	64.8	87.9	91.9	94.6	95.9	96.2	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	96.9	96.9	96.9								
≥150	65.1	88.7	92.9	95.8	97.2	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3								
≥120	65.1	88.8	93.7	95.9	97.3	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4								
≥100	65.1	89.1	93.3	96.2	97.7	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9								
≥90	65.1	89.1	93.3	96.2	97.7	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9								
≥80	65.1	89.1	93.6	96.4	97.9	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1								
≥70	65.1	89.1	93.6	96.6	98.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2								
≥60	65.1	89.1	93.6	96.6	98.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2								
≥50	65.1	89.1	93.6	96.6	98.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2								
≥40	65.1	89.1	93.6	96.6	98.0	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2								
≥300	65.2	89.2	93.7	96.7	98.1	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3								
≥200	65.2	89.2	93.7	96.7	98.1	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3								
≥100	65.2	89.2	93.7	96.7	98.1	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3								
≥0	65.2	89.2	93.7	96.7	98.1	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3								

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
ATP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35931 LAKENHEATH RAF UK

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2300  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES OR (HUNDREDS OF METERS)																			
	GE70	GE60	GE50	GE40	GE30	GE20	GE10	GE00	GE16	GE17	GE10	GE09	GE05	GE04	GE03	GE02	GE01	GE00	GE00	GE00
2 20000	22.8	33.7	37.6	39.8	47.4	47.4	41.1	41.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
2 18000	29.2	41.8	46.7	49.0	49.7	49.7	57.3	57.4	57.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
2 16000	29.2	41.8	46.7	49.0	49.7	49.7	57.3	57.4	57.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
2 14000	29.2	42.7	46.9	49.9	57.6	57.6	51.3	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2 12000	31.4	45.1	49.9	53.2	53.9	53.9	54.6	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
2 10000	32.4	46.1	57.9	54.2	54.9	54.9	55.9	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
2 9000	36.3	51.6	56.8	61.2	61.9	61.9	62.9	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2 8000	38.4	53.6	59.7	63.6	64.2	64.2	65.7	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
2 7000	38.6	53.7	59.1	63.9	64.6	64.6	65.7	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2 6000	41.3	57.2	63.0	67.9	68.6	68.6	69.8	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2 5000	46.2	63.6	69.4	74.4	75.2	75.3	76.8	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
2 4500	47.2	68.2	74.3	79.8	87.9	81.0	82.6	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
2 4000	52.2	72.6	79.3	84.4	85.7	85.8	87.3	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2 3500	55.4	77.0	84.2	89.4	97.8	90.9	92.4	92.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2 3000	56.7	78.2	85.4	91.1	92.4	92.6	94.1	94.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2 2500	56.6	79.4	86.8	92.9	94.3	94.4	96.0	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2 2000	56.6	79.6	86.9	93.1	94.6	94.7	96.2	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
2 1800	57.1	80.1	87.6	94.0	95.6	95.7	97.4	97.8	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2 1600	57.3	80.3	87.8	94.2	95.8	95.9	97.8	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
2 1400	57.3	80.3	88.0	94.6	96.1	96.2	98.3	98.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 1200	57.3	80.3	88.0	94.6	96.1	96.2	98.4	98.8	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 1000	57.3	80.3	88.0	94.8	96.3	96.4	98.7	99.0	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2 900	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 800	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 700	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 600	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 500	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 400	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 300	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 200	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 100	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 0	57.3	80.3	88.1	94.9	96.4	96.6	98.8	99.1	99.2	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 970

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-87  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.15	≥0.1	≥0.075	≥0.05	≥0.025
NO CEILING	27.8	40.8	45.3	49.0	50.4	51.7	51.1	51.8	51.8	52.7	52.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	30.3	43.9	48.6	52.2	53.9	54.4	54.7	55.3	55.3	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 18000	37.6	44.2	49.9	52.6	54.2	54.8	55.0	55.7	55.7	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	37.6	44.2	48.9	52.6	54.2	54.8	55.1	55.7	55.7	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 14000	37.6	44.2	48.9	52.6	54.2	54.8	55.1	55.7	55.7	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	31.7	44.7	49.3	53.3	54.7	55.2	55.4	56.1	56.1	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 10000	32.1	46.4	51.3	55.6	57.2	57.8	58.1	59.0	59.7	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	32.8	46.9	51.8	56.0	57.8	58.3	58.9	59.9	59.9	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	35.8	50.6	56.4	61.6	63.8	64.3	65.0	66.0	66.0	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	36.3	51.3	57.3	62.6	64.8	65.3	66.7	67.0	67.7	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	36.7	51.8	57.8	63.7	65.3	65.9	66.6	67.7	67.7	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	38.1	54.2	60.2	65.9	68.2	68.8	69.4	70.6	70.6	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	42.1	60.0	66.3	72.1	74.6	75.1	76.0	77.2	77.2	77.4	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	45.1	63.9	71.2	76.7	79.2	79.8	81.0	82.3	82.3	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	46.7	65.7	72.2	78.9	81.4	82.1	83.2	84.7	84.7	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	49.4	69.4	76.3	83.0	85.6	86.1	87.3	88.8	88.8	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	50.2	71.1	78.7	84.8	87.4	88.0	89.4	90.9	90.9	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	51.2	73.0	80.2	87.7	90.4	91.0	92.6	94.0	94.0	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800	51.6	73.3	81.5	88.0	90.8	91.3	92.9	94.3	94.3	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500	52.3	74.3	81.9	89.6	92.3	92.9	94.4	95.9	95.9	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	52.8	74.9	82.4	90.3	93.3	93.9	95.6	97.1	97.1	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	52.8	74.9	82.4	90.4	93.6	94.1	95.8	97.3	97.4	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	53.1	75.1	82.7	90.8	93.9	94.4	96.1	97.7	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	53.4	75.6	83.1	91.3	94.4	95.0	96.7	98.2	98.3	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	53.4	75.6	83.2	91.4	94.6	95.1	96.9	98.4	98.6	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	53.4	75.6	83.3	91.6	94.7	95.2	97.1	98.6	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	53.4	75.6	83.3	91.6	94.7	95.2	97.1	98.6	98.7	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	53.4	75.6	83.3	91.6	94.7	95.2	97.1	99.0	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	53.4	75.6	83.3	91.6	94.7	95.2	97.1	99.0	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	53.4	75.6	83.3	91.6	94.7	95.2	97.1	99.0	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	53.4	75.6	83.3	91.6	94.7	95.2	97.1	99.0	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	53.4	75.6	83.3	91.6	94.7	95.2	97.1	99.0	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

175931 LAKENHEATH RAF UK

73-87

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)															
	>10	>6	>3	>4	>3	>2	>2	>1	>1	>1	>1	>1	>1	>1	>1	>1
NO. CEILING	GE9	GE9	GE8	GE6	GE4	GE4	GE3	GE2	GE2	GE1	GE1	GE1	GE1	GE1	GE1	GE1
≥ 20000	22.4	32.2	35.1	38.2	39.4	39.8	40.4	41.1	41.1	41.5	41.6	41.8	41.9	42.1	42.1	42.6
≥ 18000	26.9	37.8	41.3	44.8	46.3	46.6	47.5	48.0	48.1	48.4	48.6	48.8	48.9	49.1	49.2	49.6
≥ 16000	26.9	38.2	41.7	45.2	46.6	47.3	47.9	48.4	48.4	48.8	49.0	49.2	49.2	49.5	49.6	50.0
≥ 14000	26.9	38.3	41.7	45.3	46.7	47.0	47.9	48.4	48.5	48.9	49.0	49.2	49.3	49.5	49.6	50.1
≥ 12000	27.3	38.6	42.1	45.7	47.2	47.5	48.4	48.9	49.0	49.4	49.5	49.7	49.8	50.0	50.1	50.5
≥ 10000	28.6	40.5	44.2	48.0	49.5	49.9	50.9	51.3	51.4	51.8	51.9	52.1	52.2	52.5	52.6	53.0
≥ 9000	29.0	41.1	44.9	48.7	50.2	50.5	51.6	52.2	52.2	52.6	52.8	53.0	53.1	53.3	53.4	53.9
≥ 8000	32.3	45.2	49.5	53.9	55.6	56.1	57.3	58.0	58.1	58.5	58.6	58.8	58.9	59.2	59.3	59.7
≥ 7000	33.0	46.3	50.6	55.3	57.0	57.5	58.7	59.4	59.5	60.0	60.1	60.3	60.4	60.6	60.7	61.2
≥ 6000	33.3	46.7	51.1	55.8	57.6	58.1	59.3	60.1	60.2	60.6	60.7	60.9	61.0	61.3	61.4	61.8
≥ 5000	35.3	49.4	53.9	59.0	60.8	61.2	62.6	63.4	63.5	63.9	64.1	64.3	64.4	64.6	64.7	65.2
≥ 4500	39.1	54.3	59.7	64.5	66.4	66.9	68.4	69.2	69.4	69.8	70.0	70.2	70.3	70.5	70.6	71.1
≥ 4000	43.1	59.6	64.6	70.4	72.5	73.0	74.6	75.5	75.7	76.2	76.3	76.5	76.6	76.9	77.0	77.5
≥ 3500	45.8	63.2	68.4	74.5	76.6	77.1	78.8	79.8	79.9	80.5	80.6	80.8	80.9	81.2	81.3	81.8
≥ 3000	48.8	66.9	72.4	78.6	80.9	81.4	83.1	84.1	84.3	84.9	85.0	85.3	85.4	85.6	85.7	86.2
≥ 2500	51.3	69.4	75.1	81.4	83.8	84.3	86.1	87.1	87.3	87.9	88.1	88.3	88.4	88.6	88.7	89.2
≥ 2000	51.6	71.5	77.2	84.0	86.5	87.0	88.9	89.9	90.2	90.8	90.9	91.1	91.2	91.5	91.6	92.1
≥ 1800	51.8	71.8	77.5	84.5	86.9	87.5	89.4	90.4	90.6	91.2	91.4	91.6	91.7	91.9	92.0	92.5
≥ 1500	52.6	72.9	78.8	86.0	88.5	89.1	91.1	92.1	92.3	93.0	93.1	93.4	93.5	93.7	93.8	94.3
≥ 1200	53.1	73.7	79.8	87.1	89.7	90.3	92.4	93.5	93.8	94.4	94.6	94.8	95.0	95.2	95.3	95.8
≥ 1000	53.2	74.0	80.3	87.8	90.6	91.2	93.4	94.5	94.8	95.5	95.7	95.9	96.0	96.3	96.4	96.9
≥ 900	53.2	74.1	80.3	87.8	90.7	91.3	93.5	94.6	94.9	95.7	95.8	96.1	96.2	96.4	96.5	97.0
≥ 800	53.3	74.2	80.5	88.2	91.1	91.7	93.9	95.1	95.4	96.2	96.4	96.6	96.7	97.0	97.1	97.6
≥ 700	53.3	74.2	80.7	88.5	91.5	92.1	94.3	95.5	95.8	96.6	96.8	97.1	97.2	97.4	97.5	98.0
≥ 600	53.4	74.3	80.8	88.7	91.7	92.3	94.6	95.8	96.1	96.9	97.1	97.4	97.5	97.7	97.8	98.3
≥ 500	53.4	74.3	80.8	88.9	91.9	92.5	94.8	96.1	96.4	97.3	97.5	97.8	97.9	98.1	98.2	98.7
≥ 400	53.4	74.3	80.8	88.9	91.9	92.5	94.9	96.2	96.6	97.5	97.7	98.0	98.2	98.4	98.5	99.0
≥ 300	53.4	74.3	80.8	88.9	91.9	92.5	94.9	96.3	96.6	97.6	97.8	98.1	98.3	98.6	98.7	99.2
≥ 200	53.4	74.3	80.8	88.9	91.9	92.5	94.9	96.3	96.6	97.6	97.8	98.1	98.3	98.6	98.8	99.4
≥ 100	53.4	74.3	80.8	88.9	91.9	92.5	94.9	96.3	96.6	97.6	97.8	98.1	98.3	98.6	98.8	99.7
≥ 0	53.4	74.3	80.8	88.9	91.9	92.5	94.9	96.3	96.6	97.6	97.8	98.1	98.3	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7189

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75931 LAKENHEATH RAF UK

73-82

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1900-2200

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	≥10	≥6	≥5	≥0
NO CEILING	20.2	27.0	31.4	34.8	35.7	36.5	38.1	39.2	39.3	39.9	40.3	40.6	40.7	41.3	42.0	43.9				
≥ 20000	23.0	30.3	35.0	39.1	40.0	40.8	42.4	43.6	43.9	44.7	45.1	45.3	45.4	46.1	46.7	48.7				
≥ 18000	23.7	30.3	35.1	39.1	40.0	40.8	42.4	43.6	43.9	44.7	45.1	45.3	45.4	46.1	46.7	48.7				
≥ 16000	23.7	30.3	35.1	39.1	40.0	40.8	42.4	43.6	43.9	44.7	45.1	45.3	45.4	46.1	46.7	48.7				
≥ 14000	23.7	30.3	35.1	39.1	40.0	40.8	42.4	43.6	43.9	44.7	45.1	45.3	45.4	46.1	46.7	48.7				
≥ 12000	23.0	30.3	35.1	39.2	40.0	41.0	42.6	43.8	44.1	44.9	45.3	45.5	45.6	46.3	46.9	48.9				
≥ 10000	23.7	31.4	36.1	40.2	41.3	42.1	43.7	44.9	45.2	46.0	46.4	46.6	46.7	47.4	48.7	49.9				
≥ 9000	23.9	31.9	36.7	40.9	42.0	42.7	44.3	45.5	45.8	46.6	47.0	47.2	47.4	48.7	48.7	50.6				
≥ 8000	25.2	34.1	38.9	43.5	44.7	45.4	47.1	48.3	48.7	49.4	49.8	50.1	50.2	50.8	51.5	53.4				
≥ 7000	25.6	34.4	39.3	43.8	45.0	45.7	47.5	48.9	49.2	49.9	50.4	50.7	50.8	51.5	52.1	54.0				
≥ 6000	25.9	34.7	39.6	44.1	45.3	46.1	47.8	49.2	49.5	50.3	50.7	51.0	51.1	51.8	52.4	54.4				
≥ 5000	27.0	36.4	41.3	46.0	47.1	47.9	49.6	51.0	51.3	52.1	52.5	52.9	53.0	53.6	54.3	56.2				
≥ 4500	31.4	41.7	47.1	52.5	53.7	54.5	56.3	57.8	58.1	59.1	59.7	60.0	60.1	60.7	61.4	63.4				
≥ 4000	33.3	46.1	52.1	57.8	59.1	60.0	61.9	63.5	63.9	64.9	65.5	65.8	65.9	66.6	67.2	69.3				
≥ 3500	34.7	48.2	54.5	60.4	61.8	62.7	64.7	66.3	66.7	67.7	68.3	68.6	68.7	69.4	70.0	72.1				
≥ 3000	37.5	52.5	59.2	66.0	68.0	68.8	70.9	72.5	72.8	73.9	74.4	74.8	74.9	75.5	76.2	78.2				
≥ 2500	38.0	53.2	60.0	67.5	69.7	70.6	73.1	74.8	75.1	76.2	76.7	77.0	77.1	77.8	78.4	80.6				
≥ 2000	39.9	56.1	63.3	71.4	73.8	74.6	77.5	79.3	79.6	80.8	81.3	81.7	81.8	82.4	83.1	85.2				
≥ 1800	39.9	56.2	63.4	71.6	74.0	74.9	78.2	80.0	80.4	81.6	82.1	82.4	82.5	83.2	83.8	86.0				
≥ 1500	40.5	57.2	64.5	73.2	75.6	76.5	80.0	82.0	82.3	83.5	84.0	84.4	84.5	85.1	85.8	87.9				
≥ 1200	41.3	58.4	66.1	75.0	77.9	78.7	82.5	84.6	85.0	86.3	86.9	87.4	87.5	88.1	88.8	90.9				
≥ 1000	41.3	58.7	66.5	75.7	78.6	79.5	83.4	85.5	86.0	87.3	88.0	88.5	88.6	89.2	89.9	92.0				
≥ 900	41.3	58.7	66.5	75.7	78.6	79.5	83.4	85.5	86.0	87.3	88.0	88.5	88.6	89.2	89.9	92.0				
≥ 800	41.6	59.2	67.2	77.1	80.4	81.2	85.3	87.5	87.9	89.2	90.0	90.4	90.5	91.2	91.8	94.0				
≥ 700	41.6	59.3	67.5	77.5	80.9	81.8	86.0	88.5	88.9	90.2	90.9	91.4	91.5	92.1	92.8	94.9				
≥ 600	41.6	59.3	67.5	77.5	81.1	82.0	86.2	88.7	89.1	90.4	91.2	91.6	91.7	92.3	93.0	95.1				
≥ 500	41.6	59.4	67.7	78.0	81.8	82.6	86.8	89.9	90.3	91.6	92.3	92.9	93.0	93.6	94.3	96.7				
≥ 400	41.6	59.4	67.7	79.1	82.0	82.8	87.1	90.1	90.5	91.8	92.6	93.1	93.2	93.9	94.5	96.9				
≥ 300	41.6	59.4	67.7	78.2	82.1	83.0	87.2	90.2	90.7	92.0	92.8	93.4	93.5	94.3	94.9	97.3				
≥ 200	41.6	59.4	67.7	78.2	82.1	83.0	87.2	90.2	90.7	92.1	93.0	93.6	93.7	94.6	95.4	98.5				
≥ 100	41.6	59.4	67.7	78.2	82.1	83.0	87.2	90.2	90.7	92.1	93.0	93.6	93.7	94.6	95.4	99.4				
≥ 0	41.6	59.4	67.7	78.2	82.1	83.0	87.3	90.3	90.8	92.2	93.1	93.7	93.9	94.7	95.5	100.0				

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

178831 LAKENHEATH RAF UK

73-87

007

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

330-0500

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10 GE97	≥6 GE90	≥5 GE87	≥4 GE80	≥3 GE73	≥2 GE66	≥2 GE59	≥1 GE52	≥1 GE45	≥1 GE38	≥1 GE31	≥1 GE24	≥1 GE17	≥1 GE10	≥1 GE03	≥1 GE05	≥1 GE04	≥1 GE02		
NO CEILING	16.6	24.4	28.2	32.7	34.6	34.7	37.6	39.7	39.3	39.7	40.3	40.4	40.7	41.4	42.4	44.8	47.7	47.7		
≥ 20000	17.9	25.9	29.8	35.0	37.0	37.1	40.3	41.8	42.1	42.5	43.1	43.3	43.6	44.3	45.3	47.7	47.7	47.7		
≥ 18000	17.9	25.9	29.8	35.0	37.0	37.1	40.3	41.8	42.1	42.5	43.1	43.3	43.6	44.3	45.3	47.7	47.7	47.7		
≥ 16000	17.9	25.9	29.8	35.0	37.0	37.1	40.3	41.8	42.1	42.5	43.1	43.3	43.6	44.3	45.3	47.7	47.7	47.7		
≥ 14000	17.9	25.9	29.8	35.0	37.0	37.1	40.3	41.8	42.1	42.5	43.1	43.3	43.6	44.3	45.3	47.7	47.7	47.7		
≥ 12000	17.9	25.9	29.8	35.0	37.1	37.2	40.3	41.9	42.2	42.6	43.2	43.4	43.7	44.5	45.4	47.8	47.8	47.8		
≥ 10000	18.6	27.2	31.2	36.5	38.9	39.0	42.1	43.6	43.9	44.3	44.9	45.1	45.4	46.2	47.1	49.5	49.5	49.5		
≥ 9000	19.6	27.2	31.3	36.8	39.2	39.3	42.4	43.9	44.2	44.8	45.3	45.5	45.9	46.6	47.6	49.9	49.9	49.9		
≥ 8000	21.1	29.9	34.7	40.0	42.4	42.6	45.7	47.3	47.6	48.1	48.7	48.9	49.2	49.9	51.9	53.3	53.3	53.3		
≥ 7000	21.6	30.5	34.8	40.8	43.2	43.4	46.5	48.0	48.3	48.9	49.4	49.6	49.9	50.7	51.7	54.0	54.0	54.0		
≥ 6000	21.7	30.6	35.7	41.0	43.4	43.6	46.7	48.2	48.5	49.1	49.6	49.8	50.2	50.9	51.9	54.3	54.3	54.3		
≥ 5000	23.0	31.9	36.3	42.5	45.1	45.3	48.5	50.1	50.4	50.9	51.5	51.7	52.7	52.7	53.7	56.1	56.1	56.1		
≥ 4500	26.6	36.9	41.9	48.9	51.6	51.8	55.2	56.7	57.1	57.6	58.1	58.4	58.8	59.7	61.7	63.1	63.1	63.1		
≥ 4000	29.1	40.9	46.4	54.4	57.1	57.3	60.9	62.4	62.8	63.5	64.0	64.4	64.7	65.7	66.6	69.0	69.0	69.0		
≥ 3500	29.8	42.4	48.1	56.3	59.1	59.3	63.7	64.5	64.8	65.6	66.1	66.4	66.7	67.8	68.9	71.3	71.3	71.3		
≥ 3000	31.5	45.4	51.7	60.2	63.5	63.8	67.6	69.1	69.4	70.2	70.7	71.0	71.4	72.4	73.5	75.9	75.9	75.9		
≥ 2500	31.6	45.9	52.3	61.2	65.1	65.6	69.8	71.6	71.9	72.7	73.2	73.5	73.8	74.9	76.0	78.4	78.4	78.4		
≥ 2000	33.5	48.9	55.7	66.1	70.1	70.5	74.7	76.6	77.3	78.0	78.6	78.9	79.2	80.3	81.4	83.7	83.7	83.7		
≥ 1800	33.5	48.9	55.7	66.2	70.2	70.6	75.0	77.5	78.3	79.0	79.5	79.9	80.2	81.3	82.3	84.7	84.7	84.7		
≥ 1500	34.2	49.8	56.9	67.7	71.9	72.3	76.7	79.2	80.0	80.7	81.3	81.6	81.9	83.0	84.1	86.4	86.4	86.4		
≥ 1200	35.2	51.0	58.3	69.4	74.2	74.6	79.7	81.7	82.7	83.4	84.0	84.3	84.6	85.7	86.8	89.1	89.1	89.1		
≥ 1000	35.5	51.5	58.8	70.0	74.7	75.1	79.9	82.6	83.5	84.5	85.1	85.5	85.8	86.9	87.9	90.3	90.3	90.3		
≥ 900	35.5	51.5	58.8	70.1	74.8	75.2	80.0	83.0	84.0	84.9	85.7	86.0	86.3	87.4	88.5	90.9	90.9	90.9		
≥ 800	35.5	51.6	59.1	71.2	75.9	76.3	81.1	84.2	85.1	86.1	86.9	87.2	87.5	88.6	89.7	92.0	92.0	92.0		
≥ 700	35.5	51.6	59.5	71.9	76.6	77.1	81.9	85.1	86.1	87.1	87.8	88.2	88.5	89.6	90.6	93.0	93.0	93.0		
≥ 600	35.5	51.6	59.6	72.0	76.9	77.3	82.2	85.6	86.5	87.5	88.3	88.7	89.0	90.1	91.2	93.5	93.5	93.5		
≥ 500	35.5	51.9	60.0	72.6	77.5	77.9	83.1	86.5	87.5	88.5	89.3	89.8	90.2	91.3	92.4	94.9	94.9	94.9		
≥ 400	35.5	51.9	60.0	72.6	77.6	78.0	83.4	86.9	87.8	88.8	89.6	90.2	90.6	91.7	92.8	95.4	95.4	95.4		
≥ 300	35.5	51.9	60.0	72.9	78.0	78.5	84.0	87.5	88.5	89.6	90.5	91.1	91.5	92.6	93.6	96.2	96.2	96.2		
≥ 200	35.5	51.9	60.0	72.9	78.0	78.5	84.0	87.6	88.6	89.7	90.7	91.3	91.8	93.1	94.2	97.3	97.3	97.3		
≥ 100	35.5	51.9	60.0	72.9	78.0	78.5	84.0	87.6	88.6	89.7	90.7	91.3	91.8	93.2	94.4	97.0	97.0	97.0		
0	35.5	51.9	60.0	72.9	78.0	78.5	84.0	87.6	88.6	89.7	90.7	91.3	91.8	93.3	94.5	97.0	97.0	97.0		

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION LAKENHEATH RAF UK

73-87

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

600-0000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	2.0	2.6	2.5	2.4	2.1	2.7	2.7	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.5	2.1	2.0	2.0	2.0	
10000	11.3	16.5	18.6	22.8	24.6	24.8	25.9	27.3	27.6	28.1	28.8	29.7	29.1	29.7	30.8	32.0				
8000	13.9	19.3	22.0	27.5	29.5	29.7	31.7	32.7	33.7	33.9	34.8	35.1	35.3	36.2	37.2	38.6				
6000	14.7	19.4	22.1	27.5	29.6	29.8	31.1	32.8	33.2	34.2	35.7	35.3	35.6	36.2	37.4	38.8				
5000	14.1	19.5	22.2	27.7	29.8	30.1	31.4	33.0	33.4	34.4	35.2	35.6	35.8	36.4	37.6	39.0				
4000	14.1	19.5	22.2	27.7	29.8	30.1	31.4	33.0	33.4	34.4	35.2	35.6	35.8	36.4	37.6	39.0				
3000	15.2	21.2	24.2	29.7	32.2	32.4	33.8	35.6	36.7	37.0	37.8	38.1	38.4	39.7	40.2	41.6				
2000	15.8	22.4	25.5	31.1	33.6	33.8	35.2	37.0	37.4	38.4	39.2	39.5	39.8	42.4	41.6	43.0				
1800	18.3	25.0	28.4	34.6	37.5	37.7	39.2	40.9	41.4	42.6	43.5	43.9	44.1	44.8	46.7	47.4				
1700	19.3	26.5	31.3	36.6	39.5	39.8	41.3	43.0	43.4	44.7	45.7	46.0	46.2	47.0	48.2	49.6				
1600	19.6	26.9	30.8	37.3	40.3	40.5	42.1	43.8	44.2	45.5	46.4	46.8	47.7	47.7	48.9	50.3				
1500	20.7	28.2	32.4	39.0	42.2	42.6	44.2	45.9	46.3	47.6	48.6	49.0	49.2	50.1	51.3	52.7				
1450	23.7	32.2	37.3	45.2	48.6	49.0	50.8	52.7	53.2	54.8	56.3	56.7	56.9	57.8	58.9	61.3				
1400	25.3	35.1	42.8	50.6	54.1	54.6	56.4	58.5	59.1	61.0	62.4	62.8	63.0	63.9	65.1	66.5				
1350	26.2	36.5	42.5	52.8	56.4	56.9	58.6	60.9	61.4	63.6	65.0	65.5	65.7	66.6	67.8	69.2				
1300	27.4	38.5	44.7	55.6	59.5	60.0	62.7	64.3	65.7	67.1	68.5	69.1	69.3	70.2	71.3	72.7				
2500	27.8	39.1	46.0	57.5	61.5	62.1	64.8	67.0	67.7	69.8	71.2	71.8	72.7	72.8	74.0	75.4				
2000	28.8	40.4	47.5	59.4	63.5	64.5	67.0	70.7	71.4	73.6	75.0	75.6	75.9	76.8	78.7	79.4				
1800	29.8	40.4	47.6	59.7	63.8	64.9	67.6	71.2	72.1	74.2	75.6	76.3	76.5	77.5	78.7	80.1				
1500	29.5	42.7	49.5	62.0	66.3	67.3	71.2	74.2	75.2	77.6	79.0	79.6	79.8	80.8	82.0	83.9				
1200	29.9	42.2	49.9	62.8	67.3	68.4	71.3	75.8	76.7	79.2	80.6	81.4	81.6	82.7	83.8	85.2				
1000	29.8	42.7	50.5	63.8	68.6	69.7	72.6	77.0	78.0	80.5	81.9	82.8	83.2	84.1	85.2	86.6				
900	29.8	42.7	50.8	64.0	69.2	70.4	73.3	77.8	78.9	81.5	82.9	83.8	84.1	85.1	86.3	87.7				
800	31.0	43.0	51.1	64.7	69.9	71.1	74.1	79.7	79.8	82.5	83.9	84.9	85.1	86.3	87.5	88.9				
700	30.0	43.0	51.1	65.0	70.5	71.9	75.0	79.8	81.7	84.3	85.7	86.7	87.0	88.1	89.3	90.7				
600	30.0	43.0	51.1	65.2	70.9	72.3	75.4	80.4	81.7	84.9	86.3	87.4	87.6	88.8	90.0	91.4				
500	30.0	43.0	51.1	65.5	71.3	72.8	76.2	81.3	82.5	85.9	87.6	88.8	89.1	90.3	91.5	92.9				
400	30.0	43.0	51.1	65.6	71.4	73.0	76.5	81.7	83.0	86.3	88.3	89.4	90.0	91.2	92.3	93.8				
300	30.0	43.0	51.1	65.6	71.6	73.1	76.7	81.9	83.3	87.0	89.0	90.3	90.8	92.1	93.3	94.8				
200	30.0	43.0	51.1	65.6	71.6	73.1	76.9	82.1	83.5	87.3	89.4	90.7	91.3	93.0	94.2	96.9				
100	30.1	43.1	51.2	65.7	71.7	73.2	77.0	82.2	83.6	87.4	89.5	90.9	91.5	93.2	94.5	98.8				
0	30.1	43.1	51.2	65.7	71.7	73.2	77.0	82.2	83.6	87.4	89.5	90.9	91.6	93.4	94.7	100.0				

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOPAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AWP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

35831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEAR

ACT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1937-1100  
PERIOD

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																																
	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1	GE0	GE10	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1													
NO CEILING	17.9	24.0	25.7	29.5	29.9	29.9	37.5	37.9	31.7	31.1	31.4	31.4	31.5	31.6	31.9	32.1	22.8	30.3	32.7	38.7	39.1	39.3	40.0	40.6	40.9	41.5	41.9	41.9	42.7	42.2	47.4	42.9	
20000	22.4	29.7	32.3	37.7	38.1	38.3	39.7	39.6	40.7	40.5	40.9	40.9	41.7	41.9	42.7	42.2	22.8	30.3	32.7	38.7	39.1	39.3	40.0	40.6	40.9	41.5	41.9	41.9	42.7	42.2	47.4	42.9	
18000	22.8	30.3	32.7	38.7	39.1	39.3	40.0	40.6	40.9	41.5	41.9	41.9	42.7	42.2	47.4	42.9	22.8	30.3	32.7	38.7	39.1	39.3	40.0	40.6	40.9	41.5	41.9	41.9	42.7	42.2	47.4	42.9	
6000	22.8	30.3	32.7	38.7	39.1	39.3	40.0	40.6	40.9	41.5	41.9	41.9	42.7	42.2	47.4	42.9	22.8	30.3	32.7	38.7	39.1	39.3	40.0	40.6	40.9	41.5	41.9	41.9	42.7	42.2	47.4	42.9	
4000	22.9	30.6	32.9	38.9	39.3	39.5	42.2	42.8	41.1	41.7	42.1	42.1	42.2	42.4	42.7	43.1	22.9	30.7	33.0	39.0	39.4	39.6	42.3	42.9	41.3	41.8	42.2	42.2	42.3	42.5	42.8	43.2	
2000	23.3	31.7	34.1	40.4	41.0	41.4	42.2	43.1	43.5	44.1	44.5	44.5	44.6	44.8	45.7	45.5	24.4	33.0	35.5	42.0	42.7	43.0	43.8	44.7	45.1	45.7	46.1	46.1	46.2	46.4	46.7	47.1	
1000	24.4	33.0	35.5	42.0	42.7	43.0	43.8	44.7	45.1	45.7	46.1	46.1	46.2	46.4	46.7	47.1	27.2	36.3	39.1	46.2	47.2	47.5	48.5	49.5	49.9	50.6	51.2	51.2	51.3	51.5	51.7	52.2	
800	27.2	36.3	39.1	46.2	47.2	47.5	48.5	49.5	49.9	50.6	51.2	51.2	51.3	51.5	51.7	52.2	28.1	37.8	40.9	48.3	49.2	49.6	57.5	51.5	51.9	52.8	53.3	53.3	53.5	53.7	53.9	54.3	
700	28.1	37.8	40.9	48.3	49.2	49.6	57.5	51.5	51.9	52.8	53.3	53.3	53.5	53.7	53.9	54.3	28.4	38.4	41.6	49.0	57.1	50.4	51.4	52.4	52.8	53.8	54.3	54.3	54.4	54.6	54.9	55.3	
6000	28.4	38.4	41.6	49.0	57.1	50.4	51.4	52.4	52.8	53.8	54.3	54.3	54.4	54.6	54.9	55.3	30.1	40.8	44.3	52.1	53.3	53.7	54.6	55.6	56.7	57.0	57.6	57.6	57.7	57.9	58.1	58.6	
5000	30.1	40.8	44.3	52.1	53.3	53.7	54.6	55.6	56.7	57.0	57.6	57.6	57.7	57.9	58.1	58.6	31.7	43.3	46.9	56.3	57.6	57.9	59.0	59.9	60.4	61.3	61.9	61.9	62.7	62.7	62.8	63.0	
4500	31.7	43.3	46.9	56.3	57.6	57.9	59.0	59.9	60.4	61.3	61.9	61.9	62.7	62.7	62.8	63.0	33.3	46.8	51.1	61.9	63.6	64.1	65.3	66.7	67.3	68.3	68.8	68.8	68.9	69.1	69.3	69.9	
4000	33.3	46.8	51.1	61.9	63.6	64.1	65.3	66.7	67.3	68.3	68.8	68.8	68.9	69.1	69.3	69.9	36.7	48.9	53.2	64.5	66.2	66.7	67.9	69.5	70.2	71.2	71.7	71.7	71.8	72.0	72.2	72.8	
3500	36.7	48.9	53.2	64.5	66.2	66.7	67.9	69.5	70.2	71.2	71.7	71.7	71.8	72.0	72.2	72.8	38.1	52.1	56.7	68.5	70.5	71.1	72.4	74.1	74.7	75.7	76.2	76.2	76.3	76.6	76.8	77.3	
3000	38.1	52.1	56.7	68.5	70.5	71.1	72.4	74.1	74.7	75.7	76.2	76.2	76.3	76.6	76.8	77.3	38.9	53.7	58.5	70.4	72.5	73.0	74.3	76.0	76.8	77.8	78.3	78.3	78.4	78.6	78.8	79.4	
2500	38.9	53.7	58.5	70.4	72.5	73.0	74.3	76.0	76.8	77.8	78.3	78.3	78.4	78.6	78.8	79.4	39.6	55.9	61.0	73.7	76.0	76.6	78.3	80.2	81.1	82.1	82.6	82.6	82.7	82.9	83.2	83.7	
2000	39.6	55.9	61.0	73.7	76.0	76.6	78.3	80.2	81.1	82.1	82.6	82.6	82.7	82.9	83.2	83.7	47.0	56.4	61.4	74.2	76.7	77.2	78.9	80.9	81.7	82.7	83.3	83.3	83.4	83.6	83.8	84.3	
800	47.0	56.4	61.4	74.2	76.7	77.2	78.9	80.9	81.7	82.7	83.3	83.3	83.4	83.6	83.8	84.3	47.7	57.5	63.1	76.5	79.0	79.8	81.5	83.6	84.4	85.6	86.2	86.2	86.3	86.5	86.7	87.3	
1500	47.7	57.5	63.1	76.5	79.0	79.8	81.5	83.6	84.4	85.6	86.2	86.2	86.3	86.5	86.7	87.3	41.1	58.0	63.8	77.9	87.7	81.4	83.6	86.0	86.8	88.1	88.7	88.7	88.8	89.0	89.2	89.7	
700	41.1	58.0	63.8	77.9	87.7	81.4	83.6	86.0	86.8	88.1	88.7	88.7	88.8	89.0	89.2	89.7	41.3	58.1	63.9	78.5	81.6	82.5	84.7	87.1	88.0	89.4	90.2	90.2	90.3	90.5	90.7	91.3	
1000	41.3	58.1	63.9	78.5	81.6	82.5	84.7	87.1	88.0	89.4	90.2	90.2	90.3	90.5	90.7	91.3	41.3	58.2	64.3	78.8	82.0	82.8	85.0	87.5	88.6	90.0	91.7	91.7	91.8	91.8	91.8	91.8	
900	41.3	58.2	64.3	78.8	82.0	82.8	85.0	87.5	88.6	90.0	91.7	91.7	91.8	91.8	91.8	91.8	41.3	58.2	64.5	79.0	82.2	83.0	85.3	88.0	89.1	90.5	91.3	91.3	91.4	91.6	91.8	92.3	
800	41.3	58.2	64.5	79.0	82.2	83.0	85.3	88.0	89.1	90.5	91.3	91.3	91.4	91.6	91.8	92.3	41.3	58.3	64.6	79.6	82.9	83.8	86.2	89.0	90.2	91.7	92.4	92.4	92.4	92.5	92.8	93.0	93.5
700	41.3	58.3	64.6	79.6	82.9	83.8	86.2	89.0	90.2	91.7	92.4	92.4	92.4	92.5	92.8	93.5	41.3	58.3	64.9	79.9	83.4	84.2	86.7	89.5	91.7	92.5	93.5	93.5	93.5	93.6	93.8	94.1	94.6
600	41.3	58.3	64.9	79.9	83.4	84.2	86.7	89.5	91.7	92.5	93.5	93.5	93.5	93.6	93.8	94.6	41.3	58.3	65.0	80.3	83.8	84.7	87.3	90.1	91.5	93.4	94.4	94.4	94.5	94.7	94.9	95.5	
500	41.3	58.3	65.0	80.3	83.8	84.7	87.3	90.1	91.5	93.4	94.4	94.4	94.5	94.7	94.9	95.5	41.3	58.3	65.0	80.5	84.0	85.0	87.6	90.4	92.0	94.1	95.2	95.4	95.4	95.6	95.8	96.7	96.5
400	41.3	58.3	65.0	80.5	84.0	85.0	87.6	90.4	92.0	94.1	95.2	95.4	95.4	95.6	95.8	96.5	41.3	58.3	65.7	80.5	84.1	85.1	87.7	90.5	92.3	94.5	95.7	96.0	96.4	97.0	97.3	97.8	
300	41.3	58.3	65.7	80.5	84.1	85.1	87.7	90.5	92.3	94.5	95.7	96.0	96.4	97.0	97.3	97.8	41.3	58.3	65.7	80.5	84.1	85.1	87.7	90.6	92.4	94.6	95.8	96.2	96.7	97.2	97.6	98.6	
200	41.3	58.3	65.7	80.5	84.1	85.1	87.7	90.6	92.4	94.6	95.8	96.2	96.7	97.2	97.6	98.6	41.3	58.3	65.7	80.5	84.1	85.1	87.7	90.6	92.4	94.6	95.8	96.2	96.7	97.2	97.6	98.3	99.7
100	41.3	58.3	65.7	80.5	84.1	85.1	87.7	90.6	92.4	94.6	95.8	96.2	96.7	97.2	97.6	98.3	99.7	41.3	58.3	65.0	80.5	84.1	85.1	87.7	90.6	92.4	94.6	95.8	96.3	96.8	97.7	98.4	99.0
0	41.3	58.3	65.0	80.5	84.1	85.1	87.7	90.6	92.4	94.6	95.8	96.3	96.8	97.7	98.4	99.0																	

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

75831  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-82  
YEAR

001  
MONTH

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

12 0-1400  
MONTH

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)															
	≥10	26	25	24	23	22	22	21	21	21	20	20	19	19	18	18	17	17	16	16	15	15	14	14	13	13	12	12	11	11	10	10
NO CEILING ≥ 20000	17.5	23.4	24.6	26.0	26.6	26.6	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
IV 18000 16000	25.6	32.8	34.1	36.1	36.8	36.8	37.6	37.8	37.8	37.8	37.8	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 14000 12000	26.1	33.3	34.6	36.7	37.3	37.3	38.2	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 10000 9000	28.0	35.6	37.4	40.1	40.8	40.8	41.6	42.0	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 8000 7000	31.2	40.0	42.2	45.3	45.9	46.1	47.1	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 6000 5000	32.8	42.3	44.5	47.8	48.5	48.8	49.8	50.2	50.2	50.2	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 4500 4000	37.4	49.2	52.3	55.8	56.7	57.0	58.0	58.4	58.4	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 3500 3000	47.0	61.4	64.7	69.2	70.3	70.6	71.6	72.2	72.2	72.2	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 2500 2000	51.0	68.0	71.7	76.9	78.2	78.5	79.6	80.1	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 1800 1500	53.9	72.4	77.1	83.1	85.2	85.7	87.1	87.8	87.8	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1200 1000	54.6	74.4	79.6	87.5	91.0	90.5	92.5	93.2	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 900 800	54.7	74.7	80.3	88.7	91.2	91.8	93.9	94.6	94.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700 600	54.7	74.9	80.5	89.4	91.9	92.8	95.4	96.2	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 500 400	54.7	74.9	80.5	90.0	92.7	93.7	96.7	97.7	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 300 200	54.7	74.9	80.5	90.0	92.7	93.7	96.7	97.7	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100 0	54.7	74.9	80.5	90.0	92.7	93.7	96.7	97.7	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOPAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: LAKENHEATH RAF UK

73-87

YR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES																OP (HUNDREDS OF METERS)															
	210	200	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
	GT9.7	EQ9.0	GE8.7	GE8.0	GE7.3	GE6.7	GE6.0	GE5.3	GE4.7	GE4.0	GE3.3	GE2.7	GE2.0	GE1.3	GE0.7	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0	GE0.0			
20000	18.0	24.1	25.4	27.8	28.2	28.2	28.5	29.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5				
18000	24.8	31.8	33.7	37.0	37.6	37.7	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3				
16000	25.1	32.0	34.0	37.3	38.1	38.2	39.7	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9				
14000	25.2	32.4	34.3	37.6	38.4	38.5	39.7	39.1	39.2	39.4	39.4	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2				
12000	25.3	32.5	34.4	37.7	38.5	38.6	39.1	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4				
10000	26.1	33.8	35.8	39.4	47.1	40.2	47.9	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	41.0	41.0	41.0	41.0	41.0				
9000	27.7	36.3	38.7	42.7	43.4	43.5	44.2	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5				
8000	29.6	37.3	39.7	43.7	44.5	44.6	45.3	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6				
7000	31.6	42.7	44.0	49.2	57.2	50.3	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3				
6000	33.7	44.0	47.7	51.3	52.3	52.4	53.7	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3				
5000	33.3	44.4	47.4	51.7	52.7	52.8	53.4	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8				
4500	35.4	46.7	49.7	54.1	55.1	55.2	55.8	55.9	56.7	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	56.1	56.1	56.1	56.1	56.1	56.1				
4000	39.1	51.3	54.8	59.5	60.5	60.6	61.3	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6				
3500	43.7	57.3	61.6	67.1	68.3	68.5	69.1	69.2	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6				
3000	46.9	62.9	68.7	74.2	75.4	75.6	76.3	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8				
2500	50.2	67.1	72.7	79.4	87.8	81.7	81.8	82.0	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6				
2000	51.7	69.2	74.9	81.7	83.1	83.4	84.4	84.6	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2				
1800	54.3	72.6	79.1	86.6	88.5	88.8	90.7	90.5	90.6	91.0	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	91.1	91.1				
1500	54.3	73.1	81.1	88.3	97.6	91.0	92.5	93.0	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8				
1200	54.6	73.8	81.1	89.4	92.2	92.5	94.1	94.6	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4				
1000	54.6	73.9	81.4	89.8	92.8	93.3	94.9	95.5	95.6	95.9	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	96.2	96.2	96.2				
900	54.6	74.0	81.6	90.0	93.0	93.5	95.4	96.0	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8				
800	54.6	74.0	81.7	90.1	93.1	93.8	95.6	96.2	96.3	96.7	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	97.0	97.0	97.0				
700	54.6	74.1	81.9	90.5	93.7	94.3	96.2	97.0	97.1	97.4	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	97.7	97.7	97.7				
600	54.6	74.1	81.9	91.0	94.2	94.9	96.9	97.7	98.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6				
500	54.6	74.1	81.9	91.0	94.2	95.1	97.1	98.0	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9				
400	54.6	74.1	81.9	91.0	94.2	95.1	97.2	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4				
300	54.6	74.1	81.9	91.0	94.2	95.1	97.2	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4				
200	54.6	74.1	81.9	91.0	94.2	95.1	97.2	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4				
100	54.6	74.1	81.9	91.0	94.2	95.1	97.2	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4				
0	54.6	74.1	81.9	91.0	94.2	95.1	97.2	98.1	98.3	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4				

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

135831 LAKENHEATH RAF UK

73-87

CCF

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

18 2-2000

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.15
NO. CEILING	GT9	EQ9	GF8	GF6	GF4	GF2	GF1	GF0.75	GF0.5	GF0.4	GF0.3	GF0.25	GF0.2	GF0.15	GF0.1	GF0.05
≥20000	21.0	28.2	31.4	33.5	34.9	35.1	35.9	36.7	36.9	37.0	37.7	37.1	37.2	37.2	37.2	37.2
≥18000	24.3	32.5	36.6	39.2	40.8	40.9	41.9	42.9	43.1	43.3	43.4	43.5	43.7	43.7	43.7	43.9
≥16000	24.3	32.7	36.8	39.5	41.7	41.7	42.2	43.1	43.3	43.5	43.7	43.8	43.9	43.9	43.9	44.0
≥14000	24.3	32.9	37.1	39.7	41.2	41.3	42.4	43.3	43.5	43.8	43.9	44.0	44.1	44.1	44.1	44.2
≥12000	24.6	33.3	37.4	40.3	41.8	41.9	43.1	44.0	44.2	44.4	44.5	44.6	44.7	44.7	44.7	44.8
≥10000	26.1	34.9	39.2	42.4	43.9	44.0	45.4	46.3	46.6	46.8	46.9	47.0	47.1	47.1	47.1	47.2
≥9000	26.5	35.5	39.8	42.9	44.4	44.5	45.9	46.9	47.1	47.3	47.4	47.5	47.6	47.6	47.6	47.7
≥8000	28.3	38.7	43.1	46.7	48.3	48.4	49.8	50.8	51.7	51.2	51.3	51.4	51.5	51.5	51.5	51.6
≥7000	29.1	40.0	44.4	48.0	49.7	49.8	51.2	52.2	52.4	52.6	52.7	52.8	52.9	52.9	52.9	53.1
≥6000	29.2	40.1	44.5	48.2	50.0	50.1	51.7	52.7	52.9	53.1	53.2	53.3	53.4	53.5	53.5	53.8
≥5000	31.9	43.1	47.8	51.5	53.5	53.7	55.3	56.2	56.5	56.7	56.8	56.9	57.0	57.1	57.1	57.3
≥4500	34.6	46.8	51.8	56.0	58.1	58.2	59.8	60.8	61.7	61.2	61.3	61.4	61.5	61.6	61.6	61.8
≥4000	39.2	53.3	58.9	64.1	66.3	66.5	68.2	69.1	69.4	69.8	69.9	70.0	70.1	70.2	70.2	70.4
≥3500	47.5	56.0	62.3	67.7	70.7	70.1	72.7	73.9	73.2	73.7	73.8	73.9	74.0	74.1	74.1	74.3
≥3000	43.4	60.1	67.2	73.1	75.6	75.7	77.7	78.7	78.9	79.8	79.9	80.0	80.1	80.2	80.2	80.4
≥2500	44.9	62.3	69.5	75.9	78.4	78.5	80.5	81.5	81.7	82.6	82.7	82.8	82.9	83.0	83.0	83.2
≥2000	47.4	65.4	72.7	80.0	83.0	83.3	85.4	86.9	87.1	88.1	88.2	88.3	88.4	88.5	88.5	88.7
≥1800	47.4	65.6	72.9	80.2	83.2	83.5	86.0	87.1	87.3	88.5	88.6	88.7	88.8	88.9	88.9	89.1
≥1500	48.1	67.7	74.6	82.3	85.3	85.8	88.5	89.9	90.1	91.3	91.4	91.5	91.6	91.7	91.7	91.9
≥1200	48.5	67.6	75.5	83.8	87.1	87.7	90.9	92.3	92.5	93.8	93.9	94.0	94.1	94.3	94.3	94.5
≥1000	48.8	68.0	75.9	84.3	87.6	88.3	91.4	92.8	93.7	94.3	94.4	94.5	94.6	94.8	94.8	95.1
≥900	48.8	68.0	75.9	84.4	87.7	88.4	91.5	93.2	93.4	94.7	94.8	94.9	95.1	95.3	95.3	95.5
≥800	48.9	68.1	76.1	84.7	88.2	88.8	91.9	93.7	93.9	95.2	95.3	95.4	95.5	95.7	95.7	95.9
≥700	48.9	68.3	76.5	85.1	88.6	89.2	92.9	94.5	94.7	96.0	96.1	96.2	96.3	96.6	96.6	96.8
≥600	48.9	68.4	76.7	85.4	88.9	89.6	92.8	94.9	95.2	96.5	96.6	96.7	96.8	97.0	97.0	97.2
≥500	48.9	68.5	76.8	85.9	89.6	90.2	93.9	96.0	96.3	97.8	98.0	98.1	98.2	98.4	98.4	98.6
≥400	48.9	68.5	76.8	85.9	89.6	90.2	93.9	96.2	96.6	98.1	98.2	98.4	98.5	98.7	98.7	98.9
≥300	48.9	68.5	76.8	85.9	89.6	90.2	93.9	96.2	96.6	98.1	98.2	98.4	98.5	98.7	98.7	98.9
≥200	48.9	68.5	76.8	85.9	89.6	90.2	93.9	96.2	96.6	98.1	98.2	98.4	98.5	98.8	98.8	99.1
≥100	48.9	68.5	76.8	85.9	89.6	90.2	93.9	96.2	96.6	98.1	98.2	98.4	98.5	98.8	98.8	99.1
≥0	48.9	68.5	76.8	85.9	89.6	90.2	93.9	96.2	96.6	98.1	98.2	98.4	98.5	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

175931  
STATION

LAKENHEATH RAF UK  
STATION NAME

73-87  
YEAR

007  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1170-2300  
LOCAL TIME

NO. CEILING FEET	VISIBILITY: STATUTE MILES OR (HUNDREDS OF METERS)																				
	GE07	GE09	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	GE07	
≥ 20000	23.5	30.6	33.0	36.7	37.7	38.1	38.9	40.2	40.5	41.5	42.0	42.2	42.4	42.8	42.9	43.5					
≥ 18000	25.7	33.3	36.1	39.9	41.0	41.3	42.3	43.7	44.0	45.5	46.0	46.1	46.5	47.0	47.1	47.8					
≥ 16000	25.9	33.4	36.2	40.0	41.1	41.4	42.4	43.8	44.1	45.6	46.1	46.2	46.6	47.1	47.2	48.0					
≥ 14000	25.9	33.4	36.2	40.0	41.1	41.4	42.4	43.8	44.1	45.6	46.1	46.2	46.6	47.1	47.2	48.0					
≥ 12000	25.9	33.7	36.6	40.4	41.5	41.8	42.8	44.2	44.5	46.0	46.6	46.7	47.0	47.5	47.6	48.4					
≥ 10000	27.3	35.7	38.6	42.5	43.5	43.9	44.8	46.2	46.6	48.1	48.7	48.8	49.1	49.7	49.8	50.5					
≥ 9000	27.7	37.1	40.3	44.2	45.3	45.6	46.6	48.0	48.3	49.8	50.4	50.5	50.9	51.4	51.5	52.3					
≥ 8000	29.5	39.1	42.5	46.9	48.1	48.4	49.5	50.9	51.2	52.7	53.3	53.4	53.8	54.3	54.4	55.2					
≥ 7000	29.1	39.8	43.3	47.8	49.7	49.4	50.4	51.8	52.0	53.7	54.4	54.6	54.9	55.9	55.9	56.9					
≥ 6000	29.9	40.5	44.1	48.9	50.1	50.4	51.5	52.9	53.2	54.7	55.5	55.7	56.0	56.9	57.0	57.8					
≥ 5000	31.5	42.5	46.0	51.0	52.0	52.5	53.5	54.9	55.3	56.8	57.5	57.7	58.1	58.9	59.0	59.9					
≥ 4500	33.3	45.6	49.2	54.7	55.9	56.2	57.3	58.7	59.0	60.5	61.3	61.5	61.8	62.7	62.8	63.7					
≥ 4000	37.1	50.6	54.7	61.1	62.3	62.6	63.7	65.1	65.4	67.1	67.8	68.1	68.5	69.4	69.5	70.3					
≥ 3500	39.5	53.3	57.5	64.4	65.6	65.9	67.2	68.6	68.9	70.6	71.5	71.7	72.2	73.0	73.1	74.0					
≥ 3000	41.1	56.5	61.2	68.6	70.0	70.3	71.6	73.0	73.4	75.2	76.0	76.2	76.7	77.5	77.6	78.5					
≥ 2500	41.7	57.7	62.6	70.6	72.3	72.7	74.3	75.7	76.1	77.8	78.7	78.9	79.4	80.2	80.3	81.2					
≥ 2000	43.9	61.1	66.2	75.2	77.3	77.7	79.6	81.1	81.6	83.3	84.2	84.4	84.8	85.7	85.8	86.7					
≥ 1800	43.8	61.3	66.5	75.4	77.7	78.2	80.0	81.6	82.2	83.9	84.7	84.9	85.4	86.2	86.3	87.2					
≥ 1500	44.6	62.5	67.7	76.8	79.4	79.8	81.9	83.7	84.0	86.0	86.9	87.1	87.5	88.4	88.5	89.4					
≥ 1200	45.3	63.7	69.4	78.5	81.3	81.7	84.0	85.8	86.3	88.3	89.1	89.4	89.8	90.6	90.8	91.6					
≥ 1000	45.4	64.2	70.7	79.4	82.2	82.7	84.9	86.9	87.5	89.5	90.3	90.5	91.0	91.8	91.9	92.8					
≥ 900	45.4	64.2	70.2	79.6	82.5	83.0	85.4	87.7	88.4	90.3	91.2	91.4	91.8	92.7	92.8	93.7					
≥ 800	45.5	64.4	70.4	79.9	82.8	83.3	85.7	88.2	88.8	91.2	92.0	92.3	92.7	93.5	93.7	94.5					
≥ 700	45.7	64.7	70.8	80.3	83.3	83.9	86.2	89.0	89.7	92.0	92.9	93.1	93.5	94.4	94.5	95.4					
≥ 600	45.7	64.7	70.8	80.5	83.9	84.4	87.2	90.0	90.6	93.1	94.0	94.2	94.6	95.5	95.6	96.5					
≥ 500	45.9	64.9	71.0	81.1	84.7	85.4	88.3	91.2	91.8	94.3	95.2	95.4	95.9	96.8	96.9	97.8					
≥ 400	45.9	64.9	71.1	81.3	84.9	85.6	88.5	91.5	92.2	94.6	95.5	95.7	96.2	97.1	97.3	98.3					
≥ 300	45.9	64.9	71.1	81.3	84.9	85.6	88.6	91.6	92.4	94.8	95.7	95.9	96.5	97.4	97.6	98.6					
≥ 200	45.9	64.9	71.1	81.3	84.9	85.6	88.6	91.6	92.4	94.8	95.7	96.0	96.6	97.6	98.0	99.4					
≥ 100	45.9	64.9	71.1	81.3	84.9	85.6	88.6	91.6	92.4	94.8	95.7	96.0	96.6	97.6	98.0	99.5					
≥ 0	45.9	64.9	71.1	81.3	84.9	85.6	88.6	91.6	92.4	94.8	95.7	96.0	96.6	97.6	98.0	100.0					

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

PERIOD: LAKENHEATH RAF UK

73-87

307

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES																				OR IN HUNDREDS OF METERS																													
	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0										
20000	18.3	24.9	27.3	31.5	31.5	31.7	32.9	33.6	33.9	34.1	34.5	34.5	34.7	35.0	35.4	36.0	22.1	29.4	32.3	36.3	37.5	37.7	39.1	39.9	40.2	40.7	41.1	41.2	41.4	41.7	42.1	42.1	43.0	22.3	29.6	32.5	36.6	37.8	38.7	39.3	40.3	40.5	41.1	41.4	41.6	41.7	42.1	42.5	43.3	
18000	22.3	29.7	32.2	36.7	37.9	38.1	39.4	40.4	40.6	41.2	41.5	41.7	41.9	42.2	42.6	43.4	22.4	29.8	32.9	36.9	38.0	38.3	39.5	40.5	40.8	41.3	41.7	41.8	42.7	42.3	42.7	43.4	22.6	30.1	33.1	37.3	38.5	38.7	40.0	41.2	41.8	42.1	42.3	42.4	42.8	43.2	44.0			
16000	23.9	31.8	35.7	39.3	40.6	40.9	42.2	43.3	43.5	44.1	44.5	44.6	44.9	45.1	45.9	46.4	24.3	32.7	35.9	40.4	41.7	41.9	43.1	44.3	44.6	45.2	45.6	45.7	45.9	46.2	46.6	47.5	26.4	35.7	39.2	44.1	45.5	45.8	47.2	48.3	48.5	49.2	49.6	49.7	49.9	50.2	50.6	51.5		
14000	27.2	36.8	40.5	45.5	47.0	47.3	48.7	49.8	50.7	50.7	51.1	51.1	51.3	51.4	51.9	52.2	27.6	37.3	40.9	46.0	47.6	47.8	49.3	50.4	50.6	51.3	51.8	51.9	52.1	52.5	52.9	53.8	29.4	39.5	43.3	48.5	50.2	50.5	52.1	53.2	53.3	54.0	54.4	54.6	54.7	55.2	55.6	56.5		
12000	31.9	43.4	47.7	53.6	55.3	55.7	57.2	58.3	58.6	59.4	59.9	60.0	60.7	60.6	61.0	62.0	31.5	41.2	45.1	50.1	51.9	52.3	53.9	55.1	55.4	56.3	56.8	57.2	57.6	58.2	59.2	60.2	61.2	62.2	33.9	43.4	47.7	53.6	55.3	55.7	57.2	58.3	58.6	59.4	59.9	60.0	60.7	60.6	61.0	62.0
10000	37.5	51.2	56.4	63.7	65.6	66.0	67.7	68.9	69.2	70.2	70.7	70.9	71.7	71.5	71.9	72.9	35.5	48.3	53.1	60.1	61.9	62.3	63.9	65.1	65.4	66.3	66.8	67.2	67.6	68.2	69.2	70.2	71.2	72.2	37.9	54.8	60.4	68.3	70.5	70.9	72.7	73.9	74.3	75.3	75.8	76.0	76.2	76.7	77.1	78.0
8000	42.7	59.2	65.5	74.7	77.5	78.0	80.0	82.1	82.6	83.7	84.2	84.4	84.6	85.1	85.5	86.4	42.6	59.0	65.3	74.3	77.1	77.6	79.9	81.5	82.1	83.2	83.5	83.7	83.9	84.4	84.8	85.7	44.7	62.7	70.2	79.2	82.6	83.0	85.1	86.4	86.8	87.8	88.3	88.5	89.0	89.3	89.4	89.8	90.5	91.5
6000	43.3	60.4	66.9	76.6	79.6	80.2	82.8	84.7	85.2	86.3	86.9	87.1	87.2	87.7	88.1	89.1	43.8	61.1	68.0	78.0	81.3	82.0	84.7	86.7	87.3	88.5	89.0	89.3	89.4	89.8	90.7	91.7	92.7	44.3	61.5	68.4	78.8	82.2	82.9	85.7	87.8	88.3	89.5	90.2	90.4	90.6	91.1	91.5	92.4	93.4
4000	43.9	61.5	68.6	79.0	82.5	83.2	86.1	88.3	88.8	90.1	90.8	91.0	91.2	91.7	92.1	93.0	43.9	61.5	68.6	79.0	82.5	83.2	86.1	88.3	88.8	90.1	90.8	91.0	91.2	91.7	92.1	93.0	44.1	61.8	69.1	79.9	83.6	84.3	87.4	89.9	90.5	91.9	92.6	92.8	93.3	93.5	93.7	94.3	94.7	95.6
2000	44.1	61.8	69.1	80.1	83.9	84.8	88.0	90.5	91.1	92.6	93.3	93.6	93.7	94.3	94.7	95.6	44.1	61.8	69.1	80.1	83.9	84.8	88.0	90.5	91.1	92.6	93.3	93.6	93.7	94.3	94.7	95.6	44.1	61.9	69.3	80.6	84.6	85.4	88.9	91.6	92.3	93.9	94.7	95.0	95.3	95.8	96.2	97.3		
1000	44.1	61.9	69.3	80.7	84.7	85.5	89.0	91.8	92.6	94.3	95.2	95.6	95.9	96.7	97.2	98.6	44.1	61.9	69.3	80.7	84.7	85.5	89.0	91.8	92.6	94.3	95.2	95.6	95.9	96.7	97.2	98.6	44.1	61.9	69.3	80.7	84.7	85.5	89.0	91.8	92.6	94.3	95.2	95.7	95.9	96.8	97.3	99.4		
500	44.1	61.9	69.3	80.7	84.7	85.5	89.0	91.8	92.6	94.3	95.2	95.7	96.0	96.9	97.4	100.0	44.1	61.9	69.3	80.7	84.7	85.5	89.0	91.8	92.6	94.3	95.2	95.7	96.0	96.9	97.4	100.0	44.1	61.9	69.3	80.7	84.7	85.5	89.0	91.8	92.6	94.3	95.2	95.7	96.0	96.9	97.4	100.0		

TOTAL NUMBER OF OBSERVATIONS 7430

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1981 LAKENHEATH RAF UK

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

112-112

CEILING (FEET)	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	5/8	3/4	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384
27.8	33.0	35.4	39.2	47.2	47.3	41.7	42.6	43.7	43.8	43.9	43.9	44.3	44.4	44.6	45.5	
29.7	35.5	39.7	42.0	43.1	43.2	44.6	45.5	46.2	46.7	46.8	46.8	47.2	47.4	47.6	48.6	
29.7	35.5	39.7	42.0	43.1	43.2	44.6	45.5	46.2	46.7	46.8	46.8	47.2	47.4	47.6	48.6	
30.0	35.7	39.2	42.2	43.4	43.5	44.8	45.7	46.4	47.0	47.1	47.1	47.4	47.6	47.9	48.9	
30.0	35.7	38.0	42.2	43.4	43.5	44.8	45.7	46.4	47.0	47.1	47.1	47.4	47.6	47.9	48.9	
30.9	36.6	39.1	43.2	44.4	44.6	46.2	47.2	48.0	48.5	48.6	48.8	49.1	49.3	49.5	51.6	
31.2	37.3	40.2	44.4	45.6	45.8	47.4	48.4	49.2	49.8	49.9	51.0	51.3	51.5	51.8	51.9	
33.7	40.5	43.7	48.0	49.4	49.7	51.2	52.3	53.0	53.6	53.7	53.8	54.2	54.4	54.6	55.6	
34.5	42.0	45.3	49.5	51.7	51.2	52.8	54.1	54.8	55.4	55.5	55.6	56.0	56.2	56.4	57.4	
34.8	42.3	45.6	49.9	51.4	51.6	53.2	54.4	55.2	55.7	55.9	56.0	56.2	56.5	56.7	57.8	
36.8	44.7	48.0	52.6	54.2	54.4	56.1	57.3	58.1	58.7	58.8	58.9	59.2	59.5	59.7	61.7	
42.0	50.5	54.8	60.1	61.0	62.2	63.9	65.1	65.9	66.4	66.6	66.7	67.0	67.2	67.5	68.5	
45.1	53.9	58.8	64.8	66.6	66.9	68.7	70.0	70.8	71.4	71.5	71.6	72.0	72.2	72.4	73.4	
48.1	57.3	62.3	68.5	70.3	70.6	72.4	73.9	74.7	75.2	75.3	75.5	75.8	76.0	76.2	77.3	
50.3	60.1	65.2	72.0	73.9	74.3	76.1	77.7	78.5	79.1	79.2	79.3	79.6	79.8	80.1	81.1	
52.3	62.3	67.5	74.3	76.2	76.7	78.5	80.1	80.9	81.4	81.5	81.6	82.0	82.2	82.4	83.4	
55.1	65.7	71.1	78.4	80.4	80.9	82.9	84.7	85.5	86.0	86.1	86.3	86.6	86.8	87.0	88.1	
55.1	65.7	71.1	78.5	80.5	81.0	83.1	85.0	85.8	86.4	86.5	86.6	86.9	87.2	87.4	88.4	
55.7	66.4	72.1	79.5	81.5	82.0	84.2	86.1	86.9	87.5	87.6	87.7	88.1	88.3	88.5	89.5	
56.8	67.9	73.6	81.4	83.4	83.9	86.1	88.1	88.9	89.4	89.5	89.6	90.0	90.2	90.4	91.4	
57.2	68.7	74.5	82.3	84.3	84.9	87.2	89.2	90.0	90.5	90.7	90.8	91.1	91.3	91.6	92.6	
57.3	68.8	74.7	82.7	84.7	85.2	87.5	89.5	90.3	90.9	91.0	91.1	91.4	91.7	91.9	92.9	
57.3	68.8	74.8	83.0	85.0	85.6	88.0	90.0	90.8	91.6	91.7	91.8	92.1	92.3	92.6	93.6	
57.4	68.9	74.9	83.7	85.7	86.3	88.6	90.7	91.4	92.2	92.3	92.5	92.8	93.0	93.2	94.3	
57.5	69.0	75.2	84.1	86.3	86.8	89.4	91.6	92.3	93.2	93.4	93.5	93.8	94.0	94.3	95.3	
57.5	69.0	75.2	84.1	86.3	86.8	89.6	91.8	92.6	93.7	93.8	93.9	94.3	94.5	94.7	95.7	
57.5	69.0	75.2	84.1	86.3	86.8	89.8	92.0	93.0	94.5	94.7	94.8	95.2	95.4	95.6	96.6	
57.5	69.0	75.2	84.1	86.3	86.8	89.8	92.1	93.2	94.7	94.9	95.0	95.4	95.7	95.9	97.0	
57.5	69.0	75.2	84.1	86.3	86.8	89.8	92.1	93.2	94.9	95.2	95.3	95.6	96.3	96.5	98.3	
57.5	69.0	75.2	84.1	86.3	86.8	89.8	92.1	93.2	94.9	95.2	95.3	95.7	96.4	96.6	99.0	
57.5	69.0	75.2	84.1	86.3	86.8	89.8	92.1	93.2	94.9	95.2	95.3	95.7	96.4	96.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 888

FEDERAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

78311 LAKENHEATH RAF UK

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

100-0500

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)										
	2.0	2.0	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
20000	23.9	28.8	31.6	34.8	35.7	36.5	38.7	38.7	38.9	39.0	39.5	39.6	39.6	39.8	40.5	42.0											
18000	26.7	32.3	35.1	38.3	39.4	40.0	41.4	42.2	42.3	42.5	43.0	43.1	43.1	43.2	44.0	45.5											
16000	26.7	32.3	35.1	38.3	39.4	40.0	41.4	42.2	42.3	42.5	43.0	43.1	43.1	43.2	44.0	45.5											
14000	26.7	32.3	35.1	38.3	39.4	40.0	41.4	42.2	42.3	42.5	43.0	43.1	43.1	43.2	44.0	45.5											
12000	26.7	32.3	35.1	38.3	39.4	40.0	41.4	42.2	42.3	42.5	43.0	43.1	43.1	43.2	44.0	45.5											
10000	27.6	33.6	36.4	39.8	41.0	41.6	43.0	43.8	43.9	44.0	44.6	44.7	44.7	44.8	45.6	47.1											
9000	29.7	34.3	37.3	40.8	42.2	42.8	44.3	45.0	45.2	45.3	45.8	45.9	45.9	46.1	46.8	48.7											
8000	32.3	36.7	40.0	43.5	45.0	45.6	47.1	47.9	48.0	48.1	48.6	48.8	48.8	48.9	49.7	51.1											
7000	33.9	37.5	40.9	44.6	46.2	46.7	48.2	49.1	49.2	49.3	49.9	50.0	50.0	50.1	50.9	52.4											
6000	31.3	36.2	41.6	45.3	46.8	47.4	49.0	49.9	50.0	50.1	50.7	50.8	50.8	50.9	51.7	53.2											
5000	33.2	40.5	44.0	47.7	49.4	50.0	51.9	52.8	53.0	53.2	53.7	53.8	53.8	53.9	54.7	56.2											
4500	37.0	45.2	49.8	53.9	55.7	56.3	58.3	59.2	59.5	59.6	60.1	60.2	60.2	60.4	61.1	62.7											
4000	43.7	51.4	56.3	62.3	64.3	64.9	66.9	68.0	68.9	68.6	69.3	69.4	69.4	69.5	70.3	71.8											
3500	44.3	52.8	58.1	64.2	66.2	66.8	68.9	69.9	70.3	70.5	71.2	71.3	71.3	71.4	72.2	73.8											
3000	46.7	56.2	61.4	68.6	70.6	71.2	73.2	74.4	74.9	75.1	75.9	75.9	75.9	76.3	76.8	78.4											
2500	48.4	57.9	63.1	70.8	72.9	73.4	75.5	76.7	77.1	77.5	78.2	78.3	78.3	78.4	79.2	80.7											
2000	51.4	61.1	66.3	74.9	77.0	77.7	80.0	81.3	81.8	82.1	82.8	82.9	82.9	83.0	83.8	85.4											
1800	51.5	61.7	66.9	75.9	78.0	78.7	81.1	82.4	82.9	83.2	83.9	84.0	84.0	84.1	84.9	86.5											
1600	53.6	64.2	69.9	79.3	81.4	82.1	84.5	85.8	86.3	86.6	87.3	87.4	87.4	87.5	88.3	89.9											
1400	55.1	66.2	72.0	81.5	83.7	84.5	86.8	88.2	88.6	89.0	89.6	89.8	89.8	89.9	90.7	92.2											
1200	55.3	66.6	72.4	82.0	84.1	84.9	87.3	88.6	89.1	89.4	90.1	90.2	90.2	90.3	91.1	92.7											
1000	55.6	67.1	73.0	82.5	84.7	85.5	87.8	89.2	89.6	90.0	90.7	90.8	90.8	90.9	91.7	93.2											
900	55.6	67.2	73.1	83.0	85.2	86.0	88.4	89.8	90.3	90.5	91.2	91.3	91.3	91.4	92.2	93.8											
800	56.0	67.6	73.4	83.3	85.8	86.6	89.1	90.4	90.9	91.2	91.9	92.0	92.0	92.1	92.9	94.5											
700	56.0	67.6	73.4	83.3	85.9	86.7	89.9	90.9	91.3	91.7	92.3	92.5	92.5	92.6	93.4	94.9											
600	56.7	67.6	73.4	83.6	86.1	87.0	89.9	91.4	91.9	92.2	92.9	93.0	93.0	93.1	93.9	95.5											
500	56.7	67.6	73.4	83.6	86.1	87.0	90.1	91.7	92.2	92.9	93.8	93.9	93.9	94.3	95.0	96.6											
400	56.7	67.6	73.4	83.6	86.1	87.0	90.1	91.7	92.2	92.9	93.9	94.0	94.0	94.5	95.4	97.4											
300	56.7	67.6	73.4	83.6	86.1	87.0	90.1	91.7	92.2	92.9	94.0	94.4	94.4	95.0	96.2	99.1											
200	56.0	67.6	73.4	83.6	86.1	87.0	90.1	91.7	92.2	92.9	94.0	94.4	94.4	95.0	96.2	100.0											

TOTAL NUMBER OF OBSERVATIONS 888

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: LAKENHEATH PAF UK YEAR: 73-87 MONTH: NOV  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS) 632-7822

CEILING FEET	VISIBILITY STATUTE MILES															
	GE17	GE16	GE15	GE14	GE13	GE12	GE11	GE10	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2
≥ 20000	17.6	22.6	24.1	28.7	28.4	28.6	29.9	37.6	37.7	31.7	31.7	31.4	31.4	31.9	32.3	33.4
≥ 18000	19.5	25.9	27.6	31.8	32.3	32.5	33.6	34.8	34.9	35.1	35.5	35.6	35.6	36.7	36.6	37.8
≥ 16000	19.6	26.7	27.7	31.9	32.4	32.7	33.7	34.9	35.0	35.2	35.6	35.7	35.7	36.1	36.7	38.7
≥ 14000	19.7	26.1	27.8	32.0	32.5	32.8	33.8	35.0	35.1	35.4	35.7	35.8	35.8	36.3	36.8	38.1
≥ 12000	19.7	26.1	27.8	32.0	32.5	32.8	33.8	35.0	35.1	35.4	35.7	35.8	35.8	36.3	36.8	38.1
≥ 10000	21.1	27.8	29.8	34.3	35.0	35.2	36.5	37.7	37.8	38.1	38.4	38.5	38.5	39.7	39.5	42.8
≥ 9000	22.4	29.3	31.4	35.9	36.7	36.9	38.2	39.4	39.5	39.8	41.1	41.2	41.2	42.7	41.2	42.6
≥ 8000	25.8	33.7	35.6	40.4	41.4	41.7	43.7	44.3	44.5	44.7	45.7	45.7	45.2	45.2	45.6	47.5
≥ 7000	26.7	34.7	36.6	41.4	42.5	42.7	44.7	45.3	45.5	45.7	46.1	46.2	46.2	46.6	47.2	48.5
≥ 6000	26.9	34.3	37.7	41.9	42.9	43.1	44.5	45.8	46.1	46.3	46.6	46.7	46.7	47.2	47.7	49.1
≥ 5000	29.7	37.5	40.4	45.6	46.8	47.1	48.6	51.0	50.3	50.6	52.9	51.0	51.0	51.5	52.7	53.4
≥ 4500	34.6	42.6	46.2	52.0	53.4	53.6	55.3	56.6	57.0	57.2	57.5	57.7	57.7	58.1	58.7	61.7
≥ 4000	41.7	50.8	54.5	60.9	62.5	62.7	64.4	65.9	66.3	66.7	67.0	67.1	67.1	67.6	68.1	69.5
≥ 3500	43.9	53.6	57.5	64.5	66.2	66.4	68.1	69.6	71.0	70.4	70.7	70.8	70.8	71.3	71.8	73.2
≥ 3000	45.4	55.4	59.6	67.1	68.9	69.1	71.1	72.5	73.7	73.3	73.6	73.8	73.8	74.2	74.8	76.1
≥ 2500	46.7	56.8	61.0	68.8	70.8	71.1	73.1	74.7	75.1	75.7	76.7	76.1	76.1	76.6	77.1	78.5
≥ 2000	48.4	58.8	63.3	72.0	74.2	74.4	76.8	78.7	79.2	80.0	81.4	81.5	81.6	81.1	81.6	83.7
≥ 1800	49.2	59.7	64.2	73.3	75.6	75.8	78.2	80.1	80.5	81.3	81.8	81.9	82.0	82.4	83.7	84.3
≥ 1500	51.1	62.7	66.8	76.2	78.6	79.1	81.5	83.6	84.0	84.8	85.2	85.4	85.5	85.9	86.5	87.8
≥ 1200	52.1	63.5	68.8	78.5	81.1	81.8	84.5	86.7	87.2	88.0	88.4	88.6	88.7	89.2	89.8	91.1
≥ 1000	52.1	63.6	69.7	78.8	81.4	82.1	85.0	87.4	87.8	88.6	89.1	89.3	89.4	89.9	91.4	91.8
≥ 800	52.1	63.6	69.7	78.9	81.6	82.3	85.2	87.6	88.1	88.9	89.3	89.5	89.6	90.1	91.7	92.0
≥ 700	52.1	63.6	69.1	79.4	82.1	83.0	86.7	88.5	89.0	89.8	90.2	90.4	90.5	91.0	91.6	92.9
≥ 600	52.1	63.6	69.3	79.7	82.4	83.3	86.4	89.3	89.8	90.5	91.0	91.2	91.3	91.8	92.3	93.7
≥ 500	52.1	63.6	69.3	79.8	82.7	83.7	86.7	89.8	90.2	91.6	92.7	92.2	92.3	92.8	93.4	94.7
≥ 400	52.1	63.6	69.3	80.0	82.8	83.8	86.9	90.1	90.8	92.2	92.7	92.9	93.0	93.5	94.2	95.5
≥ 300	52.1	63.6	69.3	80.0	82.8	83.8	87.0	90.2	91.0	92.6	93.2	93.7	93.9	94.4	94.9	96.6
≥ 200	52.1	63.6	69.3	80.0	82.8	83.8	87.0	90.2	91.0	92.7	93.4	93.8	94.0	94.6	95.6	97.6
≥ 100	52.1	63.6	69.3	80.0	82.8	83.8	87.0	90.2	91.0	92.7	93.4	93.8	94.1	94.7	96.1	99.0
≥ 0	52.1	63.6	69.3	80.0	82.8	83.8	87.0	90.2	91.0	92.7	93.4	93.8	94.1	94.7	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 888

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75831 LAKENHEATH RAF UK

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1977-1978

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)										
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
≥ 20000	17.6	21.6	22.7	25.9	27.1	27.3	27.4	28.8	28.9	28.9	29.1	29.3	29.5	29.6	29.8	30.4											
≥ 18000	22.3	27.5	28.9	32.8	34.1	34.2	34.3	36.0	36.1	36.1	36.3	36.6	36.8	36.9	37.2	37.7											
≥ 16000	22.4	27.8	29.3	33.1	34.5	34.6	35.2	36.4	36.5	36.5	36.6	36.9	37.2	37.3	37.5	38.1											
≥ 14000	22.4	27.8	29.3	33.1	34.5	34.6	35.2	36.4	36.5	36.5	36.6	36.9	37.2	37.3	37.5	38.1											
≥ 12000	22.4	27.8	29.3	33.1	34.5	34.6	35.2	36.4	36.5	36.5	36.6	36.9	37.2	37.3	37.5	38.1											
≥ 10000	24.1	29.6	31.1	35.1	36.5	36.6	37.5	38.7	38.9	38.9	39.7	39.3	39.5	39.6	39.9	40.4											
≥ 9000	24.8	30.3	31.9	35.8	37.3	37.4	38.3	39.5	39.6	39.6	39.8	40.1	40.3	40.4	40.7	41.3											
≥ 8000	28.4	34.7	36.4	40.9	42.6	42.7	44.7	45.5	45.7	45.7	45.8	46.2	46.4	46.5	46.7	47.4											
≥ 7000	29.6	36.1	37.9	42.5	44.1	44.3	45.7	47.2	47.4	47.4	47.5	47.9	48.1	48.2	48.4	49.1											
≥ 6000	30.3	36.7	38.5	43.1	44.8	44.9	46.4	47.9	48.1	48.2	48.3	48.6	48.9	49.0	49.2	49.9											
≥ 5000	31.6	38.7	40.4	45.0	47.4	47.5	49.1	50.6	50.8	51.0	51.1	51.6	51.8	51.9	52.3	52.9											
≥ 4500	36.9	44.5	47.1	52.8	54.8	55.0	56.8	58.2	58.4	58.7	58.8	59.2	59.5	59.6	59.9	60.6											
≥ 4000	47.9	49.5	52.4	58.6	60.7	60.8	62.7	64.4	64.6	64.9	65.0	65.4	65.7	65.8	66.1	66.9											
≥ 3500	42.9	52.6	55.9	62.5	64.6	64.9	66.9	68.8	69.7	69.3	69.4	69.8	70.0	70.2	70.5	71.3											
≥ 3000	45.8	56.1	59.5	66.3	68.8	69.1	71.9	73.5	73.8	74.0	74.1	74.5	74.8	75.3	75.3	76.1											
≥ 2500	46.7	57.0	60.6	68.0	71.1	71.4	74.1	76.2	76.6	76.9	77.0	77.5	77.7	77.9	78.3	79.1											
≥ 2000	48.6	59.0	63.3	71.6	74.9	75.2	78.4	80.6	81.0	81.3	81.4	81.9	82.1	82.3	82.7	83.4											
≥ 1800	48.8	59.1	63.5	72.1	75.3	75.7	78.8	81.2	81.5	81.9	82.0	82.4	82.7	82.9	83.2	84.0											
≥ 1500	57.8	61.5	66.1	75.3	79.1	79.5	82.8	85.1	85.5	85.8	85.9	86.4	86.6	86.8	87.2	88.0											
≥ 1200	51.5	62.6	67.9	77.8	81.6	82.1	85.5	87.8	88.2	88.5	88.6	89.1	89.3	89.5	89.9	90.7											
≥ 1000	51.6	62.7	68.0	78.4	82.3	82.8	86.3	88.6	89.0	89.3	89.5	90.0	90.2	90.7	90.9	91.6											
≥ 900	51.6	62.7	68.0	78.4	82.4	83.0	86.7	89.1	89.4	90.0	90.2	90.7	90.9	91.1	91.4	92.2											
≥ 800	51.7	62.8	68.1	78.9	83.4	84.0	87.7	90.2	90.5	91.1	91.3	91.8	92.0	92.2	92.6	93.4											
≥ 700	51.7	63.0	68.4	79.3	83.9	84.5	88.6	91.2	91.6	92.1	92.3	92.8	93.0	93.2	93.6	94.4											
≥ 600	51.7	63.0	68.4	79.3	84.1	84.8	89.1	92.0	92.3	92.9	93.1	93.6	93.8	94.0	94.4	95.2											
≥ 500	51.7	63.0	68.4	79.4	84.3	85.0	89.4	92.3	92.7	93.2	93.5	93.9	94.3	94.5	94.8	95.6											
≥ 400	51.7	63.0	68.4	79.4	84.3	85.0	89.4	92.3	92.7	93.2	93.5	93.9	94.3	94.6	94.9	95.7											
≥ 300	51.7	63.0	68.4	79.5	84.5	85.1	89.5	92.5	92.9	93.6	94.0	94.9	95.5	95.9	96.3	97.4											
≥ 200	51.7	63.0	68.4	79.5	84.5	85.1	89.5	92.5	92.9	93.6	94.0	94.9	95.5	95.9	96.3	98.3											
≥ 100	51.7	63.0	68.4	79.5	84.5	85.1	89.5	92.5	92.9	93.6	94.0	94.9	95.5	96.1	96.4	99.0											
≥ 0	51.7	63.0	68.4	79.5	84.5	85.1	89.5	92.5	92.9	93.6	94.0	94.9	95.5	96.1	96.4	100.0											

TOTAL NUMBER OF OBSERVATIONS 888

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION LAKENHEATH RAF UK

73-87

YEAR

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

		VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)													
		GEA7	GEA2	GE4R	GE47	GE32	GE24	GE27	GE16	GE17	GE10	GE08	GE05	GE04	GE02
19.7	24.5	25.5	27.4	27.7	27.7	27.9	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
24.0	31.1	32.7	35.2	35.7	35.7	35.9	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
25.3	31.4	33.7	35.6	36.0	36.0	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
25.3	31.4	33.7	35.6	36.0	36.0	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
25.5	31.6	33.7	35.8	36.3	36.3	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
25.6	31.8	33.8	35.9	36.4	36.4	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
26.5	32.3	34.6	37.1	37.6	37.7	38.2	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
27.4	33.8	35.5	38.2	39.6	39.7	39.7	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
32.1	39.3	41.4	44.4	45.1	45.2	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
33.2	41.6	43.7	46.2	46.9	47.7	47.6	48.0	48.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0
34.5	42.1	44.4	47.9	49.6	48.7	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
34.4	44.3	46.9	50.5	51.3	51.4	52.1	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5
37.9	47.7	50.4	54.5	55.4	55.6	56.3	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9
43.7	53.2	55.1	61.2	62.2	62.4	63.2	63.7	63.7	63.7	63.7	63.9	63.9	64.0	64.2	64.5
46.8	56.9	60.7	65.4	66.4	66.7	67.5	68.0	68.7	68.0	68.0	68.1	68.1	68.2	68.5	68.8
49.7	60.3	63.7	69.4	70.4	70.7	71.5	72.2	72.2	72.2	72.2	72.3	72.3	72.4	72.6	73.0
52.7	63.2	66.7	73.3	74.6	75.0	75.8	76.4	76.4	76.4	76.4	76.5	76.5	76.7	76.9	77.2
55.3	67.5	71.5	78.9	80.4	80.7	81.9	82.8	82.8	82.8	82.8	82.9	82.9	83.1	83.3	83.6
56.5	68.2	72.4	79.9	81.4	81.7	82.9	84.0	84.0	84.0	84.0	84.1	84.1	84.2	84.4	84.7
57.5	69.7	74.4	82.3	84.1	84.4	85.6	86.8	86.9	87.2	87.2	87.3	87.3	87.4	87.7	88.0
58.7	71.8	76.9	85.7	87.9	88.2	89.5	90.6	90.7	91.0	91.0	91.1	91.1	91.2	91.5	91.8
59.1	71.9	77.0	86.1	88.3	88.7	90.0	91.2	91.4	91.7	91.7	91.8	91.8	91.9	92.1	92.5
59.1	71.9	77.0	86.1	88.7	89.0	90.6	91.8	91.9	92.4	92.4	92.5	92.5	92.6	92.8	93.2
59.1	72.2	77.2	86.5	89.2	89.6	91.2	92.5	92.6	93.0	93.2	93.3	93.3	93.4	93.6	93.9
59.3	72.3	77.3	86.9	89.6	89.9	91.7	92.9	93.0	93.5	93.6	93.7	93.7	93.8	94.1	94.4
59.3	72.4	77.4	87.3	89.7	90.0	91.8	93.5	93.7	94.2	94.3	94.4	94.4	94.5	94.7	95.1
59.3	72.4	77.4	87.0	89.7	90.0	91.8	93.8	94.1	94.6	94.7	94.8	94.8	94.9	95.2	95.5
59.3	72.4	77.4	87.1	89.8	90.1	92.1	94.4	94.6	95.5	95.6	95.7	95.7	95.8	96.2	96.9
59.3	72.4	77.4	87.1	89.9	90.2	92.4	94.7	94.9	96.4	96.5	96.7	96.7	97.0	97.3	98.0
59.3	72.4	77.4	87.1	89.9	90.2	92.4	94.7	94.9	96.4	96.6	96.9	97.1	97.4	97.8	98.8
59.3	72.4	77.4	87.1	89.9	90.2	92.4	94.7	94.9	96.4	96.6	96.9	97.1	97.5	98.0	99.4
59.3	72.4	77.4	87.1	89.9	90.2	92.4	94.7	94.9	96.4	96.6	96.9	97.1	97.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 891

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

39931 LAKENHEATH RAF JK

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10	26	25	24	23	22	22	21	21	21	20	20	20	2510	20	20				
NO CEILING	GT9	EQ9	GE8	GF60	GF48	GF47	GE32	GE24	GE22	GE16	GE12	GE10	GE08	GE05	GE04	GE0				
≥ 20000	18.0	23.9	25.9	28.3	29.7	28.8	29.6	29.7	29.7	29.9	30.1	30.2	30.7	30.2	30.2	30.5				
≥ 18000	22.7	29.1	31.3	34.1	34.6	34.7	35.7	35.8	35.8	35.9	36.1	36.3	36.3	36.3	36.3	36.6				
≥ 16000	22.9	29.5	31.8	34.6	35.0	35.1	36.1	36.3	36.3	36.4	36.6	36.7	36.7	36.7	36.7	37.0				
≥ 14000	23.2	29.9	32.1	34.9	35.4	35.5	36.5	36.6	36.6	36.7	36.9	37.0	37.0	37.0	37.0	37.4				
≥ 12000	23.3	30.2	32.4	35.2	35.7	35.8	36.8	36.9	36.9	37.0	37.3	37.4	37.4	37.4	37.4	37.7				
≥ 10000	24.5	31.6	34.2	37.1	37.6	37.7	38.8	38.9	38.9	39.1	39.3	39.4	39.4	39.4	39.4	39.7				
≥ 9000	25.6	32.8	35.4	38.4	38.8	38.9	40.1	40.2	40.2	40.3	40.5	40.6	40.6	40.6	40.6	41.0				
≥ 8000	37.2	38.3	41.2	44.8	45.2	45.5	46.8	46.7	46.7	46.8	47.0	47.1	47.1	47.1	47.1	47.5				
≥ 7000	31.5	40.3	43.7	47.3	47.7	47.9	49.2	49.4	49.4	49.5	49.7	49.8	49.8	49.8	49.8	50.2				
≥ 6000	32.4	41.2	44.6	48.3	48.7	48.9	50.2	50.4	50.4	50.5	50.7	50.8	50.8	50.8	50.8	51.2				
≥ 5000	34.9	43.8	47.4	51.5	52.1	52.3	53.5	54.0	54.0	54.2	54.4	54.5	54.5	54.5	54.5	54.9				
≥ 4500	38.8	47.8	51.7	56.2	57.1	57.4	58.8	59.3	59.3	59.5	59.7	59.8	59.8	59.8	59.8	60.2				
≥ 4000	43.4	52.9	57.3	62.5	63.5	63.7	65.3	65.9	65.9	66.1	66.3	66.4	66.4	66.4	66.4	66.8				
≥ 3500	46.5	56.3	61.3	66.9	67.9	68.1	69.7	70.3	70.3	70.5	70.7	70.8	70.8	70.8	70.8	71.2				
≥ 3000	49.8	59.7	64.9	70.6	71.6	71.8	73.4	74.0	74.0	74.2	74.4	74.5	74.5	74.5	74.5	74.9				
≥ 2500	51.1	61.6	66.9	73.3	74.6	74.9	76.4	77.0	77.0	77.2	77.4	77.6	77.6	77.6	77.6	77.9				
≥ 2000	53.8	65.4	71.3	78.2	79.8	80.0	81.9	82.5	82.5	82.7	82.9	83.1	83.1	83.1	83.1	83.4				
≥ 1800	53.9	65.7	71.6	78.8	80.4	80.6	82.5	83.1	83.1	83.3	83.5	83.6	83.6	83.6	83.6	84.0				
≥ 1500	54.9	67.1	73.1	81.9	83.7	84.7	85.9	86.6	86.8	87.1	87.3	87.4	87.4	87.4	87.4	87.8				
≥ 1200	56.8	69.6	76.8	85.3	87.4	87.7	89.7	90.6	90.7	91.0	91.2	91.4	91.4	91.4	91.4	91.7				
≥ 1000	57.1	70.0	77.3	86.2	88.9	89.2	91.4	92.3	92.4	92.7	92.9	93.0	93.0	93.0	93.0	93.4				
≥ 900	57.1	70.0	77.3	86.6	89.5	89.8	92.3	93.4	93.5	93.8	94.1	94.2	94.2	94.2	94.2	94.5				
≥ 800	57.1	70.0	77.3	86.6	89.6	89.9	92.4	93.6	93.7	94.1	94.3	94.4	94.4	94.4	94.4	94.7				
≥ 700	57.1	70.0	77.3	86.6	89.8	90.1	92.8	94.2	94.5	94.9	95.2	95.3	95.3	95.3	95.3	95.6				
≥ 600	57.1	70.0	77.3	86.6	89.8	90.1	92.8	94.3	94.7	95.2	95.4	95.5	95.5	95.5	95.5	95.8				
≥ 500	57.1	70.0	77.3	86.6	89.8	90.1	93.3	94.7	95.4	96.0	96.3	96.5	96.5	96.5	96.5	96.9				
≥ 400	57.1	70.0	77.3	86.9	90.0	90.3	93.5	94.9	95.6	96.2	96.5	96.7	96.7	96.7	96.7	97.4				
≥ 300	57.1	70.0	77.3	86.9	91.1	90.5	93.8	95.1	95.7	96.4	96.7	97.0	97.1	97.1	97.1	97.8				
≥ 200	57.1	70.0	77.3	86.9	91.1	90.5	93.8	95.2	96.0	96.6	97.1	97.3	97.5	97.6	97.8	98.7				
≥ 100	57.1	70.0	77.3	86.9	91.1	90.5	93.8	95.2	96.0	96.6	97.1	97.3	97.5	97.8	97.9	99.7				
≥ 0	57.1	70.0	77.3	86.9	90.1	90.5	93.6	95.2	96.0	96.6	97.1	97.3	97.5	97.8	97.9	100.0				

TOTAL NUMBER OF OBSERVATIONS 891

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035831 LAKENHEATH RAF UK

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	≥10 GE97	≥6 GE99	≥5 GE87	≥4 GE60	≥3 GE48	≥2.5 GE40	≥2 GE37	≥1.5 GE24	≥1 GE27	≥1 GE16	≥1 GE12	≥1 GE10	≥1 GE78	≥1 GE75	≥1 GE64	≥1 GE60				
NO CEILING	23.3	29.9	31.6	35.7	36.4	36.9	37.9	37.7	37.7	38.0	38.2	38.4	38.4	38.6	38.6	39.1				
≥ 2000	25.8	32.8	34.4	38.7	40.1	40.2	41.3	41.5	41.5	41.9	42.7	42.2	42.2	42.4	42.4	42.9				
≥ 1800	25.9	33.1	35.2	39.2	40.5	40.6	41.8	42.0	42.0	42.3	42.4	42.6	42.6	42.9	42.9	43.3				
≥ 1600	25.9	33.1	35.2	39.2	41.5	40.6	41.8	42.0	42.0	42.3	42.4	42.6	42.6	42.9	42.9	43.3				
≥ 1400	26.2	33.3	35.5	39.4	40.7	40.9	42.0	42.2	42.2	42.5	42.6	42.9	42.9	43.1	43.1	43.5				
≥ 1200	26.5	33.7	35.8	39.7	41.1	41.2	42.3	42.5	42.5	42.9	43.7	43.2	43.2	43.4	43.4	43.9				
≥ 1000	26.6	34.2	36.4	40.3	41.6	41.8	42.9	43.1	43.1	43.4	43.5	43.8	43.9	44.1	44.1	44.6				
≥ 900	27.1	35.0	37.1	41.1	42.4	42.5	43.7	43.9	43.9	44.2	44.3	44.6	44.7	44.9	44.9	45.3				
≥ 800	32.7	40.5	42.8	46.8	48.3	48.5	49.6	49.8	49.9	50.2	50.3	50.5	50.6	50.8	50.8	51.3				
≥ 700	33.8	42.6	45.5	49.7	51.2	51.4	52.7	53.1	53.1	53.4	53.5	53.8	53.9	54.1	54.1	54.5				
≥ 600	34.3	43.2	46.7	50.6	52.1	52.3	53.6	54.0	54.0	54.3	54.4	54.7	54.8	55.0	55.0	55.4				
≥ 500	36.1	45.1	48.0	53.1	54.8	55.0	56.3	56.7	56.7	57.1	57.2	57.5	57.6	57.8	57.8	58.2				
≥ 450	41.2	50.5	53.8	59.1	61.4	61.6	63.1	63.5	63.5	64.0	64.1	64.3	64.4	64.6	64.6	65.1				
≥ 400	45.8	56.7	60.2	66.0	68.2	68.5	70.0	70.5	70.5	71.0	71.2	71.4	71.5	71.7	71.7	72.4				
≥ 350	57.4	63.9	65.1	70.9	73.2	73.4	75.2	75.6	75.6	76.2	76.3	76.5	76.7	76.9	76.9	77.6				
≥ 300	52.3	63.2	67.6	73.7	76.0	76.2	78.0	78.5	78.5	79.0	79.1	79.3	79.5	79.7	79.7	80.4				
≥ 250	54.3	65.4	70.1	76.8	79.1	79.3	81.1	81.6	81.6	82.2	82.3	82.5	82.6	82.8	82.8	83.5				
≥ 200	56.5	68.4	73.7	80.4	82.7	82.9	85.0	85.5	85.5	86.2	86.3	86.6	86.8	87.0	87.0	87.7				
≥ 180	56.6	68.8	74.3	80.9	83.3	83.5	85.5	86.1	86.1	86.8	86.9	87.2	87.3	87.5	87.5	88.2				
≥ 150	57.5	69.7	75.6	82.8	85.3	85.5	87.5	88.1	88.1	88.8	88.9	89.2	89.3	89.6	89.6	90.2				
≥ 120	58.7	71.4	77.3	84.7	87.3	87.5	89.6	90.1	90.1	90.8	90.9	91.2	91.4	91.6	91.6	92.3				
≥ 100	59.0	71.9	77.9	85.5	88.7	88.9	90.9	91.5	91.5	92.1	92.3	92.6	92.7	92.9	92.9	93.6				
≥ 90	59.0	71.9	77.9	85.7	88.9	89.1	91.1	91.8	91.8	92.6	92.7	93.0	93.2	93.4	93.4	94.1				
≥ 80	59.0	71.9	77.9	86.0	89.1	89.3	91.5	92.3	92.3	93.0	93.3	93.6	93.7	93.9	93.9	94.6				
≥ 70	59.7	71.9	78.2	86.8	90.0	90.2	92.4	93.4	93.4	94.2	94.4	94.7	94.8	95.1	95.1	95.7				
≥ 60	59.1	72.1	78.3	87.3	90.6	90.9	93.0	94.2	94.2	95.2	95.4	95.7	95.8	96.1	96.1	96.7				
≥ 50	59.1	72.1	78.3	87.3	90.6	90.9	93.4	94.4	94.7	95.5	95.7	96.1	96.2	96.4	96.4	97.1				
≥ 40	59.1	72.1	78.3	87.3	90.6	90.9	93.3	94.7	95.1	95.8	96.1	96.4	96.5	96.7	96.7	97.5				
≥ 30	59.1	72.1	78.3	87.3	90.6	90.9	93.3	94.8	95.4	96.4	96.6	97.1	97.2	97.4	97.4	98.3				
≥ 20	59.1	72.1	78.3	87.3	90.7	91.0	93.4	94.9	95.5	96.5	96.9	97.3	97.6	97.9	97.9	99.0				
≥ 10	59.1	72.1	78.3	87.3	90.7	91.0	93.4	94.9	95.5	96.5	96.9	97.3	97.6	98.1	98.3	99.8				
≥ 0	59.1	72.1	78.3	87.3	90.7	91.0	93.4	94.9	95.5	96.5	96.9	97.3	97.6	98.1	98.4	100.0				

TOTAL NUMBER OF OBSERVATIONS 891

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75831 LAKENHEATH RAF UK

73-87

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2177-2320

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																			
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
	GE97	EQ90	GE87	GE60	GE48	GE47	GE32	GE24	GE27	GE16	GE17	GE10	GE08	GE05	GE04	GE03	GE02	GE01	GE00	GE00
NO CEILING	27.3	34.2	36.2	40.1	41.1	41.5	42.9	43.6	43.9	44.4	44.4	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	45.5
≥ 2000	29.3	36.5	38.9	41.8	44.9	45.3	46.7	47.5	48.0	48.4	48.4	48.5	48.8	48.9	48.9	49.1	49.2	49.2	49.2	49.6
≥ 1800	29.6	36.9	39.2	44.2	45.3	45.6	47.1	47.9	48.3	48.8	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.9
≥ 1600	29.6	36.9	39.2	44.2	45.3	45.6	47.1	47.9	48.3	48.8	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.9
≥ 1400	29.8	37.1	39.4	44.4	45.5	45.8	47.3	48.1	48.5	49.0	49.0	49.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4	50.1
≥ 2000	29.8	37.1	39.4	44.4	45.5	45.8	47.3	48.1	48.5	49.0	49.0	49.1	49.3	49.4	49.4	49.4	49.4	49.4	49.4	50.1
≥ 1800	30.3	38.2	40.6	45.6	46.7	47.1	48.5	49.3	49.8	50.2	50.2	50.3	50.6	50.7	50.7	50.7	50.7	50.7	50.7	51.6
≥ 1600	31.7	38.9	41.2	46.3	47.4	47.8	49.2	50.0	50.4	50.9	50.9	50.9	51.0	51.2	51.3	51.3	51.3	51.3	51.3	52.2
≥ 1400	33.9	42.5	44.9	50.0	51.1	51.5	52.3	53.8	54.3	54.7	54.7	54.7	54.8	55.1	55.2	55.2	55.2	55.2	55.2	56.1
≥ 1200	35.3	44.4	46.9	52.0	53.1	53.5	54.9	55.8	56.3	56.7	56.7	56.7	56.9	57.1	57.2	57.2	57.2	57.2	57.2	58.1
≥ 1000	35.4	44.6	47.1	52.2	53.6	53.9	55.4	56.3	56.7	57.2	57.2	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6	58.5
≥ 800	37.9	47.4	49.9	55.4	56.9	57.2	58.7	59.6	60.1	60.6	60.6	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.9
≥ 600	43.0	53.1	56.1	61.8	63.3	63.6	65.1	66.0	66.5	67.0	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	68.3
≥ 4500	47.1	57.5	60.7	67.1	68.7	69.0	70.8	71.7	72.2	72.8	72.8	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	74.2
≥ 4000	47.1	57.5	60.7	67.1	68.7	69.0	70.8	71.7	72.2	72.8	72.8	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	74.2
≥ 3500	50.7	60.7	63.8	70.2	71.8	72.2	74.0	74.9	75.5	76.1	76.1	76.2	76.4	76.5	76.5	76.5	76.5	76.5	76.5	77.4
≥ 3000	53.0	63.9	67.2	73.7	75.7	76.3	78.1	79.0	79.6	80.1	80.1	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	81.5
≥ 2500	54.5	65.8	69.2	76.2	78.2	78.8	81.6	81.5	82.0	82.6	82.6	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.9
≥ 2000	56.3	67.8	71.2	78.4	80.6	81.1	83.1	84.2	84.7	85.3	85.3	85.4	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.9
≥ 1800	56.3	68.7	71.5	78.7	80.8	81.3	83.4	84.5	85.1	85.6	85.6	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	87.2
≥ 1600	56.9	68.7	72.4	79.6	81.8	82.5	84.8	86.1	86.6	87.2	87.2	87.3	87.6	87.9	87.9	87.9	87.9	87.9	87.9	88.8
≥ 1400	59.1	71.0	74.8	82.0	84.3	85.1	87.5	88.8	89.4	90.0	90.0	90.1	90.4	90.7	90.7	90.7	90.7	90.7	90.7	91.6
≥ 1200	59.2	71.1	74.9	82.4	84.6	85.5	88.1	89.3	90.0	91.0	91.0	91.1	91.2	91.6	91.6	91.6	91.6	91.6	91.6	92.7
≥ 900	59.4	71.5	75.4	83.1	85.4	86.3	88.9	90.1	90.8	91.8	91.8	91.9	92.0	92.4	92.4	92.4	92.4	92.4	92.4	93.5
≥ 800	59.4	71.5	75.4	83.1	85.4	86.3	88.9	90.1	90.8	91.8	91.8	91.9	92.0	92.4	92.4	92.4	92.4	92.4	92.4	93.5
≥ 700	59.4	71.9	76.7	83.8	86.4	87.3	89.9	91.2	91.9	92.9	93.0	93.1	93.5	93.7	93.7	93.7	93.7	93.7	93.7	94.6
≥ 600	59.6	72.0	76.1	84.1	86.9	87.8	90.3	91.8	92.7	93.7	93.8	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5	95.4
≥ 500	59.7	72.1	76.2	84.2	87.2	88.1	90.7	92.4	93.3	94.5	94.6	94.7	95.1	95.3	95.3	95.3	95.3	95.3	95.3	96.3
≥ 400	59.7	72.1	76.2	84.2	87.2	88.1	91.0	92.8	93.7	95.3	95.4	95.5	95.8	96.1	96.1	96.1	96.1	96.1	96.1	97.1
≥ 300	59.7	72.1	76.2	84.2	87.3	88.2	91.1	93.0	93.9	95.5	95.6	95.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4	97.5
≥ 200	59.7	72.1	76.2	84.2	87.3	88.2	91.1	93.0	93.9	95.6	95.8	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	98.5
≥ 100	59.7	72.1	76.2	84.2	87.3	88.2	91.1	93.0	93.9	95.6	95.8	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	99.3
≥ 0	59.7	72.1	76.2	84.2	87.3	88.2	91.1	93.0	93.9	95.6	95.8	96.1	96.5	96.9	96.9	96.9	96.9	96.9	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 890

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

035931 LAKENHEATH RAF UK  
STATION STATION NAME

73-82  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	<sup>210</sup> GE97	<sup>200</sup> GE97	<sup>25</sup> GE87	<sup>24</sup> GE60	<sup>23</sup> GF48	<sup>22</sup> GE40	<sup>22</sup> GE37	<sup>21</sup> GF24	<sup>21</sup> GE27	<sup>21</sup> GE16	<sup>21</sup> GE12	<sup>21</sup> GE10	<sup>21</sup> GE08	<sup>2510</sup> GE75	<sup>21</sup> GF04	<sup>20</sup> GE2
2 20000	21.8	27.3	29.1	32.3	33.2	33.4	34.4	35.0	35.2	35.4	35.6	35.7	35.8	35.9	36.2	36.9
2 18000	25.1	31.3	33.4	37.1	38.0	38.2	39.3	40.0	40.1	40.4	40.5	40.7	40.8	40.9	41.2	41.9
2 16000	25.2	31.6	33.6	37.3	38.3	38.5	39.5	40.2	40.4	40.6	40.8	40.9	41.0	41.2	41.4	42.2
2 14000	25.3	31.6	33.7	37.3	38.3	38.5	39.5	40.2	40.4	40.6	40.8	40.9	41.0	41.2	41.4	42.2
2 12000	25.4	31.7	33.8	37.5	38.5	38.7	39.7	40.4	40.6	40.8	41.0	41.1	41.2	41.3	41.6	42.4
2 10000	25.5	31.9	34.0	37.6	38.6	38.8	39.9	40.5	40.7	40.9	41.1	41.2	41.3	41.5	41.7	42.5
2 9000	26.4	33.1	35.3	39.1	40.1	40.3	41.4	42.2	42.4	42.6	42.8	42.9	43.0	43.2	43.4	44.2
2 8000	27.1	34.0	36.2	40.1	41.1	41.4	42.5	43.3	43.5	43.7	43.9	44.0	44.1	44.3	44.5	45.3
2 7000	30.8	38.2	40.7	44.8	46.0	46.3	47.5	48.3	48.5	48.8	48.9	49.1	49.2	49.3	49.6	50.4
2 6000	31.9	39.7	42.4	46.7	47.8	48.1	49.4	50.2	50.5	50.7	50.9	51.0	51.1	51.3	51.5	52.4
2 5000	32.5	40.3	43.1	47.4	48.6	48.9	50.2	51.0	51.3	51.5	51.7	51.8	52.0	52.1	52.4	53.2
2 4500	34.6	42.8	45.7	51.3	51.6	51.9	53.3	54.2	54.4	54.7	54.9	55.1	55.2	55.3	55.6	56.4
2 4000	39.2	47.7	51.2	56.3	57.9	58.1	59.7	60.6	60.9	61.1	61.3	61.5	61.6	61.8	62.0	62.9
2 3500	43.8	53.2	57.0	62.9	64.6	64.9	66.5	67.5	67.8	68.2	68.3	68.5	68.6	68.8	69.1	69.9
2 3000	46.6	56.4	60.5	66.6	68.3	68.6	70.3	71.4	71.7	72.0	72.2	72.4	72.5	72.7	72.9	73.8
2 2500	49.1	59.4	63.6	70.2	72.0	72.4	74.1	75.2	75.5	75.9	76.1	76.2	76.3	76.5	76.8	77.7
2 2000	50.8	61.3	65.6	72.7	74.7	75.1	76.9	78.0	78.3	78.7	78.9	79.1	79.2	79.4	79.7	80.5
2 1800	53.2	64.2	69.0	76.6	78.7	79.1	81.3	82.5	82.9	83.3	83.5	83.7	83.8	84.0	84.3	85.2
2 1600	53.5	64.6	69.4	77.3	79.4	79.8	81.9	83.3	83.6	84.0	84.3	84.4	84.6	84.8	85.0	85.9
2 1400	54.7	66.2	71.4	79.6	81.9	82.4	84.6	86.0	86.4	86.9	87.1	87.3	87.4	87.6	87.9	88.7
2 1200	56.1	68.0	73.5	82.1	84.5	85.0	87.3	88.8	89.1	89.6	89.9	90.0	90.2	90.4	90.6	91.5
2 1000	56.3	68.3	73.9	82.7	85.3	85.8	88.2	89.7	90.0	90.6	90.8	91.0	91.2	91.4	91.6	92.5
2 900	56.4	68.4	74.1	82.9	85.6	86.2	88.7	90.2	90.6	91.2	91.4	91.6	91.8	92.0	92.2	93.1
2 800	56.4	68.5	74.1	83.2	86.0	86.6	89.1	90.7	91.0	91.7	91.9	92.1	92.3	92.5	92.7	93.6
2 700	56.5	68.6	74.3	83.7	86.6	87.2	89.8	91.5	91.9	92.5	92.8	93.0	93.1	93.3	93.6	94.5
2 600	56.6	68.7	74.4	83.9	86.9	87.5	90.2	92.1	92.6	93.3	93.5	93.7	93.9	94.1	94.3	95.2
2 500	56.6	68.7	74.4	84.0	87.1	87.7	90.5	92.5	93.0	93.8	94.1	94.3	94.5	94.7	95.0	95.8
2 400	56.6	68.7	74.4	84.1	87.1	87.8	90.7	92.8	93.4	94.4	94.7	94.9	95.0	95.2	95.5	96.6
2 300	56.6	68.7	74.4	84.1	87.2	87.8	90.9	93.0	93.7	94.8	95.2	95.5	95.7	96.0	96.3	97.4
2 200	56.6	68.7	74.4	84.1	87.2	87.8	90.9	93.0	93.7	94.9	95.4	95.7	96.0	96.4	96.8	98.3
2 100	56.6	68.7	74.4	84.1	87.2	87.8	90.9	93.0	93.7	94.9	95.4	95.7	96.1	96.6	97.1	99.3
2 0	56.6	68.7	74.4	84.1	87.2	87.8	90.9	93.0	93.7	94.9	95.4	95.7	96.1	96.6	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7115

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

73931 LAKENHEATH RAF UK

73-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1000-0200

CEILING FEET	VISIBILITY STATUTE MILES														OR (HUNDREDS OF METERS)				
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3				
NO CEILING	20.9	25.5	28.5	31.1	32.9	32.9	34.2	34.3	34.9	35.3	35.5	35.9	35.9	36.1	36.2	37.2			
≥20000	22.5	27.7	30.9	33.4	35.3	35.3	36.6	36.7	37.2	37.6	37.9	38.3	38.3	38.5	38.6	39.6			
≥18000	22.7	27.8	31.0	33.5	35.4	35.4	36.7	36.8	37.3	37.8	38.0	38.4	38.4	38.6	38.7	39.7			
≥16000	22.7	27.8	31.0	33.5	35.4	35.4	36.7	36.8	37.3	37.8	38.0	38.4	38.4	38.6	38.7	39.7			
≥14000	22.7	27.8	31.0	33.5	35.4	35.4	36.7	36.8	37.3	37.8	38.0	38.4	38.4	38.6	38.7	39.7			
≥12000	22.7	27.8	31.0	33.5	35.4	35.4	36.7	36.8	37.3	37.8	38.0	38.4	38.4	38.6	38.7	39.7			
≥10000	23.5	28.7	31.8	34.4	36.2	36.2	37.5	37.6	38.2	38.6	38.8	39.3	39.3	39.5	39.6	41.7			
≥9000	24.3	29.4	32.4	35.2	37.0	37.0	38.7	38.8	39.4	39.8	40.0	40.5	40.5	40.7	40.8	41.9			
≥8000	26.1	31.7	35.7	37.8	39.6	39.7	41.3	41.5	42.1	42.6	42.8	43.3	43.3	43.5	43.6	44.8			
≥7000	26.3	32.0	35.3	38.1	39.9	40.0	41.9	42.1	42.6	43.1	43.4	43.8	43.8	44.0	44.1	45.3			
≥6000	26.5	32.3	35.6	38.4	40.2	40.3	42.2	42.4	42.9	43.5	43.7	44.1	44.1	44.3	44.4	45.6			
≥5000	28.4	34.5	38.1	40.9	42.8	42.9	44.8	45.0	45.5	46.1	46.3	46.7	46.7	46.9	47.0	48.4			
≥4500	32.6	39.1	42.7	45.8	48.1	48.2	50.4	50.6	51.1	51.7	51.9	52.3	52.3	52.5	52.6	54.0			
≥4000	36.9	44.8	49.2	52.5	55.0	55.1	57.6	57.9	58.5	59.1	59.3	59.9	59.9	60.1	60.2	61.6			
≥3500	39.6	47.9	52.3	56.2	58.8	58.9	61.9	61.8	62.4	63.0	63.2	63.8	63.8	64.1	64.2	65.6			
≥3000	42.2	51.6	56.5	60.4	63.0	63.1	66.3	66.7	67.3	68.0	68.2	68.7	68.7	69.0	69.1	70.6			
≥2500	44.2	53.9	58.9	62.8	65.4	65.5	68.7	69.0	69.8	70.4	70.7	71.2	71.2	71.5	71.6	73.0			
≥2000	47.2	57.7	63.0	67.6	70.3	70.4	73.9	74.4	75.2	76.1	76.3	76.8	76.8	77.1	77.2	78.6			
≥1800	48.7	58.8	64.1	69.4	72.1	72.2	75.6	76.2	76.9	77.8	78.0	78.5	78.5	78.9	79.0	80.4			
≥1500	50.1	61.8	67.4	73.0	75.8	76.2	79.8	80.4	81.1	82.1	82.3	82.8	82.8	83.2	83.3	84.7			
≥1200	51.8	63.8	69.8	75.6	78.9	79.2	83.7	83.8	84.6	85.5	85.8	86.3	86.3	86.6	86.7	88.1			
≥1000	52.1	64.8	71.3	77.1	80.4	80.9	84.8	85.8	86.5	87.5	87.7	88.2	88.2	88.6	88.7	90.1			
≥900	52.1	65.0	71.5	77.3	80.8	81.3	85.2	86.2	86.9	87.9	88.1	88.7	88.7	89.0	89.1	90.5			
≥800	52.2	65.6	72.2	78.1	82.1	82.6	86.5	87.5	88.2	89.2	89.4	90.0	90.1	90.4	90.5	91.9			
≥700	52.2	65.7	72.5	79.2	83.3	83.8	87.7	88.7	89.4	90.4	90.6	91.2	91.3	91.6	91.7	93.1			
≥600	52.2	65.8	72.6	79.4	83.7	84.3	88.1	89.1	89.9	90.8	91.0	91.6	91.7	92.1	92.2	93.6			
≥500	52.3	66.0	73.0	79.8	84.3	84.8	89.7	90.0	90.7	91.8	92.0	92.6	92.7	93.1	93.2	94.6			
≥400	52.3	66.0	73.0	79.8	84.3	85.0	89.2	90.2	90.9	92.2	92.4	93.0	93.1	93.5	93.6	95.0			
≥300	52.3	66.0	73.0	79.8	84.3	85.0	89.3	90.3	91.0	93.0	93.4	94.0	94.2	94.7	94.9	96.4			
≥200	52.3	66.0	73.0	79.8	84.3	85.0	89.3	90.3	91.2	93.4	93.9	94.4	94.6	95.6	96.0	97.6			
≥100	52.3	66.0	73.0	79.8	84.3	85.0	89.3	90.3	91.2	93.4	93.9	94.4	94.7	95.8	96.5	99.9			
≥0	52.3	66.0	73.0	79.8	84.3	85.0	89.3	90.3	91.2	93.4	93.9	94.4	94.7	95.8	96.5	100.0			

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION: **17831 LAKENHEATH RAF UK**

YEAR: **73-87**

MONTH: **DEC**

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17831-7387

CEILING FEET	VISIBILITY STATUTE MILES																
	>10	>9.0	>8.0	>7.0	>6.0	>5.0	>4.0	>3.0	>2.4	>2.0	>1.6	>1.2	>1.0	>0.8	>0.6	>0.4	
> 20000	20.4	27.1	24.3	31.1	32.4	32.7	34.2	35.0	35.7	35.2	35.5	35.5	35.5	35.5	35.8	36.1	36.7
> 18000	21.1	28.0	29.4	32.3	33.5	33.9	35.4	36.1	36.1	36.4	36.7	36.7	36.7	36.7	37.0	37.3	37.9
> 16000	21.1	28.0	29.4	32.3	33.5	33.9	35.4	36.1	36.1	36.4	36.7	36.7	36.7	36.7	37.0	37.3	37.9
> 14000	21.1	28.0	29.4	32.3	33.5	33.9	35.4	36.1	36.1	36.4	36.7	36.7	36.7	36.7	37.0	37.3	37.9
> 12000	21.1	28.0	29.4	32.3	33.5	33.9	35.4	36.1	36.1	36.4	36.7	36.7	36.7	36.7	37.0	37.3	37.9
> 10000	21.4	28.4	29.8	32.7	34.0	34.3	35.8	36.7	36.7	36.9	37.2	37.2	37.3	37.6	38.0	38.5	38.9
> 9000	21.9	28.9	30.3	33.2	34.5	34.8	36.7	37.4	37.4	37.6	38.0	38.0	38.1	38.4	38.7	39.3	39.3
> 8000	23.7	30.9	32.5	35.4	36.7	37.0	38.4	39.6	39.7	40.0	40.3	40.3	40.5	40.9	41.2	41.7	41.7
> 7000	24.6	32.0	33.7	36.6	37.9	38.2	40.7	41.0	41.7	41.4	41.7	41.7	41.9	42.3	42.6	43.1	43.1
> 6000	24.8	32.4	34.0	36.9	38.2	38.5	40.6	41.3	41.4	41.7	42.1	42.1	42.5	42.6	42.9	43.5	43.5
> 5000	26.6	34.2	35.8	38.7	40.0	40.3	42.5	43.5	43.6	43.9	44.2	44.2	44.3	44.8	45.1	45.7	45.7
> 4500	32.4	38.3	39.9	43.8	45.1	45.4	47.6	48.9	49.0	49.3	49.6	49.6	49.8	50.3	50.6	51.2	51.2
> 4000	34.1	43.4	45.0	49.7	51.2	51.8	54.0	55.6	55.7	56.0	56.3	56.3	56.6	57.2	57.5	58.3	58.3
> 3500	38.1	47.7	50.3	54.5	56.2	56.7	59.2	60.7	60.8	61.2	61.5	61.5	61.8	62.4	62.7	63.4	63.4
> 3000	40.3	51.0	54.4	58.6	60.4	60.9	64.1	66.0	66.2	66.6	66.9	66.9	67.2	67.7	68.1	68.8	68.8
> 2500	42.9	54.4	57.9	62.5	64.5	65.0	68.2	70.2	70.6	71.0	71.3	71.3	71.5	72.2	72.5	73.2	73.2
> 2000	46.7	58.7	62.7	68.5	70.8	71.3	74.4	76.5	76.8	77.2	77.6	77.6	77.9	78.4	78.7	79.5	79.5
> 1800	47.6	59.7	63.6	69.6	71.8	72.4	75.5	77.6	77.9	78.3	78.6	78.6	79.0	79.5	79.8	80.6	80.6
> 1500	49.3	62.1	66.5	73.0	75.3	75.8	79.0	81.0	81.4	81.9	82.2	82.2	82.5	83.1	83.4	84.1	84.1
> 1200	50.6	64.4	69.0	75.7	78.1	78.6	81.8	83.8	84.3	84.7	85.0	85.0	85.3	85.9	86.2	86.9	86.9
> 1000	51.1	65.4	70.0	76.8	79.4	79.9	83.4	85.4	86.0	86.5	86.8	86.8	87.2	87.7	88.0	88.8	88.8
> 900	51.1	65.6	70.2	77.0	80.4	80.9	84.4	86.4	86.9	87.5	87.8	87.8	88.1	88.7	89.0	89.8	89.8
> 800	51.3	65.9	70.9	78.0	82.0	82.5	86.0	88.0	88.6	89.1	89.4	89.4	89.8	90.3	90.6	91.4	91.4
> 700	51.3	65.9	71.1	79.1	83.1	83.6	87.2	89.2	89.8	90.4	90.7	90.7	91.7	91.6	91.9	92.7	92.7
> 600	51.5	66.0	71.2	79.7	83.9	84.5	88.0	90.1	90.6	91.3	91.6	91.6	91.9	92.4	92.8	93.5	93.5
> 500	51.5	66.1	71.3	79.9	84.1	84.8	88.8	91.0	91.6	92.3	92.7	92.7	93.0	93.5	93.9	94.6	94.6
> 400	51.5	66.1	71.3	79.9	84.1	84.8	88.8	91.4	91.9	92.8	93.1	93.1	93.4	94.0	94.3	95.0	95.0
> 300	51.5	66.1	71.3	80.0	84.3	84.9	89.3	92.2	92.8	94.3	94.6	94.6	94.9	95.8	96.4	97.4	97.4
> 200	51.5	66.1	71.3	80.0	84.3	84.9	89.3	92.3	92.9	94.7	95.0	95.0	95.5	96.5	97.3	98.3	98.3
> 100	51.5	66.1	71.3	80.2	84.4	85.0	89.4	92.4	93.0	94.8	95.1	95.1	95.6	96.8	97.7	100.0	100.0
> 0	51.5	66.1	71.3	80.2	84.4	85.0	89.4	92.4	93.0	94.8	95.1	95.1	95.6	96.8	97.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: **927**

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

73831 LAKENHEATH AFB UK  
STATION STATION NAME

73-87  
YEAR

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

500-CADE  
FORM

CEILING FEET	VISIBILITY STATUTE MILES																			
	210	20	25	24	23	22	27	24	21	21	21	21	21	21	21	21	21	21	21	21
	GE91	EG97	GE87	GE60	GE48	GE47	GE37	GE24	GE27	GE16	GE12	GE10	GE08	GE05	GE04	GG0				
21000	17.8	22.6	25.1	27.4	29.7	28.7	29.5	32.2	32.5	32.8	32.9	32.9	34.2	34.3	34.3	34.6	34.8	35.6		
218000	27.1	25.4	27.9	30.8	31.3	31.5	32.9	33.7	33.9	34.2	34.3	34.3	34.3	34.6	34.8	35.6				
216000	27.1	25.4	27.9	30.8	31.3	31.5	32.9	33.7	33.9	34.2	34.3	34.3	34.3	34.6	34.8	35.6				
214000	20.1	25.4	27.9	30.8	31.3	31.5	32.9	33.7	33.9	34.2	34.3	34.3	34.3	34.6	34.8	35.6				
212000	20.1	25.4	27.9	30.8	31.3	31.5	32.9	33.7	33.9	34.2	34.3	34.3	34.3	34.6	34.8	35.6				
210000	21.2	26.2	28.7	31.7	32.3	32.5	33.9	34.7	34.9	35.2	35.3	35.3	35.3	35.5	35.7	36.6				
218000	21.2	26.7	29.7	32.2	32.7	32.9	34.3	35.1	35.3	35.6	35.9	35.9	35.9	36.1	36.3	37.1				
216000	24.3	29.4	31.9	34.9	35.4	35.6	37.0	38.1	38.4	38.8	39.0	39.0	39.7	39.2	39.4	41.3				
214000	24.2	32.8	33.4	36.5	37.7	37.3	38.8	40.0	40.3	40.6	40.8	40.8	40.8	41.0	41.3	42.1				
212000	24.6	31.3	33.9	37.1	37.7	37.9	39.4	40.6	40.9	41.3	41.5	41.5	41.5	41.7	41.9	42.8				
210000	25.2	32.6	35.2	38.7	39.2	39.4	40.9	42.3	42.7	43.0	43.3	43.3	43.3	43.5	43.7	44.6				
218000	29.7	37.1	47.1	44.1	44.6	44.8	46.3	47.7	48.2	48.5	48.8	48.8	48.8	49.1	49.2	51.1				
216000	33.7	41.9	45.9	49.9	57.5	50.8	52.4	54.1	54.5	54.9	55.3	55.3	55.3	55.5	55.7	56.8				
214000	36.8	47.0	57.5	55.2	55.8	56.7	57.9	60.0	60.5	61.0	61.6	61.6	61.6	61.8	62.0	63.1				
212000	39.6	50.3	54.5	59.3	67.4	60.6	62.9	65.3	65.9	66.5	67.1	67.1	67.1	67.3	67.5	68.6				
210000	41.5	52.5	56.7	61.7	63.0	63.2	65.4	68.7	69.6	69.2	69.8	69.8	69.8	70.0	71.2	71.7				
218000	45.7	57.9	62.6	68.5	69.8	70.0	72.4	75.1	75.6	76.2	76.8	76.8	76.8	77.0	77.2	78.3				
216000	45.2	58.2	63.1	69.2	77.5	70.7	73.1	75.8	76.3	77.0	77.5	77.5	77.5	77.8	78.0	79.0				
214000	46.7	60.4	65.8	72.8	74.3	74.5	77.7	79.7	80.7	80.9	81.4	81.4	81.4	81.6	81.9	82.9				
212000	48.6	62.6	68.1	75.7	77.4	77.6	81.3	83.2	83.7	84.3	84.9	84.9	84.9	85.1	85.3	86.4				
210000	49.1	63.3	69.0	76.8	78.6	78.8	81.5	84.3	84.9	85.6	86.2	86.2	86.2	86.4	86.6	87.7				
218000	49.2	63.5	69.2	77.1	79.3	79.5	82.2	85.0	85.5	86.3	86.8	86.8	86.8	87.0	87.3	88.3				
216000	49.6	64.0	70.2	78.4	80.8	81.0	83.8	86.7	87.3	88.0	88.6	88.6	88.6	88.8	89.0	90.1				
214000	49.7	64.4	70.5	78.8	81.4	81.6	84.4	87.4	88.0	88.9	89.4	89.5	89.5	89.7	90.0	91.0				
212000	49.7	64.4	70.6	79.0	82.2	82.6	85.6	88.6	89.3	90.2	90.7	90.8	90.8	91.0	91.3	92.3				
210000	49.7	64.4	71.1	79.7	82.8	83.5	87.0	91.4	92.2	93.3	93.8	94.1	94.2	94.7	95.7	97.0				
218000	49.7	64.4	71.1	79.7	82.8	83.5	87.0	91.4	92.2	93.5	94.3	94.6	94.9	95.6	96.9	98.5				
216000	49.7	64.4	71.0	79.7	82.8	83.5	87.0	91.4	92.2	93.5	94.3	94.6	94.9	95.8	97.3	100.0				
214000	49.7	64.4	71.0	79.7	82.8	83.5	87.0	91.4	92.2	93.5	94.3	94.6	94.9	95.8	97.3	100.0				
212000	49.7	64.4	71.0	79.7	82.8	83.5	87.0	91.4	92.2	93.5	94.3	94.6	94.9	95.8	97.3	100.0				
210000	49.7	64.4	71.0	79.7	82.8	83.5	87.0	91.4	92.2	93.5	94.3	94.6	94.9	95.8	97.3	100.0				

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7833 LAKENHEATH PAF UK

73-87

DCC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

970-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	CE (HUNDREDS OF METERS)															
	GE0	GE2	GE4	GE6	GE8	GE10	GE12	GE14	GE16	GE18	GE20	GE22	GE24	GE26	GE28	GE30
10000	14.7	19.2	20.2	22.2	23.7	23.2	24.7	25.8	26.7	26.2	26.2	26.3	26.3	26.3	26.5	27.1
9000	14.7	23.2	24.5	26.9	27.6	27.9	28.8	30.5	31.7	31.9	31.9	31.9	31.9	31.1	31.1	31.7
8000	18.3	23.4	24.7	27.1	27.9	28.1	29.7	30.7	30.9	31.1	31.1	31.2	31.3	31.3	31.5	32.2
7000	18.3	23.4	24.7	27.1	27.9	28.1	29.7	30.7	30.9	31.1	31.1	31.2	31.3	31.3	31.5	32.2
6000	18.3	23.5	24.8	27.2	28.7	28.2	29.2	30.8	31.7	31.2	31.2	31.3	31.4	31.4	31.6	32.3
5000	19.1	24.7	26.7	28.8	29.6	29.9	31.1	32.8	33.7	33.3	33.3	33.4	33.5	33.5	33.7	34.3
4000	19.8	25.4	26.8	29.8	31.7	31.7	32.2	33.9	34.1	34.3	34.7	34.4	34.6	34.6	34.8	35.4
3000	21.4	28.7	29.4	32.5	33.4	33.7	34.9	36.7	36.9	37.5	37.5	37.6	37.7	37.7	37.9	38.6
2000	22.1	29.5	31.2	34.6	35.4	35.7	37.7	39.7	39.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7
1000	22.2	29.7	31.4	34.9	35.9	36.2	37.8	39.4	39.6	41.4	41.4	41.5	41.6	41.6	41.8	41.8
500	23.5	31.5	33.6	37.1	38.1	38.4	39.7	41.8	42.7	42.9	43.7	43.1	43.3	43.3	43.5	44.2
400	27.2	37.1	39.5	44.4	45.5	45.8	47.1	49.1	49.5	50.3	50.4	51.5	51.9	51.1	51.4	52.2
300	31.2	41.3	44.2	49.8	51.0	51.4	52.9	55.2	55.7	56.9	57.0	57.1	57.3	57.7	58.7	58.7
200	34.2	46.7	49.5	55.3	57.0	57.5	59.1	61.8	62.5	63.7	63.9	64.0	64.3	64.6	64.9	65.8
100	37.3	49.6	53.1	59.2	61.1	61.6	63.3	66.4	67.9	69.3	69.4	69.7	69.9	70.2	70.5	71.5
50	39.3	52.5	56.4	63.4	65.4	65.9	67.7	71.1	72.7	74.2	74.3	74.5	74.7	75.1	75.4	76.2
20	41.6	56.0	60.0	68.1	71.7	71.2	73.0	76.3	78.0	79.5	79.6	79.8	80.7	80.3	80.7	81.6
10	41.8	56.3	60.4	68.6	71.4	71.8	73.7	77.0	78.6	80.1	80.2	80.5	80.7	81.0	81.3	82.3
5	43.4	58.7	62.6	71.3	74.2	74.6	76.6	79.9	81.5	83.2	83.3	83.5	83.7	84.0	84.3	85.3
2	44.8	59.4	64.3	73.7	76.9	77.3	79.5	82.8	84.4	86.1	86.2	86.4	86.6	86.9	87.3	88.2
1	45.4	60.0	64.9	74.3	77.6	78.1	80.2	83.6	85.3	86.9	87.0	87.3	87.5	87.8	88.1	89.1
0.5	45.4	60.2	65.0	74.6	78.0	78.4	80.8	84.2	86.2	87.8	87.9	88.1	88.3	88.7	89.0	90.0
0.2	46.1	61.0	66.7	76.0	79.8	80.2	82.8	86.4	88.3	90.0	90.1	90.3	90.5	90.8	91.1	92.1
0.1	46.1	61.3	66.7	76.0	79.8	80.2	82.8	86.4	88.3	90.0	90.1	90.3	90.5	90.8	91.1	92.1
0.05	46.1	61.0	66.7	76.1	80.1	80.6	83.7	87.8	89.7	91.6	91.7	91.9	92.1	92.4	92.8	93.7
0.02	46.1	61.1	66.1	76.2	80.3	80.8	84.0	88.6	90.7	92.5	92.7	92.9	93.1	93.4	93.8	94.8
0.01	46.1	61.1	66.1	76.2	80.3	80.8	84.1	88.8	91.0	92.9	93.0	93.3	93.5	94.2	94.6	95.6
0.005	46.1	61.1	66.1	76.2	80.6	81.0	84.4	89.4	91.7	93.5	93.8	94.3	94.6	95.9	96.7	97.7
0.002	46.1	61.1	66.1	76.2	80.6	81.0	84.4	89.4	91.7	93.7	94.2	94.8	95.1	96.7	97.5	99.0
0.001	46.1	61.1	66.1	76.2	80.6	81.0	84.4	89.4	91.7	93.7	94.3	94.9	95.4	97.0	97.8	100.0
0.0005	46.1	61.1	66.1	76.2	80.6	81.0	84.4	89.4	91.7	93.7	94.3	94.9	95.4	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

15931 LAKENHEATH RAF UK STATION NAME

73-87

216

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-1400

FEET	VISIBILITY STATISTICS (IN HUNDREDS OF METERS)															
	20	20	20	24	23	22	22	22	22	22	22	22	22	22	22	22
	GT9	5C9	GE8	GE6	GE4	GE4	SE3	SE2	SE1	SE1	SE1	SE1	SE1	SE1	SE1	SE1
20000	16.2	21.5	22.3	24.4	25.7	25.1	26.7	26.4	26.5	27.7	27.7	27.1	27.2	27.7	27.2	27.4
18000	27.4	27.7	28.6	31.0	31.6	31.7	32.6	33.2	33.3	34.2	34.2	34.2	34.5	34.5	34.5	34.7
16000	27.4	27.9	28.8	31.2	31.8	31.9	32.9	33.4	33.5	34.2	34.2	34.4	34.7	34.7	34.7	35.0
14000	27.7	28.7	28.9	31.3	31.9	32.0	32.3	33.5	33.7	34.3	34.3	34.5	34.8	34.8	34.8	35.1
12000	27.7	28.0	28.9	31.3	31.9	32.7	32.9	33.5	33.7	34.3	34.3	34.5	34.8	34.8	34.8	35.1
10000	20.7	29.0	28.9	31.3	31.9	32.7	32.9	33.5	33.7	34.3	34.3	34.5	34.8	34.8	34.8	35.1
8000	21.9	29.0	30.1	32.6	33.2	33.3	34.2	34.8	35.7	35.6	35.6	35.8	36.1	36.1	36.1	36.4
6000	22.2	29.9	31.7	33.8	34.4	34.5	35.4	36.1	36.2	36.9	36.9	37.1	37.4	37.4	37.4	37.6
4000	24.6	32.7	34.7	37.0	37.6	37.8	38.7	39.5	39.6	40.2	40.2	40.5	40.9	40.8	40.8	41.1
2000	24.9	33.1	34.6	38.2	38.9	39.1	40.7	40.8	40.9	41.5	41.5	41.7	42.1	42.1	42.1	42.3
1000	29.4	33.8	35.6	39.2	40.0	40.1	41.1	42.2	42.3	42.9	42.9	43.1	43.6	43.6	43.5	43.8
500	26.4	35.7	37.5	41.4	42.3	42.5	43.5	44.6	44.7	45.3	45.3	45.5	46.0	46.0	46.0	46.2
450	29.3	39.2	41.1	45.7	46.9	47.1	48.3	49.5	49.6	50.6	50.6	51.1	51.5	51.7	51.8	52.0
400	33.4	44.3	46.6	51.9	53.3	53.6	54.9	56.0	56.1	57.5	57.7	58.0	58.5	58.6	58.8	59.1
350	36.5	48.1	50.6	56.4	58.0	58.4	59.8	61.7	61.9	63.4	63.6	64.0	64.4	64.5	64.7	64.9
300	40.2	52.6	55.2	61.7	63.5	63.9	65.6	67.7	68.7	69.5	69.8	70.2	70.7	70.8	71.0	71.2
250	42.3	55.1	58.1	64.7	66.7	67.1	68.9	71.2	71.4	73.1	73.6	74.0	74.4	74.5	74.8	75.0
200	43.9	57.2	60.8	68.8	71.1	71.5	73.6	76.5	76.7	78.4	79.1	79.5	79.9	80.2	80.3	80.5
180	45.7	58.4	62.7	70.0	72.4	72.8	74.9	77.8	78.0	79.7	80.4	80.8	81.2	81.3	81.6	81.8
160	47.8	61.5	65.5	74.0	76.4	76.8	78.9	82.7	82.2	83.9	84.6	85.0	85.4	85.5	85.8	86.0
140	49.0	62.7	67.1	76.1	78.5	79.7	81.4	84.6	84.8	86.5	87.2	87.7	88.1	88.2	88.5	88.7
120	49.6	63.5	68.0	77.7	80.3	80.8	83.4	86.5	86.7	88.6	89.2	89.8	90.2	90.3	90.5	90.7
100	49.7	63.6	68.2	77.9	80.7	81.2	84.0	87.2	87.4	89.3	90.0	90.5	90.9	91.0	91.3	91.5
80	50.3	64.2	68.7	79.0	81.9	82.5	85.3	88.6	88.8	90.7	91.4	91.9	92.3	92.4	92.7	92.9
70	50.3	64.2	68.7	79.6	82.7	83.4	86.4	90.1	90.3	92.6	93.2	93.7	94.3	94.5	94.8	95.0
60	50.3	64.3	68.8	79.8	83.1	83.7	86.9	90.7	91.0	93.5	94.3	94.9	95.5	95.8	96.0	96.2
400	50.3	64.3	68.8	79.8	83.4	84.0	87.3	91.3	91.8	94.5	95.4	96.2	96.8	97.3	97.5	97.7
300	50.3	64.3	68.8	79.8	83.4	84.0	87.3	91.3	91.8	94.5	95.7	96.9	97.6	98.5	98.7	98.9
200	50.3	64.3	68.8	79.8	83.4	84.0	87.3	91.3	91.8	94.5	95.8	97.0	97.8	98.8	99.1	99.8
100	50.3	64.3	68.8	79.8	83.4	84.0	87.3	91.3	91.8	94.5	95.8	97.0	97.8	98.8	99.2	100.0
50	50.3	64.3	68.8	79.8	83.4	84.0	87.3	91.3	91.8	94.5	95.8	97.0	97.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION ID: LAKENHEATH RAF UK

73-80

## PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY STATISTICS OR (HUNDREDS OF METERS)															
	GE01	GE02	GE03	GE04	GE05	GE06	GE07	GE08	GE09	GE10	GE12	GE14	GE16	GE18	GE20	GE24
1000	14.0	19.8	21.9	24.9	25.9	25.9	26.4	26.6	26.9	27.2	27.9	28.7	29.7	29.7	29.7	29.3
900	17.7	24.7	27.3	30.8	31.0	32.0	32.5	32.9	33.7	33.6	34.4	34.5	34.5	34.8	34.7	34.9
800	17.9	24.9	27.5	31.1	32.7	32.3	32.9	33.2	33.6	33.9	34.7	34.8	34.8	34.9	35.7	35.2
700	17.2	24.9	27.5	31.1	32.7	32.3	32.9	33.2	33.6	33.9	34.7	34.8	34.8	34.9	35.7	35.2
600	14.7	25.7	27.4	31.3	32.3	32.4	33.7	33.3	33.6	34.1	34.8	34.9	34.9	35.7	35.7	35.3
500	13.2	25.2	27.8	31.5	32.5	32.7	33.7	33.5	33.8	34.3	35.7	35.1	35.1	35.7	35.7	35.6
400	18.4	25.4	28.6	32.3	33.4	33.5	34.1	34.4	34.7	35.1	35.0	35.7	36.7	36.1	36.7	36.4
300	19.3	26.7	29.4	33.5	34.6	34.7	35.2	35.6	35.9	36.7	37.1	37.2	37.2	37.2	37.4	37.8
200	21.1	28.2	31.8	36.0	37.1	37.7	37.8	38.1	38.8	39.8	39.8	39.8	39.8	39.8	40.7	40.7
100	22.7	29.2	32.8	37.4	38.5	38.7	39.7	39.5	39.9	40.3	41.1	41.2	41.2	41.7	41.4	41.6
0	22.7	29.2	32.8	37.5	38.6	38.8	39.3	39.8	40.1	40.6	41.4	41.5	41.5	41.5	41.7	41.9
UNKN	22.6	30.3	33.6	38.9	41.1	40.3	40.9	41.3	41.6	42.1	42.9	43.7	43.7	43.1	43.7	43.5
UNKN	27.3	35.5	39.1	45.3	46.9	47.1	47.8	48.3	48.7	49.4	50.1	50.3	50.3	50.4	50.8	50.9
UNKN	37.6	45.1	43.9	52.6	52.4	52.6	53.4	53.9	54.7	55.2	55.9	56.1	56.1	56.4	56.5	56.8
UNKN	34.2	44.2	48.5	55.4	57.2	57.4	58.4	58.9	59.4	60.3	61.1	61.3	61.3	61.5	61.6	62.0
UNKN	37.4	48.8	53.3	61.3	63.3	63.6	64.8	65.4	65.8	66.8	67.5	67.8	67.8	68.7	68.1	68.4
UNKN	39.2	51.2	56.1	64.2	66.3	66.7	68.3	69.7	69.4	70.4	71.1	71.3	71.3	71.7	71.8	72.1
UNKN	43.8	56.3	61.3	71.0	73.5	73.9	76.1	76.8	77.4	78.6	79.7	79.5	79.5	79.8	80.7	81.2
UNKN	43.2	56.5	61.6	71.3	73.8	74.2	76.4	77.2	77.7	78.9	79.6	79.8	79.8	80.7	81.3	81.6
UNKN	45.5	58.4	64.7	74.5	77.0	77.5	79.7	80.5	81.1	82.3	83.1	83.3	83.3	83.6	83.7	84.1
UNKN	47.1	61.7	67.2	78.3	80.7	81.3	83.7	84.7	85.3	86.6	87.4	87.6	87.7	88.0	88.1	88.5
UNKN	47.4	61.4	67.9	78.9	81.6	82.1	84.9	85.9	86.5	87.8	88.6	88.8	88.9	89.2	89.3	89.7
UNKN	47.4	61.4	67.9	79.4	82.4	83.0	86.2	87.3	87.9	89.2	90.7	91.5	91.7	91.8	92.1	92.7
UNKN	47.7	61.7	68.0	80.0	83.2	83.7	87.0	88.5	89.2	90.7	91.5	91.7	91.8	92.1	92.7	92.6
UNKN	47.7	62.7	68.5	80.5	83.8	84.4	87.7	89.3	90.5	92.1	92.7	93.1	93.3	93.6	93.8	94.1
UNKN	47.8	62.1	68.8	80.8	84.2	84.7	88.7	90.7	91.9	93.5	94.3	94.5	94.7	95.0	95.2	95.5
UNKN	47.8	62.1	68.8	80.9	84.3	84.8	88.3	91.4	93.6	94.7	95.7	96.0	96.2	96.7	96.9	97.1
UNKN	47.8	62.1	68.8	80.9	84.3	84.9	88.3	91.7	93.4	95.4	96.7	97.0	97.4	97.8	98.1	98.4
UNKN	47.8	62.1	68.8	80.9	84.3	84.8	88.4	91.9	93.6	95.6	96.9	97.4	97.8	98.4	98.6	98.9
UNKN	47.8	62.1	68.8	80.9	84.3	84.8	88.4	91.9	93.6	95.6	96.9	97.4	97.8	98.5	98.8	99.6
UNKN	47.8	62.1	68.8	80.9	84.3	84.8	88.4	91.9	93.6	95.6	96.9	97.4	97.8	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 978

FEDERAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

175071 LAKENHEATH RAF UK  
STATION NAME

73-87

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

18 0-0000

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)			
	2 1/2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	25	30
1000	18.3	23.7	26.5	29.2	31.7	30.7	31.7	31.5	31.5	32.7	32.7	32.3	32.4	32.9	33.0	33.7				
900	21.4	27.3	30.3	33.3	34.8	34.8	35.1	35.6	35.6	36.1	36.3	36.4	36.5	37.1	37.3	38.2				
800	21.4	27.7	30.7	33.7	35.2	35.2	35.6	36.0	36.7	36.5	36.7	36.9	37.0	37.5	37.7	38.5				
700	21.4	27.7	30.7	33.7	35.2	35.2	35.6	36.7	36.7	36.5	36.7	36.9	37.0	37.5	37.7	38.5				
600	22.3	28.8	31.8	34.9	36.4	36.4	36.7	37.2	37.2	37.7	37.9	38.0	38.1	38.7	38.9	39.7				
500	27.6	29.2	32.3	35.8	37.3	37.3	37.6	38.1	38.1	38.7	38.9	39.0	39.1	39.7	39.9	41.6				
400	24.7	31.1	34.9	38.6	41.1	40.1	40.9	41.1	41.1	41.6	41.8	41.9	42.7	42.6	42.8	43.5	43.8	44.5		
300	24.7	31.9	35.8	39.5	41.1	41.1	41.9	42.7	42.7	42.6	42.8	42.9	43.0	43.5	43.8	44.5				
200	24.8	31.9	35.8	39.7	41.2	41.2	41.8	42.1	42.1	42.7	42.9	43.0	43.1	43.6	43.8	44.6				
100	26.2	33.6	37.7	41.6	43.3	43.3	43.8	44.3	44.3	44.9	45.2	45.3	45.4	45.9	46.1	46.9				
000	29.8	37.9	42.5	47.6	49.8	49.8	50.4	51.1	51.1	51.8	52.0	52.2	52.3	52.8	53.0	53.8				
000	34.9	43.4	48.5	54.3	56.7	56.7	57.5	58.2	58.2	58.9	59.2	59.3	59.4	59.9	60.1	60.9				
000	37.8	47.1	52.5	58.8	61.2	61.2	62.1	62.9	62.9	63.7	63.9	64.0	64.1	64.7	64.9	65.6				
000	42.2	52.8	58.6	66.1	68.8	68.8	69.0	69.9	71.0	71.0	71.8	72.0	72.1	72.2	72.7	73.7				
000	47.4	59.4	65.6	73.7	76.4	76.6	78.0	79.2	79.2	80.0	80.2	80.3	80.4	80.9	81.1	81.9				
000	47.7	59.7	65.9	74.1	76.7	77.0	78.4	79.6	79.6	80.4	80.6	80.7	80.8	81.4	81.6	82.3				
000	49.9	62.4	68.6	77.2	80.4	80.8	82.3	83.5	83.5	84.3	84.5	84.6	84.7	85.2	85.5	86.2				
000	51.7	64.8	71.7	80.6	84.1	84.5	86.3	87.8	87.8	88.6	88.8	88.9	89.0	89.5	89.8	90.5				
000	51.9	65.0	72.2	81.4	84.9	85.3	87.3	88.8	88.8	89.7	89.9	90.0	90.1	90.6	90.8	91.6				
000	52.2	65.4	72.8	82.3	85.9	86.3	88.6	90.1	90.1	90.9	91.2	91.3	91.4	91.9	92.1	92.9				
000	52.3	65.5	73.1	82.8	86.4	86.9	89.4	91.1	91.1	91.9	92.1	92.2	92.3	92.9	93.1	93.9				
000	52.4	65.6	73.3	83.4	87.1	87.5	90.5	92.1	92.2	93.1	93.3	93.4	93.5	94.1	94.3	95.0				
000	52.4	65.6	73.3	83.4	87.2	87.6	90.6	92.2	92.3	93.2	93.4	93.5	93.6	94.2	94.4	95.2				
000	52.4	65.6	73.3	83.4	87.3	87.7	91.1	93.1	93.2	93.3	94.4	94.6	94.7	94.8	95.5	95.8				
000	52.4	65.6	73.3	83.4	87.3	87.7	91.1	93.2	93.3	94.4	94.6	94.7	94.8	95.5	95.8	96.8				
000	52.4	65.6	73.3	83.4	87.3	87.7	91.1	93.6	93.8	95.2	95.4	95.5	95.6	96.2	96.9	98.7				
000	52.4	65.6	73.3	83.4	87.3	87.7	91.1	93.6	93.8	95.2	95.4	95.6	95.7	96.3	97.3	100.0				
000	52.4	65.6	73.3	83.4	87.3	87.7	91.1	93.6	93.8	95.2	95.4	95.6	95.7	96.3	97.3	100.0				

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

76931 LAKENHEATH PAF BK

73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

117-2300

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																				
	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4	
1000	19.4	23.9	26.4	28.3	30.0	32.0	33.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
800	21.7	26.1	28.5	31.1	32.8	32.8	33.5	34.5	34.6	34.6	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
600	21.1	26.2	28.7	31.2	32.9	32.9	33.7	34.6	34.7	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
400	21.1	26.2	29.7	31.2	32.9	32.9	33.7	34.6	34.7	35.1	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
200	23.1	28.6	30.3	32.8	34.5	34.5	35.3	36.2	37.2	37.3	37.6	37.6	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
100	25.7	31.1	34.7	36.7	38.5	38.5	39.7	41.0	41.1	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
500	27.1	33.5	36.6	39.8	41.6	41.6	42.8	44.1	44.2	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
4500	37.6	38.7	42.0	46.0	48.1	48.3	49.9	51.2	51.3	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
4000	35.1	43.6	47.6	52.3	54.5	54.7	56.6	58.1	58.3	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
3500	39.2	48.2	52.2	57.0	59.1	59.3	61.3	62.8	62.9	63.3	63.7	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
3000	42.6	52.2	57.1	61.8	64.7	64.2	66.2	67.9	68.7	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
2500	44.1	53.8	59.7	64.2	66.5	66.7	68.8	70.4	70.6	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2000	48.1	58.6	64.4	70.0	72.3	72.6	74.9	76.6	76.7	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
1800	43.9	61.0	65.9	71.8	74.1	74.4	76.7	78.4	78.5	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
1500	51.8	63.2	69.5	75.9	79.0	79.3	81.7	83.4	83.5	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1200	53.6	65.5	72.1	78.5	81.6	81.9	84.3	86.4	86.5	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1000	54.2	66.0	72.6	79.3	82.3	82.6	85.7	87.5	87.6	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
900	54.2	66.1	72.8	79.5	82.5	82.8	85.2	87.7	87.8	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
800	54.2	66.5	73.2	80.5	83.6	83.9	86.3	88.8	89.0	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
700	54.3	66.6	73.8	81.4	84.8	85.1	87.9	90.3	90.5	90.9	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
600	54.3	66.7	74.7	81.9	85.2	85.5	88.2	90.7	90.9	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
500	54.3	66.7	74.7	82.0	85.3	85.8	89.1	91.7	91.9	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
400	54.3	66.7	74.0	82.0	85.3	85.9	89.1	91.7	91.9	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
300	54.3	66.7	74.7	82.0	85.3	85.8	89.2	91.9	92.2	93.2	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
200	54.3	66.7	74.7	82.0	85.3	85.8	89.2	92.0	92.7	93.6	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
100	54.3	66.7	74.0	82.0	85.3	85.8	89.2	92.0	92.7	93.6	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
0	54.3	66.7	74.0	82.0	85.3	85.8	89.2	92.0	92.7	93.6	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

75931 LAKENHEATH RAF UK

73-67

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																									
	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	540	560	580	600	620	640	660	680	700
17000	17.7	22.9	24.9	27.3	28.5	28.6	29.5	30.2	30.3	30.7	30.9	31.0	31.1	31.2	31.4	32.1										
15000	22.2	26.3	29.4	31.2	32.3	32.5	33.4	34.1	34.3	34.7	34.9	35.1	35.1	35.3	35.5	36.1										
13000	20.4	26.4	28.6	31.3	32.5	32.6	33.5	34.3	34.5	34.9	35.1	35.2	35.3	35.5	36.1											
11000	20.4	26.4	28.6	31.4	32.5	32.7	33.5	34.3	34.5	34.9	35.1	35.2	35.3	35.5	36.1											
9000	20.4	26.4	28.6	31.4	32.6	32.7	33.6	34.3	34.5	34.9	35.1	35.2	35.3	35.5	36.1											
7000	20.4	26.4	28.6	31.4	32.6	32.7	33.7	34.4	34.6	35.0	35.2	35.3	35.4	35.6	36.4											
5000	21.2	27.4	29.6	32.5	33.7	33.8	34.9	35.6	35.7	36.1	36.3	36.5	36.6	36.8	37.7											
3000	21.3	28.0	30.3	33.4	34.6	34.7	35.9	36.5	36.7	37.1	37.3	37.5	37.6	37.8	39.0											
1000	23.7	30.4	32.9	36.1	37.3	37.5	38.6	39.5	39.7	40.1	40.2	40.5	40.6	40.9	41.6											
500	24.3	31.3	33.9	37.3	38.5	38.7	39.9	40.8	41.0	41.5	41.7	41.8	41.9	42.1	42.9											
200	24.5	31.6	34.2	37.7	38.9	39.1	40.3	41.2	41.5	41.9	42.2	42.3	42.4	42.6	43.4											
100	25.8	33.3	36.1	39.7	40.9	41.1	42.4	43.4	43.6	44.1	44.3	44.5	44.6	44.8	45.7											
50	29.5	37.9	40.9	45.3	46.0	47.1	48.5	49.6	49.8	50.4	50.7	50.9	51.0	51.3	51.5	52.2										
25	33.5	42.8	46.4	51.4	53.1	53.3	54.9	56.1	56.4	57.1	57.4	57.6	57.8	58.1	59.3											
15	37.7	47.0	50.8	56.1	57.9	58.1	59.9	61.3	61.7	62.5	62.8	63.0	63.1	63.4	63.6	64.4										
10	42.0	50.9	55.1	60.7	62.7	62.7	64.7	66.7	67.1	68.0	68.3	68.5	68.6	68.9	69.2	70.0										
7	42.1	53.3	57.7	63.7	65.7	65.7	68.1	70.0	70.5	71.4	71.7	71.9	72.1	72.4	72.7	73.4										
5	45.5	57.7	62.6	69.5	71.4	71.4	72.2	74.5	76.4	76.9	77.9	78.2	78.5	78.6	79.2	79.9										
3	46.1	58.4	63.3	70.5	72.9	72.9	73.2	75.5	77.4	78.7	78.9	79.2	79.5	79.6	79.9	80.7										
2	48.1	61.0	66.2	74.0	76.6	76.6	76.9	79.4	81.3	81.8	82.8	83.2	83.4	83.5	83.8	84.1	84.9									
1	49.8	63.7	68.6	76.7	79.5	79.5	79.9	82.5	84.6	85.7	86.2	86.5	86.7	86.9	87.2	87.5	88.3									
0.5	50.1	63.7	69.5	77.8	80.6	81.1	83.8	86.7	88.5	87.6	87.9	88.2	88.3	88.6	88.9	89.7										
0.2	50.2	63.9	69.7	78.2	81.2	81.7	84.6	86.7	87.4	88.4	88.8	89.0	89.1	89.5	89.7	90.5										
0.1	50.5	64.3	70.3	79.1	82.5	82.9	85.9	88.8	88.8	89.9	90.2	90.5	90.6	91.1	91.2	92.0										
0.05	50.5	64.4	70.6	79.7	83.2	83.7	86.8	89.1	89.8	91.0	91.4	91.6	91.8	92.2	92.4	93.2										
0.02	50.5	64.5	70.6	80.0	83.7	84.1	87.4	89.9	90.6	91.8	92.2	92.4	92.6	93.0	93.3	94.0										
0.01	50.5	64.5	70.7	80.2	83.9	84.4	87.9	90.7	91.5	92.8	93.2	93.5	93.7	94.1	94.3	95.1										
0.005	50.5	64.5	70.8	80.2	83.9	84.5	88.7	91.0	91.9	93.4	93.8	94.1	94.4	94.8	95.1	95.9										
0.002	50.5	64.5	70.8	80.2	84.0	84.6	88.3	91.5	92.3	94.0	94.5	94.9	95.2	95.9	96.4	97.3										
0.001	50.5	64.5	70.8	80.2	84.0	84.6	88.3	91.5	92.5	94.3	94.7	95.3	95.7	96.6	97.3	98.6										
0.0005	50.5	64.5	70.8	80.3	84.0	84.6	88.3	91.5	92.5	94.3	94.7	95.4	95.8	96.7	97.6	99.9										
0.0002	50.5	64.5	70.8	80.3	84.0	84.6	88.3	91.5	92.5	94.3	94.7	95.4	95.8	96.8	97.6	100.0										

TOTAL NUMBER OF OBSERVATIONS 7816

GLOPAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

70931 LAKENHEATH PAF UK 73-83 ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES																OR (HUNDREDS OF METERS)						
	GE9	GE8	GE7	GE6	GE5	GE4	GE3	GE2	GE1	GE0	GE16	GE12	GE10	GE08	GE05	GE04	GE03						
> 25000	27.3	27.0	29.7	31.5	32.4	32.5	33.3	33.9	34.7	34.2	34.3	34.4	34.5	34.6	34.7	35.1	34.3	34.4	34.5	34.6	34.7	35.1	
≥ 18000	23.9	31.7	34.0	37.0	38.0	38.2	39.1	39.7	39.8	40.1	40.2	40.3	40.3	40.5	40.6	41.0	40.1	40.2	40.3	40.4	40.5	40.6	41.0
≥ 14000	24.1	31.8	34.1	37.1	38.1	38.3	39.2	39.8	39.9	40.2	40.3	40.4	40.5	40.6	40.7	41.1	40.2	40.3	40.4	40.5	40.6	40.7	41.1
≥ 12000	25.1	33.3	35.9	38.9	40.0	40.1	41.1	41.7	41.8	42.1	42.3	42.4	42.4	42.6	42.7	43.1	42.1	42.3	42.4	42.4	42.6	42.7	43.1
≥ 9000	25.6	34.0	36.6	39.8	40.9	41.1	42.0	42.7	42.8	43.1	43.2	43.3	43.4	43.5	43.7	44.1	43.1	43.2	43.3	43.4	43.5	43.7	44.1
≥ 8000	28.5	37.6	40.4	44.0	45.1	45.3	46.4	47.1	47.7	47.5	47.7	47.8	47.9	48.0	48.1	48.5	47.7	47.8	47.9	48.0	48.1	48.5	48.9
≥ 7000	29.4	38.9	41.8	45.5	46.7	46.9	48.0	48.7	48.8	49.2	49.3	49.4	49.5	49.6	49.8	50.2	49.2	49.3	49.4	49.5	49.6	49.8	50.2
≥ 6000	29.6	39.2	42.2	46.0	47.1	47.4	48.5	49.2	49.3	49.7	49.8	49.9	50.0	50.2	50.3	50.7	49.7	49.8	49.9	50.0	50.2	50.3	50.7
≥ 5000	31.7	41.8	44.9	48.9	50.1	50.4	51.5	52.3	52.4	52.8	52.9	53.0	53.1	53.3	53.4	53.8	52.8	52.9	53.0	53.1	53.3	53.4	53.8
> 4500	35.7	46.0	49.5	53.9	55.3	55.6	56.8	57.6	57.8	58.2	58.4	58.5	58.5	58.7	58.9	59.3	58.2	58.4	58.5	58.5	58.7	58.9	59.3
≥ 4000	39.8	51.8	55.7	60.7	62.2	62.5	63.9	64.8	65.0	65.5	65.6	65.7	65.8	66.0	66.1	66.6	65.0	65.5	65.6	65.7	65.8	66.0	66.6
≥ 3500	43.7	55.8	59.9	65.2	66.8	67.1	68.6	69.5	69.8	70.2	70.4	70.5	70.6	70.8	70.9	71.4	70.2	70.4	70.5	70.6	70.8	70.9	71.4
≥ 3000	46.8	60.5	64.9	70.5	72.2	72.6	74.2	75.2	75.4	75.9	76.1	76.2	76.3	76.5	76.6	77.1	75.9	76.1	76.2	76.3	76.5	76.6	77.1
≥ 2500	48.4	62.7	67.3	73.2	75.1	75.4	77.1	78.1	78.4	78.9	79.1	79.2	79.3	79.5	79.7	80.1	78.9	79.1	79.2	79.3	79.5	79.7	80.1
≥ 2000	51.8	65.9	70.9	77.5	79.5	79.9	81.7	82.8	83.1	83.7	83.9	84.0	84.1	84.3	84.5	84.9	83.7	83.9	84.0	84.1	84.3	84.5	84.9
≥ 1800	51.2	66.5	71.6	78.3	80.3	80.7	82.5	83.7	84.0	84.6	84.8	84.9	85.0	85.2	85.3	85.8	84.6	84.8	84.9	85.0	85.2	85.3	85.8
≥ 1500	52.5	68.2	73.7	80.8	83.0	83.4	85.3	86.6	86.9	87.5	87.7	87.8	87.9	88.1	88.2	88.7	87.5	87.7	87.8	87.9	88.1	88.2	88.7
≥ 1200	53.5	69.7	75.4	83.0	85.3	85.8	87.9	89.2	89.6	90.2	90.4	90.5	90.6	90.8	91.0	91.4	89.6	90.2	90.4	90.5	90.6	90.8	91.0
≥ 1000	53.7	70.1	76.0	83.8	86.4	86.9	89.1	90.5	90.8	91.5	91.7	91.8	92.0	92.1	92.3	92.7	90.8	91.5	91.7	91.8	92.0	92.1	92.3
≥ 900	53.8	70.3	76.3	84.2	86.8	87.3	89.6	91.1	91.4	92.1	92.3	92.5	92.6	92.8	92.9	93.4	91.4	92.1	92.3	92.5	92.6	92.8	93.4
≥ 800	53.9	70.5	76.6	84.8	87.6	88.1	90.5	92.1	92.5	93.2	93.4	93.6	93.7	93.9	94.1	94.5	92.5	93.2	93.4	93.6	93.7	93.9	94.5
≥ 700	54.0	70.7	76.9	85.3	88.1	88.7	91.2	93.0	93.4	94.1	94.4	94.5	94.7	94.9	95.1	95.5	93.4	94.1	94.4	94.5	94.7	94.9	95.5
≥ 600	54.0	70.8	77.0	85.6	88.5	89.1	91.7	93.6	94.0	94.8	95.1	95.3	95.4	95.6	95.8	96.2	94.0	94.8	95.1	95.3	95.4	95.6	96.2
≥ 500	54.1	70.8	77.1	85.9	88.9	89.5	92.3	94.3	94.8	95.7	96.0	96.2	96.3	96.5	96.7	97.2	94.8	95.7	96.0	96.2	96.3	96.5	97.2
≥ 400	54.1	70.9	77.2	85.9	89.0	89.6	92.5	94.6	95.3	96.3	96.6	96.8	97.0	97.2	97.4	97.9	95.3	96.3	96.6	96.8	97.0	97.2	97.9
≥ 300	54.1	70.9	77.2	86.0	89.0	89.7	92.6	94.9	95.5	96.6	97.0	97.3	97.5	97.8	98.0	98.5	96.6	97.0	97.3	97.5	97.8	98.0	98.5
≥ 200	54.1	70.9	77.2	86.0	89.1	89.7	92.6	94.9	95.5	96.7	97.2	97.5	97.7	98.2	98.5	99.2	97.0	97.2	97.5	97.7	98.2	98.5	99.2
≥ 100	54.1	70.9	77.2	86.0	89.1	89.7	92.6	94.9	95.6	96.7	97.2	97.5	97.8	98.3	98.6	99.8	97.2	97.5	97.8	98.3	98.6	99.8	99.8
≥ 0	54.1	70.9	77.2	86.0	89.1	89.7	92.6	94.9	95.6	96.7	97.2	97.5	97.8	98.3	98.7	100.0	97.2	97.5	97.8	98.3	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 87171

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 C35831 LAKENHEATH RAF UK  
 STATION STATION NAME

DAILY TEMPERATURES

49-83

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
90						.5	.6	.3					.1
85						1.7	2.4	1.6	.3				.5
80					.7	5.9	7.8	6.5	1.3				1.8
75			.1	.3	4.2	15.1	22.6	20.8	7.0				5.9
70			.4	1.4	13.1	34.5	46.7	46.0	22.4	3.1			13.9
65			1.5	5.5	28.5	63.7	77.8	79.8	51.4	14.4			26.9
60		.7	5.2	19.8	55.4	88.3	96.7	97.7	85.9	38.6	3.2	.1	41.0
55	2.6	5.0	23.2	45.1	82.8	97.9	100.0	100.0	98.1	73.2	19.9	5.4	54.5
50	20.1	21.8	50.1	76.2	96.9	99.9			100.0	93.7	49.2	25.2	69.5
45	42.8	46.0	73.6	94.5	99.9	100.0				99.8	79.7	49.2	82.2
40	66.2	72.5	91.8	99.3	100.0					100.0	94.2	74.8	91.6
35	88.8	92.0	99.1	100.0							99.2	92.7	97.7
30	98.4	98.9	100.0								99.7	99.7	99.7
25	99.6	99.9									100.0	100.0	100.0
20	99.9	100.0											100.0
15	100.0												100.0
MEAN	42.9	43.8	49.2	54.0	61.0	67.3	69.7	69.7	65.4	58.1	49.1	44.4	56.2
S D	6.712	6.615	6.806	6.435	6.970	7.074	6.485	5.958	5.719	5.978	5.951	6.486	71.786
TOTAL OBS	1037	946	1029	978	1036	975	1007	1019	1008	1046	1000	1031	12178

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 035831 LAKENHEATH RAF UK  
 STATION STATION NAME

### DAILY TEMPERATURES

40-83

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70						.2							.1
65						.3	.5	.1	.1				.1
60						2.6	7.0	7.3	2.3	.5			1.6
55	.1				2.1	19.6	41.6	38.2	18.1	5.3	.6	.1	17.4
50	.7	.4	1.4	3.3	17.9	55.2	79.8	74.0	49.7	24.7	5.4	1.3	26.1
45	6.8	5.0	8.2	15.3	50.8	83.4	95.5	94.7	78.4	49.6	19.7	10.9	43.2
40	20.3	18.4	26.2	43.7	79.8	96.3	99.6	98.9	94.1	74.4	44.2	26.4	60.3
35	47.7	44.1	60.8	76.2	95.3	99.4	100.0	100.0	99.4	91.3	70.4	54.4	78.3
33	59.9	55.6	72.9	86.4	98.0	99.6			99.9	95.0	79.3	55.6	84.4
30	75.8	75.9	85.3	95.2	99.6	99.9				99.1	88.9	79.0	91.6
25	89.6	97.5	95.7	99.4	100.0	100.0			100.0	100.0	97.1	91.3	97.0
20	95.7	96.8	99.1	100.0							99.4	97.0	99.0
15	98.5	98.9	99.9								100.0	99.1	99.7
10	99.6	99.9	100.0									99.9	99.9
5	99.9	100.0										100.0	100.0
0	100.0												100.0
MEAN	33.8	33.4	35.7	38.7	44.2	49.7	53.0	52.5	49.0	44.2	38.3	35.0	42.3
S D	7.487	6.848	6.279	5.714	5.438	5.379	4.653	4.881	5.740	6.667	7.049	7.514	9.412
TOTAL OBS	1037	946	1025	978	1036	975	1006	1019	1000	1046	1000	1031	12107

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC  
 035831 LAKENHEATH RAF UK  
 STATION STATION NAME

49-83

DAILY TEMPERATURES

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
80						.2							.0
75						.6	.6	.6	.1				.2
70						3.6	6.4	4.3	.9				1.3
65					1.6	12.2	25.9	22.6	8.1	.6			5.9
60			.1	.6	11.6	41.9	65.6	62.5	33.1	8.2	.3		18.6
55	.1	.3	1.5	7.7	37.1	78.9	94.7	95.5	71.4	29.3	3.4	.5	35.0
50	3.9	4.4	12.0	30.0	73.3	97.2	99.8	99.9	94.9	62.9	18.0	7.7	50.4
45	20.3	20.0	39.7	63.1	94.2	99.7	100.0	100.0	99.7	88.5	47.1	26.4	66.7
40	45.5	44.6	70.2	91.6	100.0	100.0			100.0	98.4	76.2	54.2	81.8
35	72.1	75.4	92.8	99.7						100.0	93.8	77.3	92.6
30	90.5	93.3	98.8	100.0							98.6	93.1	97.9
25	97.1	98.4	99.8								99.8	98.9	99.5
20	99.4	99.8	100.0								100.0	99.8	99.9
15	99.8	100.0										100.0	100.0
10	100.0												100.0
MEAN	38.6	38.9	42.7	46.8	52.8	58.7	61.6	61.3	57.4	51.4	43.9	39.9	49.5
S D	6.780	6.338	5.790	5.278	5.330	5.341	4.735	4.491	4.963	5.653	6.113	6.687	10.165
TOTAL OBS	1037	946	1025	978	1036	975	1006	1019	1008	1046	1000	1031	12107

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

33831 STATION LAKENHEATH RAF UK STATION NAME 42-93 YEARS

WHOLE DEGREES FAHRENHEIT

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

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

# (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFS WEATHER SERVICE/MAC

**EXTREME VALUES**

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

071231 LAKENHEATH RAF, UK 40-87 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	43	48	59	71	78	77	81	77	79	70	64	59	87
80	57	54	57	77	73	82	77	77	75	64	51	57	82
81	54	55	56	58	73	75	82	84	79	66	61	52	84
82	55	57	63	64	77	82	86	86	82	64*	64	59	86
83	59*	52	59	59	77								
MEAN	53.1	54.1	61.4	66.7	75.7	79.2	82.3	82.8	76.7	68.6	59.1	55.3	69.8
S.D.	3.73	4.585	5.072	4.798	4.738	5.567	6.042	5.298	4.498	4.636	2.391	3.307	4.757
TOTAL OBS	103	98	102	97	103	97	107	101	108	106	100	107	1218

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA) 8 (AT LEAST ONE DAY LESS THAN 28 OBS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

128311 LAKENHEATH RAF, UK  
 STATION STATION NAME

42-83

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
40					77	76	43	41	46	70	26*	75	
51	23	27	27	26	75	45	42	45	41	28	24	19	10
52	23	28	26	30	71	79	42	45*	41	26	29	27	27
53	15	24	27	28	77	40	44	45	33	26	17	20	15
54	26	17	24	26	71	41	46	43	41	34	32	27	17
55	19	11	20	28	35	77	43	45	37	31	27	27	11
56	18	11	27	25	74	79	44	43	41	26	26	27	11
57	21	17	27	26	71	76*	44	38	42	30*	28*	29	12
58	* 29*	30*	33*	37*	70*	48*	55*	48*	37*	38*	33*	24	* 24
59	* 27*	25*	21*	29*	44*	49*	46	47	40	36	31*	25	* 22
60	27	28	35	35	73	43	47	46	43	36	23*	21	20
61	* 22	24	37	30	32*	41	43	45	41	33	32	27	* 22
62	23	32	28	30	76	78	38	41	43	31	24	11	11
63	11	25	15	28	28	29	42	42	36	30	22	7	7
64	4	8	23	29	32	47	47	44	47	38	27	15	4
65	18	19	25	30	37	41	39	37	36	30	22	12	12
66	24	22	14	29	34	74	39	44	40	30	17	15	14
67	12	22	27	26	32	37	42	37	36	32	23	20	12
68	15	22	29	21	26	34	48	39	36	36	23	27	15
69	11	21	27	23	31	39	42	44	38	37	28	17	17
70	23	14	17	25	35	76	45	39	26	37	19	22	14
71	14	22	15	24	32	42	45	42	42	30	26	23	14
72	24	23*	19				*	48	35	30	23	28	
73	17	37	37	30	37	37	41	39	33	33	26	23	17
74	24	19	24	26	33	37*	44	42	37	30	23	15	15
75	24	28	26	30	33	79	44	39	37	32	28	33	24
76	31	26	28	28*	32	35	42	44	35	32	28	24	24
77	19	32	28	26	33	42	44	39	39	39	37	26	19
78	24	26	26	26	35	41	44	46	41	37	28	22	24
79	24	19	28	26	37	41	44	44	41	35	17	21	17
MEAN													
S D													
TOTAL OBS													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOEAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

02871 LAKENHEATH RAF UK  
STATION STATION NAME

40-32

YEARS

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	A. MONTHS
76	34	24	28	30	32	44	44	44	37	32	27	7	10
81	31	30	28	30	32	45	42	41	42	32	27	26	21
81	27	23	32	37	37	43	46	43	43	28	27	17	17
87	17	25	27	30	27	46	52	48	41	34*	31	25	21
88	33*	23	32	32	36								
MEAN	19.8	22.3	25.3	27.8	32.8	39.4	43.5	42.5	38.8	32.2	25.2	21.3	14.5
S.D.	6.637	6.379	5.103	2.865	3.338	4.074	2.694	2.951	4.022	3.537	4.095	6.954	4.888
TOTAL OBS	1031	946	1025	978	1076	978	1006	1019	1008	1046	1070	1071	12107

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

USAF ETAC FORM 0-88-5 (OLA)

WORLD WEATHER SERVICE  
 WASHINGTON, D.C. 20541  
 WASHINGTON, D.C. 20541

# PSYCHROMETRIC SUMMARY

STATION: LAKEHEAD RAE UK STATION NAME: LAKEHEAD RAE UK YEARS: 74-87 MONTH: \_\_\_\_\_  
 HOURS: 1 PER YEAR

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																		11	17																
56																		15	16																
57																		11	17																
58																		14	18																
59																		42	17	4	17														
60																		24	24	15	17														
61																		24	24	25	17														
62																		24	24	24	17														
63																		24	24	21	17														
64																		179	17	15	17														
65																		47	47	14	17														
66																		17	17	11	17														
67																		17	17	11	17														
68																		17	17	11	17														
69																		17	17	11	17														
70																		17	17	11	17														
71																		17	17	11	17														
72																		17	17	11	17														
73																		17	17	11	17														
74																		17	17	11	17														
75																		17	17	11	17														
76																		17	17	11	17														
77																		17	17	11	17														
78																		17	17	11	17														
79																		17	17	11	17														
80																		17	17	11	17														
81																		17	17	11	17														
82																		17	17	11	17														
83																		17	17	11	17														
84																		17	17	11	17														
85																		17	17	11	17														
86																		17	17	11	17														
87																		17	17	11	17														
88																		17	17	11	17														
89																		17	17	11	17														
90																		17	17	11	17														
91																		17	17	11	17														
92																		17	17	11	17														
93																		17	17	11	17														
94																		17	17	11	17														
95																		17	17	11	17														
96																		17	17	11	17														
97																		17	17	11	17														
98																		17	17	11	17														
99																		17	17	11	17														
100																		17	17	11	17														
TOTAL		457	985	7	4.7													937	937	937	937														

FORM NO. 84 0-26-5 (OL A) REVISED MARCH 1987  
 USAFETAC

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6378019	74683	80.3	5.318	937							937
Dry Bulb	1518147	36743	39.7	7.383	937		14.1					937
Wet Bulb	1345475	34742	37.4	6.231	937		19.3					937
Dew Point	1131317	31642	34.0	2.676	937		37.2					937

2

FEDERAL CLIMATOLOGY BUREAU  
 WASHINGTON, D. C.  
 METEOROLOGICAL SERVICE

# PSYCHROMETRIC SUMMARY

STATION: LAKELAND RAP ID STATION NAME: 74-57 YEARS: 1947 MONTH: 1947

DATE: 03-06-47  
 HOURS: (1, 9, 11)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Wet Bulb Dew Point														
65/ 55				1														7	7														
66/ 57			2	1	2													14	14														
67/ 61		1	1	1	1													20	20	1	6												
68/ 67		1	2	3	2													46	46	41	2												
69/ 65		1	2	3	4	1												106	106	8	4												
70/ 63		2	3	4	5	1												88	88	131	4												
71/ 61		3	5	7	6	2												171	171	68	1												
72/ 70		4	7	7	7	2												80	80	71	2												
73/ 77	1	2	3	4	5	1												82	82	120	2												
74/ 75		4	6	7	1													10	10	5	1												
74/ 73		4	5	5	4													21	21	15	1												
75/ 71		2	3	4	1													11	31	43	7												
76/ 69		2	3	4	1													47	47	52	2												
77/ 67	1	4	5	6														41	45	33	7												
78/ 65		4	5	6														12	12	20	4												
79/ 63		1	2	3														10	10	5	4												
80/ 61		1	4	5														7	7	9	1												
81/ 59			2															2	2	7	1												
82/ 57																		2	2	6	1												
83/ 55																		4	4	2	7												
84/ 53																		1	1	2	2												
85/ 51																				1	4												
86/ 49																					6												
87/ 47																					2												
88/ 45																					1												
89/ 43																					1												
90/ 41																					1												
91/ 39																					1												
92/ 37																					1												
93/ 35																					1												
94/ 33																					1												
95/ 31																					1												
96/ 29																					1												
97/ 27	1	1	1	1														4	4	3	7												
98/ 25		1	2	1														12	12	20	4												
99/ 23			1	1														10	10	5	4												
100/ 21		1	1	2														7	7	9	1												
101/ 19																		2	2	7	1												
102/ 17																		2	2	6	1												
103/ 15																		4	4	2	7												
104/ 13																		1	1	2	2												
105/ 11																				1	4												
106/ 9																					6												
107/ 7																					2												
108/ 5																					1												
TOTAL	5	556	533	14	5	4												97	97	93	9												

Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1482377	36485	32.7	7.411	937		14.3					937
Wet Bulb	131234	34766	37.7	6.588	937		21.7					937
Dew Point	112306	33218	35.5	7.767	937		30.2					937

FORM NO. 5 (OL A) REVISION 10-1-46 U.S. GOVERNMENT PRINTING OFFICE: 1946  
 USAFETAC

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20541  
 AIR WEATHER SERVICE / WAC

# PSYCHROMETRIC SUMMARY

STATION: LAKE MEATH PAT 16 STATION NAME: LAKE MEATH PAT 16 YEARS: 74-87 MONTH: 12  
 DATE: 12-31-87 HOURS (L. S. T.): 2400-0800

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																
57/46				1.2																													14	14		
57/52				1.0	1.6																												14	14		
57/51			1.0	1.1																													11	11	3	
57/49		1.3	1.3	1.3	1.4																												27	27	21	5
47/47	1.1	2.0	3.4	1.3																													63	63	72	5
46/46	1.1	4.3	5.3	1.4																													24	24	72	42
46/43	1.1	4.6	2.9	1.8																													78	78	91	46
42/41	1.2	4.7	4.7	1.4																													112	112	74	26
41/41	1.3	5.0	2.7	1.1																													89	89	66	69
37/31	1.9	4.8	2.6	1.1																													57	37	116	64
35/35	1.4	4.3	1.9																														98	98	68	67
34/33	1.5	4.7	1.4																														62	62	127	89
33/31	1.6	4.8	1.2																														37	37	43	36
31/29	1.7	4.7	1.2	1.2																													53	53	47	52
31/27	1.8	4.4	1.1																														32	32	42	71
31/25	1.9	4.3																															13	13	33	38
31/23	2.0	4.4	1.1																														15	15	11	34
31/21	2.1	4.2	1.2																														12	12	13	22
31/19	2.2	4.1																															4	4	11	17
31/17	2.3	4.0																															3	3	9	17
31/15	2.4	3.9																															2	2	1	4
31/13	2.5	3.8																																		6
31/11	2.6	3.7																																	2	
31/9	2.7	3.6																																	2	
TOTAL	5.9	56.8	32.5	4.7																													930	930	930	930

Element (X)	Σx'	Σx	Σ	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	6141079	75057	80.7	8.894	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1469773	363.9	39.3	7.496	930		17.1					93
Wet Bulb	1376012	342.2	36.3	7.035	930		27.6					93
Dew Point	1098636	311.6	33.5	7.746	930		47.1					93

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JAN 64

2

FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

STATION LAKENHEATH RAF UK YEARS 1-87 MONTH JUN

PAGE 1 OF 1 HOUS (L. 1.4.49)

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 / 57			.1	.1														2	2																
56 / 55				.3	1.1													13	13																
54 / 50			.7	1.1	.3													15	15																
52 / 51				.4	.6	.3												35	34	31															
51 / 49			.6	1.8	.3	.1												47	47	45	5														
49 / 47			.1	1.6	.2													64	64	57	7														
47 / 45			.5	1.7	1.5													125	125	114	11														
44 / 43	.1	.3	1.3	1.4	1.7													89	89	82	7														
42 / 41	.2	.5	1.5	1.1	.2													111	111	107	4														
41 / 39	.3	.5	1.3	.3	.1													83	83	112	1														
39 / 37	.7	.4	1.2	.5	.1													91	91	171	1														
38 / 35	.4	.1	1.5	.2														86	86	96	1														
34 / 33	.6	.8	1.7	.3														56	56	111	1														
32 / 31		1.2	.6	.1														37	37	86	1														
29 / 29		1.5	1.6															40	47	41	6														
28 / 27	.6	.7	.2															27	27	33	6														
27 / 25		.8																7	7	27	19														
24 / 23		.6	.1															7	7	7	17														
22 / 21	.1	.2																3	3	7	22														
20 / 19		.5																5	5	3	18														
19 / 17		.1																1	1	5	1														
16 / 15																				1	1														
16 / 13																					0														
12 / 11																					0														
11 / 9																					4														
<b>TOTAL</b>	<b>4</b>	<b>56</b>	<b>108</b>	<b>7</b>	<b>3</b>	<b>.1</b>																<b>929</b>		<b>929</b>											

USAFETAC FORM 0-26-5 (OL A) REVIDE WITHOUT EDITING OF THIS NAME AND QUALITY

Element (X)	Z <sub>1</sub> <sup>1</sup>	Z <sub>1</sub>	X	X <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Rel. Hum.	5927648	73714	79.7	0.204	929							93
Dry Bulb	1570632	37622	43.5	7.120	929		12.7					93
Wet Bulb	1381194	35317	38.0	6.643	929		16.7					93
Dew Point	1151470	12222	34.5	7.329	929		25.6					93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

37531 WAKENHEATH RAF UK 74-87 1974  
STATION STATION NAME YEARS MONTH

PAGE 1 130 - 140  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
61/59				.2														2	7																
59/57			.1	.2	.1													7	7																
57/55		.1	.2	.2	.1													6	4																
54/53		.1	1.6	1.3	.1													19	14	4															
52/51		.4	4.9	2.7	.1													69	60	8	1														
50/49		.3	4.3	1.3														64	64	11	4														
48/47		2.2	4.9	2.8														95	95	17	7														
46/45	.7	5.1	3.3	2.6														151	151	24	65														
44/43		7.2	4.3	2.6														93	97	114	76														
42/41		5.6	3.5	.8	.1													93	97	111	16														
40/39	.3	3.9	3.1	.5														73	73	106	96														
38/37	.8	4.1	1.9	.3														66	66	92	116														
36/35	.1	4.9	2.2	.6														73	73	64	83														
34/33	.1	3.7	1.6	.6														50	57	27	91														
32/31		1.6	1.2	.2														28	28	62	75														
30/29		1.1	.9															18	19	23	75														
28/27	.2	.5																7	7	26	67														
26/25		.1																	1	9	11														
24/23																				1	19														
22/21																					16														
20/19																					10														
18/17																					6														
16/15																					7														
14/13																					2														
TOTAL	1.4	36.7	42.7	19.2	.9													930	937	937	977														

Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5431264	77772	76.130	144	937	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1757259	39981	43.7	6.439	937		5.4					93
Wet Bulb	1511826	37592	39.9	5.917	937		10.6					93
Dew Point	1229925	33255	35.8	6.626	930		28.5					97

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC JUL 64

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFD WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

055971 LAKENHEATH RAF W.K. 74-87 YEARS MONTH

PAGE 1 1600-1700 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
59/59				.7														2	2																	
58/57					.1													2	2																	
56/55			.7	.4	.7													9	9																	
54/53		.1	1.7	1.7	.1													27	27	27																
52/51		.1	5.6	.6														59	59	4																
50/49		.9	3.5	.6														47	47	29																
48/47		1.9	4.9	1.5	.7													90	87	93	5															
46/45	.3	5.3	9.4	2.7	.1													165	165	73	55															
44/43	.2	2.5	5.1	1.5														86	86	103	91															
42/41	.3	5.8	3.4	1.2														100	100	120	92															
40/39	.3	5.1	3.1	.0														97	87	109	83															
38/37	.9	4.3	3.7	.1														77	77	94	115															
36/35	.1	4.6	2.3	.2	.1													68	68	83	171															
34/33	.1	4.0	2.2	.6														65	65	102	87															
32/31		1.0	.5	.2														16	16	45	77															
30/29	.2	1.1	.8	.2														21	21	34	60															
28/27	.3	1.7	.2															15	14	27	70															
26/25		.2																2	2	14	10															
24/23		.1																1	1	3	16															
22/21		.1																1	1	1	11															
20/19		.1																1	1	1	13															
18/17																		1	1	1	6															
16/15																					3															
14/13																					5															
12/11																					1															
10/9																					1															
TOTAL	7.97	145.9	12.3	1.1														930	930	930	930															

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PER US EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5617387	71681	77.1	0.277	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1699772	39298	42.3	6.496	930		5.6					93
Wet Bulb	1472778	36584	39.3	6.220	930		11.9					93
Dew Point	1237040	32910	35.4	6.760	930		30.8					93

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1931 LAKENHEATH RAF UK 74-87  
 STATION STATION NAME YEARS MONTH JAN  
 PAGE 1 1400-2000  
 HOURS (L. S. Y.)

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															
57/59				.2														2	2																	
56/57				.1														1	1																	
56/55			.1	.4	.1													6	6																	
54/53		.1	1.4	.6														25	21	4																
52/51		.1	3.0	.4	.1													42	42	5																
5/49		.3	3.7	.3														40	43	21	1															
48/47		2.7	2.9	.3														54	54	67	17															
46/45		4.9	6.6	1.3	.2													171	121	76	47															
44/43	.3	4.2	6.3	.6														178	138	87	72															
42/41	.6	6.0	4.4	.1														104	124	100	100															
4/39	.1	6.7	1.9	.4														95	85	113	32															
38/37	1.3	4.6	2.6	.1														77	77	104	95															
36/35	.1	7.3	4.4	.1														111	111	68	103															
34/33	.3	4.8	2.5															71	71	136	80															
32/31		1.7	.3	.4														23	23	72	65															
30/29	.1	1.1	.6															17	17	19	94															
28/27	.8	1.4	.4	.2														76	26	25	99															
26/25	.1	.4																5	5	14	25															
24/23		.1	.1															10	17	4	17															
22/21	.2																	2	2	12	7															
20/19	.1																	1	1	2	11															
18/17		.4																4	4	1	11															
16/15																				3	4															
14/13																					1															
12/11																					4															
10/9																					7															
TOTAL	3.84	7.84	2.0	5.0	.4													930	930	930	930															

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5902413	73637	79.1	9.81	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1583111	37833	40.7	6.885	930		8.8					93
Wet Bulb	1391527	35478	38.1	6.403	930		15.6					93
Dew Point	1158810	32169	34.6	7.069	930		38.5					93

USAF/TAC FORM 14 JAN 64 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 CENTRAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

02071 LAKENHEATH RAF UK 74-87 YEARS 11A  
 STATION STATION NAME MONTH

PAGE 1 216-239  
 NOTES: 1, 4, 9

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																	
57/57					.7																											3	3					
54/55				.5	.3																											8	9					
54/53			.2	1.1	.5	.1																										18	12					
52/51	.1			.2	.6																											26	26	12	1			
51/49			.2	2.7	.9																											76	35	71	7			
48/47			.2	2.5	.9																											61	61	38	9			
48/45	.1		.1	5.7	1.2																											101	111	77	41			
44/43	.3		.3	4.3	1.3																											161	191	77	49			
40/41	.4		.8	5.7	.1																											124	114	94	94			
41/39	.3		.6	2.3	.1																											91	61	123	23			
38/37	1.1		.6	3.2																												96	96	102	71			
36/35	.4		.2	2.4	.2																											95	95	94	25			
34/33			.4	3.1																												77	77	111	57			
32/31			.2	.8	.1																											34	34	72	73			
30/29			.2	1.2																													71	31	47	94		
28/27	.6		.2	.8	.1																												25	25	18	69		
26/25	.3		.6																														9	9	72	32		
24/23			.6	.1																													7	7	11	21		
22/21	.3		.3																														6	6	10	1		
22/19	.1		.2																														3	7	5	1		
18/17			.3																														3	3	4			
16/15																																		1	1	1	3	
14/13			.1																															1	1	1	3	
12/11																																						
10/9	.1																																	1	1	1	7	
8/7																																						
TOTAL		4.3	5.1	6.3	7.6	6.5	.1																												929	929	929	929

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5963780	71073	79.6	8.908	929	≤ 0 F	≤ 32 F	≤ 67 F	≤ 75 F	≤ 80 F	≤ 92 F	
Dry Bulb	1529993	37119	82.2	7.107	929		12.0					93
Wet Bulb	1388376	38858	37.5	6.625	929		19.2					93
Dew Point	1125678	31628	38.3	7.278	929		26.7					93

FORM 0-26-5 (OL A) REVISED VARIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC AIR 34

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION: 74231 LAKENHEATH RAF UK STATION NAME: 74-231 YEARS: JAN MONTH: JAN

PAGE: 1 OF 1 HOURS (L.S.T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb
59 / 59				.1													6	6		
57 / 57				.1													15	15		
56 / 55			.1	.4	.1												75	75		
54 / 52			.1	1.2	.7	.1											158	158	9	
52 / 51			.1	.3	3.0	.7	.1										299	299	2	
50 / 49			.1	.6	3.2	.7	.1										342	342	25	34
48 / 47		.1	2.7	3.7	.9	.1											545	545	474	50
46 / 45		.1	5.0	6.2	1.8	.1											952	952	524	379
44 / 43		.1	4.4	4.0	1.3												737	737	741	405
42 / 41		.1	5.8	4.5	.5	.0											829	829	761	701
40 / 39		.1	5.8	2.6	.3												675	675	785	700
38 / 37		.1	4.4	2.4	.1												650	650	893	716
36 / 35		.1	7.1	2.4	.1	.0											740	740	664	751
34 / 33		.1	4.0	2.2	.3												495	495	907	694
32 / 31		.1	2.4	.9	.1												251	251	414	630
30 / 29		.1	2.3	1.2	.1												259	259	326	652
28 / 27		.1	1.5	.4	.0												193	193	247	610
26 / 25		.1	.7	.1													67	67	166	235
24 / 23		.1	.7	.1													61	61	63	194
22 / 21		.1	.3	.1													38	38	62	123
20 / 19		.1	.3														27	27	35	116
18 / 17		.1	.3														19	19	31	75
16 / 15		.1	.1														7	7	14	35
14 / 13		.1	.1														2	2	4	33
12 / 11		.1	.1														2	2	2	31
10 / 9		.1	.1														1	1	1	41
8 / 7		.1	.1																	4
6 / 5		.1	.1																	2
TOTAL	4.2	49.0	36.3	8.7	.4												7438	7438	7438	7438

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 60 F$	$\leq 52 F$	$\leq 47 F$	$\leq 43 F$	$\leq 40 F$	$\leq 33 F$	
Rel. Hum.	47190486	588248	79.1	9.476	7438							7438
Dry Bulb	12611064	301590	40.5	7.171	7438		92.0					7438
Wet Bulb	11074506	282700	38.0	6.659	7438		135.7					7438
Dew Point	9209225	255981	34.4	7.330	7438		282.6					7438

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

120531 STATION LAKENHEATH RAF UK STATION NAME 74-83 YEARS FEB MONTH

PAGE 1 2050 0332 HOURS 9. 9. 73

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														
53			.4	.2														5	5																
51			1.2	.4														13	13																
49			1.1	1.0	.2													27	27	8															
47			1.9	2.4	.4													40	40	23	5														
45		.5	5.7	3.7	.1													72	72	4	15														
43		.7	5.1	2.6	.5	.1												76	76	75	36														
41		.6	6.3	1.3	.4													76	76	79	86														
39		.8	6.0	3.7	.6													93	93	69	79														
37	1.9	6.7	2.3	.2														89	89	96	75														
35	1.7	8.6	4.7	.6														124	124	95	86														
33	.6	5.6	3.															77	77	172	61														
31		5.1	.6															46	46	76	7														
29	.5	4.2	.4															47	47	65	8														
27	.6	4.4	.2															44	44	44	1														
25	.1	.5																5	5	24	60														
23		.1																1	1	7	32														
21	.4	.2																5	5	4	24														
19																				1	12														
17																					0														
15																					1														
13																					0														
TOTAL	7.860	528.1	3.6	.2														837	837	937	837														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						= 60 F	= 72 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	5687129	64537	81.0	9.470	837							84
Wet Bulb	1266631	32181	38.8	6.226	837		18.6					84
Dew Point	1136757	70435	36.4	5.998	837		22.2					84
	963089	27809	33.2	6.883	837		39.5					84

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

FEDERAL BUREAU OF SURVEY  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 029831 LAKENHEATH PAF JK STATION NAME: 74-87 YEAR: 1987 MONTH: 1987

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22		23-24	25-26	27-28	29-30	31	Dry Bulb
52/ 51			1.1	.2														11	11
47/ 49		.8	1.6	.4														23	23
47/ 47		1.8	1.7	.2														25	25
47/ 45		.2	4.4	4.9	.4													33	33
44/ 43	1.7	4.7	1.7															61	61
42/ 41	.1	6.8	3.2	.1														86	86
47/ 39	1.7	6.6	2.7	.4														95	95
75/ 37	1.6	4.2	4.3															74	74
76/ 35	.7	7.3	4.5	.4														108	108
74/ 33	1.0	7.3	3.7															120	120
72/ 31	.2	4.4	.6															44	44
77/ 29		5.3	.5															48	48
69/ 27	.9	4.0	.2															50	50
76/ 25		1.2																17	17
74/ 23		.7																6	6
72/ 21	.2	.1																3	3
77/ 19																			
77/ 17																			
77/ 15																			
TOTAL	7.56	5.50	2.0															637	637

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	5698064	68612	82.7	9.384	837							837
Wet Bulb	1228455	31643	37.8	6.205	837		16.2					837
Dew Point	1133544	29076	35.8	5.990	837		28.0					837
	933217	27351	32.7	6.870	837		32.1					837

FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

231

FEDERAL CLIMATOLOGY BRANCH  
WASH DC  
METEOROLOGICAL SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: LAKEHEAD PARK STATION NAME: 74-47 YEARS: FEB MONTH: 1954

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																			
37 53																																			17	17				
37 47				1.2	2.0																														23	23	3			
37 47				1.7	1.7																														78	78		7		
37 45				1.3	2.3	3.5	.4																											46	66	24	24			
37 47				6.6	5.6	2.7	.4																											66	66	25	25			
37 41				7.2	2.5																													88	88	23	23			
37 70				1.3	7.3	2.7	.4																											93	97	14	88			
37 37				2.8	3.7	4.7	.1																											93	93	131	73			
37 35				1.1	6.8	6.0	.4																											119	119	52	77			
37 33				6.5	6.7	3.0																												65	65	149	46			
37 31				7.5	.7																													77	77	85	51			
37 29				6.1	.6																													58	58	66	74			
37 27				4.2	.2																													42	42	5	144			
37 25				1.3																														16	16	22	88			
37 23				1.2																														17	17	15	47			
37 21				.1	.1																													7	7	11	27			
37 19				.1																														1	1	2	6			
37 17																																						14		
37 15																																					7			
TOTAL				2.560	3.29	3.1	1.8																														577		877	

Element (X)	Σx'	Σx	K	c <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature				
						≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5697054	68640	82.0	9.449	837					
Dry Bulb	1217853	71493	37.6	6.733	837		16.7			84
Wet Bulb	144455	79836	35.6	6.952	837		25.2			84
Dew Point	428062	27196	32.5	6.252	837		42.9			84

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 WAFBETAC  
 AIR WEATHER SERVICE/NAAC

# PSYCHROMETRIC SUMMARY

31271 LAKEHEATH RAF BK 74-87  
 STATION STATION NAME YEARS MONTH  
 0000 000-1100  
 HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
66/56																																				
64/57																																				
67/51				1.9	1.2																															
67/46				3.2	2.7	1.1																														
47/47				2.9	2.0	.6																														
46/45				3.3	3.6	.6																														
46/47				5.4	3.7	1.8																														
42/41				6.8	5.5	.8																														
47/30				6.5	4.3	.8																														
37/37				4.2	6.7	.2																														
36/35				3.6	4.9	1.2																														
34/33				4.8	2.4																															
37/31				3.6	.4																															
37/29				1.9	.1																															
37/27				1.1																																
36/25				.4																																
34/24				.1																																
32/21				.1																																
37/19																																				
37/17																																				
TOTAL	3.74	0.23	0.57	7.37																																

Element (X)	$\sum X$	$\sum X^2$	K	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5332051	66779	79.27	0.03	937							
Dry Bulb	1391664	73774	47.4	0.976	937		6.8					24
Wet Bulb	1224749	71673	37.8	0.620	937		14.4					44
Dew Point	1016657	2.557	34.2	6.517	937		36.3					84

FORM NO. 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 AIR 84  
 USAFETAC



FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE  
 AIRCRAFT WEATHER SERVICE

# PSYCHROMETRIC SUMMARY

2

STATION: LAKE MEATH DAF YEAR: 1957  
STATION NAME YEARS MONTH  
HOURS: 0 5 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																		
77/77				1.1																																			
77/75				1.1																																			
77/73			1.1	1.1																																			
77/71			1.1	1.1																																			
77/69			1.1	1.1																																			
77/67			1.1	1.1																																			
77/65			1.1	1.1																																			
77/63			1.1	1.1																																			
77/61			1.1	1.1																																			
77/59			1.1	1.1																																			
77/57			1.1	1.1																																			
77/55			1.1	1.1																																			
77/53			1.1	1.1																																			
77/51			1.1	1.1																																			
77/49			1.1	1.1																																			
77/47			1.1	1.1																																			
77/45			1.1	1.1																																			
77/43			1.1	1.1																																			
77/41			1.1	1.1																																			
77/39			1.1	1.1																																			
77/37			1.1	1.1																																			
77/35			1.1	1.1																																			
77/33			1.1	1.1																																			
77/31			1.1	1.1																																			
77/29			1.1	1.1																																			
77/27			1.1	1.1																																			
77/25			1.1	1.1																																			
77/23			1.1	1.1																																			
77/21			1.1	1.1																																			
77/19			1.1	1.1																																			
77/17			1.1	1.1																																			
77/15			1.1	1.1																																			
TOTAL	3.3	3.6	3.6	3.6																																			

Element (X)	$\Sigma d^2$	$\Sigma d$	X	$\sigma_d$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Num.	9226492	2272	73.2	1.04	24	0 F	0 F	0 F	0 F	0 F	
Dry Bulb	150271	1614	43.7	0.30	24						
Wet Bulb	1344631	2325	30.5	0.74	24						
Dew Point	1264503	2031	30.2	0.41	24						

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

AD-A140 248

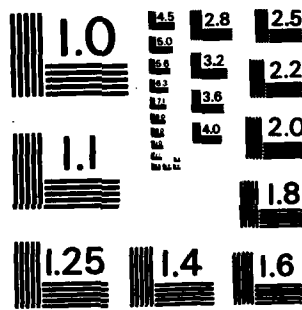
LAKENHEATH UNITED KINGDOM REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBS..(U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A.. 01 MAR 84  
USAFETAC/DS-84/008 SBI-AD-E850 624 F/G 4/2

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

15831 LAKENHEATH RAF UK 74-83 FEB 1990  
 STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000  
 HOUR (C. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
54/ 53			.5																													6	6			
52/ 51		.8	2.7	.2																												32	32	2		
51/ 49		.6	2.3	.5																												28	28	12	4	
48/ 47	.1	2.5	3.6	.5																												56	56	46	4	
46/ 45	.4	7.2	5.4	.8																												115	115	77	48	
44/ 43	.2	3.3	2.5	.6																												56	56	67	67	
42/ 41	.6	6.4	5.3	.5																												107	107	83	68	
40/ 39	.5	7.3	2.5	.4																												89	89	66	77	
38/ 37	1.8	4.2	4.7																													89	89	123	72	
36/ 35	.7	4.8	7.2	.5																												110	110	72	78	
34/ 33	.1	4.7	3.9	.2																												75	75	122	91	
32/ 31		3.5	1.0	.4																												80	80	83	32	
30/ 29	.2	1.9	.6																													23	23	53	63	
28/ 27		1.3																														11	11	22	135	
26/ 25		.1																														1	1	9	58	
24/ 23																																			1	28
22/ 21																																				14
20/ 19																																			5	
18/ 17																																			4	
16/ 15																																			2	
TOTAL	4.7	8.6	2.0	4.5	.2																												838	838	838	
Element (X)	Z <sub>g</sub> '	Z <sub>g</sub>	Z	Z <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	5332227	66339	79.2	9.813	838	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																								
Dry Bulb	1383915	33697	40.2	5.878	838		7.5					88																								
Wet Bulb	1221590	31630	37.7	5.750	838		18.8					88																								
Dew Point	1018076	28592	38.1	6.785	838		13.8					88																								

USAFETAC FORM 0-26-5 (OL A) WEATHER SERVICE BRANCH OF THE NOAA AIR OBSERVATION DIVISION

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035831 LAKENHEATH RAF UK  
STATION STATION NAME

74-83  
YEARS

FFB  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb
54/ 53			.1	.1	.1													3	3	
52/ 51			1.6	.2														15	15	
50/ 49		.8	1.6	.4														23	23	6
48/ 47		1.9	2.5	.1														38	38	29
46/ 45	.6	6.5	4.8															99	99	68
44/ 43	.2	4.5	2.5	.6														66	66	59
42/ 41	.5	8.4	3.6	.6														109	109	90
40/ 39	.4	6.3	2.7	.8														80	80	70
38/ 37	2.3	6.7	2.7															92	92	103
36/ 35	.8	4.5	5.0	.4														90	90	83
34/ 33	.2	7.2	3.2															89	89	108
32/ 31		5.6	1.0															63	63	97
30/ 29		2.9	1.3															35	35	60
28/ 27	.4	2.7	.1															27	27	36
26/ 25	.5	.1																5	5	26
24/ 23		.7																2	2	1
22/ 21	.1																	1	1	3
20/ 19																				
18/ 17																				
16/ 15																				
TOTAL	6.0	57.7	53.0	3.2	.1													837	837	837

Element (X)	Σg'	Σg	Σ	Σ	No. Obs.	No. of Hours with Temperature					Total	
Rel. Hum.	55487.6	67676	80.9	9.581	837	≤ 6 F	≤ 25 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 90 F	Total
Dry Bulb	1296571	32553	38.9	6.441	837		13.3					85
Wet Bulb	1156276	30720	36.7	5.867	837		22.9					88
Dew Point	970899	27939	33.9	6.768	837		38.0					89

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

075831 LAKENHEATH RAF UK  
 STATION STATION NAME

74-83  
 YEARS

FEB  
 MONTH

PAGE 1 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
67/ 59																		1	1					
58/ 57																		7	7					
56/ 55					.5													37	37					
54/ 53			.7	.6	.1													99	99					
52/ 51		.2	2.2	.6	.1													212	212	6				
50/ 49		1.7	2.1	.7														253	253	154	7			
48/ 47	.0	2.1	2.5	.9	.1													371	371	350	32			
46/ 45	.8	5.3	4.5	1.1	.2													774	774	471	323			
44/ 43	.5	4.3	2.6	1.3	.1													594	594	584	395			
42/ 41	.8	6.6	4.0	.9	.1													806	806	679	620			
40/ 39	.6	5.9	3.2	.9	.0													719	719	580	637			
38/ 37	1.7	3.9	4.4	.5														701	701	632	600			
36/ 35	.6	5.6	4.8	.7	.7													786	786	601	635			
34/ 33	.3	4.9	2.7	.1														540	540	1034	449			
32/ 31	.1	3.5	.7	.1														294	294	621	384			
30/ 29	.1	3.0																244	244	391	641			
28/ 27	.3	2.4	.1															188	188	231	972			
26/ 25	.1	.5																40	40	114	416			
24/ 23	.0	.3																71	21	38	269			
22/ 21	.1	.1																12	12	28	136			
20/ 19	.0																	1	1	4	56			
18/ 17																					25			
16/ 15																					7			
14/ 13																					2			
TOTAL	5.5	9.6	35.7	8.7	.9	.2												6700	6700	6700	6700			

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	Z	Z <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
Ref. Num.	8260883	528331	78-080-784	6388	± 0 F	± 22 F	± 47 F	± 73 F	± 88 F	± 93 F	
Dry Bulb	10969098	267680	80-0-8-803	6700		80-2					672
Wet Bulb	9635160	250862	37-8-6-015	6700		183-1					672
Dew Point	7850312	226178	33-8-6-880	6700		286-3					672

FORM 0-26-5 (OL A) REVISIONS INDICATED BY THE FOLLOWING CIRCLES

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035831 LAKENHEATH RAF UK

74-87

MAR  
 MONTH

PAGE 1 0600-0200  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
58/ 57				.3														3	3					
56/ 55		.3	.3	.7														8	8					
54/ 53		.8	1.5	.5	.1													27	27	7	2			
52/ 51		1.0	1.7	.4														29	29	9	6			
50/ 49		1.6	1.2	.4														30	30	36	7			
48/ 47	.1	2.6	2.4	.8														54	54	36	18			
46/ 45	.1	5.1	4.9	1.0	.2													105	105	51	44			
44/ 43		5.5	5.6	1.3	.1													116	116	72	39			
42/ 41		6.7	4.6	1.3	.1													118	118	113	72			
40/ 39		8.7	4.1	1.5	.1													134	134	114	77			
38/ 37	.1	4.5	5.2	.9														99	99	132	99			
36/ 35	.3	4.9	5.6	1.5														115	115	103	119			
34/ 33		2.7	2.5	.3														51	51	130	100			
32/ 31		1.3	.5															17	17	59	68			
30/ 29		1.7	.1															17	17	47	80			
28/ 27	.1	.4	.1															6	6	17	87			
26/ 25		.1																1	1	4	41			
24/ 23																					40			
22/ 21																					21			
20/ 19																					9			
18/ 17																					1			
TOTAL		.8	7.8	7.3	10.4	.6												930	930	930	930			

Element (K)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ <sub>3</sub>	Σ <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5687192	72134	77.6	9.968	930	≥ 60 F	≥ 55 F	≥ 50 F	≥ 45 F	≥ 40 F	≥ 35 F	Total
Dry Bulb	1609297	38325	41.2	5.677	930		4.1					93
Wet Bulb	1404667	35768	38.5	5.613	930		12.7					93
Dew Point	1154229	32150	39.4	6.788	930		38.7					93

USAFETAC FORM 0-26-5 (O.L.A.) REVISE PREVIOUS EDITIONS OF THIS FORM AND DISCARD

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035831 LAKENHEATH RAF UK

74-83

MAP

PAGE 1 0300-0500

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point							
56/ 55		.5	.6																			11	11				
54/ 53		.3	.9	.9																			15	15			
52/ 51		.3	1.8																				20	20	6	8	
50/ 49		.5	1.7	.9																			25	25	22	1	
48/ 47	.1	2.8	.8	.2																			36	36	40	12	
46/ 45		6.6	4.8	.5																			107	107	36	46	
44/ 43		4.6	4.6	.8																			93	93	89	42	
42/ 41		8.2	4.1	1.6																			129	129	83	74	
40/ 39	.3	9.2	4.7	.4																			137	137	101	68	
38/ 37		7.1	6.2	.1																			125	125	127	76	
36/ 35		7.6	3.5	1.8																			121	121	110	100	
34/ 33		2.6	1.9	.8																			46	46	154	119	
32/ 31		1.7	1.2																				20	20	43	77	
30/ 29		1.9	.2																				20	20	50	66	
28/ 27	.1	2.4	.1																				24	24	29	113	
26/ 25	.1																						1	1	12	22	
24/ 23																										46	
22/ 21																										27	
20/ 19																										7	
18/ 17																										6	
TOTAL		.655	.736	.9	6.9																			930	930	930	

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Max No. of Hours with Temperature					Total
Ref. Num.	5863673	73318	78.8	8.478	930	≥ 67 F	≥ 70 F	≥ 73 F	≥ 76 F	≥ 79 F	Total
Dry Bulb	1536861	37835	80.3	5.683	930				4.5		930
Wet Bulb	1353932	35796	37.7	5.638	930			13.8			930
Dew Point	1122857	33680	38.1	6.728	930			18.2			930

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035P31 LAKENHEATH RAF UK 74-83 MAR  
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.S./W.S.	Dry Bulb	Wet Bulb	Dew Point																				
56/ 55		.1	.4																															5	5						
54/ 53		.5	.8	.2																															14	14	6				
52/ 51		.3	2.3																																24	24	9	6			
50/ 49		.5	2.8	.4	.2																														37	37	15	1			
48/ 47		2.7	2.4	.5																															52	52	46	10			
46/ 45		6.0	3.2	.6																															92	92	56	54			
44/ 43	.3	3.8	5.5	1.6	.2																															108	108	89	57		
42/ 41		7.6	4.9	1.2																																156	156	66	73		
40/ 39		8.6	3.5	.9																																121	121	139	70		
38/ 37	.4	5.9	4.5	.9																																109	109	135	69		
36/ 35		7.3	4.0	.9																																113	113	107	112		
34/ 33	.1	2.3	2.3	.4																																47	47	140	114		
32/ 31		1.5	.5																																	19	19	50	80		
30/ 29		1.6	.4																																	19	19	44	78		
28/ 27		1.1	.2																																	12	12	27	84		
26/ 25	.1	.3																																		4	4	12	38		
24/ 23																																								39	
22/ 21																																								24	
20/ 19																																								8	
18/ 17																																								3	
<b>TOTAL</b>	<b>1.0</b>	<b>53.2</b>	<b>37.7</b>	<b>7.6</b>	<b>.4</b>																																	<b>930</b>	<b>930</b>	<b>930</b>	<b>930</b>

USAFETAC FORM 0-26-5 (O.L.A.) REVISION 10-65  
 REVISION 10-65 (O.L.A.) REVISION 10-65 OF THE FORM AIR CIRCULAR

Element (X)	$\Sigma H$	$\Sigma W$	$\Sigma R$	$\Sigma C$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5853011	73207	78.7	9.906	930	< 67 F	< 50 F	< 47 F	< 43 F	< 40 F	< 38 F	
Dry Bulb	1568231	37833	40.7	5.603	930							93
Wet Bulb	1379101	35003	38.1	5.523	930							93
Dew Point	1193399	32019	34.8	4.685	930							93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035831 LAKENHEATH RAF UK 74-87 YEARS MAR MONTH  
 STATION STATION NAME YEARS MONTH

PAGE 1 0950 1190

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/ 61					.1													1	1		
67/ 59				.3														3	3		
58/ 57		.1	.2	.4	.3													11	11		
56/ 55		.5	1.2	.8	.3	.2												28	28	1	
54/ 53		.2	3.7	1.6	.9	.1	.1											55	55	12	3
52/ 51		.8	2.6	1.8	.6	.3												57	57	26	4
50/ 49		1.4	3.9	2.3	1.1													80	80	50	9
48/ 47		1.3	4.7	1.7	1.1													75	75	65	29
46/ 45		5.3	7.6	5.2	2.6	.5												197	197	95	53
44/ 43		3.3	5.4	2.9	.4	.1												113	113	125	49
42/ 41		4.7	6.7	1.7	.4													126	126	111	119
40/ 39	.1	4.3	3.2	1.0	.2													80	80	148	104
38/ 37	.2	2.7	2.3	1.2														59	59	130	102
36/ 35		2.3	1.2	.4														34	34	79	106
34/ 33		.6	.2															8	8	56	94
32/ 31		.1	.2															1	1	27	73
30/ 29																				5	82
28/ 27																					87
26/ 25																					20
24/ 23																					15
22/ 21																					15
20/ 19																					5
18/ 17																					1
TOTAL	.3	27.6	1.2	22.1	3.8	1.3	.1	.1										930	930	930	930
Element (X)	X <sub>g</sub>	X <sub>g</sub>	X <sub>g</sub>	X <sub>g</sub>	X <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	5035820	67886	72.6	12.199	930	≥ 0 F	≥ 20 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1912799	81870	85.0	5.860	930			.1													
Wet Bulb	1606302	38360	41.2	5.089	930		3.2														
Dew Point	1268878	33630	36.4	4.388	930		25.8														

FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 035831 LAKENHEATH RAF UK YEARS: 74-83 MONTH: MAR  
 PAGE 1 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb		Dew Point		
66/ 65						.2	.1													1	1		
64/ 63						.2		.1	.1											4	4		
62/ 61				.2	.6	.2		.7												12	12		
60/ 59			.2	.4	.8	.3	.2	.1												19	19		
58/ 57		.4	1.0	1.3	1.3	1.0	.3													49	49		
56/ 55		.1	1.7	2.4	1.7	.4	.1													60	60	13	
54/ 53		.4	2.9	1.5	2.8	.3	.3													77	77	23	4
52/ 51		.8	3.3	2.8	2.7	.5														94	94	47	9
50/ 49		.2	1.6	3.8	1.3	1.1	.1													75	75	70	21
48/ 47		.9	4.0	3.0	3.2	1.8	.1													121	121	85	38
46/ 45		3.0	4.5	3.9	4.2	.6	.1													160	160	121	49
44/ 43		2.7	2.6	1.4	.5	.1														68	68	127	62
42/ 41		2.9	6.2	1.7	.2	.2														105	105	109	106
40/ 39		2.4	1.7	1.4	.4															55	55	131	102
38/ 37		1.4	.4	.4																21	21	117	95
36/ 35		.9		.1																9	9	52	100
34/ 33																						26	75
32/ 31																						10	84
30/ 29																						1	63
28/ 27																							68
26/ 25																							17
24/ 23																							13
22/ 21																							14
20/ 19																							6
18/ 17																							2
16/ 15																							3
<b>TOTAL</b>		16.9	30.2	24.3	19.8	6.9	1.4	.3	.1	.1										930	930	930	930

FORM 0-26-5 (OL A) 10-64  
 REVISED VERSIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z	C <sub>2</sub>	No. Obs.	Hours No. of Hours with Temperature					Total	
Rel. Hum.	42.0	98.6	61.7	83.9	937	≤ 6 F	≤ 30 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2179989	44695	98.1	5.868	930							93
Wet Bulb	1743012	39970	93.0	5.204	930			1.1				93
Dew Point	1292875	34073	36.4	6.923	930		27.0					93

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035R31 LAKENHEATH RAF UK STATION NAME

74-83 YEARS

MAR MONTH

PAGE 1 1500-1700 Hours (C. P. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63					.7	.4	.1			.2								9	9		
62/ 61				.4	.3			.1	.1	.1								10	10		
60/ 59				.5	.3		.3	.2										13	13		
58/ 57			.8	1.3	1.1	1.3	.3	.1										45	45	1	
56/ 55		.2	1.4	3.0	1.0	.3	.4	.1										69	69	6	
54/ 53		.5	1.5	1.5	2.6	.8	.3											67	67	24	
52/ 51		.3	2.8	2.5	1.8	.5	.4											78	78	75	12
50/ 49		.1	2.9	2.8	1.2	1.8												78	78	61	17
48/ 47	1.0	3.7	3.1	1.9	1.2													101	101	97	27
46/ 45	3.8	5.5	4.5	3.9	1.3	.1												177	177	122	53
44/ 43	1.9	4.1	2.4	.9	.3													89	89	117	52
42/ 41	4.3	5.1	3.2	.3	.1													121	121	102	114
40/ 39	.9	2.4	1.6	.1														46	46	171	78
38/ 37	.3	.9	1.1	.1														18	18	90	97
36/ 35	.9		.1															9	9	73	111
34/ 33																				27	77
32/ 31																				12	77
30/ 29																				2	53
28/ 27																					76
26/ 25																					26
24/ 23																					27
22/ 21																					11
20/ 19																					13
18/ 17																					8
16/ 15																					1
TOTAL		14.2	30.8	28.1	16.7	7.6	2.0	.5	.1	.3								930	930	930	930

Element (K)	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ	σ <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	Σ <sub>1</sub>	Σ <sub>2</sub>	Σ	σ <sub>2</sub>	No. Obs.	≤ 60 F	60 F - 65 F	65 F - 70 F	70 F - 75 F	75 F - 80 F	≥ 80 F	Total
Dry Bulb	2152883	88813	87.8	5.825	930							93
Wet Bulb	1708399	79572	82.6	5.188	930			1.8				93
Dew Point	1288266	33850	36.0	2.088	930			28.2				93

FORM 0-26-5 (OL A) GROUP PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035831 LAKENHEATH RAF UK

74-83

MAR

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
64/ 63						.1												1	1						
60/ 59				.5	.1				.1									7	7						
58/ 57			.2	.2			.1											5	5						
56/ 55		.1	1.7	.8		.1												25	25						
54/ 53		.6	1.6	1.3	.5	.1	.2											41	41	13					
52/ 51		.5	3.2	1.1	.6	.2	.1											58	58	27					
50/ 49		.5	2.8	.9	.3	.2												44	44	26					
48/ 47		3.2	3.5	2.3	1.1	.3												97	97	69					
46/ 45		5.6	7.8	4.7	1.9													183	183	87					
44/ 43		2.0	5.4	4.2	.4	.2												114	114	93					
42/ 41		6.0	6.1	1.7	.5													134	134	125					
40/ 39		4.3	4.4	1.1	.1													92	92	146					
38/ 37	.1	1.9	3.9	1.3														67	67	141					
36/ 35		2.2	1.7	.8														43	43	78					
34/ 33		.5	1.1	.4														19	19	80					
32/ 31			.2															2	2	29					
30/ 29		.2																2	2	19					
28/ 27																				5					
26/ 25																									
24/ 23																									
22/ 21																									
20/ 19																									
18/ 17																									
<b>TOTAL</b>		.127	.843	3.321	.2	5.7	1.3	.4		.1								930	930	930					

Element (R)	Z <sub>1</sub>	Z <sub>2</sub>	F	C <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4996888	67287	72.382	171	930	< 6 F	> 32 F	> 67 F	> 73 F	> 80 F	> 92 F	
Dry Bulb	1898077	4113	39.2	5.588	930							93
Wet Bulb	1551212	37658	80.5	5.325	930							93
Dew Point	1217153	33083	35.5	6.818	930			11.7				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 35431 LAKENHEATH RAF UK STATION NAME 74-03 YEARS 1950 MONTH MAR

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
59/59				.2																													2	2		
58/57				.1																													1	1		
56/55		.3	.7		.1																												7	7		
54/53		.8	1.4	.5																													25	25		
52/51		1.3	2.5	.4																													36	36	10	
50/49		1.9	2.0	.8																													44	44	10	
48/47		2.6	2.7	.6	.1																												56	56	19	
46/45	.1	5.4	7.5	2.5	.3	.1																											148	148	55	
44/43		3.5	4.1	4.7	.7																												111	111	30	
42/41		8.0	6.2	2.0	.4																												155	155	121	
40/39		4.7	3.8	1.8																													96	96	118	
38/37	.4	7.7	5.4	.6																													94	94	128	
36/35		4.7	3.8	1.1																													82	82	99	
34/33		2.7	2.0	.5																													49	49	126	
32/31		.6	.4																														10	10	42	
30/29		1.3	.1																														13	13	80	
28/27		.1																															1	1	13	
26/25																																				
24/23																																				
22/21																																				
20/19																																				
18/17																																				
TOTAL		.54	.54	.31	.3	1.3	.1																											930	930	930

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5850913	70505	75.810	6.72	930							
Dry Bulb	1676063	39135	82.1	5.61	930		2.8					93
Wet Bulb	1888865	36291	39.7	5.58	930		2.6					93
Dew Point	1168770	32386	38.0	6.86	930		35.8					87

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

70331 LAKEHATH RAF UK 74-87  
STATION STATION NAME YEARS MONTH

PAGE 1 ALL  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/65																		14	14																
64/63																		20	20																
62/61					.1	.1												44	44																
60/59			.0	.3	.1													114	114																
58/57		.1	.3	.5	.5	.3	.1											213	213																
56/55		.3	1.7	.9	.5	.1												321	321	122															
54/53		.5	1.7	1.0	.9	.2	.1											392	392	169	17														
52/51		.6	2.5	1.1	.7	.2	.1											413	413	317	16														
50/49		.9	2.4	1.5	.5	.3	.7											502	502	472	179														
48/47	.0	2.1	2.9	1.5	.9	.4	.0											1169	1169	603	44														
46/45	.0	5.2	5.6	2.9	1.6	.3	.7											810	811	798	393														
44/43	.0	3.4	4.7	2.3	.4	.1												1044	1044	833	714														
42/41		6.4	5.5	1.8	.3	.0												751	752	1065	671														
40/39	.1	5.4	3.5	1.2	.1													592	593	1070	709														
38/37	.0	3.4	3.5	.8														528	528	719	457														
36/35	.0	3.7	2.5	.8														220	221	741	746														
34/33	.0	1.4	1.2	.3														69	69	272	647														
32/31		.6	.4															71	71	274	610														
30/29		.9	.1															43	43	44	45														
28/27	.0	.3	.1															6	6	29	325														
26/25	.1	.1																			256														
24/23																					139														
22/21																					65														
20/19																					22														
18/17																					4														
16/15																																			
<b>TOTAL</b>		.435	.537	.816	.9	6.6	2.7	.5	.1	.0	.1							<b>7440</b>	<b>7440</b>	<b>7440</b>	<b>7440</b>														

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.					7440	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	41298237	545821	73.4	12.728	7440							744
Wet Bulb	14483725	328839	43.7	6.360	7440		18.9					749
Dew Point	12191485	298155	40.1	5.716	7440		58.9					749
	9616618	262600	35.3	6.839	7440		257.4					749

USAFETAC FORM 0-26-5 (D.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

120031 LAKENHEATH RAF UK 74-83 ADD  
 STATION STATION NAME YEARS MONTH

PAGE 1 0600-3200  
 HOURS (C. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
58/ 57			.7	.1	.2																											6	6			
58/ 55				.4	.2																												13	13	1	
54/ 53		.3	2.1	.2	.4																											28	28	7	1	
52/ 51		.7	2.4	.4	.1																											34	34	14		
50/ 49	.1	.8	2.8	1.2	.1																											46	46	38	12	
45/ 47	.7	1.9	2.3	.6	.3																											45	45	39	22	
46/ 45		8.7	8.4	1.4	.3																											164	164	55	33	
44/ 43	.1	4.9	9.4	3.7																												157	157	119	54	
42/ 41	.3	4.7	6.2	.7																												107	107	125	77	
41/ 39	.2	3.8	3.6	1.1	.2																											80	80	175	116	
38/ 37	.3	3.4	2.9	.2																												62	62	87	80	
36/ 35		4.4	4.2	.6																												83	83	71	141	
34/ 33		2.1	2.7	.3																												40	40	90	91	
32/ 31		2.3	.4																													22	22	48	71	
31/ 29		1.3																														9	9	34	70	
30/ 27	.1	.2	.1																													4	4	9	70	
26/ 25																																			2	34
24/ 23																																				13
22/ 21																																				6
21/ 19																																				6
20/ 17																																				3
TOTAL	1.4	39.2	47.4	10.8	1.9	.2																											900	900	930	
Element (X)	Σ X <sup>2</sup>	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature											Total																			
Rel. Hum.	5475851	69239	76.9	9.359	900	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb	1456025	38267	42.5	5.675	900		3.5																												90	
Wet Bulb	1434189	35601	39.6	5.371	900		9.3																												90	
Dew Point	1177607	32075	35.6	6.168	900		27.3																												90	

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 75931 LAKENHEATH RAF UK STATION NAME: LAKENHEATH RAF UK YEARS: 74-83 MONTH: APR  
 PAGE 1 7399-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
58/ 57			.3																														3	3		
56/ 55		.1	.3	.4																													8	8		
54/ 53			1.9	.3	.1																												21	21	4	
52/ 51		.1	1.2	.1																													19	19	8	
51/ 49		.7	1.2																														17	17	24	
48/ 47		2.1	2.4	.3	.1																												44	44	31	
46/ 45	.1	7.2	7.4	1.8	.1																												150	150	58	
44/ 43		5.9	7.6	2.2																													168	168	73	
42/ 41	.4	6.4	8.7	.2																													136	136	122	
41/ 39	.6	4.8	3.7	.6																													80	80	197	
38/ 37	.7	3.1	3.6	.6																													71	71	102	
36/ 35	.1	4.3	3.2	.8																													76	76	60	
34/ 33	.1	3.9	1.8	.1																													53	53	100	
32/ 31		1.6	.2	.2																													18	18	62	
31/ 29		2.4	.1																														23	23	30	
28/ 27		1.1																															10	10	19	
26/ 25		.3																															3	3	7	
24/ 23																																				
22/ 21																																				
20/ 19																																				
18/ 17																																				
16/ 15																																				
TOTAL	2.1	44.0	46.0	7.7	.3																												900	900	900	

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	5616371	70659	78.5	8.757	900	< 67 F	< 73 F	< 80 F	< 89 F	Total	
Dry Bulb	1570719	37259	31.8	5.609	900		5.9				9.0
Wet Bulb	1375068	30846	38.7	5.368	900		12.3				9.0
Dew Point	1192530	31582	35.1	6.178	900		30.0				9.0

FORM 0-26-5 (OL A) REVISION 10-67  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

155231 STATION LAKENHEATH RAF UK STATION NAME 74-83 YEARS APP MONTH

PAGE 1 3000 0800 0800 0800

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/ 59					.1													1	1																
58/ 57			.3	.3	.1													7	7																
56/ 55		.2	.4	.4	.1													9	9																
54/ 53		.1	1.9	1.6	.1													36	36	5															
52/ 51		.1	2.8	.6	.1													32	33	9	9														
50/ 49		.7	4.0	.2	.1													45	45	35	3														
48/ 47	.2	2.0	3.1	1.4	.2													71	71	57	14														
46/ 45	.1	7.7	1.1	3.9	.3	.1												208	201	96	66														
44/ 43	.3	5.7	1.7	3.3	.1													175	175	99	73														
42/ 41	.1	4.7	4.9	1.2	.2													106	100	149	94														
40/ 39	.2	4.5	3.2	.4														75	75	167	114														
38/ 37	.4	2.4	2.0															44	44	93	105														
36/ 35		3.7	2.2	.6														52	52	62	109														
34/ 33	.1	1.2	1.2	.1														28	28	73	96														
32/ 31		1.4	.2															15	15	76	65														
30/ 29		.6	.1															6	6	23	68														
28/ 27		.2																2	2	3	61														
26/ 25																				1	13														
24/ 23																					12														
22/ 21																					7														
20/ 19																					3														
18/ 17																					1														
TOTAL	1.5	36.1	106.2	14.5	1.6	.1												888	870	888	898														

FORM 44  
 0-26-5 (O.L.A.)  
 AIR WEATHER SERVICE/MAC  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFC WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

025831 LAKENHEATH RAF UK 74-83 APR 1980-1100  
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
76/ 75																																	1	1			
72/ 71																																		1	1		
71/ 69																																		1	1		
66/ 65																																		6	6		
64/ 63																																		11	11		
62/ 61																																		11	11		
60/ 59																																		19	19		1
58/ 57																																		46	46		2
56/ 55																																		57	57		12
54/ 53																																		87	87		23
52/ 51																																		93	93		32
50/ 49																																		103	103		65
48/ 47																																		115	115		118
46/ 45																																		124	124		134
44/ 43																																		65	65		112
42/ 41																																		44	44		137
40/ 39																																		26	26		119
38/ 37																																		13	13		72
36/ 35																																		6	6		29
34/ 33																																		1	1		12
32/ 31																																					2
30/ 29																																					
28/ 27																																					
26/ 25																																					
22/ 21																																					
21/ 19																																					
TOTAL																																					

Element (X)	ΣH'	ΣH	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4078672	59986	66.1	12.7	900	0 F	0 F	0 F	0 F	0 F	0 F	Total
Dry Bulb	2203771	44233	49.1	5.759	900							90
Wet Bulb	1759529	39561	44.0	4.782	900							90
Dew Point	1319122	34036	37.8	5.962	900							90

USAFETAC FORM 0-26-5 (OL A) 1-68 (REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAO

# PSYCHROMETRIC SUMMARY

035931 LAKENHEATH RAF UK 74-83 YEARS ARE MONTH

PAGE 1 1200-1800  
MOON (L. P. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL O.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb
78/ 77																	2	3	
76/ 75																	1	1	
75/ 71																	3	3	
70/ 69																	8	8	
68/ 67																	10	10	
66/ 65																	6	6	
64/ 63																	26	26	
62/ 61																	39	39	
60/ 59																	60	60	1
56/ 57																	67	67	0
56/ 55																	77	77	2
54/ 53																	107	107	1
52/ 51																	113	113	63
50/ 49																	97	97	106
48/ 47																	74	74	109
46/ 45																	126	126	135
44/ 43																	52	52	121
42/ 41																	17	17	114
40/ 39																	11	11	90
38/ 37																	5	5	57
36/ 35																	3	3	19
34/ 33																			5
32/ 31																			52
30/ 29																			60
28/ 27																			54
26/ 25																			10
24/ 23																			9
22/ 21																			6
20/ 19																			4
18/ 17																			1
16/ 15																			1
TOTAL																	900	900	900

Element (R)	Z <sub>1</sub>	Z <sub>2</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3276258	52906	58.8	3.587	900	≤ 6 F	≤ 22 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 93 F	
Dry Bulb	2480693	86895	52.1	6.833	900			2.0	3			90
Wet Bulb	1870238	40778	45.3	5.057	900							90
Dew Point	1296676	33656	37.8	6.509	900		2.1	5				90

USAFETAC FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

035831 STATION LAKENHEATH RAF UK STATION NAME 74-83 YEARS 1980-1980 MONTH APR

PAGE 1 1800-2760

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																			
68/ 67									.1																								1	1					
66/ 65									.1																								1	1					
64/ 63				.1	.2	.3	.3	.1																									10	10					
62/ 61			.1	.2	.6	.2	.2																										12	12					
60/ 59			.1	.9	1.3	.4	.1																										26	26					
58/ 57			.1	2.0	1.3	.6	.4																										40	40	2				
56/ 55		.2	.6	2.2	.9	.9	.2																											44	44	6			
54/ 53		.4	1.2	2.8	1.8	.9	.3																												67	67	24		
52/ 51		.1	3.8	2.0	2.0	.9	.1																												80	80	42		
50/ 49		.4	4.0	2.3	.2	.8																													76	76	62		
48/ 47	.1	1.7	3.1	2.7	2.7	.6																													97	97	96		
46/ 45	.2	3.2	9.7	6.7	3.7	.6																													210	210	101		
44/ 43	.1	.8	3.8	5.2	.7	.2																													97	97	115		
42/ 41		.9	3.7	2.1	.4																														64	64	135		
40/ 39		1.8	1.4	.7	.3																														38	38	124		
38/ 37		1.8	.7	.2																															24	24	104		
36/ 35		1.1	.1																																11	11	52		
34/ 33		.2																																	2	2	32		
32/ 31																																				5	5	74	
30/ 29																																							81
28/ 27																																							46
26/ 25																																						21	
24/ 23																																							11
22/ 21																																						5	
20/ 19																																						7	
TOTAL		812	782	380	116	1	6	2	1	8	.1	.2																								900	900	900	
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>	No. Obs.	Mean No. of Hours with Temperature											Total																					
Rel. Hum.	8077708	59868	66	112	888	900	≥ 67 F	≥ 68 F	≥ 69 F	≥ 70 F	≥ 71 F	≥ 72 F	≥ 73 F	≥ 74 F	≥ 75 F	≥ 76 F	≥ 77 F	≥ 78 F	≥ 79 F	≥ 80 F	≥ 81 F	≥ 82 F	≥ 83 F	≥ 84 F	≥ 85 F	≥ 86 F	≥ 87 F	≥ 88 F	≥ 89 F	≥ 90 F	≥ 91 F	≥ 92 F	≥ 93 F	≥ 94 F	≥ 95 F	Total			
Dry Bulb	2103801	81183	88	0	5	951	900																															900	
Wet Bulb	1681698	38628	82	9	5	138	900																															900	
Dew Point	1289172	33026	74	7	4	836	900																														900		

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

036831 LAKENHEATH PAF JK 74-87 APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.S./W.S.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	31	Dry Bulb	Wet Bulb
57/ 61					.1												1	1		
57/ 59				.1	.1	.2											4	4		
56/ 57		.1	.1	.8	.7	.1											12	12		
56/ 55			.3	1.8	.2												23	23		
54/ 53		1.0	1.6	1.7	.2												34	34	3	
52/ 51		.1	2.6	1.2	.3	.3											41	41	25	
50/ 49		.3	2.9	1.3	.7	.1											48	48	37	
48/ 47		2.7	3.2	1.3	1.7												77	77	53	
47/ 45		4.9	2.2	2.9	1.7												189	189	80	
44/ 43		3.8	9.2	5.7	.3												165	165	97	
42/ 41		2.1	7.3	1.2													96	96	153	
40/ 39	.2	2.6	4.6	.9	.2												76	76	152	
38/ 37		2.2	4.3	.7													65	65	105	
36/ 35		2.7	1.4	.4													41	41	74	
34/ 33		2.7	.6	.1													24	24	89	
32/ 31		.3	.1														4	4	27	
31/ 29		.1															1	1	8	
28/ 27																			1	
26/ 25																			19	
24/ 23																			3	
22/ 21																			3	
20/ 19																			9	
18/ 17																			2	
TOTAL	.224	.950	.618	.8	4.7	.8												899	899	899

FORM 0-26-3 (OL A) REVISION 10-64  
 USAFETAC

Element (R)	Σ <sub>1</sub>	Σ <sub>2</sub>	I	C <sub>1</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
Ref. Num.	4954003	44025	73.500	247	899	0 F	30 F	60 F	70 F	80 F	90 F
Dry Bulb	1779030	39690	44.1	5.958	899						90
Wet Bulb	1502319	36467	40.4	5.269	899		3.8				90
Dew Point	1198174	32364	36.0	4.058	899		27.8				90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

75831 LAKENHEATH RAF UK 74-83 APR MONTH

PAGE 1 HOURS (C. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.S./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
77/ 77																																3	3			
76/ 75																																2	2			
74/ 73																																1	1			
72/ 71																																7	7			
70/ 69																																17	10			
68/ 67																																16	16			
66/ 65																																26	26			
64/ 63																																73	73			
62/ 61																																107	107			
60/ 59																																175	175	5		
58/ 57																																246	246	21		
56/ 55																																298	298	70	4	
54/ 53																																476	476	169	7	
52/ 51																																517	510	236	30	
50/ 49																																509	509	506	69	
48/ 47																																620	620	610	146	
46/ 45																																1369	1370	776	514	
44/ 43																																919	919	842	553	
42/ 41																																597	587	1053	682	
40/ 39																																808	808	1114	800	
38/ 37																																290	290	683	737	
36/ 35																																276	276	392	558	
34/ 33																																149	149	412	757	
32/ 31																																59	59	170	513	
30/ 29																																39	39	95	581	
28/ 27																																16	16	22	468	
26/ 25																																3	3	10	170	
24/ 23																																			1	93
22/ 21																																			52	
20/ 19																																			42	
18/ 17																																			11	
16/ 15																																			2	
14/ 13																																			1	

Element (X)	$\Sigma H^+$	$\Sigma H$	$\Sigma$	$\sigma_a$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

STATION 10831 LAKEHEATH RAF UK STATION NAME 74-83 YEARS MAY MONTH

PAGE 1 1000-8236  
 (FORM 1, 1-73)

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														
47/ 61	.1			.2															3	3	1	1													
50/ 59	.2		.4																5	5	2	2													
58/ 57		.2	1.7	.4	.2														15	15	1	1													
56/ 55		.8	3.5	.5	.2														42	42	8	8													
54/ 53		1.7	5.4	1.5	1.4														92	82	19	9													
52/ 51	.1	2.0	9.2	1.7	.1	.1													111	111	49	23													
51/ 49	.1	3.6	6.1	.8	.2														91	91	63	33													
48/ 47	.1	9.8	5.1	1.7															134	134	145	53													
46/ 45	.1	11.8	8.2	1.7	.1														178	178	176	148													
44/ 43		3.1	2.0	.6															46	46	108	138													
42/ 41		1.8	2.5	.2															38	38	94	110													
40/ 39	.1	2.3	.6																23	23	45	101													
38/ 37	.2	1.3	1.5																26	26	39	59													
37/ 35	.2	1.4	1.7																28	28	21	60													
34/ 33		.8	.7																13	13	27	29													
32/ 31		.2																		2	19	16													
31/ 29		.1																	1	1	3	21													
28/ 27																						24													
26/ 25																						6													
24/ 23																						1													
TOTAL	1.4	7.0	8.2	7.9	2.4	.1													840	840	840	840													
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	° <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	5357896	66676	79.4	8.830	880	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb	1917770	39872	87.5	5.878	880							93																							
Wet Bulb	1690168	37838	88.6	5.115	880							93																							
Dew Point	1859845	38678	81.3	6.782	880							93																							

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

075931 LAKENHEATH RAF UK 74-83 MAY  
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
59	.1																	1	1	1	
57	.2	.3	.2															7	7	2	
55		.3	.2															71	21	3	
53		.8	4.3	.5	.5													52	53	5	
51		2.5	6.2	1.2	.2													87	87	40	
49		2.1	6.1	.5														75	75	75	
47	.2	1.4	5.8	1.2														161	161	170	
45	.3	1.1	8.7	.6														225	225	209	151
43	.2	3.3	5.7	.2														76	76	130	163
41		3.1	1.7	.2														44	44	91	137
39		2.2	.6															24	24	65	92
37	.2	2.5	1.2															34	34	35	74
35	.5	1.6	1.2															28	28	35	57
33		1.3	1.5															24	24	33	37
31		.5																4	4	72	14
29		.1																1	1	8	16
27	.3																	3	3	4	30
25																					12
23																					5
TOTAL	2.2	4.0	3.4	3.6	4.2	.8												867	867	867	867

Element (X)	Z <sub>1</sub> '	Z <sub>2</sub>	X	C <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature	Total
Rel. Hum.	5801111	70563	81.8	8.195	867	± 0 F ± 32 F ± 67 F ± 73 F ± 80 F ± 93 F	93
Dry Bulb	1869679	39294	46.1	5.350	867		93
Wet Bulb	1671105	37805	43.6	5.113	867		93
Dew Point	1462616	35249	40.7	5.717	867		93

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

125831 STATION LAKENHEATH RAF UK STATION NAME 74-63 YEARS MAY MONTH

PAGE 1 OF 0870

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
77 / 69						.2												2	2		
66 / 65				.1	.1	.2												4	4		
64 / 63				.5	.7	.7	.1											12	12		
62 / 61			.3	.2	1.7	.2												16	16		
60 / 59			.9	1.7	.9	.7	.3											20	20		2
58 / 57			.4	1.6	2.4	1.7	.5											62	62		12
56 / 55			.5	2.7	4.7	1.7	.1											77	77		18
54 / 53			1.7	4.6	4.7	1.7												113	113		48
52 / 51	.1	1.5	1.7	2.3	.7													143	143		86
50 / 49	.1	2.8	8.8	1.7	.2													119	119		157
48 / 47		7.9	3.6	1.7	.1													116	116		277
46 / 45	.1	6.6	5.9	.9	.2													126	126		173
44 / 43	.1	1.5	2.2	.4														39	39		71
42 / 41		1.2	1.3															23	23		42
40 / 39	.1	.9	.7															15	15		42
38 / 37		.3	.5															8	8		19
36 / 35		.0	.7															11	11		33
34 / 33		.2																2	2		15
32 / 31																					2
30 / 29		.1																1	1		12
28 / 27																					9
26 / 25																					1
TOTAL	.5	27.1	44.1	118.7	7.3	1.8	.4											919	919	919	916

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	I	°s	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5390799	69711	75.9	586	919							
Dry Bulb	2373815	86833	50.5	5.899	919		1	2				91
Wet Bulb	2029899	82981	86.8	4.580	919		3					93
Dew Point	1717931	10863	82.9	5.082	919		1					93

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC JUN 64

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

079831 LAKENHEATH RAF UK STATION NAME

74-83 YEARS

MAY MONTH

PAGE 1 1900-11-0  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
76/ 77																																	1	1		
76/ 75								.1		.3																							4	4		
74/ 73								.1	.3																								6	6		
72/ 71								.1	.3	.1																							7	7		
71/ 69								.1	.3	.3									.1														15	15		
69/ 67								.1	.3	.4										.5													16	18		
67/ 65					.1			.1	.4	1.4										.1													12	12		
64/ 63					1.7	1.9	2.6	.9	1.1	.3																							77	77	6	
62/ 61			.9	1.7	1.1	1.4	1.1	.7																									76	76	12	
60/ 59			1.2	1.9	3.6	2.4	1.1	.2																									94	94	17	
57/ 57		.4	1.2	5.1	4.2	2.5	.1	.1																									125	125	45	
56/ 55		.4	1.4	3.8	1.7	1.1	.2																										80	80	16	
54/ 52		.7	3.5	4.1	1.9	.3	.2																										99	99	10	
52/ 51		1.1	5.6	2.1	1.1	.7																											96	96	12	
50/ 49		.4	3.9	2.7	.4	.2																											70	71	12	
49/ 47		2.9	1.6	2.1	.7	.1																											68	68	10	
46/ 45		1.1	1.2	1.4	.9																												40	41	24	
44/ 43			.5	.2																													5	5	12	
42/ 41		.1	.2																														3	3	12	
41/ 39		.7																															2	1	12	
38/ 37																																				
36/ 35																																				
34/ 33																																				
32/ 31																																				
30/ 29																																				
28/ 27																																				
26/ 25																																				
TOTAL		7.32	0.92	26.92	7.5	13.7	6.5	3.5	1.3	.1																							918	918	90	

Element (X)	ΣX'	ΣX	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3845374	58257	63.2	13.797	918	≤ 0 F	1-32 F	33-47 F	48-62 F	63-77 F	≥ 78 F	93
Dry Bulb	2941594	51636	56.2	6.365	918			2	1.1			93
Wet Bulb	2291794	45658	49.7	4.778	918							93
Dew Point	1749518	39704	43.3	5.935	918		9					93

USAFETAC FORM 0-26-5 (OL AI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 07831 LAKEHEATH RAF UK STATION NAME 74-83 YEARS MAY

PAGE 1 1200-14-0  
MOON (L. S. Y. T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
87/ 81																																	1	1	
86/ 79																																	2	2	
78/ 77																																	8	8	
76/ 75																																	10	10	
74/ 73																																	22	22	
72/ 71																																	21	21	
70/ 69																																	27	27	
68/ 67																																	27	27	
66/ 65																																	50	50	
64/ 63																																	112	112	13
62/ 61																																	77	77	20
60/ 59																																	102	102	31
58/ 57																																	106	106	55
56/ 55																																	77	77	87
54/ 53																																	60	60	117
52/ 51																																	70	70	116
50/ 49																																	49	49	171
48/ 47																																	40	40	187
46/ 45																																	13	13	84
44/ 43																																	3	3	28
42/ 41																																	1	1	28
40/ 39																																			20
38/ 37																																			1
36/ 35																																			
34/ 33																																			
32/ 31																																			
30/ 29																																			
28/ 27																																			
26/ 25																																			
24/ 23																																			
TOTAL																																			

FORM 0-20-5 (O. A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3218868	52568	57.718	0.85	018	≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≤ 92 F	
Dry Bulb	3225767	58032	58.97	0.86	018			12.0	8.4	1		03
Wet Bulb	2391352	46620	50.88	0.985	018							03
Dew Point	1721853	30307	42.8	0.56	018		7.8					02

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION: LAKENHEATH RAF UK STATION NAME: LAKENHEATH RAF UK YEARS: 74-83 MONTH: MAY  
PART 1 1500-1700 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																		
77/76																																	4	4				
76/77																																	11	11				
76/75																																	8	8				
74/73																																	13	13				
77/71																																	18	18				
77/69																																	26	26				
77/67																																	25	25				
76/65																																	56	56				
64/63																																	177	107	8			
67/61																																	91	91	16			
67/59																																	103	103	38 3			
58/57																																	105	105	52 4			
56/55																																	87	87	75 18			
50/53																																	64	64	114 24			
52/51																																	77	77	133 46			
57/49																																	63	63	165 41			
48/47																																	32	32	144 74			
46/45																																	24	24	97 178			
44/43																																	6	6	34 127			
42/41																																			29 106			
47/39																																	1	1	23 81			
73/37																																			2 56			
76/35																																				59		
54/33																																				27		
57/31																																				24		
57/29																																				21		
58/27																																				24		
56/25																																				4		
54/23																																				2		
TOTAL																																				918	918	918

Element (X)	2x'	2x	X	°s	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3217641	52543	57.2	15.143	918	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3291371	53821	58.6	7.077	918			10.6	3.6			93
Wet Bulb	2370578	46426	50.6	8.973	918							93
Dew Point	1701326	39072	42.6	6.866	918		7.6					83

Form 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
ATD WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

155571 LAKENHEATH RAF UK 74-83 YEARS MAY

PAGE 1 155571-3300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
71/ 77									.1																						1	1			
74/ 75									.1																						3	3			
74/ 73								.2	.3																					5	5				
72/ 71								.3	.4																					4	4				
71/ 69						.1	.4	.3	.3	.2																			11	11					
67/ 67					.4	.3	.3	.3	.2	.1																			13	13					
67/ 65			.1	.2	.4	.3	.3	.3	.3	.2																			24	24					
64/ 63	.1	.1		1.5	1.9	1.6	1.3	.7	.1																				67	67	8	2			
62/ 61		.1	.3	2.1	2.6	1.2	1.7	.7	.7																				69	69	10	1			
60/ 59			.4	2.1	3.1	1.7	1.3	.5																					77	77	14	1			
58/ 57		.3	1.7	2.3	2.6	2.6	.1	.1																					93	93	22	5			
56/ 55		.1	1.3	5.6	2.2	1.2	.8																						97	97	54	11			
54/ 53		.7	2.7	4.1	3.3	1.9	.2																						110	110	38	23			
52/ 51	.3	.5	4.3	2.7	1.7	.3																							96	96	102	35			
50/ 49		1.1	5.7	2.2	1.7	.1																							86	86	147	54			
48/ 47	.2	3.6	2.2	2.1	.8																								81	81	171	58			
46/ 45		1.4	2.9	1.1	1.2																								61	61	130	188			
44/ 43		.1	.4	.7																									11	11	21	126			
42/ 41		.4	.1	.2																									7	7	41	96			
40/ 39		.3																											3	3	26	95			
39/ 37	.1	.1																											2	2	14	66			
36/ 35																																	7		
34/ 33																																	4		
32/ 31																																	1		
30/ 29																																	11		
28/ 27																																	21		
26/ 25																																	5		
TOTAL		.8	8.9	22.1	26.8	21.1	10.3	6.5	2.6	.8																						918	918	918	

Element (X)	$\Sigma H'$	$\Sigma H$	$\Sigma R$	$\Sigma S$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1961620	50846	64	283	918	≥ 67 F	≥ 69 F	≥ 71 F	≥ 73 F	≥ 75 F	≥ 77 F	Total
Dry Bulb	2816138	50898	55	6463	918			3.7	0			0.3
Wet Bulb	2211143	48819	48	5005	918							0.3
Dew Point	1691955	38808	42	4188	918							0.3

USAFETAC FORM 0-26-5 (OLA) MISSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 75931 LAKENHEATH RAF UK YEAR: 74-87 DAY: \_\_\_\_\_  
 MONTH: \_\_\_\_\_  
 DATE: 2100-2700  
 HOURS (L. S. T.): \_\_\_\_\_

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb
67/65			.1		.7													4		
67/63				.7	.1	.1												10	10	
67/61	.2		.4	1.0	.2	.1												18	18	3
67/59		.2	1.1	.6	.1													24	24	3
67/57		.2	2.1	1.5	.7	.3												44	44	13
67/55		1.7	1.9	3.1	.2	.2												43	63	21
67/53		.6	4.9	5.2	2.1	.2												116	116	40
67/51	.3	1.2	7.4	3.1	.6	.1	.1											115	115	58
67/49		2.6	8.1	1.9	.4													112	112	119
67/47	.4	6.7	5.5	1.9	.1	.1												172	112	101
67/45		6.5	7.8	1.1	.7													139	139	179
67/43	.1	1.2	2.2	.6														37	37	86
67/41	.1	.6	2.2	.3														29	29	83
67/39	.1	1.3	1.2	.2														26	26	36
67/37	.2	1.1	.7															18	18	36
67/35		.2	.3															5	5	23
67/33			.1															1	1	13
67/31																				1
67/29																				14
67/27																				.1
67/25																				.6
TOTAL	1.6	23.3	45.9	21.5	6.3	1.3	.1											893	893	893

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						≤ 67 F	≤ 72 F	≤ 77 F	≤ 82 F	≤ 87 F	≤ 92 F	
Dry Bulb	5151838	67190	75.20	0.396	893							93
Wet Bulb	2247673	48531	49.9	5.500	893							93
Dew Point	1923494	41210	46.1	4.937	893							93
	1613663	37615	42.1	5.726	893							93

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 71033 LAKENHEATH RAF UK YEARS: 74-83 MONTH: MAY  
 STATION NAME: LAKENHEATH RAF UK YEARS: 74-83 MONTH: MAY  
 PAGE: 1 HOURS (L. F. T.): 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
82/ 78																		1	1						
81/ 78																		6	6						
78/ 77																		21	21						
76/ 75																		25	25						
74/ 73																		46	46						
72/ 71																		53	53						
71/ 69																		81	81						
68/ 67																		83	83						
66/ 65																		170	170	1					
64/ 63																		386	386	74					
62/ 61																		357	357	62					
60/ 59																		436	436	108					
58/ 57																		554	554	212					
56/ 55																		588	588	56					
54/ 53																		726	726	167					
52/ 51																		804	804	263					
50/ 49																		662	662	323					
48/ 47																		764	764	513					
46/ 45																		806	806	1000					
44/ 43																		225	225	631					
42/ 41																		145	145	456					
40/ 39																		94	94	705					
38/ 37																		88	88	153					
36/ 35																		72	72	82					
34/ 33																		40	40	85					
32/ 31																		6	6	44					
30/ 29																		3	3	12					
28/ 27																		3	3	4					
26/ 25																				40					
24/ 23																				9					
TOTAL	.9	27.2	30.8	18.6	12.8	7.7	4.7	2.3	1.5	.4	.1							7191	7191	7191					

Element (X)	Z <sub>g</sub> '	Z <sub>g</sub>	X	W	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	35041143	496243	60.0	358	7191	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb	20593725	380817	53.0	7.703	7191			1.2	32.8	10.2	.1	704
Wet Bulb	16578083	382953	47.7	5.556	7191			6.2				704
Dew Point	13118327	308103	42.3	5.000	7191			48.2				704

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

# PSYCHROMETRIC SUMMARY

120931 LAKENHEATH RAF UK STATION NAME

73-87 YEARS

JUN MONTH

PAGE 1 0000-0200 HOURS U. S. T. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL O.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point						
77/69				.1	.1																2	2				
68/67				.2	.3																	5	5			
66/65				.4																		8	8			
64/63		.1	.1	.1	.1																	12	12			
62/61		.1	2.1	2.7	.2																	47	47		4	
60/59		1.4	5.2	2.1	.6	.1																69	84	16	3	
58/57		4.4	3.8	2.4	.9																	104	104	54	3	
56/55		5.4	5.2	3.7																		123	123	111	44	
54/53	.1	4.7	8.3	3.9	.7																	155	155	109	119	
52/52		4.2	7.6	2.7	.7																	127	127	147	89	
50/49	.1	3.2	4.6	1.1	.1																	82	82	158	111	
48/47		3.8	2.8	.8	.1																	67	67	118	112	
46/45		3.1	2.1	.3																		50	57	92	154	
44/43	.1	1.3	.6	.3																		21	21	49	91	
42/41		1.1	.7																			16	16	31	67	
40/39			.1																			1	1	16	44	
38/37																								3	29	
36/35																								1	13	
34/33																									12	
32/29																									2	
TOTAL		.333	.843	1.20	.4	3.7	.1																900	900	900	900

Element (X)	2g'	3g	F	°s	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5688135	71115	79.7	8.752	900	< 67 F	< 72 F	< 77 F	< 82 F	< 87 F	< 92 F	
Dry Bulb	2605453	48215	53.6	8.999	900							80
Wet Bulb	2280657	45201	53.2	8.659	900							90
Dew Point	2023899	42811	47.1	5.310	900							80

FORM 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

7-071 LAKENHEATH RAF UK 73-82 YEARS JAN MONTH

PAGE 106 106-0  
MOON (L. F. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																		
66/ 65				.7																													3	3				
64/ 63			.1	.3																													4	4				
62/ 61			.7	1.5	.1																												23	23				
60/ 59		1.1	2.4	.2																													40	40	4			
58/ 57		5.7	4.3	.9	.1																												99	99	73	4		
56/ 55		6.2	4.8	3.2																														178	128	83	22	
54/ 53		4.7	8.4	2.7																														138	138	109	86	
52/ 51	.2	5.9	8.2	1.7																														138	138	118	1-2	
50/ 49	.2	5.1	5.4	.8																														104	104	176	82	
48/ 47		5.3	3.2	.7																														83	83	142	121	
46/ 45	.1	5.4	2.4	.2																														74	74	172	166	
44/ 43		2.1	1.7	.1																														29	29	79	111	
42/ 41	.2	1.6	1.7																															28	28	28	65	
40/ 39		.6	.2																															7	7	19	65	
38/ 37		.1	.1																															2	2	15	19	
36/ 35																																					3	21
34/ 33																																					1	13
32/ 31																																					4	
30/ 29																																					1	1
28/ 27																																					1	1
TOTAL	.843	.843	.712	.2	.2																														900	900	900	900

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAETAC

Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.	5098239	73097	81.2	7.088	900	< 6 F	6-32 F	32-67 F	67-73 F	73-80 F	> 80 F	Total
Dry Bulb	2855601	86513	52.0	8.793	900							90
Wet Bulb	21912.6	48222	89.1	8.580	900							80
Dew Point	195863	81783	86.8	5.187	900							80

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

19851 LAKENHEATH RAF UK 73-87 YEARS MONTH

PAGE 1 0600-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
70/ 77																																	1	1				
74/ 75																																	1	1				
74/ 73																																	6	6				
77/ 71																																	6	6				
70/ 69																																	8	8				
68/ 67																																	8	8				
66/ 65																																	15	15	1			
64/ 63																																	70	70	11			
62/ 61																																	60	60	18			
62/ 59																																	105	105	37			
60/ 57																																	150	150	80			
54/ 55																																	156	156	110			
47/ 53																																	139	139	129			
52/ 51																																	89	89	168			
57/ 49																																	39	39	182			
48/ 47																																	30	30	133			
46/ 45																																	13	13	37			
44/ 43																																	3	3	22			
42/ 41																																	1	1	8			
41/ 39																																						
38/ 37																																						
36/ 35																																						
TOTAL																																				900	900	900

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	ΣX <sup>2</sup>	ΣX	X	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5100191	67197	79.6	8531	900	≤ 6 F	≤ 22 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2893142	50826	56.5	5.239	900			3.0	0.0			90
Wet Bulb	2461551	46911	52.1	4.270	900							90
Dew Point	2120952	43569	48.3	3.882	900							90

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: LAKENHEATH RAF UK YEARS: 73-82 MONTH: JUN  
 PAGE 1 0000-1163  
 HOURS (L. S. Y. T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																		
87																																1	1					
85																																2	2					
83																																3	3					
81																																8	8					
79																																10	10					
77																																14	14					
75																																12	12					
73																																19	19					
71																																26	26					
69																																41	41					
67																																49	49	17				
65																																64	64	16				
63																																151	151	31	1			
61																																126	126	42	13			
59																																145	145	72	22			
57																																95	95	145	33			
55																																69	69	131	72			
53																																39	39	151	98			
51																																17	17	172	114			
49																																3	3	88	76			
47																																1	1	63	96			
45																																2	2	20	163			
43																																		3	64	79		
41																																				79		
39																																	1	1	25			
37																																				19		
35																																				14		
33																																				13		
31																																				2		
29																																				1		
TOTAL	.2	3.6	11.6	22.9	28.4	17.4	9.1	4.0	1.9	.2	.6	.1																							900	900	900	900

FORM 0-26.5 (OL A) REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	363050	55281	61.8	2.655	900	≤ 67 F	≤ 73 F	≤ 79 F	≤ 85 F	≥ 91 F	
Dry Bulb	3535333	56793	62.3	6.632	900			18.5	6.0	2.3	00
Wet Bulb	2721887	49293	54.8	8.910	900			1.7			00
Dew Point	2132332	37888	42.3	5.871	900						00

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 075031 LAKENHEATH RAF UK YEARS: 77-80 MONTH: JUN  
 PAGE: 1200-1800  
 HOURS (L. S. T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
08/ 93													.1					1	1	
02/ 91																		2	2	
17/ 89												.1	.1					2	2	
18/ 87											.2	.3						5	5	
16/ 85											.1	.2	.2					5	5	
14/ 83											.4	.3						7	7	
07/ 81							.1	.6	1.0	.4	.1		.1	.2				23	23	
07/ 79							.1	.4	.1	.1								8	8	
78/ 77					.1	.1	.4	.7	.7	.2			.1	.1				18	18	
76/ 75					.6	.4	.9	.7	.1									23	23	
74/ 73			.7	.1	.7	1.4	2.2	1.2	.2									55	55	
72/ 71			.2	.2	1.9	2.9	1.5	.4										65	65	
70/ 69			.1	.1	1.1	3.4	2.2	1.4	.1	.1								77	77	10
68/ 67			.1	.1	1.1	1.9	.7	.7										41	41	18
66/ 65			.8	.8	1.9	2.8	2.6	.6	.7									101	101	31
64/ 63			.3	2.2	3.6	6.3	1.9	.8										136	136	22
62/ 61		.3	1.4	2.7	4.6	1.6	1.4	.1										173	173	76
60/ 59		.6	1.6	1.2	2.6	1.8	.7	.5										75	75	112
58/ 57		.6	1.6	3.1	2.1	1.6		.1										81	81	142
56/ 55		.7	.4	1.4	1.7	.2												37	37	124
54/ 53		.3	.3	.6	.6	.2												18	18	140
52/ 51		.3	.4	.1	.1													9	9	96
50/ 49		.1	.1	.1														3	3	65
48/ 47			.4															4	4	46
46/ 45			.1															1	1	95
44/ 43																		1	1	164
42/ 41																				55
40/ 39																				1
38/ 37																				63
36/ 35																				45
34/ 33																				21
32/ 31																				19
30/ 29																				12
28/ 27																				3
																				1
																				1

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

19831 LAKENHEATH RAF UK 73-82 YEARS JULY MONTH

PAGE 7 1200-1250  
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																
TOTAL	1.3	7.6	12.1	12.1	3.2	3.6	1.4	0.1	0.0	4.9	7.0	1.1	0.8	0.3	0.2																			0.00	0.00	0.00

Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	$\Sigma 6 F$	$\Sigma 32 F$	$\Sigma 67 F$	$\Sigma 73 F$	$\Sigma 80 F$	$\Sigma 93 F$																																
Dry Bulb	2892781	49657	55.2	17.282	900																																	
Wet Bulb	3901866	58876	65.4	7.502	900																																	
Dew Point	2883599	50381	56.0	5.098	900																																	
	2114006	83308	68.1	6.085	900																																	

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

1983 LAKEHURST RAF TX 73-82 YEARS MONTH

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															
91														.1																1	1					
89																								.1							1	1				
87																															1	1				
85																																1	1			
83																								.1								1	1			
81																									.1								1	1		
79																									.1								1	1		
77																									.1								1	1		
75																									.1								1	1		
73																									.1								1	1		
71																									.1								1	1		
69																									.1								1	1		
67																									.1								1	1		
65																									.1								1	1		
63																									.1								1	1		
61																									.1								1	1		
59																									.1								1	1		
57																									.1								1	1		
55																									.1								1	1		
53																									.1								1	1		
51																									.1								1	1		
49																									.1								1	1		
47																									.1								1	1		
45																									.1								1	1		
43																									.1								1	1		
41																									.1								1	1		
39																									.1								1	1		
37																									.1								1	1		
35																									.1								1	1		
33																									.1								1	1		
27																									.1								1	1		
TOTAL		5.4	11.4	12.3	6.2	2.1	7.9	8.7	4.4	2.0	.7	.7	.2	.1																						
Element (X)	Σ X'	Σ X	Σ X	Σ X	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.	3686.737	5599.7	62.2	33.4	900	= 8 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																								
Dry Bulb	3899.316	5578.6	62.2	6.7	900			19.2	6.1	1.5																										
Wet Bulb	2712.289	4912.3	58.6	8.8	900			.5																												
Dew Point	2126.313	4388.3	48.3	5.7	900																															

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

75577 LAKEHEATH PAF HK 73-82 YEARS 11/11 MONTH

PAGE 1 111 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																				
74/ 23																																		3	3					
82/ 31																																			7	7				
87/ 39																																			5	5				
88/ 27																																				7	7			
88/ 45																																				11	11			
89/ 23																																				14	14			
89/ 41																																				43	43			
89/ 79																																				33	33			
79/ 77																																				77	77			
76/ 75																																				98	98			
74/ 73																																				153	153			
70/ 71																																				191	191			
77/ 49																																				238	238	19		
88/ 67																																				227	227	55		
67/ 65																																				377	377	85		
47/ 63																																				708	708	141		
60/ 61																																				644	644	314		
62/ 59																																				746	746	444		
60/ 57																																				870	870	804		
66/ 55																																				773	773	940		
74/ 53																																				714	714	1029		
60/ 51																																				500	500	1033		
67/ 49																																				209	209	990		
60/ 47																																				214	214	645		
66/ 45																																				159	159	369		
69/ 43																																				64	64	184		
62/ 41																																				49	49	85		
60/ 39																																				9	9	37		
79/ 37																																				2	2	19		
76/ 35																																				2	2	8		
74/ 33																																				3	3	67		
72/ 31																																							14	
70/ 29																																								5
68/ 27																																								5
Element (X)	Z <sub>g</sub>	Z <sub>R</sub>	Z	e <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																												
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																												
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM NO. 44 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

70531 LAKENHEATH RAF UK 73-27 JUN  
STATION STATION NAME YEARS MONTH  
PAGE 1 ALL  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
TOTAL	215	724	921	314	410	46	3	7	1.7	0	0	0	0.1	0	0	0	0	7200	7200	7200	7200														

Element (X)	Z <sub>1</sub> <sup>1</sup>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 60 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	34795389	488527	67.975	132	7200							
Dry Bulb	25689447	426297	59.2	7.900	7200			111.7	96.1	11.8	3	720
Wet Bulb	20522437	382289	53.1	5.330	7200			7.4				720
Dew Point	16690172	344332	47.8	5.568	7200		2.8					720

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/TMAC

# PSYCHROMETRIC SUMMARY

1983 LAKENHEATH RAF UK 73-87 YEARS MONTHS

PAGE 1 00000000  
MOON (C. P. Y.)

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	C.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
37/ 31			.1															1	1																
37/ 54					.1													3	3																
37/ 67			.2	.4														6	6	2															
37/ 65		.2	.5	1.3	.2													71	21	21	1														
37/ 63	.1	.4	4.7	3.1	.3	.1												75	75	6	4														
37/ 61		2.4	5.2	4.1	.7	.1												114	114	21	6														
37/ 60		4.2	6.8	3.7	.6													134	134	78	17														
37/ 57		5.4	5.6	4.4	.5													146	146	143	58														
37/ 55		5.7	6.7	2.7														178	178	139	118														
37/ 53		4.1	7.7	2.7														128	128	142	143														
37/ 51		7.9	5.8															40	90	146	129														
37/ 49		2.1	2.8															45	45	176	114														
49/ 47		2.7	1.7															32	32	75	130														
46/ 45		1.2	.2															13	13	44	137														
44/ 43		.2																	2	9	40														
52/ 31																					27														
37/ 39																					2														
TOTAL	.23	646	527	3	2.2	.7												970	970	970	970														

Element (X)	Z <sub>g</sub> '	Z <sub>x</sub>	X	Y <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	6009760	74832	83.0	7.528	930	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3017670	52802	56.8	8.613	930			1.0				93
Wet Bulb	2669451	49669	53.4	8.287	930			.1				93
Dew Point	2603080	47088	50.6	8.555	930							93

USAFETAC FORM 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAO

### PSYCHROMETRIC SUMMARY

STATION: 3331      LAKENHEATH RAF UK      YEARS: 71-77      MONTH: JULI  
 PAGE: 1311-0540  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																					
67/62			.2																													2										
66/65		.1	.7																														1									
67/63		.6	1.7	2.7	.1																												48	44	1	1						
67/61		1.3	6.1	3.3	.1																												71	91	14							
67/60		3.7	6.3	1.1	.2																												105	105	40	21						
67/57		7.3	6.3	2.4	.1																												150	157	113	47						
67/55	.1	6.7	6.7	2.2																													151	151	134	97						
64/53	.1	4.8	6.8	1.3																													171	121	146	134						
62/51		3.6	6.7	.1																													68	98	150	134						
61/49		3.5	3.7																															57	67	120	93					
60/47		3.3	1.5																															45	45	119	116					
60/45	.1	3.9	.6																															43	43	59	172					
60/43		.9																																6	3	30	67					
62/41		.2																																	7	7	5	42				
62/36																																										
TOTAL		.341	.646	111.4	.5																																		930	937	937	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6304936	76338	82.1	6.462	937	$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	2945877	51263	55.1	4.653	937			2				93
Wet Bulb	2553146	48560	52.0	4.350	937							93
Dew Point	2320697	46261	49.7	4.586	937							93

USAFETAC FORM 34 0-26-5 (O. A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

STATION 142531 LAKENHEATH RAF UK STATION NAME 73-82 YEARS III MONTH III  
PAGE 1 HOURS (L. S. Y.) 2600-2800

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															
76/ 75					.1		.1											4	4																	
74/ 73						.1	.2											4	4																	
72/ 71				.1	.4	.2												8	8																	
70/ 69			.1	.5	.6	.5												16	16																	
68/ 67			.5	.3	.2	.2												17	17	1																
66/ 65			.8	2.3	.2	.1												37	37	7																
64/ 63		1.7	3.7	6.9	1.6	.2												124	124	19	5															
62/ 61		1.4	6.9	5.2	1.7													153	153	63	17															
60/ 59		2.8	6.2	4.7	1.4	.1												142	142	77	43															
58/ 57		3.8	7.5	4.8	.3													153	153	170	67															
56/ 55	.1	3.6	5.8	2.7														113	113	170	132															
54/ 53		2.3	6.1	1.0														67	67	152	133															
52/ 51		2.3	2.8															47	47	152	139															
50/ 49		.8	.8															14	14	105	117															
48/ 47		.6	.2															8	8	27	130															
46/ 45		.2																2	2	9	112															
44/ 43																					23															
42/ 41																					5															
TOTAL	.110	.442	.828	.5	7.7	1.5	.3	.7										929	929	929	929															
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Moon No. of Hours with Temperature					Total																									
Rel. Hum.	5585167	71582	77.1	8.658	929	= 6 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																								
Dry Bulb	3253852	58786	59.0	8.789	929			4.9	.8			93																								
Wet Bulb	2816847	51718	58.9	8.736	929			.1				93																								
Dew Point	2897278	88007	81.7	8.217	929							93																								

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFB WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

75931 LAMPHEATH RAF UK 73-87 JJJ  
 STATION STATION NAME YEARS MONTH

PAGE 1 1973-1977  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																
67/89																																	1	1		
65/87																							.1		.1								1	1		
64/85																																	1	1		
64/83																								.2									2	2		
77/81											.2	.2		.6	.2		.1								.1							15	15			
87/79											.1	.2	.2	.3	.3		.1								.1							17	17			
77/77											.4	.4	.4	.3	.4	.4		.1														17	17			
76/75											.2	.6	.6	.6	.6	.6		.1														22	22			
74/73											.3	.5	.5	.5	.5	.5		.2														31	31			
72/71											.1	.4	1.0	1.3	.8	.7																40	47			
71/69											.5	.9	1.0	2.3	1.3	.7																62	62	3		
67/67											.9	1.3	1.2	1.7	1.1	.2																78	79	19		
77/65											1.2	2.2	3.0	2.4	1.4																	107	107	46		
74/63											.5	2.2	7.5	7.1	5.1	.3																211	211	74	27	
77/61											.5	3.4	4.1	5.1	1.3																	134	134	53	32	
77/59											1.3	2.3	4.0	2.7	.1																	23	23	133	59	
76/57											.4	2.7	3.2	.3																		62	62	165	78	
56/55											.9	.9	.8	.7																		24	24	149	101	
74/53											.3	1.3	.4																			16	16	159	107	
52/51											.2	.1																				3	3	70	153	
57/49																																			77	103
42/47																																		2	113	
46/45																																				119
44/43																																				30
42/41																																				13
47/39																																				2
TOTAL											3.9	15.2	25.7	26.7	16.7	7.1	7.0	1.5	.9	.4	.4	.3										930	930	930	930	

Element (X)	Σ X'	Σ X	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3981337	59778	69.3	2.230	930	≤ 8 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	3938276	60264	64.8	5.975	930			28.0	10.0	2.6		93
Wet Bulb	3098323	53539	57.6	4.169	930			1.8				93
Dew Point	2531236	48304	51.9	4.903	930							93

FORM 0-26-5 (O.I.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 13331 LAKENHEATH PAF BK STATION NAME: 73-80 YEARS: III MONTH: III

PAGE: 1226-1400  
HOURS (L. P. Y.):           

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/ 93																		1	1								
77/ 91																		1	1								
77/ 89																		1	1								
76/ 87													.1					7	7								
76/ 85												.2	.1					7	7								
74/ 83									.1	.3	.1			.1				9	9								
77/ 81						.1	.1	.2	1.5	.9	.2		.2					71	31								
77/ 79					.1	.4	.3	.5	.4	.2	.1							29	29								
77/ 77					.1	.4	1.7	.6	.5	.2								29	29								
76/ 75			.1	.1	1.1	1.7	1.7	.9	.2									40	40								
74/ 73			.4	1.4	1.9	1.5	1.9	.9										70	70								
72/ 71			.6	2.3	3.7	1.5	.2											77	77	2							
70/ 69		.3	.6	2.3	3.9	4.2	.4	.1										112	112	7							
68/ 67		.5	2.3	2.0	2.0	.2	.1											68	68	22	1						
67/ 65		1.7	1.7	2.3	2.9	3.9												116	116	70	3						
64/ 63	.3	1.6	5.8	4.4	5.6	.5												170	170	60	13						
62/ 61	.6	.2	2.5	3.8	.5													71	71	122	25						
60/ 59	.3	1.7	1.5	1.7	.5													54	54	163	61						
58/ 57	.3	.5	1.7	.2														19	19	157	84						
56/ 55	.5	1.7	.8															21	21	131	67						
54/ 53	.2	.2	.1															5	5	118	110						
52/ 51																				44	123						
50/ 49																				13	107						
48/ 47																					106						
47/ 45																					135						
46/ 43																					49						
42/ 41																					19						
40/ 39																					4						
38/ 37																					2						
36/ 35																					1						
TOTAL	2.4	7.3	15.1	19.3	21.3	18.2	7.0	4.7	1.8	1.1	.5	.8	.3	.1	.1			929	929	929	929						

Element (X)	Z <sub>1</sub> '	Z <sub>2</sub>	X	n	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3197668	53067	57.1	3.420	929	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	4338315	63173	68.7	6.766	929			47.8	21.6	6.6	.1	93
Wet Bulb	3214856	54508	58.7	8.238	929			3.1				93
Dew Point	2485766	47818	51.5	5.176	929							93

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

70933 LAKENHEATH RAF UK 73-87 JUL  
STATION STATION NAME YEARS MONTH

PAGE 1 15°C-17°C  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																			
97/ 91																																1	1						
97/ 89																																	3	3					
98/ 97																																	4	4					
98/ 95																																	5	5					
94/ 83																																	9	9					
92/ 81																																	32	32					
87/ 79																																	28	28					
77/ 77																																	34	34					
78/ 75																																	59	59					
74/ 73																																	72	72					
72/ 71																																	81	81		1			
77/ 69																																	176	136	19				
69/ 67																																	65	65	71				
66/ 65																																	116	116	64	2			
64/ 63																																	154	154	62	19			
62/ 61																																	63	63	149	35			
67/ 59																																	53	53	152	42			
58/ 57																																	23	23	158	79			
56/ 55																																	18	18	132	108			
54/ 53																																	7	7	125	1.2			
52/ 51																																				41	136		
57/ 49																																			11	95			
48/ 47																																					93		
46/ 45																																					136		
44/ 43																																					52		
42/ 41																																					24		
47/ 39																																					4		
34/ 33																																					3		
TOTAL																																					930	930	930

Element (K)	Σ K'	Σ K	Σ	Σ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3187269	52517	56.5	3.975	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4393857	63612	68.8	6.787	930			49.9	24.7	6.9		93
Wet Bulb	3233124	54696	59.8	4.188	930			3.2				93
Dew Point	2487891	47849	51.5	5.298	930							93

FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFC WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

35031 LAKENHEATH RAF UK

77-80

YEARS

JUL  
MONTH

PAGE 1 1250 2190  
HOURS (L.T.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																			
86/ 85												.1	.1																										
82/ 81												.2	.2																										
87/ 79						.1		.3	.4	.1	.4	.1	.1																										
78/ 77						.3	.3	.4	.4	.1	.1	.1																											
76/ 75					.2	.9	1.	.8	.4	.4	.4	.4																											
74/ 73				.4	.2	1.1	1.6	.2	.5																														
72/ 71				.5	1.7	2.4	1.2	.7	.2																														
71/ 69		.1	1.2	2.2	2.9	1.2	1.	.7	.2																														
68/ 67		.9	.4	2.2	2.8	.2	.7	.2	.2																														
66/ 65	.3	.9	3.4	2.9	2.4	1.3	.7	.2	.2																														
64/ 63	.4	2.7	5.6	5.3	5.8	.2	.7	.2	.2																														
62/ 61	.3	3.3	3.9	4.7	1.2	.2	.7	.2	.2																														
60/ 59	1.5	1.9	3.1	2.5	.3	.7	.2	.2	.2																														
58/ 57	1.9	1.3	2.6	.2	.7	.2	.2	.2	.2																														
56/ 55	.9	2.1	1.7	.7	.2	.2	.2	.2	.2																														
54/ 53	.8	.2	.7	.2	.2	.2	.2	.2	.2																														
52/ 51	.2	.7	.2	.2	.2	.2	.2	.2	.2																														
50/ 49	.1	.2	.2	.2	.2	.2	.2	.2	.2																														
48/ 47																																							
46/ 45																																							
44/ 43																																							
42/ 41																																							
40/ 39																																							
36/ 35																																							
TOTAL		5.5	14.7	22.5	23.3	19.8	7.6	3.0	1.0	.5	.4	.4	.1																										

Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	Z	C <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	3921489	59031	63.5	2.006	930	+ 8 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	3969767	60509	65.1	5.986	930			31.7	33.6	1.4		93
Wet Bulb	3101761	53571	57.6	8.137	930			1.3				93
Dew Point	2517173	48161	51.8	8.927	930							93

2  
2  
USAFAETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

73-80 STATION LAKE MEATH RAF UK STATION NAME 73-80 YEARS ALL MONTH

PACC HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
50/ 57																																	1				
51/ 51																																		2			
52/ 50																																		5			
53/ 57																																		12	12		
54/ 55																																		15	15		
55/ 53																																		20	20		
56/ 51																																		44	24		
57/ 50																																		69	69		
58/ 57																																		100	100		
59/ 55																																		152	152		
60/ 53																																		229	229		
61/ 51																																		274	274		
62/ 57																																		397	197	71	
63/ 65																																		319	319	75	
64/ 63																																		575	575	276	
65/ 61																																		1105	1105	350	
66/ 59																																		886	886	629	
67/ 57																																		832	832	864	
68/ 55																																		751	751	1272	
69/ 53																																		589	589	1122	
70/ 51																																		459	459	1119	
71/ 49																																		260	260	815	
72/ 47																																		142	142	518	
73/ 45																																		90	90	254	
74/ 43																																		58	58	113	
75/ 41																																		10	10	44	
76/ 39																																		2	2	5	
77/ 37																																					
78/ 35																																					
79/ 33																																					
TOTAL																																			7438	7438	7438

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total			
Rel. Hum.	37373276	516030	62.4	4.541	7438	= 67 F	= 72 F	= 80 F	= 93 F		Total			
Dry Bulb	2078987	461797	62.1	7.368	7438					167.9	68.9	17.5	.1	744
Wet Bulb	23512147	416675	56.7	8.783	7438					9.9				744
Dew Point	19706180	381152	51.2	8.888	7438					1				744

USAFETAC FORM 34 0-26-5 (OLA) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GENERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFAC

# PSYCHROMETRIC SUMMARY

STATION: 30001 LAKEHURST PAF JK STATION NAME: 73-80 YEARS: ALL  
 MONTH: ALL

PAGE: 1  
 HOURS (L. S. T.): 0000-2359

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																	
69					.1																												1	1			
67					.1																												1	1			
65			.1	.9	.1																												2	2			
63		1.5	2.5	2.3	.7																												62	62	3		
61		2.7	4.4	1.5	.1																												31	31	29	11	
59		3.4	6.2	.9	.5																												103	103	56	47	
57	.1	9.4	6.3	3.5	.4																												124	124	78	55	
55	.2	5.1	4.7	1.7																													102	102	147	106	
53	.1	3.1	4.3	1.1	.2																												57	57	115	117	
51	.2	4.9	4.7	.1	.3																												96	96	136	118	
49	.3	3.8	2.6	.3																													65	65	124	91	
47	.1	1.6	2.1	.4																													72	72	62	102	
45	.1	0.9	1.6	.3																													46	46	47	124	
43		.6	.7																														9	9	35	77	
41		.5	.4																														9	9	18	37	
39		.3																															3	3	14	25	
37																																		3	3	4	16
35																																					11
33																																				6	
31																																				3	
TOTAL	1.244	747	711	72.2																													930	930	930		

Element (X)	$\Sigma H^1$	$\Sigma H$	$\bar{H}$	$\sigma_H$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	6387623	76431	62.2	8.443	930							
Dry Bulb	2838193	51143	55.0	5.261	930							93
Wet Bulb	2598679	43461	52.1	5.18	930							93
Dew Point	211733	46133	49.6	5.574	930							93

FORM NO. 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

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

# PSYCHROMETRIC SUMMARY

STATION: LAKEHURST DAF W STATION NAME: YEARS: MONTH: PAGE: HOURS: 24

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			
77/77																																			
74/77																																			
72/77																																			
70/77																																			
67/77																																			
65/77																																			
62/77																																			
61/77																																			
59/77																																			
57/77																																			
55/77																																			
52/77																																			
51/77																																			
49/77																																			
47/77																																			
45/77																																			
44/77																																			
41/77																																			
39/77																																			
37/77																																			
35/77																																			
33/77																																			
TOTAL																																			

Element (K)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1154525	5449	58.1	5.713	93							93
Wet Bulb	2773011	5067	54.4	4.543	93							93
Dew Point	2481772	4780	51.4	5.097	93							93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAA

### PSYCHROMETRIC SUMMARY

STATION LAKENHEATH RAF MA  
 STATION NAME

73-87

YEARS

AUG  
 MONTH

PAGE 1 13 0-14 00  
 HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 65																					
71/ 66													.1								
72/ 67												.1	.1								
73/ 68								.1				.1	.1								
74/ 69							.1	.1				.1	.1								
75/ 70							.1	.1	.1			.1	.1								
76/ 71							.1	.1	.1	.1		.1	.1								
77/ 72							.1	.1	.1	.1	.1	.1	.1								
78/ 73							.1	.1	.1	.1	.1	.1	.1	.1							
79/ 74							.1	.1	.1	.1	.1	.1	.1	.1	.1						
80/ 75							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					
81/ 76							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				
82/ 77							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1			
83/ 78							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		
84/ 79							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
85/ 80							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
86/ 81							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
87/ 82							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
88/ 83							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
89/ 84							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
90/ 85							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
91/ 86							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
92/ 87							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
93/ 88							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
94/ 89							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
95/ 90							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
96/ 91							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
97/ 92							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
98/ 93							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
99/ 94							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
100/ 95							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
TOTAL	1.9	9.0	9.0	16.2	21.3	21.0	17.6	4.3	3.2	1.7	1.4	.2						93		93	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	3232767	51553	55.4	13.698	937	≥ 0 F	≥ 32 F	≥ 47 F	≥ 73 F	≥ 93 F	Total
Dry Bulb	444856	64747	68.9	6.458	937			51.7	25.0	6.5	93
Wet Bulb	3254987	54887	59.0	4.104	937			4.3			93
Dew Point	2486976	47836	51.4	5.337	937						93

USAFETAC FORM 0-26-5 (OL A) REVISED WITHOUT NOTICE OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 DPAFFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

170271 LAKENHEATH RAF UK 77-80 YEARS 15 10 17 10  
 STATION STATION NAME MONTH MONTH

PAGE 1 15 10 17 10  
 HOURS (L. T. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
89												.5						6	6																
87												.1	.2					3	3																
85												.1						4	4																
83													.1					15	15																
81						.1	.2	.7	1.1	.2	1.0	.3						32	32																
79						.2	.4	.4	.3	.8	.5	.1						25	25																
77						.4	.5	1.2	2.2	1.1	.1							51	51																
75					.8	.4	1.7	2.2	1.4	.1	.2							62	62																
73					.3	1.1	3.7	2.7	.9	.1								74	74																
71			.1	.4	1.2	2.6	3.4	3.1	.6									127	127																
69		.1	.4	.6	1.5	3.4	2.7	2.0	.1									122	122																
67			.4	.1	.7	2.2	2.7	.9										66	66	31															
65		.2	.8	1.2	1.9	1.8	3.9	.7										93	93	47	4														
63		.2	1.5	4.5	3.2	5.7	1.7	.1										162	162	83	24														
61		.4	2.4	1.7	1.9	1.2	.7											66	66	160	26														
59		.6	1.6	1.2	.5	.1												36	36	148	27														
57		1.2	.5	.4	.1													19	19	175	73														
55		.1	.2	.1	.2													5	5	172	109														
53		.1	.1															2	2	128	114														
51			.2															2	2	25	116														
49																					66														
47																					145														
45																					39														
43																					26														
41																					6														
39																					2														
37																					1														
35																																			
TOTAL		2.6	8.4	9.2	12.6	19.5	71.2	12.7	7.1	2.9	2.3	1.2	.2					930	930	930	930														

Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2955476	53694	58.5	8.382	930			58.5	27.0	7.2		93
Wet Bulb	4880577	68257	69.1	6.630	930			8.2				93
Dew Point	3285952	54810	58.9	8.111	930							93
	2455438	87528	51.1	5.387	930							93

USAFETAC FORM 0-26-5 (OL A) REVISED PERIODIC EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

# PSYCHROMETRIC SUMMARY

STATION 13531 LAKENHEATH PAF UK STATION NAME YEARS 77-87 MONTH AUG

PAGE 1 1977-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb
95																		1	1	
93																		1	1	
91																		6	6	
89																		6	6	
87																		13	13	
85																		25	25	
83																		45	45	
81																		41	41	
79																		75	75	1
77																		60	60	14
75																		118	118	40
73																		177	177	49
71																		140	140	102
69																		124	104	125
67																		63	63	183
65																		25	25	159
63																		15	15	146
61																		8	8	76
59																				22
57																				13
55																				1
53																				
51																				
49																				
47																				
45																				
43																				
41																				
39																				
37																				
TOTAL	4.1	17.7	21.0	23.4	18.1	8.9	4.1	1.0	.5	.7								930	930	930

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3912642	59124	63.6	12.87	930							
Dry Bulb	3912617	62977	67.7	5.842	930			28.7	10.5	1.3		93
Wet Bulb	3065021	53249	57.3	4.166	930			1.5				93
Dew Point	2483481	47927	51.5	5.071	930							93

USAFETAC FORM 0-26-3 (OL AI) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOPAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 07271 LAKENHEATH RAF UK STATION NAME 73-80 YEARS MONTH AUG

PAGE 1 7100-21-1  
 HOURS (L. F. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																		
76/ 75						.1	.1																											2				
74/ 73						.1																												2				
72/ 71					.2	.3																												7		7		
70/ 69			.5	.1	.4	.2	.2																										14		14			
67/ 67			1.0	.3	.1	.2	.1																										72		22	1		
66/ 65		.3	1.1	2.4	.2	.4																											46		46	11		
64/ 63		1.7	3.5	6.5	7.7	.5																											139		139	76	13	
62/ 61		1.1	5.9	4.5	3.0	.1																											135		135	55	17	
60/ 59		2.0	8.3	6.5	7.3																												174		174	73	42	
58/ 57		3.2	6.2	4.9	.2																												136		136	150	64	
56/ 55		2.4	5.7	2.8	.1																												102		102	153	86	
54/ 53	.1	.3	3.5	2.5	.5																												69		69	157	146	
52/ 51		.4	4.4	.3	.4																												52		52	172	134	
50/ 49		.6	.6	.3																													15		15	86	160	
48/ 47		.5	.7																														7		7	45	113	
46/ 45		.4	.4																														8		8	21	137	
44/ 43																																					6	43
42/ 41																																				4	14	
40/ 39																																					6	
38/ 37																																					10	
36/ 35																																					3	
TOTAL		.117	.441	.251	.311	.5	2.0			.4																									930		930	930

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total
Ref. Num.						$\geq 67 F$	$\geq 73 F$	$\geq 79 F$	$\geq 85 F$	$\geq 91 F$	
Dry Bulb	5291276	69618	74.9	0.260	930						
Wet Bulb	3269876	58958	59.1	0.835	930			0.7			93
Dew Point	2795762	50826	58.7	0.807	930			0.1			93
	2440150	47806	61.0	0.047	930						93

USAFETAC FORM 0-26-5 (O. L. A.) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

75231 LAKENHEATH PAF UK 73-82 AUG MONTH

PAGE 1 ALL HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb
88/ 81																		2		
87/ 80																		11		
86/ 79																		6		
85/ 78																		12		
84/ 77																		31		
83/ 76																		65		
82/ 75																		70		
81/ 74																		134		
80/ 73																		161		
79/ 72																		234		
78/ 71																		295		
77/ 70																		391		
76/ 69																		319		
75/ 68																		607		
74/ 67																		1124		
73/ 66																		871		
72/ 65																		807		
71/ 64																		741		
70/ 63																		494		
69/ 62																		367		
68/ 61																		287		
67/ 60																		168		
66/ 59																		132		
65/ 58																		87		
64/ 57																		15		
63/ 56																		16		
62/ 55																		3		
61/ 54																				
60/ 53																				
59/ 52																				
58/ 51																				
57/ 50																				
56/ 49																				
55/ 48																				
54/ 47																				
53/ 46																				
52/ 45																				
51/ 44																				
50/ 43																				
49/ 42																				
48/ 41																				
47/ 40																				
46/ 39																				
45/ 38																				
44/ 37																				
43/ 36																				
42/ 35																				
41/ 34																				
40/ 33																				
39/ 32																				
38/ 31																				
TOTAL																		7440	7440	7440

Element (X)	Σg'	Σg	Σ	Σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	37300878	514194	69.185	398	7440	≤ 6 F	≤ 20 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 92 F	
Dry Bulb	29123384	462708	62.1	7.635	7440			172.1	72.6	17.5		744
Wet Bulb	23493636	416367	56.0	5.056	7440			12.5				744
Dew Point	19624158	380086	51.1	5.272	7440							744

FORM 0-26-5 (OL A) REVISED THROUGH EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: LAKEHEATH RAF STATION NAME: LAKEHEATH RAF YEARS: 73-80 MONTH: EP  
 PAGE: 1 HOURS Y. S. Y. Y.

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														
50/65			.1															1	1																
52/67				.1		.1												2	2																
56/65			.7	.6														8	9	1															
54/63		.3	.2	.4	1.8	.7	.3											8.7	8.7																
57/61		1.4	3.1	1.9	.7	.1												6.2	6.7	11	1														
59/59		1.9	5.7	1.1	.7													20	20	43	11														
57/57		3.9	6.7	3.7	.6													17.1	12.1	74	79														
55/55		4.3	6.2	2.7	.7													17.2	12.2	86	61														
54/53		3.6	8.7	2.8	1.2													14.0	14.0	123	102														
52/51		2.2	5.6	.2	.6													7.5	7.5	176	112														
49/49		2.4	4.2		.1													6.2	6.2	122	97														
45/47	.1	4.1	3.2	.2	.1													7.0	7.3	96	98														
47/45	.1	4.0	2.0															1.5	5.5	75	139														
44/43		1.4	1.9															1.0	3.9	61	77														
47/41		.9	.4															1.2	1.2	27	69														
47/39		.7																.6	.6	21	46														
39/37		.5																.5	.5	7	28														
36/35																					16														
34/33																					9														
32/31																					4														
TOTAL		.231	.649	.714	.4	4.6	.6											898	898	898	898														

Element (K)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 6 F$	$\leq 22 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 92 F$	
Rel. Hum.	57385.2	71378	70.5	8.512	898							
Dry Bulb	2647498	8849.7	58.0	5.700	898							898
Wet Bulb	2330965	8550.7	50.7	5.268	898							898
Dew Point	2072189	82829	47.7	5.736	898							898

USAFETAC FORM 34 0-26-S (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 07831 LAKENHEATH RAF UK STATION NAME: 73-82 YEARS: SEP  
 MONTH: SEP

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point															
65			.2	.6																												7	7		
63			1.1	1.6																												24	24	1	
61			2.0	1.1	.7																										37	37	5		
59			3.0	2.9	.3	.3																									63	63	19		
57			4.3	5.7	1.1	.9																									108	108	65		
55	.1		5.2	6.3	1.6	.7																									125	125	67		
53	.3		4.8	7.6	.9	.5																									127	127	124		
51	.1		3.6	6.0	.2	.4																									93	93	128		
49			3.4	3.0	.2	.1																									63	63	108		
47			4.8	2.8	.9	.1																										76	76	112	
45			6.9	7.3	.7	.2																										90	90	38	
43	.1		2.9	1.1																												37	37	66	
41			2.6	.7																												29	29	49	
39			1.1	.1																												11	11	31	
37	.1		.3																													8	8	15	
35			.2																													2	2	8	
33																																			
31																																			
29																																			
TOTAL		.344	.342		8.9	4.0																											970	970	900

Element (X)	$\Sigma g'$	$\Sigma g$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6029683	73251	81.4	8.683	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2531033	47157	52.4	5.792	900							90
Wet Bulb	2231321	44547	49.5	5.418	900							90
Dew Point	2000755	42097	46.8	5.937	900							90

FORM 0-26-5 (OL A) REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

STATION 12971 LAKEWHEELER AFB OK YEARS 73-80 MONTH SEP

PAGE 1 HOURS (L. S. Y.) 2400

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
67/67			.1	.1														2	2		
66/65			.2	.3														6	6		
64/63		.4	2.1	2.6	.7	.1												50	51	2	
62/61		.6	4.2	1.6	.3	.2												66	66	13	4
60/59	.1	7.2	4.8	1.3	1.1	.1												96	96	31	19
58/57	.2	3.6	5.7	2.2	.3													108	108	95	44
56/55	.1	5.1	6.2	2.4	.4													129	129	97	60
54/53	.2	3.2	7.1	2.1	.8													118	118	117	84
52/51		2.9	6.6		.7													93	93	179	110
50/49		1.8	3.5	.1	.3													47	47	134	79
48/47	.7	4.7	2.4	.6	.1													72	72	96	102
46/45	.1	4.7	1.6	.1	.1													59	59	83	154
44/43		2.2	.3															23	23	50	59
42/41		1.7	.1															16	16	33	74
40/39		1.4																13	13	13	35
38/37		.3																3	3	14	22
36/35		.1																1	1	3	19
34/33																				1	6
32/31																					5
30/29																					1
TOTAL	1.	137	644	513	75	.6												800	800	800	899

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	F	°s	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5813857	71838	79.9	0.53	899	< 8 F	< 22 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Dry Bulb	2685358	88889	53.9	5.777	899							90
Wet Bulb	2335357	85572	53.7	5.299	899							90
Dew Point	2080077	82931	47.8	5.778	899							90

USAFETAC FORM 8-64 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFM WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 31 LAKENHEATH RAF UK YEARS: 72-80 SEP MONTH: 1980-1980  
 PAGE 1 HOURS (L. S. T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
76/75						.2	.2	.1																								8	9				
74/73							.1	.4																									8	8			
72/71								.6																									17	17			
70/69					.1	1.1	1.4	.3	.4																								31	31			
67/67					.2	1.9	1.2	.9	.1																								39	39			
67/65				1.4	2.7	2.3	1.3	.2	.1																								53	23	7		
67/63			.3	2.9	7.3	5.9	4.2	.9	.1																								191	191	13	1	
67/61	.1	1.1	2.2	4.8	3.7	1.2	.1																										118	118	55	8	
67/59	.1	.7	3.7	4.6	4.6	1.7																											131	131	110	34	
67/57		.8	2.2	5.3	1.6	.4																											104	104	144	65	
67/55		1.3	1.9	3.7	.7	.2																											62	62	146	79	
67/53		.6	3.2	1.4	.2																												49	49	130	88	
67/51		1.1	1.5	.7																													28	24	128	141	
67/49		1.3	.7																														19	19	96	87	
67/47		.7	.3																														9	9	77	113	
67/45		.4	.1																														5	5	17	155	
67/43		.2																															1	1	5	77	
67/41																																					43
67/39																																					13
67/35																																					3
67/33																																					1
TOTAL	.2	2.0	2.7	3.1	2.2	2.1	1.9	4.7	1.7	.2																								900	900	900	900

USAFETAC FORM 54 0-26-5 (O.L.A.) REPRODUCED BY AUTHORITY OF THE JOCS AND COMBATT

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 12531 LAKENHEATH RAF UK STATION NAME: 73-20 YEARS: SEP MONTH: SEP

PAGE: 1 HOURS (L. S. T.): 17-18-19

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/ 51																					3	3		
67/ 72																					4	4		
70/ 77																					13	13		
70/ 75																					13	13		
74/ 73																					42	42		
77/ 71																					43	43		
77/ 69																					74	74		
66/ 67																					64	64	6	
77/ 65																					113	113	14	
74/ 63																					143	143	48	5
77/ 61																					109	109	93	8
77/ 59																					82	82	119	32
79/ 57																					57	57	130	52
80/ 55																					37	37	143	83
74/ 53																					19	19	166	87
72/ 51																					8	8	92	115
71/ 49																					1	1	59	56
48/ 47																					1	1	25	13
46/ 45																							5	149
44/ 43																							1	71
42/ 41																								61
40/ 39																								39
38/ 37																								13
36/ 35																								4
34/ 33																								2
TOTAL		3.7	8.7	15.8	19.9	27.9	16.5	4.8	2.7	.8												809	809	809

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3224335	52623	58.5	7.665	899	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	
Dry Bulb	3774881	58725	68.5	5.753	899			28.9	9.2	3		93
Wet Bulb	2448578	50454	56.1	4.348	899			6				93
Dew Point	2196010	48142	49.1	5.688	899							93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

19931 LAKELAND RAF UK 73-80 SEP  
STATION STATION NAME YEARS MONTH  
PAGE 1 1993-17 C  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL O.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	Dry Bulb	Wet Bulb	Dew Point																		
86/ 75																																		1	1			
84/ 83																																		1	1			
82/ 81																																		5	5			
80/ 79																																		4	4			
78/ 77																																		13	13			
76/ 75																																		22	22			
74/ 73																																		39	39			
72/ 71																																		59	59			
70/ 69																																		32	32			
68/ 67																																		59	59			
66/ 65																																		96	96	13		
64/ 63																																		160	160	43		
62/ 61																																		19	19	8		
60/ 59																																		97	97	23		
58/ 57																																		64	64	42		
56/ 55																																		73	73	78		
54/ 53																																		72	72	82		
52/ 51																																		11	11	103		
50/ 49																																		4	4	73		
48/ 47																																		3	3	17		
46/ 45																																			26	26	153	
44/ 43																																			3	3	82	
42/ 41																																				63	63	
40/ 39																																				24	24	
38/ 37																																				27	27	
36/ 35																																				9	9	
TOTAL																																			900	900	900	

Element (X)	Σx'	Σx	Σ	Σ <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3227327	52695	58.5	2.611	900							
Dry Bulb	3752432	57856	64.3	6.76	900			28.2	2.5			33
Wet Bulb	2830755	50327	55.9	4.568	900			1.0				9
Dew Point	2177753	43967	48.9	5.768	900							90

USAFETAC FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

1993 LAKENHEATH RAF UK 7-87  
 STATION NAME STATION YEARS MONTH

PAGE 1  
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 70																													1	1					
72/ 75																													2	2					
74/ 73																													6	6					
72/ 72																													6	6					
71/ 69																													27	27					
68/ 67																													25	25					
68/ 65																													63	63	5				
68/ 63																													127	127	14	6			
67/ 61																													106	106	79	1			
67/ 59																													133	133	27	1			
67/ 57																													117	117	11	28			
57/ 55																													63	63	124	6			
54/ 53																													67	67	147	93			
52/ 51																													46	46	119	114			
49/ 49																													21	21	176	79			
49/ 47																													27	27	66	10			
48/ 45																													12	12	74	149			
48/ 43																													2	2	10	13			
47/ 41																													1	1	6	21			
47/ 39																															1	25			
37/ 37																																2			
37/ 35																																2			
TOTAL		3	8	9	27	6	33	7	19	6	7	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1		900	877	900	890			

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	X <sub>1</sub>	X <sub>2</sub>	X	F <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4473150	42655	69.6	1.128	900							
Dry Bulb	3174381	53217	59.1	5.668	900			6.7	0	1		90
Wet Bulb	2608989	48275	53.6	8.466	900			1				90
Dew Point	2175767	43987	48.9	5.370	900							90

# PSYCHROMETRIC SUMMARY

CENTRAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20343  
 METEOROLOGICAL SERVICE-ZMAC

2

STATION LAKELAND AFB JK STATION NAME 73-PT YEARS 1 MONTH 5

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dea. P.																
50																																					
51																																					
52																																					
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96																																					
97																																					
98																																					
99																																					
100																																					
TOTAL																																					

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5329638	69198	76.9	0.388	900							
Dry Bulb	2797116	49236	55.5	5.424	900							
Wet Bulb	242518	46462	51.6	4.64	900							
Dew Point	2118614	43387	48.2	5.51	900							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

# PSYCHROMETRIC SUMMARY

STATION 140001 LAKENHEATH RPT. MA 73-60 YEARS 15 MONTH

PAGE 1 HOURS (G. S. T.) ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb Dew Point																			
83/ 95																																	1	1				
82/ 93																																		1	1			
81/ 91																																		0	3			
80/ 89																																		9	9			
79/ 87																																		24	24			
78/ 85																																		42	62			
77/ 83																																		65	95			
76/ 81																																		172	122			
75/ 79																																		217	217			
74/ 77																																		211	211			
73/ 75																																		375	755			
72/ 73																																		921	841			
71/ 71																																		711	711			
70/ 69																																		724	724			
69/ 67																																		804	804			
68/ 65																																		743	743			
67/ 63																																		643	643			
66/ 61																																		424	424			
65/ 59																																		243	243			
64/ 57																																		315	315			
63/ 55																																		255	255			
62/ 53																																		106	106			
61/ 51																																		69	69			
60/ 49																																		32	32			
59/ 47																																		16	16			
58/ 45																																		3	3			
57/ 43																																						
56/ 41																																						
55/ 39																																						
54/ 37																																						
53/ 35																																						
52/ 33																																						
51/ 31																																						
50/ 29																																						
TOTAL		42	137	519	612	9	9	2	5	7	1	4	7	7	7	7																				7196	7196	

Element (X)	Z <sub>g</sub>	Z <sub>w</sub>	X	F <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 60 F	≤ 62 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.	33233581	514287	71.6	3.761	7196							720
Dry Bulb	24649919	417927	58.1	7.267	7196			75.2	20.2	3.1		720
Wet Bulb	20332644	383576	52.9	5.434	7196			1.9				720
Dew Point	17079266	348186	48.4	5.677	7196		1.8					720

FORM NO. 0-26.5 (O-L-A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE ZHAC

# PSYCHROMETRIC SUMMARY

STATION: LAKEHURST AFB TX STATION NAME: 73-80 YEARS: OCT MONTH: 1952  
PAGE: 1 OF 1 HOURS (L.S.T.): 937

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb		Dew Point		
33			.7																4	4			
34			.8																21	21	7		
35			1.5																47	47	25	12	
36		.4	1.5																50	67	33	17	
37		4.2	5.7		.4														172	172	54	50	
38		5.2	4.7		.4		.1												100	107	69	59	
39		5.5	3.7		.7														92	92	103	74	
40		5.2	3.7		.3														98	98	69	94	
41		9.5	5.7		.1														149	140	97	100	
42		5.5	3.5		.1														77	87	123	97	
43		4.7	2.7		.1														57	57	94	100	
44		2.7	1.7																77	77	66	94	
45		1.7	.8																25	25	43	77	
46		1.4	.4																24	24	25	56	
47		.6	.7																10	17	27	35	
48		.4	.7																4	4	11	23	
49		.7	.7																7	7	3	7	
50			.7																3	3	2	13	
51																						3	
TOTAL		2055	137.5	4.4	.1														977	977	977	937	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5423769	76263	82.8	7.668	937	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2203966	44884	48.3	6.375	937		6					93
Wet Bulb	1990098	42628	45.8	6.233	937		17					93
Dew Point	1782878	40210	43.2	6.203	937		62					93

FORM 0-26-5 (OL A) REVISION 10-1-54 (OL A) USAFETAC

2  
 GLOBAL CLIMATOLOGY BRANCH  
 WPC/STAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

1571 LAKENHEATH RAF UK 73-67 001  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1-10-1971  
 HOURS (L. S. Y.)

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														
61		.5	1.3	.1														10	10																
59		.9	1.1	.2														44	44	14	1														
57		2.3	1.5	.6														61	61	14	1														
55		3.3	2.9	.7														79	79	14	4														
53		3.8	4.4	.7	.1													64	64	15	5														
51	.3	6.6	2.8	.2														79	79	112	74														
49	.4	4.7	3.1	.5														63	63	87	1.6														
47	.5	5.5	2.5	.4														157	157	76	1.2														
45	.4	9.	7.1	.3														26	23	12	4.5														
43		1.1	2.5															12	97	11	12														
41		7.8	7.7															43	43	21	0.7														
39	.3	2.7	1.3															44	44	40	0.5														
37	.7	3.2	1.3															27	27	42	4.1														
35		1.9	1.1															11	18	79	4.2														
33	.7	1.3	.4															4	4	14	3.3														
31		.2	.2															7	7	5	1.1														
29		.3																1	1	5	1.0														
27		.1																			4														
25																					7														
23																					1														
21																					1														
TOTAL	3.	58.	435.	4.	3.	1.												970	970	970	21.5														

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	6888731	77337	81.2	7.541	937	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2127974	43986	87.3	6.609	937		8					937
Wet Bulb	1918302	41818	85.1	6.465	937		2.6					937
Dew Point	1720518	39446	82.8	7.148	937		0.4					937

USAFETAC FORM 0-26-5 (O. A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE ANAC

# PSYCHROMETRIC SUMMARY

STATION 14031 LAKENHEATH PAF AF STATION NAME 73-87 YEARS OCT MONTH  
 PAGE 1 1600-1800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point														
47/53				.2																											4	4			
47/51			1.2																												21	21			
47/50				1.1																											17	17	6		
47/57			2.2	1.2	1.2																										49	49	24	9	
47/55			3.2	3.3	.3																										64	64	31	12	
47/53	.2	3.2	4.3	.5																											87	87	54	43	
47/51	.4	3.6	2.4	.2																											89	89	106	55	
47/49	.4	5.7	4.2	.4																											100	107	127	79	
47/47	.1	3.9	3.8	.3																											75	75	96	16	
47/45	.2	8.1	7.2	.3																											146	146	68	11	
47/43	.2	5.2	2.2	.1																											78	78	107	73	
47/41		5.5	3.1																												79	79	100	77	
47/39	.3	3.4	1.1																												45	45	59	85	
47/37	.2	1.7	1.6																												33	33	41	97	
47/35		2.4	1.2																												21	31	26	43	
47/33			.4																												12	12	42	36	
47/31		.4	.3																												7	7	13	28	
47/29		.1																													1	1	4	26	
47/27																																1	1	23	
47/25																																		3	
47/23																																		4	
TOTAL	2.7	53.4	47.5	3.9																											937	937	937	937	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						$\leq 60 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	2158614	44382	47.7	6.617	937		5					93
Wet Bulb	1947756	42143	45.3	6.422	937		1.7					93
Dew Point	1743181	39727	42.7	7.249	937		2.4					93

FORM 34 0-26-5 (OL A) REVISED WITHOUT NOTICE OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFSTAC  
AFW WEATHER SERVICE/AMAC

# PSYCHROMETRIC SUMMARY

STATION: 70831 LAKENHEATH RAF UK STATION NAME: YEARS: 73-80 MONTH: OCT

PAGE 1 2000-11-0  
HOURS TL: 2,117

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73							.1											1	1																
73/ 71						.1												1	1																
72/ 69					.1													2	2																
69/ 67					.1													3	3																
66/ 65			.1	.2	.2													5	5																
64/ 63		.2	.9	2.2	.2	.3												47	47																
61/ 61			2.9	2.5	.2	.1												59	59	10	1														
59/ 59		.9	3.3	1.3	.4													67	67	16	3														
57/ 57		1.4	4.7	3.7	1.7	.3												93	73	64	14														
56/ 55		2.6	3.7	3.3	.8	.1												96	84	70	41														
54/ 53		2.4	5.2	2.4	2.4													114	114	90	64														
52/ 51	.3	3.7	6.8	2.8	.8													173	133	105	61														
49/ 49	.2	2.7	4.3	2.7	.1													91	91	127	73														
48/ 47	.2	3.5	4.3	2.2	.1													93	93	136	77														
46/ 45		2.5	4.2	.9	.1													71	71	175	152														
44/ 43	.1	1.4	1.1	.6														70	30	76	89														
42/ 41	.1	1.3	.6	.1														70	23	50	105														
40/ 39		1.3	.2															14	14	27	79														
38/ 37	.1	.1	.2															4	4	22	63														
36/ 35		.2	.1															3	3	3	43														
30/ 32			.1															1	1	5	7														
22/ 31																				4	17														
19/ 29																					7														
22/ 27																					4														
TOTAL	1.1	23.9	47.0	25.4	7.5	1.2	.1											930	930	930	930														

USAFSTAC FORM 8-64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	5882117	73457	75.84	6.595	930	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Dry Bulb	7629377	89131	52.81	6.35	930		7	1		930	
Wet Bulb	2258198	45540	49.7	5.10	930					930	
Dew Point	1938087	82001	45.2	6.330	930	2				930	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/FAC

# PSYCHROMETRIC SUMMARY

1983 STATION LAKEWHEATH RAF UK STATION NAME 73-80 YEARS OCT MONTH 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
76/ 76							.1											1	1	
76/ 77							.5											5	5	
77/ 69						.6	.3											11	11	
77/ 67						.4	.4											9	9	
78/ 65			.5	1.2		.9	.4											24	29	
78/ 63		.3	.1	5.1	2.5	2.4	.1											97	97	
77/ 63		.3	1.1	2.7	3.7	.4												69	69	1
77/ 59		.6	2.7	1.6	2.6	1.2	.6											95	95	4
78/ 57		.5	3.1	3.7	3.4	1.2												123	133	7
78/ 55		2.5	1.1	5.4	2.3	1.7												172	132	2
77/ 53		1.3	4.5	2.9	4.7	.1												126	126	119
77/ 51	.1	1.7	3.9	4.7	1.6	.2												114	114	97
77/ 49		.9	2.9	2.8	.2	.3												59	59	165
48/ 47	.1	1.6	1.1	1.9	1.7													54	54	117
47/ 45		1.7	.5	.4	.4	.1												21	24	174
44/ 43		.2	.2															4	4	43
42/ 41		.5	.3															8	8	24
41/ 39																				14
38/ 37																				4
36/ 35																				
34/ 33																				
32/ 31																				
30/ 29																				
28/ 27																				
26/ 23																				
TOTAL	.2	11.7	24.2	33.4	23.9	7.6	1.9											930	930	930

Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	9451435	63357	68.1	2.63	930	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb	298467	52261	56.9	5.707	930			2.6	.6			93
Wet Bulb	2398165	46991	50.5	5.062	930							93
Dew Point	1980339	42069	45.2	6.339	930		2.2					93

FORM 0-26-5 (OL A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

75931 LAKENHEATH RAF UK 73-80 067 MONTH YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
74/ 73																		2	2																	
72/ 71																		2	2																	
70/ 69																		2	2																	
68/ 67																		8	8																	
66/ 65					.7	.6	1.1	.7										70	77																	
64/ 63		.2	.5	3.6	1.7	1.4	.2											73	73																	
62/ 61		.4	1.7	1.9	2.7	.9												65	65	17	7															
60/ 59		.2	2.2	2.7	1.2	.6	.2											71	71	30	8															
58/ 57		.9	3.3	2.6	1.6	1.7												87	87	69	6															
56/ 55		1.8	3.4	4.9	1.4	.2												110	110	66	30															
54/ 53	.1	1.9	6.6	4.5	7.4	.1	.1											156	156	102	67															
52/ 51	.1	2.3	4.6	3.7	1.8													116	116	102	62															
50/ 49		1.4	2.9	2.9	.5													72	72	149	61															
48/ 47	.3	1.5	3.2	2.6	1.2	.1												21	81	117	163															
46/ 45		1.1	2.6	1.7	.7	.1												46	46	178	159															
44/ 43		.4	.5	.3	.1													13	13	21	94															
42/ 41		.1	.1	.1														3	3	81	108															
40/ 39		.3																3	3	13	71															
38/ 37																				5	71															
36/ 35																				1	32															
34/ 33																					13															
32/ 31																					3															
30/ 29																					3															
28/ 27																					3															
26/ 25																					3															
24/ 23																					1															
TOTAL	.5	12.6	32.7	31.6	16.5	5.2	1.0											930	731	930	97															

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						< 60 F	60-65 F	65-70 F	70-75 F	75-80 F	> 80 F	
Dry Bulb	4751265	65585	71.5	1.451	930							93
Wet Bulb	2811039	53863	58.7	5.613	930			1.4	.2			93
Dew Point	2729075	46299	49.8	5.997	930							93

USAFETAC FORM 0-26-5 (OL A) REVISED BY YOUR EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: LAKEHURST RAF UK YEARS: 77-80 MONTH: JUL  
 PAGE: 1870-2000  
 HOURS (L. S. T.):           

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																		
64/ 62			.5	1.1	.2																											17	17					
67/ 65			.1	1.6	1.1	.2																											29	29				
67/ 69			.9	3.9	.4	.2																											42	47	10	3		
67/ 67		.7	1.3	5.7	1.8	.2																											86	86	37	12		
67/ 66		.7	2.3	3.2	2.5	.2																											78	78	48	12		
64/ 62			3.9	5.4	1.4	.2																											95	97	89	42		
67/ 61		.6	5.3	6.7	1.3	.2																												175	125	91	98	
67/ 49		.5	2.7	5.3	1.6																													92	97	141	61	
68/ 47		.7	3.9	5.1	1.9																													104	104	119	91	
67/ 45			5.4	6.7	1.4																													125	125	104	154	
64/ 63			2.6	4.3	.9																													71	71	171	79	
67/ 41			1.2	2.5	.1																													35	35	77	112	
67/ 36				.5	.2																													26	26	64	75	
69/ 37			.5	.1																														5	5	38	65	
66/ 35			.1	.1																														21	7	12	45	
74/ 33				.1																														1	1	3	46	
67/ 31																																				3	15	
77/ 29																																					2	
67/ 27																																					6	
67/ 25																																					4	
TOTAL		1.8	31.15	15.6	1.7																														930	930	930	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5854283	73311	78.8	9.000	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2410125	47741	50.6	5.748	930							93
Wet Bulb	2118427	44781	47.9	5.591	930		2					93
Dew Point	1851579	41061	44.2	6.452	930		2	1				93

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/PAC

# PSYCHROMETRIC SUMMARY

1931 LAKESIDE PAC AK 73-80 YEARS OCT MONTH

PAGE 21-0-2500 HOURS (L. P. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																	
64/63			.4	.5																												9	9				
64/61			1.2																														11	11			
64/59			1.2	2.4	.4																												37	37	6	3	
64/57			1.9	3.4	.5																												55	55	23	7	
64/55	.1	2.9	4.7	1.3																													77	77	41	19	
64/53	.1	3.4	3.9	1.3																													78	79	71	42	
64/51	.4	5.6	5.7	.2																													111	111	103	71	
64/49	.3	3.1	4.1	.9																													78	78	101	73	
64/47	.4	5.1	4.1	.9																													97	97	108	83	
64/45	.3	7.6	7.6	.6																													151	151	108	139	
64/43		5.4	4.3	.5																													95	95	107	82	
64/41		2.9	2.5																														50	51	37	1.6	
64/39	.1	2.8	1.7																														43	43	56	96	
64/37		1.5	.5																														19	19	53	53	
64/35		.6	.4																														10	13	31	56	
64/33		.6																															6	6	16	42	
64/31			.2																														2	2	5	28	
64/29		.1																															1	1	2	15	
64/27																																				1	11
64/25																																				1	1
64/23																																				1	1
64/21																																				1	1
TOTAL		1.9	4.7	4.6	6.6	6.9																												930	937	930	930

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	6234792	75798	81.5	7.878	930							93
Wet Bulb	2252789	85417	88.8	6.123	930							93
Dew Point	2015536	82034	86.2	6.002	930							93
	1792801	80345	83.8	6.737	930							93

USAFETAC FORM 0-26-5 (OL A) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFC WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: LAKENHEATH R&F MK      YEARS: 73-80      MONTH: OCT

PAGE: 11      HOURS (L.S.T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																		
77/75																																						
74/73																																						
71/71																																						
69/69																																						
67/67																																						
65/65																																						
63/63																																						
61/61																																						
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55/55																																						
53/53																																						
51/51																																						
49/49																																						
47/47																																						
45/45																																						
43/43																																						
41/41																																						
39/39																																						
37/37																																						
35/35																																						
33/33																																						
31/31																																						
29/29																																						
27/27																																						
25/25																																						
23/23																																						
21/21																																						
TOTAL	1.7	36.4	38.5	15.2	6.7	1.7	.4																															

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	%	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	96.69197	579801	77.910	9.509	7440	≤ 6 F	≤ 32 F	≤ 67 F	≤ 72 F	≤ 80 F	≥ 93 F	Total
Dry Bulb	10531471	377765	57.8	6.964	7440		2.5	9.7				744
Wet Bulb	16975467	352421	47.4	6.158	7440		7.1					744
Dew Point	14682030	326670	43.9	6.749	7440	19.8						744

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JAN 64

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

# PSYCHROMETRIC SUMMARY

STATION: 14E831 LAKESHATH AFB, MS YEARS: 73-80 MONTH: NOV

PAGE 1 MONTH

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														
67/63				.1														3	3																
67/61			.3															4	4																
67/59		.2	.7	.1														9	9																
67/57		.8	.9	.2														17	17																
67/55		.7	1.1	1.0														34	34	15	4														
67/53		2.5	3.2	1.0														59	59	23	10														
67/51		2.3	3.5	.8														65	65	42	27														
67/49		3.3	3.0	.8														71	71	43	35														
67/47		4.4	2.5	1.7														77	77	43	47														
67/45	.1	5.2	5.4	.9														101	101	75	69														
67/43		3.8	1.8	.8														67	67	74	67														
67/41	.1	5.2	3.3	.5														64	64	61	74														
67/39	.3	5.6	2.9	.2														65	65	74	74														
67/37	1.2	3.7	1.8															63	63	66	72														
67/35	1.1	4.3	.9															71	71	75	65														
67/33	.5	2.8	1.1															39	39	71	73														
67/31	.5	2.1	.3															26	26	39	64														
67/29	.3	2.7	.1															23	23	36	62														
67/27	.2	1.1	.2															14	14	16	49														
67/25		.2																2	2		24														
67/23	.2	.2																4	4	3	24														
67/21	.1																	1	1	2	7														
67/19																																			
67/17																																			
67/15																																			
TOTAL		5.251	3.357	7.7	1.0													888	888	888	888														

Element (X)	Z <sub>g</sub>	Z <sub>x</sub>	X	°s	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5991769	72493	81.6	0.54	888	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1738775	38692	63.6	7.722	888		7.0					90
Wet Bulb	1551700	36568	81.2	7.213	888		10.3					90
Dew Point	1389128	33930	38.2	7.706	888		22.0					90

FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/AMC

# PSYCHROMETRIC SUMMARY

STATION: LAKEMENA HADAC STATION NAME: 7-8 YEARS: 1952-53 MONTH: NOV  
 HOURS (L.S.T.): 2000-0000

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 Point														
31/43																		2	1																
32/44																		1	1																
33/45																		1	1																
34/46																		1	1																
35/47																		1	1																
36/48																		1	1																
37/49																		1	1																
38/50																		1	1																
39/51																		1	1																
40/52																		1	1																
41/53																		1	1																
42/54																		1	1																
43/55																		1	1																
44/56																		1	1																
45/57																		1	1																
46/58																		1	1																
47/59																		1	1																
48/60																		1	1																
49/61																		1	1																
50/62																		1	1																
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52/64																		1	1																
53/65																		1	1																
54/66																		1	1																
55/67																		1	1																
56/68																		1	1																
57/69																		1	1																
58/70																		1	1																
59/71																		1	1																
60/72																		1	1																
61/73																		1	1																
62/74																		1	1																
63/75																		1	1																
64/76																		1	1																
65/77																		1	1																
66/78																		1	1																
67/79																		1	1																
68/80																		1	1																
69/81																		1	1																
70/82																		1	1																
71/83																		1	1																
72/84																		1	1																
73/85																		1	1																
74/86																		1	1																
75/87																		1	1																
76/88																		1	1																
77/89																		1	1																
78/90																		1	1																
79/91																		1	1																
80/92																		1	1																
81/93																		1	1																
82/94																		1	1																
83/95																		1	1																
84/96																		1	1																
85/97																		1	1																
86/98																		1	1																
87/99																		1	1																
88/100																		1	1																
TOTAL	455	133	45	6	6	6	6	6	6	6	6	6	6	6	6	6	6	888	888	888	888	888													

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.					888	$\leq 60 F$	$\leq 70 F$	$\leq 80 F$	$\leq 90 F$	$\leq 93 F$	
Dry Bulb	1689444	38106	42.8	7.897	888				8.5		9.0
Wet Bulb	1512993	36371	40.9	7.339	888			12.5			9.0
Dew Point	1319567	33518	37.7	7.849	888			28.3			9.0



2  
 FEDERAL CLIMATOLOGY BRANCH  
 DIRECTOR  
 AIR WEATHER SERVICE ZNAK

**PSYCHROMETRIC SUMMARY**

7777 LAKE HEATH RAE MIV 77-43  
 STATION STATION NAME YEARS

NO. OF

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point														
77	0																																			
76																																				
75																																				
74																																				
73																																				
72																																				
71																																				
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21																																				
20																																				
19																																				
18																																				
17																																				
16																																				
TOTAL	2074	1047	710.6	7																																
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>	Z <sub>6</sub>	Z <sub>7</sub>	Z <sub>8</sub>	Z <sub>9</sub>	Z <sub>10</sub>	Z <sub>11</sub>	Z <sub>12</sub>	Z <sub>13</sub>	Z <sub>14</sub>	Z <sub>15</sub>	Z <sub>16</sub>	Z <sub>17</sub>	Z <sub>18</sub>	Z <sub>19</sub>	Z <sub>20</sub>	Z <sub>21</sub>	Z <sub>22</sub>	Z <sub>23</sub>	Z <sub>24</sub>	Z <sub>25</sub>	Z <sub>26</sub>	Z <sub>27</sub>	Z <sub>28</sub>	Z <sub>29</sub>	Z <sub>30</sub>	Z <sub>31</sub>	Z <sub>32</sub>	Z <sub>33</sub>	Z <sub>34</sub>		
Rel Hum.	77.16	76.16	75.16	74.16	73.16	72.16	71.16	70.16	69.16	68.16	67.16	66.16	65.16	64.16	63.16	62.16	61.16	60.16	59.16	58.16	57.16	56.16	55.16	54.16	53.16	52.16	51.16	50.16	49.16	48.16	47.16	46.16	45.16	44.16		
Dry Bulb	1806456	40552	45.7	7.247	888	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																								
Wet Bulb	1672276	34064	42.9	6.771	888	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																								
Dew Point	1438184	35124	30.6	7.424	888	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

FEDERAL BUREAU OF SURVEY  
 CLIMATE DIVISION  
 AIR WEATHER SERVICE/AC

# PSYCHROMETRIC SUMMARY

STATION: LAKESHORE RAF BK STATION NAME: YEARS: MONTH: NOV  
 DATE: 12-14-60 HOURS (L.S.T.):

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29	30	≥31	Dry Bulb	Wet Bulb	Dew Point																			
67/67																																			16	16					
67/68				1.3	1.5																														24	24					
67/69			.1	1.7	1.7	.2																													27	27					
67/69			1.5	1.9	2.8	.3																													58	58		11			
67/70			.6	2.2	1.5	.7																													71	71	45	12			
67/70			1.3	1.3	2.2	.7	.1																												24	74	50	11			
67/71			1.8	1.1	1.6	1.1																													68	67	78	41			
67/49			1.7	1.3	2.9	.2																													85	45	43	34			
67/47		.1	2.9	2.5	4.7	.6																													179	179	177	67			
67/45		.1	3.5	3.2	1.8	1.9																													178	138	176	88			
67/43		.6	2.6	2.8	2.4	.2																													73	77	95	86			
67/41			3.9	2.1	1.2																														24	64	139	102			
67/36		.1	2.4	1.5																															75	35	72	92			
67/37		.2	.3	.7	.7																													17	17	55	11				
67/35		.1	1.1	.9																															19	19	29	75			
67/33		.4	.1	.7																															11	11	24	56			
67/31																																				7	7	12	35		
67/29																																			1	1	7	26			
67/27		.1	.1																																2	2	1	37			
67/25																																			1	1	2	14			
67/23			.1																																	1	1	2	22		
67/21																																					1	1	1	11	
67/16																																						1	1	1	1
TOTAL		1.7	24.4	39.1	27.7	6.0	.7																												901	841	864	864			

USARFAC FORM 0 26 5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel Hum.	5342640	66267	74.4	1.261	891	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	0
Dry Bulb	2141828	43282	48.6	6.647	891		7					30
Wet Bulb	1925373	39944	44.8	6.241	891		2.7					63
Dew Point	1511237	36121	40.5	7.263	891	1.2	11					90

GENERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/NAAC

# PSYCHROMETRIC SUMMARY

1953 LAKEHURST RAF MK

73-87

YEARS

NOV  
MONTH

DATE: 11-15-1953  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
60/42					.7														74	4															
61/41				1.1	.2														19	19															
62/40		.2	1.0	1.0															10	10	1														
63/39		1.0	2.0	1.8															49	48	13														
64/38		1.5	2.4	3.4	.7														76	76	34														
65/37		1.3	3.6	2.2	.4														68	68	43	27													
66/36		1.5	3.5	1.7	1.1														62	62	43	36													
67/35		.9	3.4	1.6	.7														67	67	53	39													
68/34	.1	3.4	4.7	3.1	.4														90	90	73	67													
69/33	.1	3.2	6.2	2.5	.6														124	124	95	97													
70/32	.1	4.6	4.2	1.9															66	66	114	67													
71/31	.3	4.7	3.4	1.6															89	89	124	77													
72/30	.6	3.9	1.8	.4															59	59	132	99													
73/29	.7	1.3	1.9	.1															28	28	72	98													
74/28		1.1	1.8	.2															24	24	42	88													
75/27	.2	.8	.8	.1															18	18	34	47													
76/26		.1	.7																3	3	13	42													
77/25																					11	28													
78/24																					3	47													
79/23																						8													
80/22																						7													
81/21																						6													
82/20																						5													
TOTAL	.13	.14	1.62	2.4	3.7														891	891	891	891													
Elem. (X)	ΣX'	ΣX	X	ΣX	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	5323174	6815	75.5	17,213	891	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	2037272	4217	47.3	6,822	891		.6					9																							
Wet Bulb	1758961	39177	44.7	6,793	891		2.7					90																							
Dew Point	1489055	35731	42.1	7,280	891		14.7					90																							

USAFETAC FORM 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2  
 CENTRAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/AMC

**PSYCHROMETRIC SUMMARY**

STATION 130071 LAKEHURLATH RAF JK STATION NAME 73-80 YEARS NOV MONTH 1950-1951  
 FAST 1 130071-3001  
 ADMITTED BY

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	Dry Bulb	Wet Bulb/Dew Point																			
60/ 57			.1	.2																														10	17	3		
62/ 51				.4	.3																													7	5	2		
64/ 59			.1	1.0																														10	20	3		
66/ 57			.2	.9	.5	.1																												20	20	2		
68/ 55			2.0	2.2	1.3																													57	57	23	2	
70/ 53			1.7	1.6	1.5																													62	62	13	21	
72/ 51			1.8	1.9	.2	.4																												57	53	55	37	
74/ 49			1.8	2.1	.5	.4																												46	46	70	24	
76/ 47			2.4	2.1	1.1	.2																												70	70	64	51	
78/ 45	.1	.7	2.9	2.4																														134	134	50	61	
80/ 43	.1	4.7	2.9	.9																														77	77	96	63	
82/ 41	.1	7.2	3.3	.7																														175	135	111	71	
84/ 39	.9	5.1	2.7	.2																														82	82	95	94	
86/ 37	1.3	2.1	2.1																															50	50	101	140	
88/ 35	.1	2.3	1.9																															42	42	48	93	
90/ 33	.4	3.3	.3																															36	36	62	78	
92/ 31		1.5	.2																															15	15	33	31	
94/ 29	.1	1.0	.4																															14	14	15	54	
96/ 27	.1	.1																																1	3	9	57	
98/ 25		.1																																1	1	4	8	
100/ 23		.1																																1	1	1	11	
102/ 21	.2																																	2	2	3	3	
104/ 19																																					3	3
106/ 17																																					4	4
TOTAL	3.1	46.4	38.7	1.1	1.2																													851	891	891		

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	5782573	71257	87.0	0.707	891	= 67 F	= 72 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1846029	39965	44.9	7.331	891		3.5				0.0
Wet Bulb	1625878	37572	42.2	6.931	891		6.7				0.0
Dew Point	1398132	30661	34.4	7.477	891		17.7				0.0

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: LAKE HEATH PARK ILL. STATION NAME: 73-87 YEARS: NOV MONTH: 2177-2312 HOURS (L. S. T.):

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
47/63				.7																												3	3				
47/61			.4	.7																												7	7				
47/59			.8	.2																												9	9				
47/57		.7	1.7	.2	.1																											18	18	7			
47/55		1.5	1.1	.2																												25	25	16	4		
47/53	.1	1.8	2.6	2.1																												59	59	27	15		
47/51		2.7	5.1	.2																												67	67	34	29		
47/49	.1	1.2	2.7	.4																												76	76	34	27		
47/47	.1	4.3	2.6	1.5																												75	75	69	31		
47/45	.6	5.3	6.1	1.1																												116	116	67	135		
47/43	.7	3.8	3.7	1.5																												80	80	64	64		
47/41	.2	6.5	3.4	.6																												95	95	90	76		
47/39	.4	5.8	1.2	.8																												71	71	88	66		
47/37	1.3	3.3	2.9																													67	67	93	77		
47/35	.2	2.3	1.8																													49	49	56	111		
47/33	.8	4.9	1.6																													65	65	82	70		
47/31		1.8	.1																													17	17	49	41		
47/29		1.7	.2																													11	11	23	53		
47/27	.3	.6	.1																													9	9	11	70		
47/25		.6																														5	5	6	22		
47/23		.4																														4	4	4	15		
47/21	.1																															1	1	4	2		
47/19	.1																															1	1	1	3		
47/17																																			7	7	
47/15																																			2	2	
TOTAL	5.44	9.1	37.7	0.2	.7																													890	890	890	993

Element (X)	$\Sigma R'$	$\Sigma R$	$\bar{R}$	$\sigma_R$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	5874564	71047	87.8	9.459	890							
Dry Bulb	1746597	38841	43.6	7.612	890		8.9					93
Wet Bulb	1552245	36623	41.1	7.133	890		9.9					93
Dew Point	1338730	33826	38.7	7.730	890		21.7					93

USAFETAC FORM 0-20-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

# PSYCHROMETRIC SUMMARY

STATION LAKEVHEATH RAF UK STATION NAME LAKEVHEATH RAF UK YEARS 73-80 MONTH NOV

PAGE 1 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
64/ 53			.3	.7														12	32						
62/ 51		.1	.5															75	75						
60/ 50		.1	1.3	.5														116	116	5					
58/ 57		.1	1.4	.3														238	238	69	5				
54/ 55		.1	1.3	2.1	1.6	.1												361	361	197	42				
50/ 53		.1	1.6	3.3	1.6													475	475	245	166				
48/ 51		.2	2.2	4.1	.5	.4												503	503	402	242				
38/ 49		.1	1.7	2.3	1.1	.2												415	415	541	232				
44/ 47		.1	3.5	3.2	1.9	.7												625	625	596	402				
40/ 45		.2	4.9	6.3	1.5	.7												948	948	611	740				
44/ 43		.1	4.3	3.3	1.3													641	641	713	527				
42/ 41		.1	5.8	3.3	.8													716	716	801	682				
40/ 39		.5	5.2	1.9	.2													557	557	671	666				
38/ 37	1.2	2.5	1.8	.1														411	411	722	722				
36/ 35	.4	3.6	1.2	.1														376	376	446	725				
34/ 33	.5	2.3	.9	.7														263	263	477	522				
32/ 31	.7	1.5	.4															142	142	263	344				
30/ 29	.1	1.7	.2															94	94	148	372				
28/ 27	.2	.6	.1															65	65	84	406				
26/ 25		.3																21	21	47	133				
24/ 23		.2																20	27	16	96				
22/ 21	.1																	9	9	24	46				
20/ 19	.1																	6	6	6	24				
18/ 17		.1																1	1	1	26				
16/ 15																					16				
14/ 13																					1				
TOTAL	4.0	44.0	337.7	12.6	1.7													7115	7115	7115	7115				

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	85872416	566728	79.71	0.137	7115	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	14785703	319757	44.9	7.635	7115		36.2					720
Wet Bulb	13015285	300131	42.2	7.633	7115		59.6					720
Dew Point	11157290	276460	38.9	7.639	7115		147.0					720

FORM 44 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF WEATHER SERVICE, DC

# PSYCHROMETRIC SUMMARY

1953 LAKENHEATH RAF IIC STATION NAME

73-82 YEARS

DEC MONTH

PAGE

1953-0000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb
60																		7	7	
59																		4	4	
58																		4	4	
57																		24	24	
56																		33	33	
55																		65	65	
54																		69	69	
53																		93	93	
52																		72	72	
51																		77	77	
50																		77	77	
49																		100	100	
48																		124	124	
47																		169	169	
46																		56	56	
45																		33	33	
44																		19	19	
43																		10	10	
42																		18	18	
41																		7	7	
40																		4	4	
39																		2	2	
38																		1	1	
37																		1	1	
36																		1	1	
35																		1	1	
34																		1	1	
33																		1	1	
32																		1	1	
31																		1	1	
30																		1	1	
29																		1	1	
28																		1	1	
27																		1	1	
26																		1	1	
25																		1	1	
24																		1	1	
23																		1	1	
22																		1	1	
21																		1	1	
20																		1	1	
19																		1	1	
18																		1	1	
17																		1	1	
16																		1	1	
15																		1	1	
14																		1	1	
13																		1	1	
12																		1	1	
11																		1	1	
10																		1	1	
9																		1	1	
8																		1	1	
7																		1	1	
TOTAL	4.9	55.9	35.4	3.5	.1	.1												930	930	930

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	61444.6	75134	87.8	8.988	930		12.7					93
Wet Bulb	15581.8	37468	47.3	7.238	930		17.9					93
Dew Point	13893.73	35347	38.7	7.031	930		36.2					93
	11823.23	32317	34.7	7.991	930							93

FORM 0-26-5 (OL A) REVISION 10-1-53 (REVISED) USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION: 175271 LAKENHEATH RAF UK STATION NAME: 73-80 YEARS: \_\_\_\_\_ DEF MONTH: \_\_\_\_\_  
 PAGE 1 OF 1  
 HOURS (L. S. Y.): 2130 05 0

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
59/ 57			.1	.1														2	2																
56/ 55		.4		.2														6	6																
50/ 53		.8	2.5															27	27	5															
42/ 51		1.7	1.1															26	26	21	7														
47/ 49		1.5	2.5															37	37	35	7														
46/ 47	.3	3.3	2.9	.3														64	64	42	36														
46/ 45	.3	7.3	4.3	.5														116	116	73	54														
44/ 43	.3	2.4	2.5	.6														54	54	43	61														
40/ 41	.3	5.8	3.7	.5														96	96	68	63														
47/ 39	.1	7.7	3.5	.3														109	109	64	62														
79/ 77	1.5	5.6	4.4	.1														108	108	123	83														
78/ 35	.1	4.9	4.1	.2														67	87	98	73														
74/ 33	.1	4.2	1.8															57	57	100	75														
72/ 31		3.1	.1															30	33	64	78														
71/ 29		2.4	.2															24	24	79	71														
66/ 27	.4	3.7	1.1															48	48	25	1.8														
66/ 25		2.7	.1															20	21	41	34														
64/ 23		.8																7	7	13	28														
62/ 21		.6																6	6	8	21														
60/ 19		.3																3	3	6	12														
59/ 17																				3	19														
56/ 15		.1																1	1		7														
54/ 13		.1																1	1	1	6														
52/ 11		.1																1	1	2	4														
47/ 9																					2														
48/ 7																					1														
47/ 3																					2														
TOTAL	3.558	934.5	3.3															930	930	930	930														

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	6180437	75151	80.8	8.533	930							93
Wet Bulb	1519669	36951	39.7	7.487	930		14.1					93
Dew Point	1358763	34903	37.5	7.251	930		27.1					93
	1152930	31834	34.2	8.251	930		38.3					93

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

134571 LAKENHEATH RAF UK 73-82 YEARS DEC MONTH

PAGE 1 OF 1  
HOURS YC. 3,117

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point					
59																						5	5		
57				.2	.1																	3	3		
55			.3	.4	.2																	9	7		
53			.7	.9	.5																	16	14	12	
51	.1	1.7	3.2	.3																		67	57	14	5
49	.1	1.7	4.1																			55	55	25	10
47	.1	3.2	2.4	.1																		54	54	72	10
45	1.1	6.1	5.2	1.1																		125	125	97	36
43		4.3	3.3	2.7																		90	97	66	67
41	.2	6.2	4.4	.3																		104	104	83	73
39	.3	5.9	4.7																			95	95	68	84
37	1.1	4.8	4.1																			63	93	110	61
35		5.3	3.5	.1																		78	78	91	68
33	.1	3.1	2.6																			54	54	110	74
31		2.4	.1																			23	29	51	85
29		2.2	.4																			23	23	36	87
27	.2	2.2	.3																			25	25	26	76
25		1.5	.3																			17	17	11	36
23		.4																				4	4	14	24
21		.2																				2	2	7	15
19		.2																				2	2	2	4
17		.3																				3	3	2	6
15																								3	3
13																									7
11																									1
9																									1
7																									1
TOTAL	3.352	4.889	5.8																			930	930	930	930

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 10 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	6145458	74536	87.1	8.788	930							930
Wet Bulb	1432885	35935	38.6	6.217	930		9.9					930
Dew Point	1218553	32813	35.3	7.823	930		15.2					930

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

78831 LAKENHEATH RAF MK STATION NAME

73-87 YEARS

DEC MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
59/59					.4													4		4																
58/57		.5	.2															13		13																
58/55		.4	.3															7		7																
54/53		.4	3.9	1.4	.1													54		54	17	4														
52/51		1.7	4.9	.5														67		67	73	6														
51/49		1.1	4.7	.5														72		72	69	18														
49/47		3.1	3.4	1.3	.2													73		73	69	35														
48/45	.3	5.2	6.6	2.9	.1													140		140	84	67														
44/43	.3	3.4	7.1	1.8														118		118	80	78														
42/41	.1	5.7	6.8	1.6														132		132	97	78														
41/39		3.5	2.9	.2														62		62	135	82														
38/37	1.2	3.5	3.7	.6														84		84	113	64														
36/35		3.1	3.7	.2														52		52	71	92														
34/33	.2	1.7	1.6	.3														29		29	63	67														
32/31		.9	.4															12		12	78	90														
31/29		.6	.4															10		10	16	63														
28/27	.1	.8	.4															12		12	15	58														
26/25		.2																2		2	3	19														
24/23																					4	24														
22/21																						8														
21/19																						7														
20/17																						4														
19/15																						1														
14/13																						3														
TOTAL	2.335	.25	.311	.9	.2													930		930		930														

Element (A)	$\Sigma H$	$\Sigma W$	$\Sigma T$	$\Sigma P$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5634986	71838	77.2	9.613	930	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1797287	47453	43.5	6.368	930		3.6					93
Wet Bulb	1563266	37692	42.5	6.194	930		8.1					93
Dew Point	1301073	34133	36.7	7.212	930		27.7					93

USAFETAC FORM 0-26-5 (OL A) REVISED IN YOUR EDITIONS OF THIS FORM ARE OBSOLETE

2  
 CENTRAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/NAO

# PSYCHROMETRIC SUMMARY

STATION LAKEHURST AFB TX YEARS 73-80 MONTH DEC

PAGE 1 HOURS YL. S. V. 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 50		.3																3	3																
28 / 57		.2	.4	.1														7	7																
26 / 55		.2	.9	.1														11	11	2	7														
14 / 53		.4	1.5	.4														22	22	8	3														
27 / 51		1.6	4.8	.4														64	64	23	4														
1 / 49		1.7	4.7	.6														60	60	60	2														
48 / 47		2.2	2.9	.2														40	40	34	2														
25 / 45	.2	6.5	6.3	2.3	.1													143	143	70	65														
24 / 43	.2	4.8	4.6	1.5														104	104	81	75														
27 / 41		5.2	6.1	.6														111	111	101	77														
37 / 39	.1	7.2	3.9															104	104	75	91														
28 / 37	1.7	3.3	3.2	.5														82	82	142	75														
26 / 35		3.5	2.7	.8														65	65	72	92														
28 / 33	.1	2.9	2.4															50	50	82	91														
37 / 31		1.1	.6															15	16	51	73														
27 / 29	.1	.4	.5															10	13	22	71														
28 / 27		1.0	.5															15	15	9	70														
27 / 25		.3																3	3	15	17														
24 / 23		.1																1	1	4	21														
22 / 21		.1																1	1	3	14														
27 / 19																				1	5														
18 / 17																					7														
16 / 15																					7														
24 / 13																					2														
17 / 11																					1														
TOTAL	2.5	43.3	46.3	7.7	.1													930	930	920	930														

USAF/ETAC FORM 34-44 0-26-5 (O.L.A.) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Zg'	Zg	I	Pa	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5856738	73312	73.8	0.136	31	≤ 10 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1716673	39506	42.5	6.435	51		8.6					93
Wet Bulb	1310674	37024	39.8	6.287	93		11.2					93
Dew Point	1271070	33714	36.3	7.284	93		20					93



FEDERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

119331 LAKEWALATH RAMPARK T-8-81 YEARS DEC MONTH

PERIOD: 119331  
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
59																																					
58																																					
57																																					
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4																																					
3																																					
2																																					
1																																					
0																																					
TOTAL																																					

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	6192312	75452	81.1	8.730	930							
Dry Bulb	1552841	77527	43.4	6.526	930		11.5					4.3
Wet Bulb	1392739	35432	38.1	6.789	930		18.4					9.1
Dew Point	1190977	32486	34.9	7.778	930		35.6					6.7

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

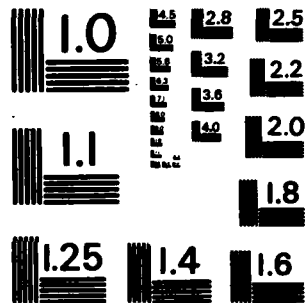


AD-A140 248

85  
LAKENHEATH UNITED KINGDOM REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT AFB 01 MAR 84  
USAFETAC/DS-84/008 SBI-AD-E850 824 F/O 4/2 NL

UNCLASSIFIED


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84



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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

035931 LAKENHEATH RAF UK STATION STATION NAME

73-83 YEARS

YEARS

ALL MONTHS

PAGE 1 ALL MONTHS (C. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb (Dew Point)															
94/ 93																																	4	4
92/ 91																																	11	11
90/ 89																																	21	21
88/ 87																																	36	36
86/ 85																																	39	39
84/ 83																																	66	66
82/ 81																																	271	201
80/ 79																																	187	187
78/ 77																																	361	361
76/ 75																																	501	501
74/ 73																																	766	766
72/ 71																																	942	942
70/ 69																																	1349	1349
68/ 67																																	1185	1185
66/ 65																																	2195	2195
64/ 63																																	4684	4684
62/ 61																																	3958	3958
60/ 59																																	4310	4310
58/ 57																																	4884	4884
56/ 55																																	4854	4854
54/ 53																																	5472	5472
52/ 51																																	5421	5421
50/ 49																																	4529	4529
48/ 47																																	5456	5456
46/ 45																																	8444	8444
44/ 43																																	6222	6222
42/ 41																																	5410	5410
40/ 39																																	4210	4210
38/ 37																																	3664	3664
36/ 35																																	3549	3549
34/ 33																																	2185	2185
32/ 31																																	1044	1044
30/ 29																																	890	890
28/ 27																																	730	730
Element (X)	2 <sub>1</sub>		2 <sub>2</sub>		I		2 <sub>4</sub>		No. Obs.		Elem No. of Hours with Temperature																							
Rel. Hum.											60 F	65 F	70 F	75 F	80 F	85 F	Total																	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

035831 LAKENHEATH RAF UK 73-83 ALL  
 STAT IDN STATION NAME YEARS MONTH

PAGE 2 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	31	Dry Bulb	Wet Bulb
26/ 25	.0	.2	.0														240	240	530	1499
24/ 23	.0	.1	.0														138	138	276	1124
22/ 21	.0	.1	.0														82	82	152	620
20/ 19	.0	.0															41	41	69	383
18/ 17		.0															27	27	44	270
16/ 15		.0															11	11	21	132
14/ 13		.0															4	4	6	68
12/ 11		.0															1	1	4	46
10/ 9	.0																1	1	1	58
8/ 7																				10
6/ 5																				2
4/ 3																				3
TOTAL	1.8	31.3	33.5	15.5	7.9	4.8	2.7	1.2	.7	.3	.1	.1	.0	.0	.0	.0	87234	87237	87234	87234
																	87234		87234	

Element (R)	Z <sub>1</sub>	Z <sub>2</sub>	T	W	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.	490927532	6838892	73.013.688	87238	87238	< 60 F	< 50 F	< 40 F	< 30 F	< 20 F	< 10 F	Total
Dry Bulb	230399078	4381030	50.210.908	87237	87237	321.6	567.6	219.6	87.6			8760
Wet Bulb	191713885	4012991	46.0 9.028	87239	87239	567.6	31.7					8760
Dew Point	158908886	3630696	43.6 9.387	87238	87238	568.6						8760

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

035831 LAKENHEATH RAF UK

73-83

STATION		STATION NAME												YEARS
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	39.7	38.4	41.2	42.5	47.5	53.6	56.8	56.8	54.0	48.3	43.6	40.3	46.9
	S.D.	7.383	6.226	5.677	5.675	5.478	4.999	4.613	5.233	5.700	6.375	7.722	7.238	9.005
	TOTAL OBS	930	837	930	900	840	900	930	930	898	930	888	930	10843
03-05	MEAN	39.2	37.8	40.3	41.4	46.1	52.0	55.1	55.0	52.4	47.3	42.9	39.7	45.8
	S.D.	7.411	6.205	5.681	5.604	5.350	4.793	4.653	5.261	5.792	6.609	7.844	7.447	8.719
	TOTAL OBS	930	837	930	900	867	900	930	930	900	930	888	930	10872
06-08	MEAN	39.7	37.6	40.7	43.6	50.5	56.5	59.0	58.1	53.9	47.7	43.0	39.7	47.5
	S.D.	7.496	6.273	5.603	5.403	5.499	5.039	4.799	5.013	5.777	6.610	7.756	7.510	9.750
	TOTAL OBS	930	837	930	900	919	900	929	930	899	930	888	930	10922
09-11	MEAN	40.5	40.4	45.0	49.1	56.2	62.3	64.8	65.2	60.8	52.8	45.7	41.0	52.1
	S.D.	7.120	5.876	5.460	5.759	6.365	6.612	5.975	5.438	5.482	6.035	7.247	7.185	11.160
	TOTAL OBS	929	837	930	900	918	900	930	930	900	930	888	930	10922
12-14	MEAN	43.0	43.3	48.1	52.1	58.9	65.4	68.0	68.9	64.5	56.0	48.6	43.5	55.1
	S.D.	6.434	5.944	5.868	6.433	7.046	7.502	6.766	6.454	5.753	5.707	6.647	6.368	11.487
	TOTAL OBS	930	837	930	900	918	900	929	930	899	930	891	930	10924
15-17	MEAN	42.3	43.0	47.8	51.9	58.6	65.5	68.4	69.1	64.3	54.7	47.3	42.5	54.7
	S.D.	6.496	6.032	5.823	6.686	7.077	7.688	6.787	6.630	6.076	5.613	6.822	6.435	11.844
	TOTAL OBS	930	840	930	900	918	900	930	930	900	930	891	930	10929
18-20	MEAN	40.7	40.2	44.2	48.0	55.0	62.0	65.1	64.6	59.1	50.6	44.9	41.0	51.3
	S.D.	6.885	5.878	5.568	5.951	6.463	6.790	5.946	5.842	5.664	5.748	7.301	6.740	11.067
	TOTAL OBS	930	838	930	900	918	900	930	930	900	930	891	930	10927
21-23	MEAN	40.0	38.9	42.1	44.1	49.9	56.4	59.5	59.1	55.5	48.8	43.6	40.4	48.3
	S.D.	7.107	6.041	5.610	5.458	5.500	5.223	4.670	4.835	5.424	6.123	7.612	6.926	9.516
	TOTAL OBS	929	837	930	899	893	900	930	930	900	930	890	930	10898
ALL HOURS	MEAN	40.5	40.0	43.7	46.6	53.0	59.2	62.1	62.1	58.1	50.8	44.9	41.0	50.2
	S.D.	7.171	6.403	6.360	7.098	7.703	7.900	7.366	7.638	7.267	6.844	7.638	7.103	10.908
	TOTAL OBS	7438	6700	7998	7199	7191	7208	7838	7998	7196	7998	7118	7998	87213

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

### MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

C35831 LAKENHEATH RAF UK

73-83

STATION		STATION NAME												YEARS
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	37.4	36.4	38.5	39.6	44.6	50.2	53.4	53.4	50.7	45.8	41.2	38.0	44.1
	S. D.	6.931	5.998	5.611	5.371	5.115	4.659	4.247	4.866	5.264	6.233	7.213	7.031	8.492
	TOTAL OBS	930	837	930	900	840	900	930	930	898	930	888	930	10843
03-05	MEAN	37.0	35.8	37.7	38.7	43.6	49.1	52.2	52.1	49.5	45.0	40.6	37.5	43.3
	S. D.	6.984	5.990	5.634	5.368	5.113	4.540	4.350	5.018	5.418	6.465	7.339	7.251	8.350
	TOTAL OBS	930	837	930	900	867	900	930	930	900	930	888	930	10872
06-08	MEAN	36.8	35.6	38.1	40.5	46.8	52.1	54.9	54.4	50.7	45.3	40.7	37.5	44.5
	S. D.	7.035	6.090	5.523	5.043	4.580	4.270	4.036	4.543	5.299	6.422	7.276	7.268	8.944
	TOTAL OBS	930	837	930	898	919	900	929	930	899	930	888	930	10920
09-11	MEAN	38.0	37.8	41.2	44.0	49.7	54.8	57.6	57.9	54.9	49.0	42.9	38.6	47.3
	S. D.	6.643	5.620	5.089	4.782	4.778	4.910	4.169	3.925	4.301	5.510	6.771	6.910	9.148
	TOTAL OBS	929	837	930	900	918	900	930	930	900	930	888	930	10922
12-14	MEAN	39.9	39.8	43.0	45.3	50.8	56.0	58.7	59.0	56.1	50.5	44.8	40.5	48.8
	S. D.	5.917	5.569	5.204	5.057	4.985	5.094	4.238	4.104	4.348	5.062	6.241	6.194	8.803
	TOTAL OBS	930	837	930	900	918	900	929	930	899	930	891	930	10924
15-17	MEAN	39.3	39.6	42.6	45.1	50.6	56.0	58.8	58.9	55.9	49.8	44.0	39.8	48.4
	S. D.	6.020	5.704	5.144	5.263	4.973	4.987	4.188	4.111	4.568	5.097	6.393	6.287	9.003
	TOTAL OBS	930	840	930	900	918	900	930	930	900	930	891	930	10929
18-20	MEAN	38.1	37.7	40.5	42.9	48.8	54.6	57.6	57.3	53.6	47.4	42.2	38.7	46.7
	S. D.	6.403	5.750	5.325	5.138	5.005	4.845	4.137	4.166	4.666	5.891	6.831	6.620	9.090
	TOTAL OBS	930	838	930	900	918	900	930	930	900	930	891	929	10924
21-23	MEAN	37.5	36.7	39.0	40.6	46.1	51.9	55.0	54.7	51.6	46.2	41.1	38.1	44.9
	S. D.	6.625	5.867	5.558	5.069	4.937	4.523	4.060	4.407	4.940	6.002	7.133	6.789	8.677
	TOTAL OBS	929	837	930	899	893	900	930	930	900	930	890	930	10898
ALL HOURS	MEAN	38.0	37.4	40.1	42.1	47.7	53.1	56.0	56.0	52.9	47.4	42.2	38.6	46.0
	S. D.	6.659	6.015	5.716	5.670	5.556	5.330	4.783	5.056	5.434	6.158	7.063	6.876	9.025
	TOTAL OBS	7438	6700	7440	7197	7191	7200	7438	7440	7194	7440	7115	7439	87230

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

035831 LAKENHEATH RAF UK

73-83

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN S.D. TOTAL OBS	34.0 7.676 937	33.2 6.843 837	34.6 6.788 930	35.6 6.194 900	41.3 5.752 840	47.1 5.310 900	50.6 4.555 930	50.5 5.342 930	47.7 5.736 898	43.2 6.903 930	38.2 7.706 888	34.7 7.991 930	41.0 9.154 10843
03-05	MEAN S.D. TOTAL OBS	33.6 7.767 930	32.7 6.870 837	34.1 6.778 930	35.1 6.176 900	40.7 5.717 867	46.4 5.143 900	49.7 4.586 930	49.6 5.574 930	46.8 5.937 900	42.4 7.144 930	37.7 7.809 888	34.2 8.251 930	40.3 9.099 10872
06-08	MEAN S.D. TOTAL OBS	33.5 7.746 937	32.5 6.952 837	34.4 6.645 930	36.6 5.838 898	42.9 5.042 919	48.3 4.882 900	51.7 4.213 929	51.4 5.097 930	47.8 5.774 899	42.7 7.049 930	37.8 7.840 888	34.2 8.250 930	41.2 9.428 10920
09-11	MEAN S.D. TOTAL OBS	34.5 7.332 929	34.2 6.517 837	36.4 6.384 930	37.8 5.962 900	43.3 5.935 918	48.3 5.871 900	51.9 4.903 930	52.2 4.912 930	49.8 5.031 900	45.2 6.330 930	39.6 7.424 888	35.3 7.821 930	42.4 9.146 10922
12-14	MEAN S.D. TOTAL OBS	35.8 6.626 930	35.0 6.752 837	36.6 6.923 930	37.4 6.509 900	42.8 6.505 918	48.1 6.095 900	51.5 5.176 929	51.4 5.337 930	49.1 5.644 899	45.2 6.339 930	40.5 7.263 891	36.7 7.212 930	42.6 8.817 10924
15-17	MEAN S.D. TOTAL OBS	35.4 6.760 930	34.9 6.941 840	36.0 7.048 930	37.0 6.660 900	42.6 6.466 918	48.2 5.859 900	51.5 5.294 930	51.1 5.387 930	48.9 5.764 900	45.0 6.343 930	40.1 7.280 891	36.3 7.284 930	42.3 8.932 10929
18-20	MEAN S.D. TOTAL OBS	34.6 7.069 930	34.1 6.785 838	35.5 6.814 930	36.7 6.438 900	42.5 6.194 918	48.3 5.711 900	51.8 4.987 930	51.4 5.071 930	48.9 5.370 900	44.2 6.452 930	38.9 7.477 891	35.4 7.645 929	41.9 9.157 10924
21-23	MEAN S.D. TOTAL OBS	34.0 7.279 929	33.4 6.768 837	34.8 6.863 930	36.0 6.055 899	42.1 5.726 893	47.9 5.235 900	51.3 4.872 930	51.0 5.047 930	48.2 5.551 900	43.4 6.737 930	38.0 7.730 890	34.9 7.778 930	41.3 9.189 10898
ALL HOURS	MEAN S.D. TOTAL OBS	34.4 7.330 7438	33.8 6.868 6788	35.3 6.839 7488	36.5 6.290 7197	42.3 5.998 7191	47.8 5.564 7208	51.2 4.844 7834	51.1 5.272 7880	48.4 5.677 7194	43.9 6.749 7888	38.9 7.639 7158	35.2 7.828 7430	41.6 9.147 87238



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

035831 LAKENHEATH RAF UK 74-83 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	98.0	87.1	59.4	22.3	81.9	837
	03-05	100.0	100.0	100.0	100.0	100.0	98.8	85.3	59.0	23.1	82.0	837
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	86.5	58.7	21.3	82.0	837
	09-11	100.0	100.0	100.0	100.0	99.8	96.2	76.6	47.3	15.2	79.2	837
	12-14	100.0	100.0	100.0	99.4	96.5	84.2	57.3	30.6	8.5	73.2	837
	15-17	100.0	100.0	100.0	99.6	97.0	85.6	59.3	31.8	8.0	73.9	837
	18-20	100.0	100.0	100.0	100.0	99.9	96.7	77.6	46.1	13.8	79.2	837
	21-23	100.0	100.0	100.0	100.0	100.0	97.7	82.7	55.0	17.8	80.9	837
TOTALS		100.0	100.0	100.0	99.9	99.2	98.6	76.6	48.5	16.3	79.0	6700

















GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

035831 STATION      LAKENHEATH RAF UK      STATION NAME      73-82      PERIOD      NOV      MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-22	100.0	100.0	100.0	100.0	100.0	99.0	87.6	57.9	17.8	81.6	888
	03-05	100.0	100.0	100.0	100.0	100.0	98.0	89.3	59.1	20.7	82.2	888
	06-08	100.0	100.0	100.0	100.0	100.0	98.2	89.3	59.9	18.7	82.1	888
	09-11	100.0	100.0	100.0	100.0	99.7	96.0	83.1	46.6	14.0	79.6	888
	12-14	100.0	100.0	100.0	100.0	97.5	88.7	65.2	29.0	9.8	74.4	891
	15-17	100.0	100.0	100.0	100.0	99.2	90.9	71.6	35.8	12.8	76.5	891
	18-20	100.0	100.0	100.0	100.0	100.0	96.1	82.2	69.4	13.9	80.0	891
	21-23	100.0	100.0	100.0	100.0	100.0	97.5	84.4	54.8	15.4	80.8	890
TOTAL		100.0	100.0	100.0	100.0	99.0	92.7	81.6	69.1	18.9	79.7	7115



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

035831 LAKENHEATH RAF UK 73-83 ALL  
STATION STATION NAME PERIOD MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.7	96.5	81.1	47.1	11.7	79.1	7438
FEB		100.0	100.0	100.0	99.9	99.2	94.6	76.6	48.5	16.3	79.0	6700
MAR		100.0	100.0	99.9	98.7	94.2	82.4	62.9	34.1	5.5	73.4	7440
APR		100.0	100.0	99.7	96.7	88.9	73.3	52.4	22.7	3.7	69.4	7197
MAY		100.0	100.0	99.0	95.1	86.4	72.2	55.0	25.4	5.1	69.2	7191
JUN		100.0	99.9	99.4	95.3	85.7	67.7	50.4	21.8	3.7	67.9	7200
JUL		100.0	99.8	99.2	96.7	87.9	72.3	55.3	23.6	2.8	69.4	7438
AUG		100.0	100.0	99.3	96.2	85.8	69.7	53.6	26.2	5.0	69.1	7440
SEP		100.0	100.0	99.9	98.6	91.6	76.1	60.9	28.4	5.5	71.6	7196
OCT		100.0	100.0	100.0	100.0	98.7	92.1	78.2	44.6	10.8	77.9	7440
NOV		100.0	100.0	100.0	100.0	99.6	95.7	81.6	49.1	15.4	79.7	7115
DEC		100.0	100.0	100.0	100.0	100.0	97.8	83.4	50.4	13.1	80.0	7439
TOTALS		100.0	100.0	99.7	98.1	93.1	82.8	66.0	35.2	8.2	73.8	87234

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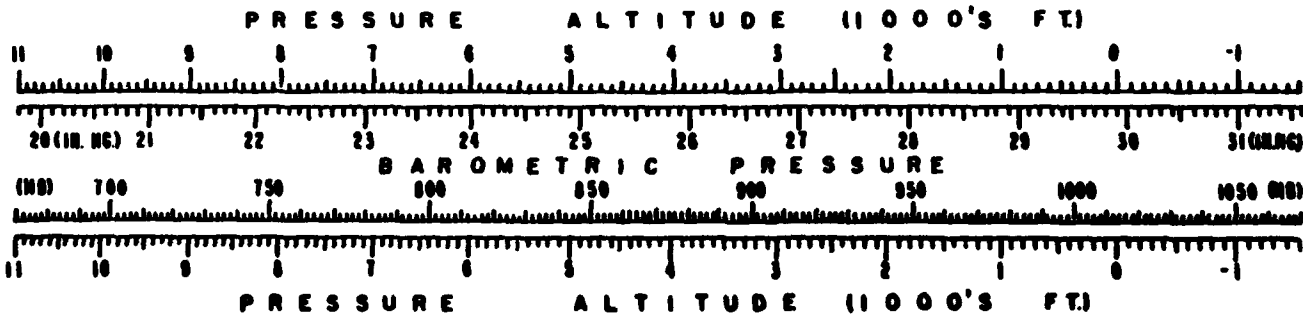
## PART F PRESSURE SUMMARY

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 OCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

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

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

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.



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### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

035931 LAKENHEATH RAF UK

73-83

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	29.903	29.910	29.824	29.964	29.903	29.972	29.961	29.976	29.930	29.864	29.929	29.817	29.913
	S.D.	.385	.398	.343	.285	.247	.221	.192	.198	.272	.326	.337	.453	.319
	TOTAL OBS	310	279	310	300	280	300	310	310	300	310	296	310	3615
03	MEAN	29.896	29.900	29.810	29.951	29.892	29.961	29.949	29.965	29.918	29.851	29.918	29.809	29.901
	S.D.	.387	.397	.343	.283	.247	.223	.195	.200	.273	.324	.339	.448	.319
	TOTAL OBS	310	279	310	300	280	300	310	310	300	310	296	310	3615
06	MEAN	29.883	29.898	29.809	29.956	29.904	29.969	29.953	29.969	29.922	29.852	29.914	29.802	29.902
	S.D.	.393	.401	.344	.284	.252	.226	.197	.203	.276	.324	.340	.446	.321
	TOTAL OBS	310	279	310	300	307	300	309	310	299	310	296	310	3690
09	MEAN	29.896	29.918	29.821	29.967	29.911	29.975	29.959	29.980	29.936	29.869	29.929	29.819	29.914
	S.D.	.398	.402	.346	.285	.252	.227	.199	.205	.283	.325	.343	.441	.322
	TOTAL OBS	310	279	310	300	306	300	310	310	300	310	296	310	3641
12	MEAN	29.892	29.917	29.819	29.961	29.904	29.968	29.955	29.972	29.930	29.866	29.920	29.818	29.910
	S.D.	.399	.402	.344	.282	.251	.224	.196	.201	.277	.321	.348	.438	.320
	TOTAL OBS	310	279	310	300	306	300	309	310	299	310	297	310	3690
15	MEAN	29.877	29.897	29.802	29.947	29.893	29.956	29.943	29.958	29.910	29.851	29.903	29.807	29.895
	S.D.	.399	.399	.338	.279	.249	.220	.191	.195	.273	.316	.350	.435	.317
	TOTAL OBS	310	280	310	300	306	300	310	310	300	310	297	310	3643
18	MEAN	29.889	29.907	29.810	29.949	29.892	29.953	29.937	29.955	29.914	29.863	29.918	29.815	29.900
	S.D.	.397	.399	.338	.280	.246	.219	.188	.191	.267	.310	.348	.438	.316
	TOTAL OBS	310	280	310	300	306	300	310	310	300	310	297	310	3643
21	MEAN	29.900	29.912	29.823	29.969	29.914	29.972	29.956	29.978	29.932	29.870	29.927	29.818	29.914
	S.D.	.392	.398	.341	.283	.245	.221	.188	.193	.270	.323	.346	.448	.310
	TOTAL OBS	310	279	310	300	306	300	310	310	300	310	297	310	3692
ALL HOURS	MEAN	29.892	29.907	29.815	29.958	29.902	29.966	29.952	29.969	29.924	29.861	29.920	29.813	29.906
	S.D.	.393	.399	.342	.282	.249	.223	.193	.198	.274	.322	.343	.443	.319
	TOTAL OBS	2400	2230	2400	2400	2397	2400	2470	2400	2398	2400	2372	2400	29879

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8