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Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

ILLESHEIM AAF DL WBAN# 34190
N 49 28 E 010 23 FLD ELEV 1066 FT EDIK WMO # 10752

PARTS C, D, & E

POR FROM HOURLY OBS: MAR 69 - FEB 79

SEP 2 1 1979

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Susan V. Berry

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Scientific & Tehonical
Information Officer

27 FEB 1980

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REPORT DOCUMENTATION PAGE

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1 REPORT NUMBER: USAFETAC/DS- 80/012	2. GOVT ACCESSION NO.
3. RECIPIENT'S CATALOG NUMBER	
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17 DISTRIBUTION STATEMENT *(of the abstract entered in Block 20, if different from Report)*

18 SUPPLEMENTARY NOTES

19 KEY WORDS *(Continue on reverse side if necessary and identify by block number)*

*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)

20 ABSTRACT *(Continue on reverse side if necessary and identify by block number)*

This report is a six-part statistical summary of surface weather observations for Illesheim AAF, Uffenheim, Germany. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

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

* Germany * Illesheim AAF, DL

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.

ILLESHEIM AAF DL IS A LIMITED OBSERVATION

STATION AVERAGING 12 OBSERVATIONS PER DAY.

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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 DATA NOT AVAILABLE	PART E	DAILY MAX, MIN, & MEAN TEMP
	ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE		[illegible] MAX & MIN TEMP
PART B	PRECIPITATION DATA NOT AVAILABLE		PSYCHROMETRIC-DRY VS WET BULB
	SNOWFALL DATA NOT AVAILABLE		MEAN & STD DEV (DRY BULB, WET BULB, & DEW POINT)
	SNOW DEPTH DATA NOT AVAILABLE		RELATIVE HUMIDITY
PART C	SURFACE WINDS	PART F	STATION PRESSURE DATA NOT AVAILABLE
PART D	CEILING VERSUS VISIBILITY		SEA LEVEL PRESSURE DATA NOT AVAILABLE
	SKYCOVER 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: [illegible]-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 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 00-05, 21-23	APRIL 00-05, 21-23	JULY 00-05, 21-23	OCTOBER 00-05, 21-23
FEBRUARY 00-05, 21-23	MAY 00-05, 21-23	AUGUST 00-05, 21-23	NOVEMBER 00-05, 21-23
MARCH 00-05, 21-23	JUNE 00-05, 21-23	SEPTEMBER 00-05, 21-23	DECEMBER 00-05, 21-23

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
34190	Illesheim AAF, DL	N49 28	E 010 23	1066	EDIK	10752

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	Illesheim Germany	AAF	Mar 59	14 Apr 61	N 49 28	E 010 23	1060	1130	10-14
2	Same	AAF	15 Apr 61	Dec 70	Same	Same	1066	Same	11-14
3	Same	Same	Jan 71	Feb 79	Same	Same	Same	Same	12

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	Mar 59	Located on top of tower, approx. 200 yds S of active rnwy.	AN/GMQ-11	None	80 ft	
2	Mar 61	Located in tower.	Same	RO-2	Same	
3	Mar 63	Located on mast on tower cab.	Same	Same	75 ft	
4	Feb 79	Same	Same	Same	Same	

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PART C SURFACE WINDS

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

DATA NOT AVAILABLE

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 [illegible] value is presented when every month of the year has valid observations. Means and standard dev[illegible]s are also computed when four or more values are present for any column. A total raw count of valid o[illegible]rvations 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.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
34190	ILLESHEIM AAF DL	70-79	JAN

CLASS: ALL WEATHER

HOURS (L.S.T.): 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	.2	.7	.2									1.0	5.5
NNE	.3	.5	.3									1.2	5.1
NE	.3	.8	.3									1.5	4.8
ENE	2.1	1.7	.3	.2								4.3	3.6
E	5.1	4.6	2.0	1.6								13.5	5.3
ESE	2.0	2.0	1.3	.5								5.8	5.4
SE	.7	1.5	.7									2.8	5.0
SSE	1.0	.7	.3									2.0	4.2
S	.8	.8	1.3	1.5	.2	.2						4.8	9.4
SSW	1.0	1.2	1.3	.8	.2							4.5	7.4
SW	.7	1.8	1.7	.5	.2							4.8	7.2
WSW	1.5	2.1	4.1	2.0	.2							9.9	8.0
W	1.7	3.0	2.5	4.1	1.3	.7	.2					13.4	10.3
WNW	.2	.3	.5	.7	.2							1.8	10.5
NW		.2	.2									.3	6.0
NNW		.2										.2	6.0
VARBL	4.1	.5	.2	.5								5.3	3.4
CALM												23.1	
	21.6	22.4	17.2	12.5	2.1	.8	.2					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 606

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GLOBAL CLIMATOLOGY BRANCH
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SURFACE WINDS

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

34153 (STATION) ILLESHEIM AAF DL (STATION NAME) 7[illegible]-79 (YEARS) JAN (MONTH)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.1	.1									.4	5.0
NNE	.4		.1									.6	4.0
NE	.9	.3	.6									1.8	4.7
ENE	1.5	1.2	.7	.1								3.5	4.3
E	3.1	5.0	2.1	2.5								12.7	6.3
ESE	1.8	2.7	.7	.1								5.3	4.5
SE	.9	1.0	.4									2.4	4.3
SSE	.7	.9	.6	.3								2.5	6.0
S	.6	1.2	1.8	1.5	.3							5.3	9.2
SSW	.7	1.8	1.3	1.3	.1							5.3	8.0
SW	.6	.7	2.1	.9	.1							4.4	8.2
WSW	1.0	2.4	3.4	2.8	.4							10.0	9.0
W	.1	2.2	3.2	6.9	1.8	.7	.3					15.4	12.9
WNW	.6	.6	.4	.7	.3							2.7	9.2
NW	.1	.1	.4	.3								1.0	8.3
NNW	.4	.1	.1									.7	3.0
VARBL	2.1	1.2		.4								4.7	3.5
CALM												21.1	
	16.8	21.6	18.3	18.0	3.1	.7	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 677

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AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4		.1									.6	4.0
NNE	.3	.1	.1									.6	4.8
NE	1.5	1.3	.6	.1								3.6	4.5
ENE	2.4	1.5	.4									4.3	3.5
E	3.0	4.6	1.6	1.5	.1							10.9	5.8
ESE	1.8	3.1	1.2	.4								6.6	5.1
SE	.9	.9	.6									2.4	4.4
SSE	.7	1.6	.7	.9								4.0	7.2
S	.4	1.0	1.6	1.2	.1							4.5	8.6
SSW	.4	1.6	.9	.4								3.4	6.1
SW	.6	1.5	1.0	1.5		.1						4.8	8.4
WSW	.4	1.6	2.4	2.5	.3	.3						7.6	9.5
W	.4	2.1	4.0	9.0	2.2	1.9						19.4	12.5
WNW	.1	1.6	.7	.9								3.4	7.9
NW	.1	.4	.7	.6								1.9	9.0
NNW	.1	.3	.1	.1								.7	6.4
VARBL	4.5	1.0	.7	.6	.1							7.0	4.5
CALM												14.2	
	18.4	24.6	18.5	19.9	3.0	1.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (YEARS) JAN (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	.3	.3										.6	3.8
NNE	.2	.3										.5	4.0
NE	1.6	1.3	.6									3.5	4.0
ENE	1.1	.8	.3	<.3								2.5	5.3
E	4.2	4.2	3.8	1.4	.2							13.8	6.0
ESE	.9	3.1	.9									5.0	5.1
SE	1.1	1.4	.3	.2								3.0	4.9
SSE	.9	1.6	.8	.3								3.6	5.6
S	1.3	1.3	1.9	2.2								6.6	9.1
SSW	1.1	.9	1.3	.5	.2							3.9	7.0
SW	1.1	1.1	1.1	1.3								4.6	7.6
WSW	.8	2.0	3.1	1.4	.3							7.7	8.3
W	1.3	3.6	5.3	4.7	2.0	.5						17.5	10.3
WNW	1.7	1.1	1.4	.6								4.9	6.1
NW	.2	.5	.2	.2	.2	.2						1.3	10.1
NNW	.2	.2	.3									.6	6.3
VARBL	3.3	1.7	.2	.3								5.5	3.3
CALM												14.9	
	21.2	25.5	21.5	13.4	2.8	.6						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 636

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GLOBAL CLIMATOLOGY BRANCH
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SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-71,79 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE	2.3											2.3	3.0
ENE		2.3	2.3									4.5	6.0
E	4.5	2.3	18.2	2.3								27.3	7.6
ESE		4.5	2.3									6.8	6.7
SE		2.3										2.3	4.0
SSE													
S		2.3	2.3									4.5	7.5
SSW													
SW													
WSW	2.3		2.3	2.3								6.8	7.7
W			2.3	9.1								11.4	12.0
WNW													
NW													
NNW		2.3										2.3	4.0
VARBL	9.1											9.1	1.5
CALM												22.7	
	18.2	15.9	29.5	13.6								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 44

GLOBAL CLIMATOLOGY BRANCH
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SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF DI (STATION NAME) 70-79 (YEARS) JAN (MONTH)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.3	.1									.6	4.6
NNE	.3	.2	.2									.7	4.6
NE	1.1	.9	.5	.0								2.6	4.4
ENE	1.7	1.3	.5	.2								3.7	4.2
E	3.8	4.6	2.6	1.5	.1							12.9	5.9
ESE	1.5	2.8	1.1	.3								5.7	5.1
SE	.9	1.2	.5	.0								2.6	4.7
SSE	.8	1.2	.6	.4								3.0	6.0
S	.8	1.1	1.7	1.6	.2	.0						5.3	8.8
SSW	.8	1.4	1.2	.8	.1							4.2	7.2
SW	.7	1.3	1.4	1.0	.1	.0						4.6	7.9
WSW	.9	2.0	3.2	2.2	.3	.1						8.8	8.7
W	.5	2.7	3.9	6.3	1.9	.7	.1					16.4	11.6
WNW	.6	.9	.8	.7	.1							3.1	7.8
NW	.1	.3	.4	.3	.0	.0						1.1	8.9
NNW	.2	.2	.2	.0								.6	5.1
VARBL	3.9	1.1	.3	.5	.0							5.8	3.6
CALM												18.3	
	19.5	23.4	19.0	16.0	2.8	.9	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2636

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SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF GE (STATION NAME) 70-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.4	.4									.7	7.5
NNE	.2	.9	.4									1.5	5.5
NE	1.5	1.5	.2									3.2	3.9
ENE	1.3	2.1	.6	.2								4.1	4.7
E	3.4	3.2	.9	.4								7.9	4.3
ESE	1.9	1.7	.6									4.1	4.2
SE	.9	1.3										2.2	3.8
SSE	.6	.6										1.1	4.0
S	.7	1.5	1.3	.2								3.7	5.8
SSW	.7	2.4	1.9	.6								5.6	6.5
SW	1.1	2.1	1.3	.7								5.2	6.5
WSW	.4	2.6	3.4	3.6	.4		.2					10.5	9.4
W	1.7	1.5	4.7	4.7	.9		.2					13.6	10.2
WNW	.4	1.1	.4	.9	.2							3.0	8.3
NW	.2	1.7										1.9	4.6
NNW	.2	.2										.4	4.0
VARBL	2.8	1.9		.6								5.2	3.8
CALM												26.0	
	17.9	26.5	15.9	11.8	1.5		.4					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 535

GLOBAL CLIMATOLOGY BRANCH
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SURFACE WINDS

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

34139 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-74 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.3	.5									1.0	6.7
NNE	.3	.5										.8	3.4
NE	1.5	2.0	1.2	.2								4.8	5.1
ENE	1.5	2.0	.8	.3								4.6	4.9
E	3.8	6.0	2.7	.3								12.8	5.1
ESE	1.2	2.7	2.0	.2								6.0	5.4
SE	.7	.3										1.0	3.2
SSE	.7	.8	.5									2.0	5.3
S	.8	1.3	.8	.3								3.3	6.4
SSW	.7	1.5	3.0	.8								6.0	7.4
SW	.3	.7	2.3	1.0	.2							4.5	9.0
WSW	.3	2.3	2.5	3.0	.3							8.5	9.0
W	2.8	3.0	4.5	4.6	1.3	.3	.2					16.7	9.6
WNW	.3	.8		.5								1.7	7.5
NW	.7	.7		.5			.2					2.0	7.8
NNW	.3	.7										1.0	4.7
VARBL	2.8	1.7	.3	.7								5.5	4.7
CALM												17.9	
	18.9	27.2	21.1	12.4	1.8	.3	.3					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 603

4074

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34193 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.2	.7									.8	7.6
NNE	1.0	.7	.5	.2								2.4	5.4
NE	1.3	2.7	1.2									5.2	4.9
ENE	1.5	1.0	2.5	.7								5.7	6.5
E	2.2	6.6	2.4	.3								11.4	5.4
ESE	.3	2.4	1.3	.3								4.4	6.5
SE	.7	1.5	.5	.2	.2							3.0	6.2
SSE	.3	1.9	1.0									3.2	5.7
S	.5	1.5	2.0	.3								4.4	7.2
SSW	.7	1.2	.8	.5								3.2	6.5
SW	.3	.3	2.5	.7								3.9	8.5
WSW	.7	1.7	2.7	3.2	.8	.2						9.3	10.6
W	2.0	2.2	5.1	5.6	1.9							16.7	10.4
WNW	1.2	1.2	1.2	1.7	.3							5.6	8.3
NW	.5	.7	1.2	.7								3.0	7.2
NNW	.8	.7	1.0									2.5	5.3
VARBL	1.5	2.9	1.0	.5								5.9	5.3
CALM												9.4	
	15.7	29.1	27.6	14.8	3.2	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 594

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.9	.7									1.6	6.1
NNE	.7	.5	.4	.7								2.3	7.0
NE	1.6	2.5	1.6	.7								6.3	6.1
ENE	1.9	3.5	1.4	.7								7.6	5.8
E	1.9	5.3	1.1	.5								8.8	5.3
ESE	1.1	2.6	1.1									4.7	5.4
SE	.9	1.6		.5								3.0	5.5
SSE	1.2	1.8	1.1	.4								4.4	5.4
S	.5	1.9	1.2	.7								4.4	7.0
SSW	.5	.4	.7	.7								2.3	7.8
SW	.7	.9	.9	.7								3.2	6.9
WSW	.9	1.9	3.9	3.3	.7							10.7	9.7
W	.9	2.8	6.2	6.5	.9	.2						17.4	10.3
WNW	.5	1.2	2.5	.9								5.1	7.7
NW	.5	.5	1.1									2.1	6.2
NNW	1.1	1.4	.4									2.8	4.5
VARBL	1.6	.9	.7									3.2	4.1
CALM												10.2	
	16.5	30.6	24.6	16.3	1.6	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 569

4075

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF GE (STATION NAME) 72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE		4.0										4.0	6.0
NE			4.0	4.0								8.0	10.0
ENE													
E													
ESE													
SE		4.0										4.0	4.0
SSE				4.0								4.0	11.0
S			4.0	4.0								8.0	12.0
SSW			4.0									4.0	8.0
SW			4.0									4.0	8.0
WSW			4.0	4.0								8.0	11.0
W			12.0	20.0	4.0							36.0	12.2
WNW		4.0	4.0									8.0	5.5
NW			4.0									4.0	8.0
NNW													
VARBL	4.0											4.0	2.0
CALM												4.0	
	4.0	12.0	40.0	36.0	4.0							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 25

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	.5	.6									1.1	6.7
NNE	.6	.7	.3	.2								1.8	5.7
NE	1.5	2.1	1.1	.3								4.9	5.3
ENE	1.5	2.1	1.3	.5								5.5	5.6
E	2.8	5.2	1.8	.4								10.2	5.1
ESE	1.1	2.3	1.2	.1								4.8	5.4
SE	.6	1.2	.1	.2	.0							2.3	5.1
SSE	.7	1.2	.6	.1								2.7	5.4
S	.6	1.5	1.4	.4								4.0	6.8
SSW	.7	1.3	1.0	.6								4.3	7.0
SW	.6	.9	1.8	.8	.0							4.2	7.8
WSW	.6	2.1	3.1	3.3	.6	.0	.0					9.7	9.7
W	1.8	2.4	5.2	5.5	1.3	.1	.1					16.4	10.2
WNW	.6	1.1	1.0	1.0	.1							3.9	7.9
NW	.5	.9	.6	.3			.0					2.3	6.6
NNW	.6	.7	.3									1.7	4.8
VARBL	2.2	1.8	.5	.4								4.9	4.5
CALM												15.5	
	17.1	28.3	22.6	14.1	2.1	.2	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2329

40276

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF GE (STATION NAME) 60-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.9	.3									1.5	5.0
NNE		1.0	.7									1.7	6.3
NE	.2	1.9	1.2	.7								3.9	7.4
ENE	1.7	1.4	2.2	.5								5.8	6.5
E	2.7	1.2	2.0	.7								6.7	5.6
ESE	1.5	.9										2.4	3.2
SE	.3				.2							.5	7.3
SSE				.2								.2	12.0
S	.2	.5	.5	.9								2.0	9.0
SSW	.5	.5	1.0	.5								2.6	7.9
SW	.9	1.2	1.9	1.0	.3							5.3	8.2
WSW	1.9	1.5	2.7	2.7	.5	.2						9.6	9.2
W	1.9	6.0	1.9	4.4	.9	.3						15.4	8.5
WNW	1.2	.3		1.0								2.6	6.9
NW	.2	.3	.3									.9	6.2
NNW	.2	.2	.3									.7	5.5
VARBL	3.4	.3	.3									4.1	2.5
CALM												34.3	
	17.1	18.1	15.5	12.6	1.9	.5						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 586

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.3	.6									.9	8.0
NNE	1.3	1.0	.7	.3								3.3	5.6
NE	.7	1.6	3.0	2.3								7.6	8.2
ENE	2.6	1.1	2.3	1.9								7.9	6.9
E	1.7	3.1	1.6	2.3								8.7	7.0
ESE	.7	1.7	1.0	.1								3.6	5.6
SE	.4	.4	.7	.1								1.7	6.4
SSE		.9	.6									1.4	6.4
S		.9	1.1	.7								2.7	9.3
SSW	.1	1.1	.9	1.0	.3							3.4	9.5
SW	1.0	.9	.4	1.0	.3							3.6	8.0
WSW	.9	.4	3.3	2.4	.9							7.9	10.5
W	.9	3.3	5.9	5.0	1.6	.1						16.7	10.3
WNW	.9	.7	1.6	1.0								4.1	7.7
NW	.3	.7	.6	.3								1.9	7.2
NNW	.4	.3	.6	.3								1.6	6.7
VARBL	3.6	1.4	1.4	1.3	.3							8.0	5.9
CALM												15.0	
	15.5	19.9	26.2	20.0	3.3	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 699

4077

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) | ILLESHEIM AAF GL (STATION NAME) | 69-78 (YEARS) | MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.0	.3	.3								1.7	6.4
NNE	.7	.7	1.5	.3								3.2	6.5
NE	1.7	1.7	2.9	2.9	.3	.1						9.8	8.7
ENE	1.0	2.2	2.0	1.3								6.6	7.2
E	1.0	2.8	1.9	2.2								7.9	7.6
ESE	.6	2.8	1.3	.3								4.9	6.1
SE	.1	.7	.3									1.2	5.9
SSE	.7	.6	.7	.3								2.3	6.6
S	.4	1.2	1.6	.3								3.5	6.9
SSW	.4	.7	.6	.6	.1	.1						2.6	9.4
SW	.1	.4	.9	.6	.1	.3						2.5	11.1
WSW	.6	1.5	2.3	3.2	1.2	.1						8.9	11.0
W	1.7	3.1	5.2	5.2	2.8	1.7						19.2	11.2
WNW	1.2	2.5	1.0	1.3	.3							6.3	7.3
NW		.9	.9	.7								2.5	8.7
NNW	.7	.3	.1	.1								1.3	4.7
VARBL	3.5	2.0	3.9	1.5	.1							11.1	6.4
CALM												4.7	
	14.0	25.0	27.5	21.1	4.9	1.9						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 687

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF GE (STATION NAME) 69-75 (YEARS) MAR (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	.9	.6	.2								2.3	5.6
NNE	.5	1.7	1.4	1.2								5.1	7.4
NE	.3	1.7	2.2	2.9	.2							7.3	9.6
ENE	.8	1.9	2.3	1.1	.3							6.3	8.3
E	1.7	2.0	2.2	1.7	.2							7.7	7.2
ESE	.5	2.0	1.2	.2								3.9	5.7
SE	.2	1.4	.6	.3								2.5	6.8
SSE	.5	1.5	1.1									3.1	5.9
S	.3	1.5	1.1									2.9	5.8
SSW		.9	.6		.2							1.7	7.5
SW	.2	.8	.9	.9	.2	.2						3.1	9.9
WSW	.5	1.4	2.0	2.6	.9	.5						7.9	11.3
W	1.4	3.1	5.2	6.9	1.5	1.1						19.3	11.1
WNW	.9	2.0	1.2	1.5								5.7	7.2
NW	1.2	2.0	.9									4.2	4.7
NNW	1.4	1.5	.6	.3								3.9	5.2
VARBL	1.9	1.1	2.3	1.2	.3							6.8	7.2
CALM												6.5	
	13.0	27.5	26.5	21.1	3.7	1.7						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 648

4078

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34193 (STATION) ILLESHEIM AAF GL (STATION NAME) 70-71 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE	3.1	3.1	3.1	3.1								12.5	7.5
ENE	3.1	3.1										6.3	3.5
E	3.1	3.1										6.3	3.5
ESE													
SE		3.1	3.1									6.3	8.0
SSE													
S													
SSW													
SW		3.1										3.1	5.0
WSW			9.4	6.3	6.3							21.9	13.0
W	3.1	12.5	9.4	12.5	3.1							40.6	9.4
WNW													
NW													
NNW													
VARBL													
CALM												3.1	
	12.5	28.1	25.0	21.9	9.4							100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 32

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 59-78 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.8	.5	.1								1.6	6.0
NNE	.7	1.1	1.1	.5								3.3	6.6
NE	.8	1.7	2.4	2.3	.1	.0						7.3	8.6
ENE	1.5	1.7	2.2	1.2	.1							6.7	7.2
E	1.8	2.3	1.9	1.7	.0							7.8	7.0
ESE	.8	1.8	.9	.2								3.7	5.5
SE	.3	.7	.5	.1	.0							1.5	6.6
SSE	.3	.8	.6	.1								1.8	6.4
S	.2	1.0	1.1	.5								2.8	7.6
SSW	.3	.8	.8	.5	.2	.0						2.6	8.8
SW	.5	.8	1.0	.9	.2	.1						3.5	9.0
WSW	.9	1.2	2.7	2.8	.9	.2						8.7	10.5
W	1.5	3.9	4.7	5.5	1.7	.7						18.0	10.4
WNW	1.0	1.4	1.0	1.2	.1							4.7	7.3
NW	.4	1.0	.7	.3								2.3	6.5
NNW	.7	.6	.4	.2								1.8	5.5
VARBL	3.1	1.2	2.0	1.0	.2							7.5	6.0
CALM												14.4	
	15.0	22.8	24.2	19.0	3.6	1.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 2652

4079

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 55-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.4	.7									1.3	6.1
NNE	.7	.9	.4	.2								2.2	5.0
NE	.4	.5	1.6	.7								3.4	8.1
ENE	1.4	.7	1.6	.4	.2							4.3	6.7
E	1.3	1.4										2.7	3.6
ESE		.5										.5	4.7
SE	.2		.2									.4	5.0
SSE													
S	.2	.2	.4	.2	.4							1.3	10.6
SSW	.2	.4	2.2	.9								3.6	9.0
SW	.5	.5	2.7	2.2	.7							6.7	10.8
WSW	.9	2.2	5.6	3.2	.4		.2					12.5	9.4
W	1.3	2.7	6.0	2.3	2.0	.2						14.4	10.0
WNW	1.4	2.7	1.8	.2								6.1	5.9
NW	.2	1.1	.7	.2								2.2	6.5
NNW		.5	.9									1.4	6.9
VARBL	1.8	.4	.4									2.5	2.9
CALM	X	X	X	X	X	X	X	X	X	X	X	34.5	
	10.6	15.2	25.3	10.5	3.6	.2	.2					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 554

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34198 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.4	.4	.4								1.9	6.5
NNE	1.3	1.0	1.8	.1								4.3	5.8
NE	1.3	1.3	2.4	1.3								6.4	7.5
ENE	2.5	2.6	2.2	.7	.7							8.5	6.9
E	1.2	1.9	.9	1.2								5.2	6.7
ESE	.4	2.1	.1									2.7	4.8
SE	.6	.1	.6									1.3	5.3
SSE	.1	.7	.1									1.0	5.0
S	.4	.6	.1	.4	.3							1.9	8.7
SSW	.1	.7	.3	.3	.3							1.8	9.8
SW	.3	.1	.6	1.7	.3							3.1	11.6
WSW	.4	1.3	3.0	3.1	2.2	1.0						11.2	12.7
W	.4	2.5	4.5	6.0	3.4	.7						17.6	12.1
WNW	.7	1.5	2.8	1.5								6.6	7.9
NW	.3	1.0	1.5	.3								3.1	6.9
NNW	1.2	.7	1.0									3.0	5.1
VARBL	3.9	2.5	2.4	1.0								9.9	5.4
CALM												10.2	
	16.1	21.2	25.0	18.4	7.3	1.8						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 669

0804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF OL (STATION NAME) 69-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.8	.8									2.4	4.6
NNE	.6	1.8	.8	.5								3.6	6.3
NE	.3	1.5	2.9	.9	.5							6.0	9.0
ENE	1.4	1.4	2.4	2.0	.5							7.5	8.8
E	.6	1.2	.6	.9								3.5	7.7
ESE	1.1	1.7	.6	.2								3.6	5.0
SE	.3	.9	.2									1.4	4.9
SSE	.3	.2	.2	.3								.9	7.2
S	.3		.2	.3	.2							.9	10.2
SSW		1.5	.6	.3								2.4	6.9
SW	.2	.5	.9	.8	.5							2.7	10.6
WSW		1.4	2.6	4.2	1.5	1.7						11.3	13.8
W	.5	1.5	5.0	6.0	2.4	.9						16.3	12.4
WNW	1.7	1.8	2.4	2.7	.3							8.9	8.4
NW	.8	1.4	2.0	1.5	.2							5.7	8.4
NNW	.5	.8	1.1									2.3	6.5
VARBL	4.5	4.5	7.1	.3	.2							16.6	6.1
CALM												4.1	
	13.7	22.6	30.3	20.8	6.0	2.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 664

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5	1.1	.3								2.4	7.6
NNE	.6	.6	1.3	.5								3.0	7.4
NE	1.1	1.7	1.1	1.3	.6							5.8	8.3
ENE	1.4	2.5	2.7	1.9	.2							8.6	7.6
E	1.6	1.6	.9	.5								4.2	5.5
ESE	.6	.3	.5	.3								1.7	6.3
SE	.3	.2	.2	.2								.8	6.4
SSE	.5	.8	.2									1.4	4.4
S		.6	.6	.6								1.9	9.3
SSW	.6	1.4	.6	.5								3.1	6.2
SW	.8	.6	.9	1.3	.3							3.9	9.2
WSW	1.1	.9	2.0	3.1	2.0	.5						9.7	12.0
W	.5	1.9	5.3	6.4	2.5	.6						17.3	11.8
WNW	.3	.8	3.5	2.4	.8							7.7	10.6
NW	.6	2.5	2.2	1.1								6.4	7.6
NNW	1.1	.9	1.1	.6								3.8	6.8
VARBL	3.1	4.2	5.3	1.4	.2							14.3	6.6
CALM												3.9	
	14.8	21.8	29.5	22.3	6.6	1.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 637

4081

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF GE (STATION NAME) 73 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			3.3									3.3	8.0
NNE													
NE													
ENE													
E	3.3											3.3	2.0
ESE													
SE													
SSE													
S													
SSW			3.3	3.3								6.7	10.5
SW		3.3										3.3	6.0
WSW	3.3		6.7	3.3								13.3	8.5
W		6.7	16.7	10.0	10.0	3.3						46.7	12.2
WNW		3.3	3.3	6.7								13.3	9.8
NW		6.7										6.7	6.0
NNW													
VARBL	3.3											3.3	2.0
CALM													
	10.0	20.0	33.3	23.3	10.0	3.3						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 30

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190	ILLESHEIM AAF DL	69-78	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5	.6	.2								2.0	6.3
NNE	.8	1.1	1.1	.3								3.3	6.2
NE	.8	1.3	2.0	1.1	.3							5.4	8.2
ENE	1.7	1.7	2.2	1.3	.4							7.3	7.6
E	1.2	1.4	.7	.7								4.0	6.1
ESE	.5	1.2	.4	.1								2.2	5.2
SE	.4	.3	.3	.0								1.0	5.4
SSE	.2	.4	.1	.1								.9	5.4
S	.2	.4	.3	.4	.2							1.5	9.4
SSW	.2	1.0	.9	.5	.1							2.7	7.9
SW	.4	.5	1.2	1.4	.4							4.0	10.5
WSW	.6	1.4	3.2	3.4	1.6	.8	.0					11.2	12.0
W	.6	2.2	5.3	5.4	2.7	.7						16.8	11.7
WNW	1.0	1.7	2.7	1.8	.3							7.4	6.5
NW	.5	1.6	1.6	.8	.0							4.5	7.6
NNW	.7	.7	1.0	.2								2.6	6.2
VARBL	3.4	3.0	3.9	.7	.1							11.0	5.9
CALM												12.2	
	13.9	20.4	27.6	18.3	6.0	1.5	.0					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2554

USAFETAC FORM 0-8-5 (DL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

4082

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34197 (STATION) ILLESHEIM AAF DL (STATION NAME) 63-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1										1.5	4.3
NNE	.6	.2										.7	3.0
NE	1.1	1.5	.4	.2								3.1	4.6
ENE	2.9	2.4	1.1	.7								7.2	5.1
E	2.6	2.8	1.7	1.3								8.3	6.0
ESE	.9	1.5	.6									2.9	4.3
SE	.4	.2										.6	3.7
SSE	.7											.7	2.5
S	.4	1.1	.6									2.0	5.2
SSW	.4	1.1	.7		.2							2.4	7.1
SW	.4	1.3	1.7	1.5								4.8	8.5
WSW	.6	2.0	2.9	1.8	.2							7.5	8.4
W	2.2	4.0	6.2	3.5	.9							16.9	8.4
WNW	.5	2.0	.9	.4								3.9	5.9
NW		.6	.7	.2								1.5	8.3
NNW		.2		.2								.4	9.0
VARBL	4.2	.9	.4	.2								5.7	3.0
CALM												30.1	
	18.2	22.8	17.6	9.9	1.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 545

4083

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3419?	ILLESHEIM AAF DL	69-78	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.3	.2									.9	4.3
NNE	.9	1.5	.2									2.6	3.8
NE	.8	.6	1.7									3.0	6.3
ENE	2.6	2.1	.9	.6	.3							6.5	5.8
E	1.2	3.0	1.8	2.3	.5							8.8	8.2
ESE	.8	1.8	.9	.6	.3	.2						4.6	8.1
SE	.9	.6	.2									1.7	3.6
SSE	.2	.8	1.2									2.1	6.6
S	.2	.9	.6	.3								2.0	6.7
SSW	.5	.3	1.1	.2								2.0	6.6
SW	.5	1.4	1.2	.2	.5							3.6	8.0
WSW	1.1	1.7	1.8	2.0	.5							7.0	8.8
W	2.0	3.5	6.2	7.7	1.4							20.8	9.9
WNW	1.1	2.1	3.2	1.7	.2	.2						8.3	8.2
NW		1.5	.9	.6								3.0	7.8
NNW	.8	.2	1.1	.2								2.1	6.1
VARBL	3.5	3.5	2.6	.9	.2							10.6	5.6
CALM												10.3	
	17.1	25.8	25.6	17.1	3.6	.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34191	ILLESHEIM AAF DL	69-73	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.8	.3									1.9	4.3
NNE	.3	.8	.6									2.2	4.6
NE	.5	.5	1.1	.5								2.5	7.2
ENE	.6	2.6	1.6	.6	.3	.3						6.2	8.1
E	1.9	1.7	1.6	1.7	.3							7.2	7.7
ESE	.6	1.9	.9	.5			.2					4.0	7.4
SE	.5	1.1	.5	.2								2.5	5.1
SSE	.2	.6	.3									1.1	5.6
S	.8	1.1	.8	.3								3.0	5.8
SSW	.3	.8	.5									2.0	5.1
SW	.9	1.2	.9		.5							3.6	7.0
WSW	.6	1.2	1.1	1.4	.5	.5						5.3	10.6
W	1.7	3.1	4.2	7.2	1.4	.3						17.9	10.3
WNW	.3	2.8	3.1	1.9	.2							8.2	8.6
NW	.3	1.2	1.7	1.1								4.4	7.8
NNW	.9	2.0	.5									3.4	4.9
VARBL	3.1	6.2	7.3	2.3								19.0	6.5
CALM												5.8	
	15.6	29.7	26.9	17.7	3.1	1.1	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 643

4084

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190	ILLESHEIM AAF GE	69-78	MAY
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	.8	.8	.2									1.8	3.9
NNE	1.0	1.8	.2									3.0	4.2
NE	1.0	1.5	1.7	.3								4.7	6.4
ENE	.8	1.8	2.0	1.2	.2							6.0	8.0
E	1.3	3.0	1.3	1.7	.5							7.9	7.8
ESE	1.0	2.0	1.0	1.0								5.0	6.5
SE	.5	.2	.2	.2								1.0	5.7
SSE	.3	.5	.5									1.3	5.3
S	1.2	.8	.5									2.5	4.1
SSW	1.0	.3										1.3	2.6
SW	.3	.3	1.2		.2							2.0	7.8
WSW	.7	1.0	1.5	1.5	.2	.8						5.7	11.3
W	1.0	3.2	3.9	5.7	1.8	.2						15.7	10.8
WNW	1.5	2.5	3.4	2.0	.2							9.5	8.0
NW	.3	2.3	1.5	.3								4.5	6.3
NNW	.5	2.7	1.2									4.4	5.5
VARBL	5.5	5.2	4.5	2.8								18.1	6.0
CALM												5.4	
	18.9	30.2	24.6	15.9	3.0	1.0						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34157 (STATION) ILLESHEIM AAF GE (STATION NAME) 70 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE			3.8									3.8	8.0
NE			3.8									3.8	7.0
ENE		3.8	3.8	3.8	3.8							15.4	10.3
E		3.8		3.8								7.7	9.0
ESE			7.7	3.8								11.5	12.0
SE													
SSE													
S													
SSW													
SW													
WSW				3.8	3.8		3.8					11.5	21.0
W			3.8	3.8								7.7	13.0
WNW	3.8		3.8	7.7								15.4	9.5
NW	3.8		3.8									7.7	4.5
NNW													
VARBL	7.7	3.8										11.5	3.3
CALM												3.8	
	15.4	11.5	30.8	26.9	7.7		3.8					100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 26

4085

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF GE (STATION NAME) 69-78 (YEARS) MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.7	.2									1.5	4.2
NNE	.5	1.1	.3									2.2	4.1
NE	.8	1.0	1.3	.3								3.2	6.2
ENE	1.7	2.3	1.4	.2	.2	.1						6.6	6.8
E	1.7	2.6	1.6	1.8	.3							8.0	7.5
ESE	.8	1.8	.9	.6	.1	.0	.0					4.2	7.0
SE	.6	.5	.2	.1								1.5	4.6
SSE	.3	.5	.5									1.3	5.5
S	.6	1.0	.6	.2								2.3	5.4
SSW	.6	.6	.6	.0	.0							1.9	5.6
SW	.5	1.1	1.2	.4	.3							3.4	7.8
WSW	.7	1.5	1.8	1.7	.4	.3	.0					6.4	9.8
W	1.7	3.4	5.1	6.1	1.4	.1						17.8	9.9
WNW	.9	2.3	2.7	1.6	.1	.0						7.7	8.0
NW	.2	1.4	1.3	.6								3.4	7.3
NNW	.6	1.3	.7	.1								2.6	5.5
VARBL	4.1	4.0	3.8	1.6	.0							13.5	5.8
CALM												12.3	
	17.4	27.0	24.0	15.7	2.9	.5	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 2471

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF OL (STATION NAME) 55-76 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.7	.2									1.2	4.9
NNE	1.0	.3	.7									2.0	4.3
NE	1.2	.8										2.0	2.8
ENE	3.0	2.7	1.2	.3								7.2	4.3
E	2.2	1.5	.3	.3								4.3	4.1
ESE	.8	.2										1.0	2.0
SE													
SSE	.2	.3										.5	3.7
S	.3	.3	.2	.2								1.0	6.0
SSW	.3	.7	.3									1.3	5.5
SW	.7	1.0	.3									2.0	4.4
WSW	2.5	1.7	2.8		.2							7.2	5.9
W	3.3	6.3	5.3	4.0								19.0	7.2
WNW	2.5	2.5	2.0	.3								7.3	5.4
NW	.2	.8	1.0	.2								2.2	6.8
NNW		.8	.2									1.0	5.8
VARBL	2.5	1.3	.2									4.0	2.8
CALM												36.8	
	21.0	22.0	14.7	5.3	.2							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 600

4086

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192	ILLESHEIM AAF DL	69-78	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.1	1.1									3.2	5.3
NNE	1.5	.9	.6	.2								3.2	4.4
NE	1.5	1.7	1.4	.2								4.7	5.2
ENE	3.6	3.2	1.5	1.1								9.4	5.1
E	2.0	2.4	1.7	1.2	.2							7.4	6.6
ESE	.6	2.3	.5									3.3	4.5
SE	.2	.5										.6	4.3
SSE	.8	.3	.2									1.2	3.1
S	.5	.5	.2									1.1	4.4
SSW	.3	1.1	.3	.2								1.8	5.6
SW	.3	.5	.6	.5								1.8	7.2
WSW	1.4	1.7	1.4	.8	.2							5.3	7.1
W	2.0	6.2	7.7	6.1	.2							22.1	8.2
WNW	1.4	3.5	3.0	.5								8.3	6.2
NW	.8	2.3	1.5	.3								4.8	6.0
NNW	.6	1.2	.6									2.4	5.0
VARBL	2.7	4.4	2.7	.8								10.6	5.6
CALM												8.6	
	21.1	33.5	24.8	11.5	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 660

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF GE (STATION NAME) 69-78 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.4	.6									3.3	4.2
NNE	1.3	1.7	1.1	.3								4.5	5.9
NE	.9	1.9	1.1	.8								4.7	7.0
ENE	2.5	3.1	2.2	.9								8.8	6.0
E	1.4	2.0	1.6	1.4	.6							7.1	7.9
ESE	1.6	.5	.3									2.4	3.4
SE	.3		.3									.6	4.8
SSE	.3	.3										.6	3.8
S	.9	.5	.5	.2								2.0	5.2
SSW	.3	.6	.2									1.1	4.6
SW	.3	.5	.2	.8	.2							1.9	9.5
WSW	.6	2.0	1.4	.6	.6							5.5	8.5
W	1.3	4.1	8.2	4.1	.9							18.5	8.9
WNW	1.3	4.2	3.6	2.7								11.8	7.7
NW	1.3	1.4	2.5	1.3								6.4	7.1
NNW	1.3	1.6	1.3	.6								4.7	6.2
VARBL	1.7	4.7	5.2	1.3								12.9	6.8
CALM												3.3	
	18.5	30.6	30.1	15.2	2.4							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 638

4087

USAFETAC FORM JUL 65 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 (STATION) | ILLESHEIM AAF GE (STATION NAME) | 69-78 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.6	1.4									5.5	4.8
NNE	1.7	1.0	2.1	.5								5.4	5.9
NE	1.7	1.2	2.1	1.2								6.2	6.9
ENE	1.0	3.1	1.7	1.0	.3							7.8	6.8
E	1.7	1.7	1.4	.3	.2							5.4	6.0
ESE	1.2	1.2	.3	.2	.3							3.3	6.1
SE	.3	.5		.3	.2							1.4	9.3
SSE	.2	.3		.2								.7	6.0
S	1.0	.3		.3								1.7	4.7
SSW	.5	.3	.2	.3								1.4	6.0
SW	.7	.5	.3	.7	.3	.2						2.8	9.3
WSW	.5	2.8	2.1	.5	.2							6.1	7.3
W	2.4	4.5	5.4	4.5	1.0							17.8	8.7
WNW	1.4	3.1	3.3	1.7								9.5	7.3
NW	.2	1.7	2.4	.5								4.8	7.3
NNW	1.0	1.9	1.6	.5								5.0	6.2
VARBL	1.7	4.8	3.8	1.0								11.4	6.3
CALM												3.8	
	19.6	31.8	28.0	14.0	2.6	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 578

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 STATION | ILLESHEIM AAF DL STATION NAME | 69-71 YEARS | JUL MONTH

ALL WEATHER CLASS | 1800-2000 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.4		3.4									6.9	5.0
NNE													
NE		3.4	3.4									6.9	6.5
ENE		3.4	6.9									10.3	8.3
E		3.4	3.4									6.9	6.5
ESE	3.4			3.4								6.9	7.5
SE													
SSE													
S													
SSW													
SW			3.4		3.4							6.9	13.0
WSW			3.4									3.4	9.0
W		6.9	6.9	6.9								20.7	8.2
WNW		3.4	10.3	3.4								17.2	8.8
NW			6.9	3.4								10.3	9.3
NNW													
VARBL		3.4										3.4	4.0
CALM													
	6.9	24.1	48.3	17.2	3.4							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 29

4088

USAFETAC FORM JUL 54 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192	ILLESHEIM AAF DL	69-78	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.4	.8									3.3	4.8
NNE	1.4	1.0	1.1	.3								3.7	5.4
NE	1.3	1.4	1.2	.5								4.4	6.0
ENE	2.7	3.0	1.7	.8	.1							8.3	5.6
E	1.8	2.0	1.3	.8	.2							6.1	5.4
ESE	1.1	1.0	.3	.1	.1							2.6	4.6
SE	.2	.2	.1	.1	.0							.6	6.9
SSE	.4	.3	.0	.0								.8	3.9
S	.7	.4	.2	.2								1.4	5.1
SSW	.4	.7	.2	.1								1.4	5.5
SW	.5	.6	.4	.5	.2	.0						2.2	7.9
WSW	1.2	2.0	1.9	.5	.3							5.9	7.1
W	2.2	5.3	6.7	4.7	.5							19.4	8.2
WNW	1.6	3.4	3.1	1.3								9.3	6.8
NW	.6	1.6	1.9	.6								4.7	6.9
NNW	.7	1.4	.9	.3								3.2	5.9
VARBL	2.2	3.8	3.0	.8								9.7	5.9
CALM												12.8	
	19.9	29.5	24.8	11.6	1.4	.0						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2505

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3419.. (STATION) ILLESHEIM AAF OL (STATION NAME) 69-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.3	.2									1.2	3.7
NNE													
NE	1.7	.5										2.2	2.5
ENE	2.2	1.5										3.7	3.2
E	2.0	1.2	.3									3.5	3.0
ESE	.3	.3										.7	3.3
SE	.3											.3	2.5
SSE													
S	.3	.5	.2		.2							1.2	6.0
SSW		.3	.7									1.0	7.3
SW	1.3	2.0	.7	.3								4.3	5.3
WSW	1.8	4.7	3.6	1.2	.2							11.7	6.6
W	3.3	4.8	6.0	2.8								17.1	6.9
WNW	1.5	2.0	1.7	.5								5.7	6.1
NW	.3	.5	.2									1.0	4.7
NNW	.7	.5	.3									1.5	4.1
VARBL	2.5	.8	.2	.2								3.7	3.3
CALM												41.3	
	19.1	20.1	14.2	5.0	.3							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 598

4089

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24193 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.9	.8		.2							2.3	6.3
NNE	.8	.5	.2									1.4	3.1
NE	1.6	.9	.5									2.9	3.9
ENE	2.3	2.3	.8									5.4	3.9
E	1.7	1.9	1.0	.6								5.7	5.8
ESE	.9	.9	.3									2.2	4.6
SE	.5	.2	.2									.8	4.4
SSE		.3	.6									.9	6.5
S		.3	.2									.5	6.3
SSW	.3	.3	.9	.5								2.0	8.6
SW	.3	.6	.9	.5								2.3	7.7
WSW	1.1	3.7	2.2	2.2	.5							9.6	7.9
W	1.9	4.2	9.1	5.9	.6							21.7	8.9
WNW	.9	2.8	2.6	1.1								7.4	7.1
NW	1.4	2.0	.6	.2		.2						4.3	5.4
NNW	1.2	.3	.3	.2								2.0	4.5
VARBL	4.7	7.3	4.8	.9								17.7	5.5
CALM												10.7	
	20.0	29.5	26.5	11.9	1.2	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 645

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | JUL MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.9	.3									2.5	4.0
NNE	.2	.6										.8	4.8
NE	.9	.9	.9									2.8	5.5
ENE	1.7	1.9	.6	.2								4.4	4.5
E	1.9	2.2	1.1	.3								5.5	5.1
ESE	.3	.6	.5	.6								2.2	7.6
SE		.9										.9	4.8
SSE	.5	1.1	.2									1.7	4.7
S	.3	.6	.5	.3								1.7	6.9
SSW	.5	.6	.3	.2								1.6	5.3
SW	.3	.6	.2	1.4	.2							2.7	10.3
WSW	.2	1.9	2.7	1.9	.3	.2						7.1	9.5
W	2.7	3.6	8.0	6.3	.5	.2						21.2	8.9
WNW	.6	1.9	3.8	1.9								8.2	8.1
NW	1.9	2.7	1.6	.6								6.7	5.7
NNW	2.2	1.7	.8	.3								5.0	4.8
VARBL	4.5	7.7	6.6	1.6								20.4	6.0
CALM												4.7	
	19.9	30.7	27.9	15.5	.9	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 638

4090

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190	ILLESHEIM AAF DL	64-75	JUL
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	1.4	1.4	.7									3.5	4.4
NNE	1.1	.5	.4									1.9	4.7
NE	.7	1.4	.9	.2								3.2	5.9
ENE	1.4	1.6	.9	.5								4.4	5.6
E	1.8	.7	.2	.4								3.0	4.2
ESE	.2	.2	.2	.2								.7	6.8
SE	.4											.4	2.5
SSE	.7	.2										.9	2.4
S	.7	.9	.5									2.1	5.0
SSW	.7	.9	.5	.2								2.3	6.0
SW	.7	.5	1.2	.7	.2							3.3	8.3
WSW	.5	2.1	2.8	.9	.4							6.7	8.5
W	.4	7.0	9.7	5.1	.9	.2						23.2	9.0
WNW	1.9	2.3	4.8	1.2								10.2	7.2
NW	.9	3.3	1.9	.2								6.3	6.0
NNW	.5	2.1	2.3									4.9	6.4
VARBL	3.5	8.5	5.5	1.2								18.7	6.0
CALM												4.2	
	17.4	33.6	32.4	10.7	1.4	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 568

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34191 (STATION) ILLESHEIM AAF OL (STATION NAME) 69-70,74 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1300-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			5.9									5.9	7.3
NNE		2.0										2.0	4.0
NE			5.9									5.9	9.0
ENE													
E	2.0	2.0	2.0	2.0								7.8	6.8
ESE			2.0									2.0	8.0
SE													
SSE													
S		2.0										2.0	5.0
SSW													
SW													
WSW	2.0	2.0	7.8	5.9	2.0							19.6	10.2
W		9.8	9.8	3.9	2.0							25.5	8.9
WNW	3.9	7.8	5.9	2.0								19.6	6.3
NW		2.0										2.0	4.0
NNW													
VARBL	2.0	5.9										7.8	3.5
CALM													
	9.8	33.3	39.2	13.7	3.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 51

4081

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34196 (STATION) ILLESHEIM AAF DL (STATION NAME) 65-75 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.9	.6		.0							2.4	4.8
NNE	.5	.4	.1									1.0	4.2
NE	1.2	.9	.7	.0								2.8	4.8
ENE	1.9	1.8	.6	.2								4.4	4.3
E	1.0	1.5	.8	.4								4.6	4.9
ESE	.4	.6	.3	.2								1.5	5.9
SE	.3	.3	.0									.6	4.1
SSE	.3	.4	.2									.9	4.7
S	.3	.6	.3	.1	.0							1.4	5.9
SSW	.4	.5	.6	.2								1.7	5.8
SW	.6	.9	.7	.7	.1							3.1	7.6
WSW	.9	3.1	3.0	1.6	.4	.0						9.0	8.0
W	2.0	5.0	8.2	5.0	.5	.1						20.9	8.5
WNW	1.3	2.4	3.2	1.2								8.1	7.2
NW	1.1	2.1	1.0	.2		.0						4.6	5.7
NNW	1.2	1.1	.9	.1								3.3	5.3
VARBL	3.8	6.1	4.2	1.0								15.0	5.7
CALM												14.8	
	19.0	28.6	25.5	11.0	1.0	.2						100.3	5.7

TOTAL NUMBER OF OBSERVATIONS 2500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192	ILLESHEIM AAF GE	53-76	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6											.6	2.3
NNE	.4	.3										.7	3.6
NE	.7	.3	.3									1.3	4.0
ENE	2.8	1.6	.3									4.8	2.9
E	2.4	2.8	.9									6.1	4.1
ESE	.7	.7										1.5	3.8
SE		.1										.1	6.0
SSE	.3											.3	1.5
S	.1											.1	1.0
SSW	.3	.9										1.2	3.6
SW	.9	.9	1.5									3.3	5.5
WSW	3.0	2.7	2.5	.7	.3							9.3	6.1
W	3.0	4.0	3.0	1.0	.3							11.4	6.1
WNW	.5	1.9	1.2									4.0	5.4
NW	.6	1.0	.6	.1								2.4	6.0
NNW	.7	.1										.9	2.2
VARBL	2.4	.7	.4									3.6	3.1
CALM												48.1	
	20.1	18.4	10.8	1.9	.6							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 667

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34197 (STATION) ILLESHEIM AAF GL (STATION NAME) 69-73 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	.9										2.0	3.2
NNE	1.4	.1	.3									1.8	3.3
NE	1.7	1.8	.6									4.1	3.9
ENE	2.3	1.8	1.8	.3								6.3	5.2
E	2.3	4.8	1.8	.3								9.2	5.2
ESE	1.1	3.0	.4	.3								4.8	5.0
SE	.6	.4	.4	.1								1.6	5.2
SSE		.7										.7	5.2
S	.6	.4	.4									1.4	4.6
SSW	.4	.7	.1									1.3	4.8
SW	.7	.9	.4	.3								2.3	5.8
WSW	1.6	1.7	1.7	1.8	.4	.3						7.5	8.2
W	1.6	3.0	6.0	3.4	.7							14.7	8.7
WNW	2.4	2.4	1.4	.6								6.8	5.6
NW	1.3	2.3	1.7	.3								5.5	5.8
NNW	.7	1.0	.1									1.8	4.5
VARBL	4.3	5.7	4.4	1.0		.1						15.5	5.7
CALM												12.5	
	24.0	31.7	21.8	8.4	1.1	.4						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 703

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 ILLESHEIM AAF DL — 69-78 — AUG

STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — CLASS

1200-1400 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	.4									2.6	4.0
NNE	1.5	1.5	.6									3.5	4.3
NE	1.3	1.0	.7	.6								3.6	5.5
ENE	.6	1.7	2.2	1.2								5.7	7.4
E	1.2	3.3	1.9	.4								6.8	6.0
ESE	.9	3.3	.9	.1								5.2	5.6
SE	1.0	.6	.4									2.0	4.5
SSE	.7	.3	.1									1.2	2.8
S	.3	.4	.4									1.2	5.9
SSW	.6	.4										1.0	3.6
SW	.3	.3	.4	.1	.1							1.3	8.2
WSW	1.3	1.6	2.2	1.9	.7	.1						7.8	9.0
W	2.2	3.2	4.9	4.5	.6	.3						15.7	9.1
WNW	1.7	2.5	2.5	.6								7.3	6.1
NW	1.7	2.5	.7	.3								5.2	5.0
NNW	1.6	1.5	1.5	.1								4.6	5.2
VARBL	4.1	7.3	8.7	1.6								21.6	6.3
CALM												3.6	
	22.1	32.4	28.6	11.5	1.5	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 689

4084

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34197	ILLESHEIM AAF GE	61-78	AUG
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	1.1	2.2	.5									3.8	4.5
NNE	1.3	1.6	.8									3.7	4.9
NE	.2	2.2	1.1	.6								4.2	6.8
ENE	.3	.8	2.6	.6								4.5	7.6
E	1.1	3.4	2.4	1.0								7.8	6.3
ESE	.2	2.2	.5									2.9	5.3
SE		1.4	.6									2.1	6.2
SSE	.2	.8	.2									1.1	4.9
S	.6	.8	.3	.2								1.9	5.1
SSW	.5	.5	1.0									1.9	6.3
SW	.3	1.1	.5	.3								2.2	6.4
WSW	.2	.8	1.9	1.1	.5							4.5	9.6
W	1.1	3.7	5.6	5.1	1.1							16.6	9.4
WNW	2.2	3.2	2.6	.6		.2						8.8	6.1
NW	1.3	2.7	1.1									5.1	5.3
NNW	1.8	2.4	1.0	.3								5.4	5.3
VARBL	2.9	3.3	5.8	1.3	.3							18.6	6.4
CALM												4.8	
	15.4	38.2	28.3	11.2	1.9	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 625

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-70,76 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N				1.2								1.2	12.0
NNE		1.2										1.2	5.0
NE	1.2	1.2	6.1	1.2								9.8	7.6
ENE			1.2	1.2								2.4	11.0
E	1.2	2.4	1.2	1.2								6.1	6.4
ESE	2.4	1.2	1.2	1.2								6.1	6.0
SE	2.4											2.4	2.0
SSE		1.2										1.2	4.0
S		2.4	1.2									3.7	5.7
SSW	1.2	1.2										2.4	3.5
SW	1.2	1.2										2.4	3.5
WSW	2.4		1.2	4.9								8.5	9.7
W	3.7	3.7	6.1	3.7								17.1	7.4
WNW			2.4									2.4	10.0
NW													
NNW	1.2	1.2	2.4									4.9	5.8
VARBL	4.9	2.4	1.2		1.2							9.8	5.5
CALM												18.3	
	22.0	19.5	24.4	14.6	1.2							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 82

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) | ILLESHEIM AAF DL (STATION NAME) | 69-78 (YEARS) | AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	.2	.0								2.2	4.0
NNE	1.1	.9	.4									2.4	4.3
NE	1.0	1.3	.8	.3								3.5	5.4
ENE	1.5	1.5	1.7	.5								5.2	5.8
E	1.8	3.6	1.7	.4								7.6	5.4
ESE	.9	2.3	.5	.1								3.7	5.1
SE	.5	.6	.4	.0								1.5	5.1
SSE	.3	.5	.1									.8	3.9
S	.4	.5	.3	.0								1.2	5.1
SSW	.5	.6	.2									1.4	4.7
SW	.6	.8	.7	.2	.0							2.2	6.1
WSW	1.5	1.7	2.1	1.5	.5	.1						7.3	8.0
W	2.0	3.5	4.9	3.5	.6	.1						14.5	8.4
WNW	1.7	2.4	1.9	.4		.0						6.5	6.0
NW	1.2	2.0	1.0	.2								4.4	5.4
NNW	1.2	1.2	.7	.1								3.2	4.9
VARBL	3.4	5.3	4.7	.9	.1	.0						14.5	6.0
CALM												17.9	
	20.5	29.6	22.1	8.3	1.2	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 2804

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34196	ILLSHEIM AAF OL	52-78	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3											.3	2.5
NNE	.2	.2										.3	3.5
NE	.3	.5	.6	.2								1.5	6.4
ENE	1.2	1.2	.6									3.2	4.7
E	2.5	.8	.5									3.7	3.3
ESE	.2	.6	.6									1.4	5.4
SE	.2											.2	2.0
SSE	.2	.3										.6	4.0
S	.5	.6	.8	.3								2.2	6.6
SSW	.6	.6	1.1	.3								2.6	7.2
SW	1.1	2.2	.6	.6	.2							4.6	6.6
WSW	2.2	3.1	3.9	1.2	.3							10.6	7.0
W	4.5	3.9	1.6	2.0	.8							12.9	6.5
WNW	1.8	1.2		.2	.2							3.4	4.3
NW	.3	.5	.3									1.1	5.4
NNW	.2											.2	2.0
VARBL	1.8	.8	.2									2.8	3.2
CALM												48.4	
	18.0	16.3	11.1	4.8	1.4							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 649

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34196	ILLESHEIM AAF GE	69-78	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.4	.1									1.5	4.0
NNE	.3	.3										.6	3.5
NE	1.2	1.6	2.2	.4								5.4	6.1
ENE	2.6	1.5	1.5	.6								6.1	5.0
E	1.9	1.5	1.8	.7								5.8	6.0
ESE	.6	1.0	.4	.4								2.5	6.1
SE	.1	.6	.1									.9	5.2
SSE		.4	.1									.6	6.0
S	.7	.1	.7	.1								1.8	6.0
SSW	.6	.7	1.6	.3	.1							3.4	7.8
SW	.7	.3	1.3	.4								2.8	7.2
WSW	.3	2.6	2.6	1.5	.7	.1						7.9	9.1
W	2.3	3.5	7.7	3.5	1.6	.3	.3					19.3	9.4
WNW	1.3	1.5	1.8	.7	.1	.1						5.5	7.1
NW	.6	1.6	.7									2.9	5.4
NNW	.7	.6										1.3	3.0
VARBL	4.2	3.1	1.8	.9	.3							10.2	5.3
CALM												21.6	
	19.1	21.3	24.5	9.6	2.9	.6	.3					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 685

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF GE (STATION NAME) 63-78 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.6	.1									1.8	3.3
NNE	.7	.7	.1	.1								1.8	4.4
NE	1.9	1.5	1.0	.4								4.8	5.3
ENE	2.5	1.6	1.3	.6								6.0	5.5
E	2.0	2.8	2.0	.1								7.0	5.3
ESE		.9	.9									1.8	6.6
SE	.3	.7	.1									1.2	4.6
SSE	.3	.6	.3	.1								1.3	5.7
S	.4	1.0	.6	.3								2.3	6.3
SSW	1.0	.3	.7	.1								2.7	5.3
SW	.4	1.9	1.0	.4								3.8	7.0
WSW	1.2	1.5	2.0	2.2	.4	.1						7.5	9.1
W	1.3	3.5	7.5	5.0	1.9	.6	.3					20.0	10.7
WNW	1.0	2.3	1.6	.1	.6							5.7	7.2
NW	.4	1.5	1.3									3.2	5.8
NNW	1.0	1.5	.7	.1								3.4	5.0
VARBL	4.8	7.6	5.1	1.9								19.4	5.8
CALM												6.9	
	20.5	30.4	26.6	11.7	2.9	.7	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 684

4098

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34191	ILLESHEIM AAF GL	65-78	SEP
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	.3	1.2	.9									2.5	6.1
NNE	.2	.6	.6	.2								1.7	6.8
NE	.6	1.6	2.2	.5								4.8	7.0
ENE	2.2	1.4	2.0	.2	.2							5.9	5.8
E	2.2	1.7	1.4	.3								5.6	5.2
ESE	1.1	1.4	.3	.3								3.1	4.9
SE	.5	.2										.6	2.3
SSE	.2	.5	.3									.9	5.7
S	.5	1.2	1.7	.2								3.6	6.6
SSW	.6	1.4	.6	.2								3.0	5.4
SW	.2	.8	1.1									2.0	6.6
WSW	1.1	1.9	3.4	1.0	.5							8.4	8.3
W	1.6	4.0	7.5	5.3	1.7	.3						20.4	9.7
WNW	1.4	2.3	2.0	.2	.3							5.2	6.6
NW	.5	1.7	1.7	.3								4.2	6.7
NNW	1.6	1.9	.6									4.0	4.4
VARBL	3.4	7.8	3.1	1.4	.3							16.0	6.0
CALM												7.0	
	17.9	31.5	29.9	10.4	3.0	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 643

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34139 (STATION) ILLESHEIM AAF DL (STATION NAME) 65-70,76 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.8										1.7	3.0
NNE		.8	1.7	.8								3.3	8.8
NE	.8		2.5									3.3	7.5
ENE	.8	.8	.8	.8								3.3	7.8
E	.8	2.5	1.7									5.0	5.8
ESE	1.7											1.7	2.0
SE	.8	.8										1.7	2.5
SSE	1.7		.8									2.5	3.7
S	1.7	.8	1.7									4.2	5.2
SSW	1.7											1.7	2.0
SW	1.7	1.7										3.3	3.5
WSW	1.7	4.2	4.2	.8								10.8	6.4
W	3.3	7.5	4.2	3.3	1.7							20.0	7.5
WNW	1.7	2.5	.8									5.0	4.2
NW	.8	4.2	1.7									6.7	5.6
NNW	2.5											2.5	2.7
VARBL	.8	.8	.8		.8							3.3	7.8
CALM												20.0	
	23.3	27.5	20.8	5.8	2.5							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 120

4089

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF DL (STATION NAME) 59-78 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.5	.3									1.4	4.5
NNE	.3	.4	.3	.1								1.1	5.6
NE	1.8	1.2	1.5	.3								3.9	6.2
ENE	2.0	1.3	1.3	.3	.0							5.0	5.4
E	2.0	1.6	1.4	.3								5.3	5.1
ESE	.5	.9	.5	.2								2.1	5.5
SE	.3	.4	.1									.7	4.0
SSE	.2	.4	.2	.0								.9	5.2
S	.0	.8	1.0	.2								2.6	6.3
SSW	.9	.7	1.0	.2	.0							2.9	6.3
SW	.5	1.4	1.0	.3	.0							3.6	6.3
WSW	1.4	2.4	2.9	1.5	.4	.1						8.8	7.9
W	2.9	3.9	5.8	3.7	1.4	.3	.1					18.2	9.0
WNW	1.5	1.9	1.3	.3	.3	.0						5.2	6.3
NW	.4	1.4	1.0	.1								2.9	5.9
NNW	.9	.9	.3	.0								2.1	4.3
VARBL	3.3	4.4	2.5	1.0	.2							11.3	5.6
CALM												21.9	
	19.6	24.6	22.3	8.6	2.4	.4	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 2919

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

0114

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34197 (STATION) ILLESHEIM AAF DE (STATION NAME) 69-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.1										1.4	3.8
NNE	.2	.8	.2									1.1	5.1
NE	.3	1.2										1.5	4.0
ENE	3.6	1.2	.3	.5								5.6	3.7
E	5.0	2.9	.6									8.5	3.3
ESE	1.1	1.2	.5									2.8	3.8
SE	.2	1.5	.2									1.9	4.7
SSE	.9	.3	.2	.3								1.7	4.9
S	.6	.6	.6	.2								2.0	5.8
SSW	.8	.6	.6	.2								2.2	5.2
SW	.6	.6	1.5	.8	.5							4.0	9.0
WSW	.6	2.0	5.7	1.5	.6							10.5	8.9
W	2.2	3.3	3.1	3.1	1.7	.2						13.5	9.5
WNW	1.1	1.4			.2							2.6	4.4
NW	.2	.5	.3									.9	5.2
NNW		.5										.5	4.7
VARBL	2.3	.5	.2	.2								3.1	3.1
CALM												36.2	
	19.6	20.3	13.9	6.7	2.9	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.6	.1	.1								1.2	5.6
NNE	.4	.4	.1									1.0	3.7
NE	1.0	1.5	1.0									3.6	5.0
ENE	3.1	1.8	.3	.3								5.5	4.0
E	4.2	4.5	1.8	.3								10.8	4.5
ESE	1.5	2.8	1.5	.4								6.3	5.6
SE	.9	.9	.1									1.9	3.6
SSE	.4	1.5	.4	.3								2.7	5.6
S	.6	1.0	.3									1.9	4.8
SSW	.3	1.2	.9	.3								2.7	6.6
SW	.7	1.3	1.5	.6	.1							4.3	7.6
WSW	.4	1.0	4.3	3.6	1.2	.3						10.9	11.2
W	.3	2.8	3.7	5.7	2.1	.4						15.1	11.6
WNW	.9	1.2	.7	.4								3.3	5.7
NW	.4	.9	.6									1.9	5.2
NNW	.1	.3	.1									.6	4.8
VARBL	4.8	2.2	2.7	.4								10.2	4.8
CALM												15.9	
	20.7	26.2	20.3	12.6	3.4	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 668

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

4182

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34150 — STATION
ILLESHEIM AAF GE — STATION NAME
59-78 — YEARS
OCT — MONTH
ALL WEATHER — CLASS
1200-1400 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.9	.3									1.3	5.2
NNE	1.0	.9	.5	.3								2.8	5.2
NE	1.3	1.2	.9									3.4	5.0
ENE	2.1	2.1	2.4	.4								7.0	6.0
E	1.9	4.5	4.6	.7								11.8	6.5
ESE	1.2	4.3	1.0	.4								7.0	5.8
SE	.9	1.6	.6									3.1	4.9
SSE	1.3	1.2	.4									3.0	4.4
S	.6	1.9	.6	.3								3.4	5.7
SSW	.4	.7	.3									1.5	4.7
SW	.1	.4	1.2	.6								2.4	8.5
WSW	.6	1.3	2.7	3.7	.7	.4	.1					9.7	11.5
W	.6	2.5	5.1	7.0	2.7	.1	.3					18.3	12.0
WNW	.6	1.0	2.1	1.0								4.8	7.5
NW	.6	1.0	.9									2.5	6.1
NNW	.3	1.0	.1	.3								1.8	5.8
VARBL	3.6	2.8	3.6	.7								10.7	5.8
CALM												5.5	
	17.4	29.6	27.4	15.6	3.4	.6	.4					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192	ILLESHEIM AAF GE	59-78	OCT
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	.8	1.2	.6									2.6	5.5
NNE	.7	1.5	.3									2.5	4.6
NE	1.0	2.2	.7									4.0	4.9
ENE	3.4	3.0	3.4	1.0								10.9	5.9
E	4.5	4.3	2.7	.9								12.4	5.1
ESE	1.6	1.8	.7									4.2	4.5
SE	1.3	1.0										2.5	3.4
SSE	.7	1.5	.1									2.4	4.6
S	.0	.9	.6									2.1	5.4
SSW	.9	.3	.1									1.3	3.4
SW	.9	1.2	.7	.1								3.0	5.3
WSW	.9	1.9	3.4	3.0	.4							9.7	9.2
W	1.2	3.7	4.6	6.0	1.6	.1	.3	.1				17.7	10.8
WNW	.3	1.5	2.2	.9								4.9	9.2
NW	.7	.9	.9	.4								3.0	6.4
NNW	.9	1.0	.1									2.1	3.9
VARBL	1.6	2.8	1.5	.4								6.4	5.6
CALM												8.8	
	21.9	30.8	23.0	12.8	2.1	.1	.3	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 571

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

A103

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) | ILLESHEIM AAF DL (STATION NAME) | 69-70,73,76 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 1800-2000 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE		1.2										1.2	5.0
NE		1.2	1.2									2.4	7.5
ENE	2.4	3.7	1.2	1.2								8.5	5.9
E	8.5	3.7	2.4									14.6	4.1
ESE	3.7	2.4	1.2									7.3	4.5
SE	2.4		1.2									3.7	3.7
SSE													
S		1.2	1.2									2.4	7.0
SSW													
SW													
WSW	1.2	4.9	3.7	2.4								12.2	7.4
W	2.4		9.8	11.0		3.7						26.8	12.0
WNW	1.2		1.2									2.4	6.5
NW													
NNW													
VARBL		3.7										3.7	5.0
CALM												14.6	
	22.0	22.0	23.2	14.6		3.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 82

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34198	ILLES [illegible] AAF DL	69-78	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.9	.3	.0								1.4	5.1
NNE	.6	.9	.3	.1								1.8	4.8
NE	.9	1.5	.7									3.1	4.9
ENE	3.0	2.1	1.6	.6								7.3	5.2
E	4.1	4.1	2.4	.5								11.0	4.9
ESE	1.4	2.6	.9	.2								5.1	5.2
SE	1.0	1.3	.3									2.6	4.1
SSE	.9	1.1	.3	.1								2.4	4.8
S	.6	1.1	.5	.1								2.4	5.5
SSW	.6	.7	.5	.1								1.8	5.3
SW	.6	.9	1.2	.5	.1							3.3	7.7
WSW	.7	1.7	4.0	2.9	.7	.2	.0					10.2	10.1
W	1.1	3.0	4.3	3.6	2.0	.3	.1	.0				16.4	11.1
WNW	.7	1.2	1.3	.6	.0							3.8	6.9
NW	.5	.8	.7	.1								2.0	5.9
NNW	.3	.7	.1	.1								1.2	4.8
VARBL	3.0	2.1	1.9	.4								7.5	5.2
CALM												16.7	
	20.1	26.6	21.1	11.9	2.9	.5	.2	.0				100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2764

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192	ILLESHEIM AAF GE	69-78	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.2										.5	3.0
NNE	.5	.3	.5	.2								1.5	5.3
NE	.2	.2	.3	.3								1.1	8.7
ENE	1.3	.6	.3			.2						2.6	5.1
E	1.8	1.5	.7	.2								4.1	4.2
ESE	1.0	1.5	.3	.3								3.1	4.8
SE	.5	.7	.2	.2								1.5	4.6
SSE	.5	.7	.2	.3	.2							1.8	7.4
S	.5	1.3	3.3	2.4	.5	.2						8.1	9.9
SSW	.5	.8	1.3	1.1								3.7	8.2
SW	.5	1.5	1.1	2.8	.5							6.3	10.1
WSW	2.1	2.1	4.4	4.6	1.0	1.0						15.1	10.1
W	1.3	3.1	6.0	3.6	1.6	1.0	.5					17.1	11.0
WNW	.2	.8	.5	.2	.3							2.0	9.3
NW	.5	.3	.7									1.5	5.3
NNW	.5	.2										.7	2.8
VARBL	2.1	1.5	.8	.8	.7	.2						6.0	7.2
CALM												23.4	
	14.1	17.2	20.5	17.1	4.7	2.4	.5					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 615

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34196 (STATION) ILLESHEIM AAF GE (STATION NAME) 69-78 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3		.3									.6	5.0
NNE	.2	.3	.3									.8	6.0
NE	.2	.3	.5	.2								1.1	7.4
ENE	.9	.5	.8									2.2	4.9
E	2.0	1.9	.3	.2								4.4	3.9
ESE	1.3	.6	1.3									3.1	5.5
SE	.8	.9		.2								1.9	3.9
SSE	.8	.8	.0	.6	.2							3.0	7.3
S	.9	2.0	2.7	2.7	1.4							9.7	9.9
SSW	.3	1.7	1.6	.3	.3							4.2	7.9
SW	.8	.9	1.4	1.6	.6							5.3	9.6
WSW	.6	1.9	5.0	5.5	1.6	1.6						16.1	12.3
W	.9	3.1	7.5	5.5	1.9	1.1	.6	.2				20.8	11.8
WNW	.2	.9	.6	1.1								2.8	8.6
NW	.5	.6	.3									1.4	4.7
NNW		.3										.3	5.0
VARBL	3.0	1.3	.6	.9	.3	.2	.2					6.4	6.8
CALM												15.8	
	13.6	18.2	23.8	18.6	6.3	2.8	.8	.2				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF GE (STATION NAME) 69-78 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.2	.2	.2								.9	5.0
NNE	.3	.3	.5									1.1	5.7
NE	.6	1.6	.6	.2								3.0	5.3
ENE	2.5	.8	.3									3.6	3.3
E	1.6	1.1	.8	.3								3.8	5.0
ESE	.8	.9	.9									2.7	5.5
SE	.9	.3	.5	.2								1.2	5.0
SSE	.8	1.4	.9	.5	.2							3.8	6.4
S	1.3	1.7	2.3	1.4	.5	.3						8.5	5.8
SSW	.9	1.3	1.9	1.7	.3							6.1	8.3
SW	.3	1.1	1.3	1.1	.8	.3						4.9	11.3
WSW	1.1	.8	4.1	3.8	2.4	1.6						13.6	13.1
W	1.1	2.7	7.2	8.0	1.4	2.2	.5	.5				23.7	12.8
WNW	.9	1.9	1.6	1.4	.5							6.3	8.4
NW	.5	1.6	.3	.3								2.7	5.5
NNW	.6	.6	.2	.2								1.6	5.1
VARBL	1.7	1.9	.6	1.1	.5	.2						6.0	7.6
CALM												6.1	
	16.5	20.1	25.1	20.2	6.4	4.5	.6	.5				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 638

4106

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34197 (STATION) | ILLESHEIM AAF GE (STATION NAME) | 69-78 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.0										1.1	4.0
NNE		.3	.5									.8	7.4
NE	.6	1.9	1.0									3.5	5.1
ENE	1.1	1.3	.8									3.2	4.5
E	2.1	1.3	1.3									4.6	4.4
ESE	1.3	.8	.3									2.4	3.6
SE	.6	1.0	.3	.2								2.1	5.2
SSE	1.4	1.7	1.6	.2	.2							5.1	6.1
S	1.6	1.4	1.7	.3	.3		.2					5.6	7.1
SSW	.6	1.6	1.3	1.4	.5	.2						5.6	9.3
SW	.5	1.3	1.6	1.3	.8	.2						5.6	10.2
WSW	1.0	2.4	4.8	4.4	2.7	.5						15.7	11.3
W	1.9	3.5	6.7	5.6	1.3	2.1						21.0	10.8
WNW	1.4	1.1	.6	.5	.2	.2						4.0	7.1
NW	.6	1.1	.3									2.1	7.7
NNW	.5	.5	.3									1.3	4.6
VARBL	1.6	2.4	.6	.6	.5							5.9	7.2
CALM												10.8	
	17.0	24.4	23.7	14.6	6.3	3.0	.2					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 630

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34196 (STATION) ILLESHEIM AAF OL (STATION NAME) 59-70,77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE	1.7	1.7										3.4	3.0
ENE	3.4	1.7	1.7									6.3	4.3
E		1.7	6.8									8.5	7.8
ESE		1.7	1.7									3.4	7.0
SE		3.4										3.4	6.0
SSE				1.7								1.7	12.0
S		1.7		6.8								8.5	11.6
SSW		1.7			1.7		1.7					5.1	18.0
SW		1.7	1.7	3.4	1.7							8.5	12.6
WSW		3.4	1.7	10.2								15.3	12.1
W		1.7	3.4	6.8	1.7	3.4						16.9	13.9
WNW				1.7								1.7	16.0
NW													
NNW			1.7									1.7	8.0
VARBL		6.8	1.7		1.7							10.2	8.0
CALM												5.1	
	5.1	27.1	20.3	30.5	6.8	3.4	1.7					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 59

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3419 (STATION) ILLESHEIM AAF GE (STATION NAME) 61-78 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.3	.1	.0								.8	4.4
NNE	.2	.3	.4	.0								1.0	6.0
NE	.4	1.0	.6	.2								2.2	5.9
ENE	1.5	.9	.6			.0						3.0	4.4
E	1.8	1.4	.9	.2								4.3	4.5
ESE	1.0	1.0	.7	.1								2.8	5.0
SE	.1	.8	.2	.2								1.9	4.8
SSE	.9	1.1	.8	.4	.2							3.4	6.7
S	1.0	1.6	2.7	1.8	.7	.1	.0					8.0	9.2
SSW	.6	1.4	1.5	1.1	.3	.0	.0					4.9	8.9
SW	.5	1.2	1.4	1.7	.7	.1						5.6	10.3
WSW	1.2	1.8	4.5	4.7	1.9	1.1						15.1	11.7
W	1.3	3.1	6.8	5.7	1.5	1.6	.4	.2				20.6	11.7
WNW	.7	1.2	.8	.8	.2	.0						3.7	8.2
NW	.5	.9	.4	.1								1.9	5.1
NNW	.4	.4	.2	.0								1.0	4.7
VARBL	2.1	1.9	.7	.9	.5	.1	.0					6.2	7.3
CALM												13.7	
	15.1	20.1	23.2	17.9	6.0	3.2	.5	.2				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2582

4108

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF GE (STATION NAME) 69-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.7										1.1	4.0
NNE	.5	.7	.4									1.6	4.8
NE	1.1	1.8	.7	.5								4.0	5.4
ENE	1.6	1.9	.5	.2								4.2	4.1
E	4.0	3.0	.5	.4								7.9	3.9
ESE	1.9	2.8	.5									5.3	4.1
SE	.5	2.1	.9	.2								3.7	5.7
SSE	1.2	.5	.5	.4								2.6	5.5
S	.4	.9	1.2	.9	.2	.2						3.7	9.1
SSW	.4	2.5	.9	.7								4.4	6.9
SW	.4	1.1	1.9	.9	.4	.2						4.7	9.3
WSW	1.9	1.8	3.0	2.3	.5	.4						9.8	9.1
W	2.1	1.9	3.2	3.9	1.1							12.1	9.4
WNW	.5	.7	1.2	.9	.5	.2						4.0	10.3
NW	.7	.4		.2								1.2	4.7
NNW	.2	.2		.4								.7	8.3
VARBL	3.5	.9	.5	.7	.4	.2						6.1	5.7
CALM												22.8	
	21.2	23.7	16.0	12.3	3.0	1.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34194 (STATION) ILLESHEIM AAF OL (STATION NAME) 49-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.3	.5			.2						1.1	8.4
NNE	.5	.2	.2									.8	4.0
NE	.5	2.2	.9	.5								4.0	6.2
ENE	.8	2.0	.5	.5								3.7	5.5
E	4.0	3.6	.9									8.6	4.0
ESE	2.8	4.0	.9	.3								8.1	4.7
SE	1.1	2.0	.3									3.4	4.5
SSE	.3	.9	.3	.2	.3							2.0	7.8
S		.8	1.2	1.1	.3							3.4	10.2
SSW	.5	.5	2.5	.9	.2							4.5	9.0
SW	1.2	1.2	.9	1.1		.2						4.7	7.6
WSW	1.1	2.3	1.7	2.2	.6	.3	.2					8.4	9.7
W	1.2	3.3	4.2	5.6	1.7	.5						16.5	10.5
WNW	1.2	.9	1.1	.5	.6							4.7	8.1
NW	.3	.8		.3								1.4	5.7
NNW		.2		.5								.6	10.8
VARBL	3.4	.8	.5	.8	.2		.2					5.8	5.6
CALM												18.2	
	19.2	26.0	16.7	14.6	3.9	1.1	.3					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 642

4149

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34192 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.3										.5	4.0
NNE	.2	.2	.3									.6	5.3
NE	1.1	1.7	1.7	.9								5.5	6.7
ENE	2.2	1.6	.8									4.6	4.3
E	3.1	3.6	1.3	.3								8.3	4.6
ESE	2.0	3.1	2.2	.3								7.7	5.2
SE	.8	1.1	.3	.2								2.4	4.9
SSE	.6	.9	.3	.2								2.0	5.3
S	.9	1.1	.5	1.1	.3							3.9	8.2
SSW	.3	1.6	.6	.9	.2							4.1	7.5
SW	.6	1.9	1.3	.6	.2							4.6	7.4
WSW	.6	1.9	3.0	3.1	.5		.2	.2				9.4	10.7
W	2.4	4.3	5.2	5.5	1.9	.3	.2					20.6	10.1
WNW	.2	1.4	.9	.9	.3	.5						4.3	10.0
NW	.3	.9	.9	.6								2.8	7.5
NNW		.3										.3	6.0
VARBL	4.7	1.9	.5	.6	.2	.2						8.0	4.5
CALM												10.2	
	20.8	27.9	19.8	16.4	3.5	.9	.3	.2				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.2										.4	2.5
NNE	.4	.4										.7	3.5
NE	1.1	1.4	2.2	.7								5.4	6.9
ENE	1.5	2.9	.4									4.9	3.9
E	4.9	2.9	1.8	.2								9.7	4.3
ESE	2.3	2.0	.9	.2								5.4	4.5
SE	1.8	.4	.5	.4								3.1	4.6
SSE	.5											.5	2.7
S	.5	.7	.4	.5	.2							2.3	7.5
SSW	.5	.9	.9	.4	.2							2.9	7.6
SW	.5	2.0	.7	.9	.4							4.5	7.8
WSW	1.4	2.3	3.6	4.3	.4	.2						12.2	9.5
W	1.1	5.2	2.2	4.3	1.8	.7	.4					15.6	10.6
WNW	.5	1.4	2.0	1.4	.7	.4	.2					6.7	10.5
NW	.5	.7	.4	.2								1.8	5.5
NNW	.2	.2										.4	2.5
VARBL	4.1	1.6	.2	.7	.2							6.8	4.3
CALM												16.7	
	22.3	25.2	16.0	14.2	3.8	1.3	.5					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 556

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

4110

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34193	ILLESHEIM AAF DL	69-70,72	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	1.8										3.5	3.0
NNE													
NE		5.3	3.5									8.8	7.2
ENE	1.8		1.8									3.5	5.5
E	3.3	3.5	1.8	1.8								12.3	5.0
ESE		1.8	1.8	1.8								5.3	8.3
SE			1.8									1.8	7.0
SSE			1.8									1.8	7.0
S													
SSW			1.8	1.8								3.5	9.5
SW		3.5										3.5	4.0
WSW	1.8	7.0	1.8	8.8								19.3	8.9
W	1.8		5.3	1.8								8.8	8.2
WNW			1.8									1.8	10.0
NW	1.8	1.8			1.8							5.3	8.7
NNW													
VARBL	3.5	3.5	1.8									8.8	4.2
CALM												12.3	
	17.5	28.1	24.6	15.8	1.8							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 57

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

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34197 STATION | ILLESHEIM AAF GE STATION NAME | 69-78 YEARS | DEC MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.4	.1			.0						.8	5.3
NNE	.4	.3	.2									.9	4.5
NE	.9	1.9	1.4	.7								4.8	6.4
ENE	1.5	2.0	.6	.2								4.3	4.5
E	4.0	3.3	1.1	.2								8.7	4.2
ESE	2.2	3.0	1.2	.2								6.7	4.6
SE	1.0	1.4	.5	.2								3.1	5.0
SSE	.7	.6	.2	.2	.1							1.8	5.9
S	.6	.9	.8	.9	.2	.0						3.3	8.9
SSW	.5	1.3	1.3	.8	.1							4.0	7.9
SW	.7	1.6	1.2	.9	.2	.1						4.6	7.9
WSW	1.3	2.2	2.6	3.1	.5	.2	.1	.0				10.1	9.7
W	1.7	3.6	3.6	5.0	1.6	.4	.1					16.2	10.2
WNW	.6	1.1	1.3	1.0	.5	.2	.0					4.8	9.7
NW	.5	.7	.3	.3	.0							1.9	6.4
NNW	.1	.2		.2								.5	7.8
VARBL	3.9	1.3	.4	.7	.2	.1	.0					6.7	4.9
CALM												16.7	
	20.7	25.8	17.4	14.5	3.5	1.1	.3	.0				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2460

A111

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/A.C

SURFACE WINDS

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-79 (YEARS) ALL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.7	.4	.0	.0	.0						1.6	5.0
NNE	.6	.7	.5	.1								1.9	5.3
NE	1.0	1.4	1.2	.3	.0	.0						4.0	5.4
ENE	1.9	1.8	1.3	.3	.1	.0						5.6	5.8
E	2.4	2.8	1.5	.8	.1							7.5	5.6
ESE	1.0	1.8	.7	.2	.0	.0	.0					3.7	5.3
SE	.6	.7	.3	.1	.0							1.6	4.9
SSE	.5	.7	.4	.1	.0							1.7	5.6
S	.5	.9	.9	.5	.1	.0	.0					3.0	7.6
SSW	.5	.9	.9	.4	.1	.0	.0					2.8	7.2
SW	.6	1.0	1.1	.8	.2	.0						3.7	8.2
WSW	1.0	1.9	2.9	2.4	.7	.3	.0	.0				9.3	9.7
W	1.9	3.5	5.4	5.1	1.4	.4	.1	.0				17.6	10.1
WNW	1.0	1.7	1.7	1.0	.1	.0	.0					5.7	7.4
NW	.5	1.2	.9	.3	.0	.0	.0					3.0	6.4
NNW	.6	.8	.5	.1								2.0	5.3
VARBL	3.2	3.0	2.3	.8	.1	.0	.0					9.5	5.6
CALM												15.7	
	18.2	25.3	22.8	13.8	3.0	.8	.1	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 31176

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34170 (STATION) ILLESHEIM AAF DL (STATION NAME) 49-79 (YEARS) ALL (MONTH)

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

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 (CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.8	.4	.1								1.7	5.4
NNE	.7	.9	.7	.1								2.4	5.5
NE	1.4	2.1	1.5	.3								5.4	5.6
ENE	2.2	1.9	.9	.3								5.3	4.8
E	3.4	3.6	1.4	.2								8.5	4.4
ESE	1.4	2.2	1.1	.2								4.9	5.1
SE	1.2	1.5	.4	.1								3.2	4.5
SSE	.8	1.0	.3	.1	.0							2.2	5.0
S	.7	1.1	.3	.1								2.2	4.8
SSW	.6	.5	.2	.1								1.3	4.7
SW	.5	.5	.5	.3	.2	.1						2.0	8.1
WSW	.8	1.7	2.1	1.8	.8	.2	.1					7.7	10.6
W	2.0	3.8	4.7	4.7	.9	.4	.0					16.5	9.3
WNW	1.5	2.0	1.5	.6	.1							5.7	6.3
NW	.6	1.3	.8	.2								2.9	5.5
NNW	.4	.6	.3	.0								1.3	4.9
VARBL	3.6	1.3	.4	.1	.0							5.4	3.3
CALM												21.3	
	22.2	26.6	17.6	9.2	2.0	1.0	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 5808

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

4142

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (feet)	VISIBILITY (STATUTE MILES)														
	> 10	> 5	> 5	> 4	> 3	> 2½	> 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 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																
≥ 0					91.4		96.2			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under colum 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 = 91.4%.
Visibility ≥ 2 miles = 96.2%.
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 $\geq$ 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
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF GL STATION NAME | 70-79 | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

0600-0800 HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥	≥	≥	≥	≥5/16	≥	≥0
NO CEILING	5.8	10.2	11.6	13.1	16.2	16.5	18.3	19.7	20.3	20.8	21.2	21.2	21.8	22.3	22.3	23.5
≥ 20000	6.9	11.9	13.2	15.0	18.5	18.8	21.2	22.6	23.3	24.0	24.3	24.3	25.0	25.5	25.5	26.6
≥ 8000	6.9	12.1	13.4	15.2	18.7	19.0	21.3	22.8	23.5	24.1	24.5	24.5	25.1	25.6	25.6	26.8
≥ 6900	6.9	12.1	13.4	15.2	18.7	19.0	21.3	22.8	23.5	24.1	24.5	24.5	25.1	25.6	25.6	26.8
≥ 14000	6.9	12.1	13.4	15.2	18.7	19.0	21.3	22.8	23.5	24.1	24.5	24.5	25.1	25.6	25.6	26.8
≥ 12000	7.3	12.4	13.7	15.5	19.0	19.3	21.7	23.1	23.8	24.5	24.8	24.8	25.5	26.0	26.0	27.1
≥ 10000	7.4	13.4	14.9	16.7	20.2	20.5	22.8	24.3	25.0	25.6	26.0	26.0	26.6	27.1	27.1	28.3
≥ 9000	7.6	13.7	15.2	17.0	20.5	20.8	23.1	24.6	25.3	26.0	26.3	26.3	26.9	27.4	27.4	28.6
≥ 8000	8.9	15.7	17.4	19.3	23.5	23.8	26.3	27.8	28.4	29.1	29.6	29.6	30.4	30.9	31.1	32.2
≥ 7000	9.3	16.9	18.5	20.7	25.0	25.3	27.9	29.4	30.1	30.7	31.2	31.2	32.1	32.6	32.7	33.9
≥ 6000	9.6	17.4	19.0	21.2	26.0	26.3	29.1	30.6	31.2	32.1	32.6	32.6	33.4	33.9	34.0	35.2
≥ 5000	10.6	19.0	21.2	23.8	29.1	29.4	32.7	34.2	34.9	35.7	36.2	36.2	37.0	37.5	37.7	38.8
≥ 4500	11.7	20.5	23.3	26.0	31.4	31.7	35.0	36.5	37.2	38.0	38.5	38.5	39.3	39.8	40.0	41.2
≥ 4000	14.0	23.3	26.1	28.9	35.4	36.0	39.5	41.0	41.7	42.5	43.0	43.0	44.0	44.5	44.6	45.8
≥ 3500	15.0	24.3	27.3	30.1	36.9	37.7	41.5	43.0	43.6	44.5	45.0	45.0	46.0	46.4	46.6	47.8
≥ 3000	16.2	26.3	29.8	33.7	40.8	41.7	46.0	47.8	48.4	49.3	49.8	49.8	50.7	51.2	51.4	52.6
≥ 2500	17.2	28.4	32.6	36.5	44.6	45.5	50.1	52.1	52.9	53.9	54.4	54.4	55.4	55.9	56.0	57.2
≥ 2000	18.5	31.1	36.2	41.3	50.7	51.6	56.2	58.5	59.7	61.3	61.8	62.1	63.1	63.8	64.0	65.1
≥ 1800	18.7	31.2	36.5	41.7	51.2	52.1	56.7	59.0	60.2	61.8	62.3	62.6	63.6	64.3	64.5	65.6
≥ 1500	19.7	32.9	38.3	44.6	54.5	55.4	60.8	64.0	65.1	66.8	67.3	67.6	68.6	69.3	69.4	70.6
≥ 1200	21.2	36.2	42.0	48.9	60.0	60.8	66.3	69.8	70.9	72.9	73.4	73.7	74.7	75.5	75.7	76.9
≥ 1000	21.8	37.2	43.1	51.2	62.8	63.6	69.9	73.6	75.0	77.4	77.9	78.2	79.2	80.0	80.2	81.3
≥ 900	22.0	37.4	43.5	51.9	63.6	64.5	71.7	75.5	77.0	79.5	80.0	80.3	81.3	82.3	82.5	83.6
≥ 800	22.0	37.5	43.6	52.6	64.5	65.3	73.6	77.7	79.3	82.0	82.5	82.8	83.8	84.8	85.0	86.1
≥ 700	22.1	37.7	43.8	52.7	64.8	65.6	74.9	79.3	81.0	83.8	84.3	84.6	85.6	86.6	86.8	87.9
≥ 600	22.1	37.7	43.8	52.7	65.1	66.0	75.7	80.5	82.2	85.1	85.6	86.0	87.1	88.1	88.3	89.4
≥ 500	22.1	37.7	43.8	52.7	65.1	66.0	76.2	81.5	83.5	86.9	87.6	87.9	89.1	90.1	90.2	91.4
≥ 400	22.1	37.7	43.8	52.9	65.6	66.4	77.9	83.5	85.8	89.4	90.1	90.7	92.4	94.0	94.5	95.7
≥ 300	22.1	37.7	43.8	52.9	65.8	66.6	78.3	84.0	86.3	90.1	90.7	91.4	93.1	94.9	95.7	96.9
≥ 200	22.1	37.7	43.8	52.9	65.8	66.6	78.3	84.1	86.4	90.4	91.1	91.7	93.4	95.4	96.5	97.7
≥ 100	22.1	37.7	43.8	52.9	65.8	66.6	78.3	84.1	86.4	90.4	91.1	91.7	93.4	95.4	96.5	99.5
≥ 0	22.1	37.7	43.8	52.9	65.8	66.6	78.3	84.1	86.4	90.4	91.1	91.7	93.4	95.4	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 605

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

34190 | ILLESHEIM AAF DL | 70-79 | JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VIS BY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	4.4	8.3	9.7	10.8	13.1	13.6	15.5	16.1	16.2	17.3	17.4	17.9	18.0	18.8	19.2	20.2
≥ 20000	6.1	11.4	12.9	14.2	17.6	18.0	20.1	20.7	20.8	22.0	22.2	22.7	22.9	23.8	24.2	25.4
≥ 8000	6.2	11.5	13.0	14.5	18.0	18.5	20.5	21.4	21.6	22.7	22.9	23.5	23.6	24.5	25.0	26.1
≥ 15000	6.2	11.5	13.0	14.5	18.0	18.5	20.5	21.4	21.6	22.7	22.9	23.5	23.6	24.7	25.1	26.4
≥ 14000	6.2	11.5	13.0	14.5	18.0	18.5	20.5	21.4	21.6	22.7	22.9	23.5	23.6	24.7	25.1	26.4
≥ 12000	6.8	12.1	13.6	15.1	18.6	19.1	21.1	22.0	22.2	23.3	23.5	24.1	24.2	25.3	25.7	27.0
≥ 10000	6.9	12.7	14.2	15.7	19.4	19.8	21.9	22.7	23.0	24.2	24.4	25.0	25.1	26.1	26.6	27.9
≥ 9000	7.2	13.3	14.8	16.2	19.9	20.4	22.5	23.5	23.8	25.0	25.1	25.8	26.0	27.0	27.5	28.8
≥ 8000	9.2	16.5	18.0	19.5	23.9	24.4	26.7	27.8	28.1	29.2	29.4	30.1	30.3	31.5	32.1	33.4
≥ 7000	10.0	17.9	19.4	21.7	26.3	26.7	29.8	30.9	31.2	32.3	32.5	33.2	33.4	34.6	35.2	36.5
≥ 6000	10.2	18.5	19.9	22.6	27.3	27.8	31.5	32.9	33.2	34.4	34.6	35.3	35.5	36.6	37.2	38.6
≥ 5000	10.5	19.4	21.1	24.2	29.0	29.4	33.5	35.0	35.3	36.5	36.6	37.4	37.5	39.1	39.7	41.1
≥ 4500	11.5	20.8	22.6	25.7	30.6	31.0	35.2	36.8	37.1	38.3	38.4	39.1	39.3	40.9	41.5	42.8
≥ 4000	13.0	22.7	24.7	28.2	34.3	34.7	39.1	40.9	41.4	42.7	42.8	43.6	43.7	45.3	45.9	47.3
≥ 3500	13.9	24.5	27.0	30.9	37.2	37.7	42.5	44.6	45.1	46.4	46.5	47.3	47.4	49.0	49.6	51.0
≥ 3000	14.5	26.4	29.4	34.3	41.4	41.8	47.0	49.2	49.6	51.0	51.1	51.8	52.0	53.6	54.2	55.5
≥ 2500	16.5	28.8	32.3	37.4	45.1	45.5	51.1	53.3	53.8	55.2	55.4	56.1	56.3	57.9	58.5	59.8
≥ 2000	17.7	31.2	35.6	40.8	49.5	49.9	56.3	58.6	59.2	61.0	61.2	62.0	62.2	63.8	64.4	65.7
≥ 1800	17.7	31.6	36.0	41.2	50.1	50.5	56.9	59.2	59.8	61.6	61.7	62.6	62.8	64.4	65.0	66.3
≥ 1500	19.2	34.9	40.6	47.4	57.3	57.9	64.4	67.4	67.9	70.3	70.5	71.3	71.6	73.3	73.9	75.2
≥ 1400	20.1	36.0	42.1	49.5	60.7	61.4	68.4	71.6	72.2	74.9	75.0	75.9	76.2	77.8	78.4	79.8
≥ 1000	20.1	36.3	42.4	49.8	62.3	63.1	70.8	74.0	74.6	77.7	77.8	78.7	79.0	80.6	81.2	82.6
≥ 900	20.1	36.3	42.5	49.9	63.2	64.0	72.4	75.9	76.5	80.1	80.5	81.4	81.8	83.5	84.0	85.4
≥ 800	20.5	36.9	43.6	51.1	64.7	65.4	74.4	78.1	78.9	82.7	83.2	84.2	84.6	86.3	86.9	88.2
≥ 700	20.5	37.1	43.7	51.3	65.6	66.3	75.5	79.6	80.9	84.8	85.2	86.3	86.7	88.3	89.1	90.4
≥ 600	20.5	37.1	43.7	51.3	66.3	67.1	76.2	80.5	82.1	86.3	86.9	88.3	88.8	90.7	91.4	92.8
≥ 500	20.5	37.1	43.7	51.3	66.6	67.4	77.1	81.7	83.3	87.6	88.3	89.8	90.3	92.2	92.9	94.2
≥ 400	20.5	37.1	43.7	51.3	66.6	67.4	77.8	82.7	84.3	88.8	89.7	91.1	91.7	94.4	95.3	96.6
≥ 300	20.5	37.1	43.7	51.3	66.6	67.4	77.8	82.7	84.5	88.9	90.0	91.4	92.3	95.1	96.0	97.8
≥ 200	20.5	37.1	43.7	51.3	66.6	67.4	77.8	82.7	84.5	88.9	90.0	91.4	92.3	95.3	96.3	98.1
≥ 100	20.5	37.1	43.7	51.3	66.6	67.4	77.8	82.7	84.5	88.9	90.0	91.4	92.3	95.4	96.5	99.4
≥ 0	20.5	37.1	43.7	51.3	66.6	67.4	77.8	82.7	84.5	88.9	90.0	91.4	92.3	95.4	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 677

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 70-74 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOUPLY OBSERVATIONS) 1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥¼	0
NO CEILING	4.3	7.3	9.0	10.0	14.0	14.0	15.8	16.4	17.2	18.1	18.2	18.8	19.7	19.9	19.9	19.9
≥ 20000	7.2	11.5	13.7	15.5	20.3	20.3	22.5	23.7	24.8	26.0	26.3	26.9	27.8	28.1	28.1	28.1
≥ 18000	7.2	11.6	13.9	15.7	20.6	20.6	23.0	24.2	25.2	26.4	26.7	27.3	28.2	28.5	28.5	28.5
≥ 16000	7.2	11.6	13.9	15.7	20.6	20.6	23.0	24.2	25.2	26.4	26.7	27.3	28.2	28.5	28.5	28.5
≥ 14000	7.2	11.9	14.2	16.0	20.9	20.9	23.3	24.5	25.5	26.7	27.0	27.6	28.5	28.8	28.8	28.8
≥ 12000	7.5	12.2	14.5	16.3	21.2	21.2	23.6	24.8	25.8	27.0	27.3	27.9	28.8	29.1	29.1	29.1
≥ 10000	7.5	12.2	14.5	16.4	21.5	21.5	23.9	25.1	26.3	27.5	27.8	28.4	29.3	29.6	29.6	29.6
≥ 9000	7.6	12.4	14.6	16.6	21.6	21.6	24.2	25.4	26.6	27.8	28.1	28.7	29.6	29.9	29.9	29.9
≥ 8000	10.4	16.0	18.4	20.6	26.3	26.3	29.4	30.6	31.8	33.0	33.4	34.0	34.9	35.2	35.2	35.2
≥ 7000	11.2	17.6	20.0	22.2	28.2	28.2	31.8	33.1	34.3	35.7	36.1	36.9	37.8	38.1	38.1	38.1
≥ 6000	11.2	18.4	21.5	24.2	30.3	30.3	34.0	35.8	37.0	38.4	38.8	39.6	40.4	40.9	40.9	40.9
≥ 5000	12.2	19.6	22.7	25.5	31.6	31.6	35.4	37.2	38.4	39.7	40.1	40.9	41.8	42.2	42.2	42.2
≥ 4500	12.8	20.6	23.9	26.7	33.9	33.9	38.1	39.9	41.0	42.7	43.1	43.9	44.8	45.2	45.2	45.2
≥ 4000	14.3	23.1	26.7	30.0	38.1	38.1	42.7	44.5	45.7	47.3	47.8	48.5	49.4	49.9	49.9	49.9
≥ 3500	15.7	24.9	28.8	32.1	40.7	40.7	45.7	47.6	48.8	50.4	50.9	51.6	52.5	53.3	53.3	53.3
≥ 3000	18.1	28.8	33.1	36.4	45.2	45.2	50.4	52.4	53.6	55.2	55.7	56.4	57.3	58.1	58.1	58.1
≥ 2500	20.0	31.0	36.4	40.0	49.1	49.1	54.6	56.6	57.8	59.4	59.9	60.6	61.5	62.2	62.2	62.2
≥ 2000	21.3	33.6	40.4	44.3	55.2	55.4	62.4	64.8	66.3	68.1	68.5	69.3	70.1	70.9	70.9	70.9
≥ 1800	22.2	35.1	42.1	46.6	57.5	57.6	64.6	67.2	68.7	70.4	70.9	71.6	72.5	73.3	73.3	73.3
≥ 1500	23.9	37.8	45.8	50.7	62.8	63.0	70.4	73.0	74.5	76.3	76.7	77.5	78.4	79.1	79.1	79.1
≥ 1200	25.1	39.7	48.1	53.9	67.6	67.8	75.7	78.8	80.4	82.5	83.0	83.7	84.6	85.4	85.4	85.4
≥ 1000	25.4	40.3	48.8	54.8	69.4	69.6	78.1	81.8	83.6	86.1	86.6	87.3	88.2	89.0	89.0	89.0
≥ 900	25.4	40.3	48.8	54.8	69.7	69.9	79.1	83.1	85.1	87.8	88.2	89.0	89.9	90.7	90.7	90.7
≥ 800	26.0	41.0	49.6	55.5	71.0	71.2	81.2	85.2	87.8	90.4	90.9	91.8	92.7	93.6	93.6	93.6
≥ 700	26.0	41.2	49.7	55.8	71.6	71.8	81.8	85.8	88.4	91.2	91.6	92.5	93.4	94.3	94.3	94.3
≥ 600	26.0	41.2	49.7	56.1	72.5	72.7	82.7	87.2	89.7	92.7	93.3	94.2	95.1	96.0	96.0	96.0
≥ 500	26.0	41.2	49.7	56.1	72.7	72.8	83.1	87.8	90.3	93.6	94.2	95.1	96.0	97.0	97.0	97.0
≥ 400	26.0	41.2	49.7	56.1	72.7	72.8	83.3	88.2	90.7	94.5	95.2	96.1	97.0	98.4	98.4	98.4
≥ 300	26.0	41.2	49.7	56.1	72.7	72.8	83.3	88.2	90.7	94.6	95.4	96.3	97.5	99.0	99.1	99.6
≥ 200	26.0	41.2	49.7	56.1	72.7	72.8	83.3	88.2	90.7	94.6	95.4	96.3	97.5	99.0	99.1	99.6
≥ 100	26.0	41.2	49.7	56.1	72.7	72.8	83.3	88.2	90.7	94.6	95.4	96.3	97.5	99.0	99.1	100.0
≥ 0	26.0	41.2	49.7	56.1	72.7	72.8	83.3	88.2	90.7	94.6	95.4	96.3	97.5	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 670

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34196 ILLESHEIM AAF DL 70-79 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	6.0	8.8	10.2	11.8	15.9	15.9	16.8	18.1	18.2	18.9	19.2	19.7	20.4	20.4	20.4	20.4
≥ 20000	9.0	13.4	15.3	17.3	21.9	21.9	23.6	25.2	25.6	26.7	27.4	28.0	28.9	28.9	28.9	29.1
≥ 18000	9.0	13.4	15.3	17.3	21.9	21.9	23.6	25.6	26.1	27.2	27.8	28.5	29.4	29.4	29.4	29.6
≥ 6000	9.0	13.5	15.4	17.5	22.0	22.0	23.7	25.8	26.3	27.4	28.0	28.6	29.6	29.6	29.6	29.7
≥ 4500	9.0	13.5	15.4	17.5	22.0	22.0	23.7	25.8	26.3	27.4	28.0	28.6	29.6	29.6	29.6	29.7
≥ 12000	9.0	13.8	15.7	17.8	22.3	22.3	24.1	26.1	26.6	27.7	28.3	28.9	29.9	29.9	29.9	30.0
≥ 10000	9.0	14.0	15.9	17.9	22.5	22.5	24.2	26.3	26.7	27.8	28.5	29.1	30.0	30.0	30.0	30.2
≥ 9000	9.7	14.9	16.8	18.9	23.4	23.4	25.3	27.4	27.8	28.9	29.6	30.2	31.1	31.1	31.1	31.3
≥ 8000	13.2	20.0	22.5	24.5	29.1	29.1	31.3	33.3	33.8	34.9	35.5	36.2	37.1	37.1	37.1	37.3
≥ 7000	14.0	21.7	24.4	26.4	31.3	31.3	33.8	35.8	36.3	37.9	38.5	39.2	40.1	40.1	40.1	40.3
≥ 6000	14.2	22.3	25.3	27.5	32.5	32.5	35.1	37.1	37.6	39.2	39.8	40.4	41.4	41.4	41.4	41.5
≥ 5000	14.8	23.6	26.7	29.2	34.3	34.3	36.9	39.2	39.6	41.2	41.8	42.5	43.4	43.4	43.4	43.6
≥ 4500	15.1	24.4	27.5	30.5	35.7	35.7	38.4	40.6	41.0	42.6	43.2	43.9	44.8	44.8	44.8	45.0
≥ 4000	16.4	26.7	30.3	33.5	39.5	39.5	43.1	45.6	46.1	47.8	48.4	49.1	50.0	50.0	50.0	50.2
≥ 3500	17.1	28.0	31.8	34.9	41.4	41.4	45.1	47.6	48.1	49.8	50.5	51.4	52.4	52.7	52.7	52.8
≥ 3000	18.2	30.5	34.6	38.1	45.0	45.0	48.7	51.6	52.0	53.8	54.4	55.5	56.4	56.8	57.1	57.2
≥ 2500	18.9	31.8	36.5	40.6	47.5	47.5	51.6	54.4	54.9	56.8	57.4	58.5	59.4	59.7	60.1	60.2
≥ 2000	20.8	34.9	40.7	45.0	53.6	54.1	59.4	62.4	62.9	64.8	65.4	66.5	67.6	67.9	68.2	68.4
≥ 1800	20.8	35.8	41.8	46.1	55.7	56.1	61.5	64.6	65.1	67.0	67.6	68.7	69.8	70.1	70.4	70.6
≥ 1500	22.2	38.2	44.7	49.1	59.6	60.1	65.4	68.6	69.2	71.2	71.9	73.3	74.4	74.7	75.0	75.2
≥ 1200	23.9	40.4	48.6	53.9	67.3	67.8	73.6	76.7	77.4	79.4	80.0	81.4	83.3	83.6	84.0	84.1
≥ 1000	24.4	41.2	49.5	55.3	69.3	69.8	77.2	80.7	81.6	84.0	84.6	86.0	87.9	88.4	88.7	88.8
≥ 900	24.4	41.2	49.5	55.3	69.7	70.1	78.1	81.8	82.7	85.5	86.2	87.6	89.5	89.9	90.3	90.4
≥ 800	24.7	42.0	50.3	56.8	71.4	72.2	81.1	85.1	86.2	89.2	89.8	91.4	93.2	93.7	94.0	94.2
≥ 700	24.7	42.1	50.5	56.9	71.9	72.6	81.8	85.8	86.9	89.9	90.6	92.1	94.0	94.5	94.8	95.0
≥ 600	24.7	42.1	50.5	56.9	72.0	72.8	82.4	86.6	87.7	90.7	91.4	92.9	94.8	95.3	95.6	95.8
≥ 500	24.7	42.1	50.5	56.9	72.4	73.0	82.9	87.3	88.4	91.4	92.0	93.6	95.8	96.4	96.7	96.9
≥ 400	24.7	42.1	50.5	56.9	72.2	73.0	83.5	88.1	89.2	92.1	92.8	94.3	96.5	97.2	97.5	97.6
≥ 300	24.7	42.1	50.5	56.9	72.2	73.0	83.5	88.1	89.2	92.6	93.2	94.8	97.0	98.1	98.4	98.9
≥ 200	24.7	42.1	50.5	56.9	72.2	73.0	83.5	88.1	89.2	92.6	93.2	95.0	97.2	98.4	98.7	99.7
≥ 100	24.7	42.	50.5	56.9	72.2	73.0	83.5	88.1	89.2	92.6	93.2	95.0	97.2	98.4	98.7	99.7
≥ 0	24.7	42.	50.5	56.9	72.2	73.0	83.5	88.1	89.2	92.6	93.2	95.0	97.2	98.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 636

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34196 ILLESHEIM AAF GL 70-71,79 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
NO CEILING	4.5	6.8	9.1	11.4	11.4	15.9	18.2	18.2	18.2	20.5	20.5	27.3	27.3	27.3	27.3	
≥ 20000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 18000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 16000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 14000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 12000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 11000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 10000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 9000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 8000	6.8	9.1	11.4	15.9	15.9	22.7	25.0	25.0	27.3	29.5	31.8	38.6	38.6	40.9	40.9	
≥ 7000	6.8	11.4	13.6	18.2	18.2	27.3	29.5	29.5	31.8	34.1	36.4	43.2	43.2	45.5	45.5	
≥ 6000	6.8	13.6	18.2	22.7	22.7	31.8	34.1	34.1	36.4	38.6	40.9	47.7	47.7	50.0	50.0	
≥ 5000	6.8	13.6	18.2	22.7	22.7	31.8	34.1	34.1	36.4	38.6	40.9	47.7	47.7	50.0	50.0	
≥ 4500	9.1	15.9	20.5	25.0	25.0	34.1	36.4	36.4	38.6	40.9	43.2	50.0	50.0	52.3	52.3	
≥ 4000	9.1	15.9	20.5	25.0	25.0	34.1	36.4	36.4	38.6	40.9	43.2	50.0	50.0	52.3	52.3	
≥ 3500	11.4	18.2	27.3	31.8	31.8	40.9	43.2	43.2	45.5	47.7	50.0	56.8	56.8	59.1	59.1	
≥ 3000	11.4	20.5	29.5	34.1	34.1	47.7	50.0	50.0	52.3	54.5	56.8	63.6	63.6	65.9	68.2	
≥ 2500	11.4	20.5	34.1	38.6	38.6	52.3	54.5	54.5	56.8	59.1	61.4	68.2	68.2	70.5	72.7	
≥ 2000	11.4	20.5	36.4	40.9	40.9	56.8	59.1	59.1	61.4	63.6	65.9	72.7	72.7	75.0	77.3	
≥ 1800	11.4	20.5	36.4	40.9	40.9	56.8	59.1	59.1	61.4	63.6	65.9	72.7	72.7	75.0	77.3	
≥ 1500	11.4	22.7	38.6	43.2	43.2	61.4	63.6	63.6	65.9	68.2	70.5	77.3	77.3	79.5	81.8	
≥ 1200	11.4	22.7	40.9	45.5	45.5	63.6	68.2	68.2	70.5	72.7	75.0	84.1	84.1	86.4	88.6	
≥ 1000	11.4	22.7	43.2	47.7	47.7	68.2	72.7	72.7	75.0	77.3	79.5	88.6	88.6	90.9	93.2	
≥ 900	11.4	22.7	43.2	47.7	47.7	68.2	72.7	72.7	75.0	77.3	79.5	88.6	88.6	90.9	93.2	
≥ 800	11.4	22.7	43.2	47.7	47.7	70.5	75.0	75.0	77.3	79.5	81.8	90.9	90.9	93.2	95.5	
≥ 700	11.4	22.7	43.2	47.7	47.7	70.5	75.0	75.0	77.3	79.5	81.8	90.9	90.9	93.2	95.5	
≥ 600	11.4	22.7	43.2	47.7	47.7	70.5	75.0	75.0	77.3	79.5	81.8	90.9	90.9	93.2	95.5	
≥ 500	11.4	22.7	43.2	47.7	47.7	70.5	75.0	75.0	77.3	79.5	81.8	90.9	90.9	93.2	95.5	
≥ 400	11.4	22.7	43.2	47.7	47.7	72.7	77.3	77.3	79.5	81.8	84.1	93.2	93.2	95.5	97.7	
≥ 300	11.4	22.7	43.2	47.7	47.7	72.7	77.3	77.3	79.5	81.8	84.1	93.2	93.2	95.5	97.7	
≥ 200	11.4	22.7	43.2	47.7	47.7	72.7	77.3	77.3	79.5	81.8	84.1	93.2	93.2	95.5	100.0	
≥ 100	11.4	22.7	43.2	47.7	47.7	72.7	77.3	77.3	79.5	81.8	84.1	93.2	93.2	95.5	100.0	
≥ 0	11.4	22.7	43.2	47.7	47.7	72.7	77.3	77.3	79.5	81.8	84.1	93.2	93.2	95.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 44

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

34198 ILLESHEIM AAF OL 70-79 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥	≥	≥	≥	≥	≥	≥	≥0
NO CEILING	5.0	8.6	10.1	11.3	14.7	14.9	16.6	17.6	18.0	18.7	19.0	19.4	20.1	20.4	20.6	21.1
≥ 20000	7.1	11.9	13.7	15.4	19.5	19.7	21.9	23.1	23.7	24.7	25.1	25.6	26.4	26.8	26.9	27.5
≥ 15000	7.2	12.1	13.8	15.6	19.7	19.9	22.1	23.6	24.1	25.2	25.6	26.1	26.8	27.2	27.4	28.0
≥ 12000	7.2	12.1	13.8	15.6	19.8	20.0	22.2	23.6	24.2	25.2	25.6	26.1	26.9	27.3	27.5	28.1
≥ 10000	7.2	12.2	13.9	15.7	19.8	20.0	22.2	23.7	24.2	25.3	25.7	26.2	26.9	27.4	27.5	28.2
≥ 9000	7.5	12.6	14.3	16.1	20.2	20.4	22.6	24.1	24.6	25.7	26.1	26.6	27.3	27.8	27.9	28.6
≥ 8000	7.5	13.0	14.8	16.6	20.8	21.0	23.2	24.6	25.3	26.3	26.7	27.2	28.0	28.4	28.6	29.2
≥ 7000	7.9	13.5	15.3	17.1	21.3	21.5	23.7	25.2	25.9	26.9	27.3	27.8	28.6	29.1	29.2	29.9
≥ 6000	10.2	16.9	18.9	20.8	25.5	25.7	28.3	29.8	30.5	31.5	32.0	32.5	33.3	33.8	34.0	34.7
≥ 5000	10.9	18.3	20.4	22.6	27.5	27.7	30.6	32.3	33.0	34.2	34.6	35.2	36.0	36.5	36.7	37.4
≥ 4500	11.1	18.9	21.3	23.8	28.9	29.1	32.4	34.2	34.9	36.1	36.6	37.1	37.9	38.5	38.7	39.3
≥ 4000	11.8	20.1	22.8	25.6	30.8	31.0	34.6	36.4	37.1	38.3	38.8	39.3	40.1	40.8	41.0	41.7
≥ 3500	12.6	21.4	24.2	27.1	32.7	32.9	36.6	38.5	39.1	40.4	40.9	41.5	42.3	42.9	43.1	43.8
≥ 3000	14.2	23.7	26.7	30.0	36.6	36.8	41.0	42.9	43.6	45.0	45.5	46.1	46.9	47.5	47.8	48.4
≥ 2500	15.1	25.2	28.5	31.9	38.9	39.2	43.7	45.8	46.4	47.8	48.3	48.9	49.8	50.6	50.8	51.4
≥ 2000	16.4	27.7	31.5	35.5	42.9	43.2	48.0	50.3	51.0	52.4	52.8	53.5	54.4	55.2	55.5	56.1
≥ 1800	17.8	29.7	34.2	38.5	46.4	46.7	51.9	54.2	54.9	56.4	56.9	57.5	58.4	59.2	59.5	60.2
≥ 1500	19.2	32.3	37.9	42.7	52.0	52.5	58.5	61.1	62.0	63.8	64.3	65.1	65.9	66.8	67.1	67.8
≥ 1200	19.5	33.1	38.8	43.7	53.4	53.8	59.9	62.5	63.4	65.2	65.7	66.5	67.3	68.2	68.5	69.2
≥ 1000	20.9	35.5	42.1	47.8	58.3	58.8	65.3	68.2	69.2	71.2	71.6	72.5	73.4	74.2	74.5	75.2
≥ 900	22.2	37.6	44.8	51.4	63.6	64.1	70.9	74.2	75.2	77.4	77.8	78.7	79.9	80.7	81.0	81.7
≥ 800	22.5	38.3	45.6	52.6	65.7	66.2	73.9	77.5	78.7	81.3	81.7	82.6	83.7	84.6	84.9	85.6
≥ 700	22.5	38.4	45.7	52.8	66.2	66.8	75.2	79.1	80.3	83.2	83.7	84.6	85.7	86.7	87.0	87.7
≥ 600	22.9	38.9	46.4	53.8	67.6	68.2	77.5	81.5	83.0	86.0	86.5	87.5	88.7	89.7	90.0	90.7
≥ 500	22.9	39.1	46.5	54.0	68.1	68.7	78.3	82.6	84.2	87.3	87.9	88.8	90.0	91.0	91.4	92.0
≥ 400	22.9	39.1	46.5	54.1	68.7	69.3	79.1	83.6	85.3	88.6	89.2	90.3	91.5	92.6	92.9	93.6
≥ 300	22.9	39.1	46.5	54.1	68.8	69.4	79.7	84.4	86.2	89.7	90.4	91.5	92.8	93.9	94.3	95.0
≥ 200	22.9	39.1	46.5	54.1	68.9	69.5	80.5	85.5	87.4	91.0	91.8	93.0	94.4	96.0	96.4	97.1
≥ 100	22.9	39.1	46.5	54.1	69.0	69.6	80.6	85.6	87.5	91.4	92.2	93.4	95.0	96.7	97.3	98.3
≥ 0	22.9	39.1	46.5	54.1	69.0	69.6	80.6	85.7	87.6	91.5	92.3	93.5	95.1	97.0	97.6	98.8
	22.9	39.1	46.5	54.1	69.0	69.6	80.6	85.7	87.6	91.5	92.3	93.5	95.1	97.0	97.7	99.7
	22.9	39.1	46.5	54.1	69.0	69.6	80.6	85.7	87.6	91.5	92.3	93.5	95.1	97.0	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2636

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 70-79 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS. 0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	1¾	1½	1¼	1	⅞	¾	⅝	½	<½
NO CEILING	7.4	14.5	16.4	17.1	19.7	19.9	21.0	21.8	22.3	23.3	23.5	23.5	23.6	23.6	24.0	24.8
≥ 20000	7.6	15.3	17.5	18.8	21.4	21.6	22.7	23.8	24.4	25.3	25.5	25.5	25.7	25.7	26.1	27.0
≥ 15000	7.6	15.3	17.5	18.8	21.4	21.6	22.7	23.8	24.4	25.3	25.5	25.5	25.7	25.7	26.1	27.0
≥ 10000	7.6	15.3	17.5	18.8	21.4	21.6	22.7	23.8	24.4	25.3	25.5	25.5	25.7	25.7	26.1	27.0
≥ 9000	7.6	15.3	17.5	18.8	21.4	21.6	22.7	23.8	24.4	25.3	25.5	25.5	25.7	25.7	26.1	27.0
≥ 8000	7.6	15.3	17.5	18.8	21.4	21.6	22.7	23.8	24.4	25.3	25.5	25.5	25.7	25.7	26.1	27.0
≥ 7000	7.6	16.0	18.2	19.6	22.2	22.3	23.5	24.6	25.1	26.1	26.3	26.3	26.4	26.4	26.8	27.7
≥ 6000	7.6	17.3	19.6	20.9	23.6	23.8	25.0	26.3	26.8	28.1	28.3	28.3	28.5	28.5	28.9	29.8
≥ 5000	9.7	20.7	23.1	24.6	27.7	27.9	29.2	30.5	31.3	33.0	33.1	33.3	33.5	33.5	33.9	34.8
≥ 4500	10.2	22.9	25.5	27.0	30.2	30.4	31.8	33.5	34.3	35.9	36.1	36.3	36.5	36.5	36.9	37.6
≥ 4000	10.2	24.0	27.0	28.7	32.0	32.2	33.7	35.4	36.1	38.2	38.4	38.5	38.7	38.7	39.3	40.2
≥ 3500	10.8	25.5	28.9	31.1	34.6	34.8	36.7	38.9	39.7	41.7	41.9	42.1	42.5	42.6	43.2	44.1
≥ 3000	11.4	26.8	30.0	32.2	36.1	36.3	38.4	40.6	41.3	43.4	43.6	43.8	44.1	44.3	44.9	45.8
≥ 2500	14.0	30.7	34.5	37.2	41.3	41.5	44.3	47.1	48.0	50.5	50.7	51.0	51.8	52.0	52.5	53.4
≥ 2000	14.9	32.2	35.9	38.7	43.4	43.6	46.4	49.9	50.8	54.0	54.2	54.6	55.3	55.5	56.1	57.0
≥ 1800	17.3	36.1	40.4	43.9	49.2	49.3	52.5	56.1	57.0	60.1	60.3	60.7	61.5	61.6	62.2	63.1
≥ 1600	18.8	38.2	42.8	46.7	53.1	53.3	57.0	60.7	61.6	65.0	65.2	65.5	66.3	66.5	67.0	68.0
≥ 1400	20.3	40.4	45.6	49.9	58.3	58.5	62.8	66.9	67.8	71.3	71.5	71.9	72.6	72.8	73.4	74.3
≥ 1200	20.3	40.4	45.8	50.1	58.5	58.7	62.9	67.0	68.0	71.9	72.3	72.6	73.4	73.6	74.1	75.0
≥ 1000	21.2	41.7	47.7	52.5	61.6	61.8	66.1	70.4	71.3	75.4	76.0	76.4	77.3	77.5	78.0	79.0
≥ 900	22.0	43.2	49.2	54.6	65.0	65.2	69.5	74.1	75.0	79.3	80.1	80.4	81.4	81.6	82.1	83.1
≥ 800	22.2	43.8	49.7	55.5	66.5	67.0	72.1	77.7	78.8	83.1	84.0	84.5	85.5	85.7	86.2	87.2
≥ 700	22.5	44.1	50.7	57.2	68.2	68.7	73.7	79.3	80.4	84.7	86.0	86.6	87.5	87.9	88.5	89.4
≥ 600	22.5	44.1	50.7	57.4	68.7	69.3	74.9	80.6	81.8	86.2	87.5	88.1	89.0	89.4	89.9	90.9
≥ 500	22.5	44.1	50.7	57.4	69.3	69.8	75.8	81.6	82.9	87.5	88.8	89.4	90.3	90.9	91.4	92.4
≥ 400	22.5	44.1	50.7	57.4	69.8	70.4	77.1	83.8	85.7	90.3	91.6	92.2	93.1	93.7	94.2	95.2
≥ 300	22.5	44.1	50.7	57.4	69.8	70.4	77.1	84.0	85.8	91.1	92.4	93.1	94.2	95.0	95.5	96.5
≥ 200	22.5	44.1	50.7	57.4	69.8	70.4	77.1	84.4	86.4	92.0	93.5	94.2	95.7	96.5	97.0	98.0
≥ 100	22.5	44.1	50.7	57.4	69.8	70.4	77.1	84.4	86.4	92.4	93.9	94.5	96.5	97.6	98.1	99.1
≥ 0	22.5	44.1	50.7	57.4	69.8	70.4	77.1	84.4	86.4	92.4	93.9	94.6	96.5	97.6	98.3	99.3
	22.5	44.1	50.7	57.4	69.8	70.4	77.1	84.4	86.4	92.4	93.9	94.6	96.5	97.6	98.3	99.6
	22.5	44.1	50.7	57.4	69.8	70.4	77.1	84.4	86.4	92.4	93.9	94.6	96.5	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 537

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF OL 70-79 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	¾	½	¼	0			
NO CEILING	7.1	12.6	15.1	17.1	19.7	19.7	21.1	21.6	22.9	23.7	23.9	24.0	24.0	24.0	24.0	24.5
≥ 22000	8.3	16.1	19.1	21.6	24.9	24.9	26.4	27.7	29.2	30.0	30.2	30.3	30.3	30.3	30.3	31.0
≥ 8000	8.3	16.1	19.1	21.6	24.9	24.9	26.4	27.7	29.2	30.0	30.2	30.3	30.3	30.3	30.3	31.0
≥ 6500	8.3	16.1	19.1	21.6	24.9	24.9	26.4	27.7	29.2	30.0	30.2	30.3	30.3	30.3	30.3	31.0
≥ 5000	8.3	16.1	19.1	21.6	24.9	24.9	26.4	27.7	29.2	30.0	30.2	30.3	30.3	30.3	30.3	31.0
≥ 4500	8.3	16.1	19.1	21.6	24.9	24.9	26.4	27.7	29.2	30.0	30.2	30.3	30.3	30.3	30.3	31.0
≥ 3500	8.6	16.9	19.9	22.4	25.7	25.7	27.4	28.9	30.3	31.2	31.3	31.5	31.5	31.5	31.5	32.2
≥ 3000	9.0	18.1	21.1	23.5	26.9	26.9	28.5	30.0	31.5	32.3	32.5	32.7	32.7	32.7	32.7	33.3
≥ 2500	10.0	20.1	23.7	27.0	31.5	31.5	33.2	35.3	37.1	38.1	38.3	38.6	38.6	38.6	38.6	39.3
≥ 2000	10.9	23.7	27.4	31.3	36.5	36.7	38.8	41.1	43.3	44.4	44.6	44.9	44.9	44.9	44.9	45.6
≥ 1800	10.9	24.4	28.2	32.2	37.3	37.5	39.8	42.1	44.3	45.4	45.6	45.9	45.9	45.9	45.9	46.6
≥ 1500	11.3	25.9	29.9	34.3	40.1	40.3	43.1	45.4	47.6	49.1	49.3	49.6	49.6	49.8	49.8	50.4
≥ 1200	11.6	26.2	30.2	34.7	40.5	40.6	43.8	46.4	48.6	50.2	50.4	50.7	50.7	50.9	50.9	51.6
≥ 1000	12.8	28.4	32.3	37.3	43.6	43.8	47.4	50.7	52.9	55.1	55.2	55.6	55.7	55.9	55.9	56.6
≥ 900	12.8	28.7	32.7	37.6	44.4	44.6	48.4	51.7	53.9	56.2	56.4	56.7	56.9	57.0	57.0	57.7
≥ 800	15.4	32.5	36.5	42.6	49.8	49.9	54.4	58.4	60.7	63.3	63.5	63.8	64.3	64.5	64.5	65.2
≥ 700	16.7	34.2	38.6	45.1	52.9	53.1	58.4	62.4	65.0	68.2	68.5	68.8	69.3	69.5	69.5	70.1
≥ 600	17.7	36.0	40.6	48.1	56.7	56.9	62.4	66.7	69.3	72.5	72.8	73.1	74.0	74.1	74.1	74.8
≥ 500	17.7	36.2	41.1	48.6	57.4	57.5	63.0	67.5	70.1	73.5	74.1	74.5	75.3	75.5	75.5	76.1
≥ 400	18.1	36.7	41.8	49.4	58.9	59.0	64.5	69.2	71.8	75.5	76.1	76.5	77.3	77.4	77.4	78.1
≥ 300	18.4	37.5	42.6	50.9	62.0	62.2	68.0	73.1	75.8	79.8	80.6	80.9	81.8	81.9	81.9	82.6
≥ 200	18.6	37.8	43.0	51.6	64.0	64.2	71.0	76.5	79.1	83.7	84.9	85.4	86.4	86.6	86.6	87.2
≥ 100	18.9	38.1	43.3	52.1	64.8	65.2	72.1	77.9	80.6	85.2	86.4	86.9	87.9	88.2	88.2	88.9
≥ 000	18.9	38.1	43.3	52.1	65.5	66.0	74.0	79.9	82.8	87.9	89.2	89.7	90.7	91.2	91.2	91.9
≥ 700	18.9	38.1	43.3	52.1	66.0	66.5	75.8	81.9	84.9	90.0	91.4	91.9	92.9	93.4	93.4	94.0
≥ 600	18.9	38.1	43.3	52.1	66.5	67.0	77.3	83.7	86.9	92.4	93.7	94.2	95.2	95.7	95.7	96.4
≥ 500	18.9	38.1	43.3	52.1	66.7	67.2	77.4	84.6	87.7	93.4	94.7	95.4	96.4	97.2	97.3	98.0
≥ 400	18.9	38.1	43.3	52.1	66.7	67.2	77.6	84.9	88.4	94.2	95.5	96.2	97.2	98.0	98.2	98.8
≥ 300	18.9	38.1	43.3	52.1	66.7	67.2	77.6	84.9	88.4	94.2	95.5	96.2	97.2	98.2	98.3	99.0
≥ 200	18.9	38.1	43.3	52.1	66.7	67.2	77.6	84.9	88.4	94.2	95.5	96.2	97.2	98.3	98.8	99.5
≥ 100	18.9	38.1	43.3	52.1	66.7	67.2	77.6	84.9	88.4	94.2	95.5	96.2	97.2	98.5	99.0	99.7
≥ 0	18.9	38.1	43.3	52.1	66.7	67.2	77.6	84.9	88.4	94.2	95.5	96.2	97.2	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 603

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3419 ILLESHEIM AAF DL 70-79 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥															
CEILING UNLIMITED	8.9	15.3	16.0	17.2	20.4	20.4	21.6	21.9	23.1	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 20000	11.6	20.2	20.9	23.3	28.0	28.2	29.5	30.0	31.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 15000	11.6	20.2	20.9	23.3	28.0	28.2	29.5	30.2	31.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 10000	11.6	20.2	20.9	23.3	28.0	28.2	29.5	30.2	31.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 9000	11.6	20.2	21.1	23.4	28.5	28.7	30.0	30.7	32.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 8000	12.0	21.4	22.3	24.6	29.8	30.0	31.4	32.0	33.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 7000	12.8	22.6	23.4	25.8	31.0	31.2	32.7	34.1	35.6	36.6	36.6	36.6	36.6	36.8	36.8	36.8
≥ 6000	12.8	22.8	23.6	26.0	31.2	31.4	32.9	34.2	35.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9
≥ 5000	14.2	25.3	26.5	29.5	35.6	35.8	37.4	39.0	40.5	41.5	41.5	41.5	41.5	41.7	41.7	41.7
≥ 4500	14.8	28.2	29.3	32.5	39.5	39.6	42.0	43.7	45.2	46.2	46.2	46.2	46.2	46.4	46.4	46.4
≥ 4000	15.2	29.2	30.4	33.6	40.6	40.8	43.2	45.0	46.5	47.6	47.6	47.6	47.6	47.7	47.7	47.7
≥ 3500	16.0	30.9	32.0	35.4	43.1	43.2	45.5	47.7	49.2	50.3	50.3	50.3	50.3	50.4	50.4	50.4
≥ 3000	16.4	31.2	32.7	36.1	44.0	44.2	46.5	48.7	50.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4
≥ 2500	17.7	33.6	35.2	39.3	47.9	48.1	51.1	53.6	55.1	56.7	56.7	56.7	56.7	56.8	56.8	56.8
≥ 2200	18.2	34.7	36.4	40.6	49.6	49.7	53.0	55.8	57.3	59.0	59.0	59.0	59.0	59.2	59.2	59.2
≥ 2000	19.9	38.4	40.8	45.7	55.0	55.1	58.9	61.7	63.2	65.1	65.1	65.1	65.1	65.4	65.4	65.4
≥ 1800	21.9	41.8	44.5	49.4	59.0	59.2	63.4	66.8	68.5	70.8	70.8	70.8	70.8	71.2	71.2	71.2
≥ 1600	23.1	45.4	48.2	54.1	64.2	64.4	68.6	72.5	74.2	76.6	76.6	76.6	76.6	76.9	76.9	76.9
≥ 1400	23.3	45.5	48.4	54.3	65.1	65.3	69.5	73.4	75.0	77.6	77.6	77.6	77.6	77.9	77.9	77.9
≥ 1200	23.8	46.5	49.6	56.3	68.0	68.1	72.7	76.6	78.4	81.3	81.3	81.3	81.3	81.6	81.6	81.6
≥ 1000	24.1	47.4	50.6	58.3	71.0	71.2	75.7	79.9	82.0	85.0	85.3	85.3	85.5	85.8	85.8	85.8
≥ 900	24.1	48.2	51.6	59.4	72.3	73.2	78.6	83.0	85.0	88.4	88.7	88.9	89.0	89.4	89.4	89.4
≥ 800	24.3	48.6	51.9	59.9	73.9	74.7	81.1	85.8	87.9	91.2	91.6	91.7	91.9	92.2	92.2	92.2
≥ 700	24.3	48.6	51.9	59.9	74.4	75.2	83.0	88.2	90.2	93.8	94.1	94.3	94.4	94.8	94.8	94.8
≥ 600	24.3	48.6	51.9	59.9	74.5	75.4	84.0	89.4	91.4	95.1	95.4	95.6	95.8	96.1	96.1	96.1
≥ 500	24.3	48.6	51.9	59.9	74.9	75.7	85.2	90.7	92.7	96.6	97.1	97.3	97.6	98.1	98.1	98.1
≥ 400	24.3	48.6	51.9	59.9	74.9	75.7	85.2	90.7	92.7	97.1	97.6	98.0	98.5	98.8	98.8	98.8
≥ 300	24.3	48.6	51.9	59.9	74.9	75.7	85.2	90.7	92.7	97.1	97.6	98.0	98.5	98.8	98.8	98.8
≥ 200	24.3	48.6	51.9	59.9	74.9	75.7	85.2	90.7	92.7	97.1	97.6	98.0	98.5	99.0	99.2	99.2
≥ 100	24.3	48.6	51.9	59.9	74.9	75.7	85.2	90.7	92.7	97.1	97.6	98.0	98.5	99.3	99.7	99.7
≥ 0	24.3	48.6	51.9	59.9	74.9	75.7	85.2	90.7	92.7	97.1	97.6	98.0	98.5	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	8.6	14.2	15.8	17.4	20.2	20.2	20.4	20.4	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
≥ 20000	11.6	21.1	23.6	26.0	30.4	30.4	30.9	30.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 18000	11.6	21.1	23.6	26.0	30.4	30.4	30.9	30.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 16000	11.6	21.1	23.6	26.0	30.4	30.4	30.9	30.9	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 14000	11.8	21.1	23.7	26.2	30.6	30.6	31.1	31.1	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 12000	12.7	22.5	25.3	27.8	32.2	32.2	32.7	32.7	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 10000	12.8	23.6	26.5	29.2	34.1	34.1	34.6	35.1	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 9000	13.2	24.4	27.4	30.1	35.3	35.3	35.9	36.4	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 8000	14.6	27.8	31.5	34.4	40.2	40.2	40.8	41.3	41.8	42.0	42.0	42.0	42.4	42.4	42.4	42.4
≥ 7000	16.3	31.1	34.8	37.8	43.9	43.9	44.5	45.2	45.7	45.9	45.9	45.9	46.2	46.2	46.2	46.2
≥ 6000	16.7	32.5	36.4	39.9	46.9	46.9	47.6	48.3	48.9	49.0	49.0	49.0	49.4	49.4	49.4	49.4
≥ 5000	17.4	34.6	38.5	42.5	49.9	49.9	50.8	51.5	52.0	52.2	52.2	52.2	52.5	52.5	52.5	52.5
≥ 4500	17.9	35.7	40.1	44.5	51.8	51.8	52.7	53.4	54.0	54.1	54.1	54.1	54.5	54.5	54.5	54.5
≥ 4000	19.5	38.0	42.5	47.8	55.2	55.2	56.1	56.9	57.8	58.5	58.5	58.5	58.9	58.9	58.9	58.9
≥ 3500	20.7	40.1	44.6	50.1	58.7	58.7	59.9	61.0	61.9	62.6	62.6	62.6	62.9	62.9	62.9	62.9
≥ 3000	22.8	43.6	48.7	54.5	63.3	63.3	64.5	65.6	66.4	67.3	67.3	67.3	67.7	67.7	67.7	67.7
≥ 2500	25.1	46.7	52.9	59.2	68.5	68.5	69.8	71.0	71.9	72.8	72.8	72.8	73.1	73.1	73.1	73.1
≥ 2000	27.4	50.1	56.4	62.9	73.3	73.3	75.0	76.6	77.9	79.1	79.3	79.3	79.6	79.6	79.6	79.6
≥ 1800	28.1	51.5	58.0	64.7	75.6	75.6	77.3	78.9	80.1	81.4	81.5	81.5	81.9	81.9	81.9	81.9
≥ 1500	28.8	53.3	59.9	67.3	79.3	79.3	81.4	83.0	84.2	86.1	86.5	86.5	86.8	86.8	86.8	86.8
≥ 1200	29.0	53.4	60.1	68.5	81.5	81.5	84.0	85.6	87.0	89.1	89.6	89.6	90.3	90.3	90.3	90.3
≥ 1000	29.3	54.7	61.3	70.1	83.7	84.0	86.6	88.2	89.6	91.9	92.4	92.4	93.1	93.1	93.1	93.1
≥ 900	29.5	54.8	61.5	70.3	84.5	84.9	88.4	90.0	91.4	93.7	94.2	94.2	94.9	94.9	94.9	94.9
≥ 800	29.5	54.8	61.5	70.3	84.5	84.9	90.2	91.7	93.1	95.8	96.3	96.3	97.0	97.0	97.0	97.0
≥ 700	29.5	54.8	61.5	70.3	84.5	84.9	90.2	91.7	93.1	96.0	96.5	96.5	97.2	97.2	97.2	97.2
≥ 600	29.5	54.8	61.9	70.7	85.1	85.4	90.9	92.6	94.0	96.8	97.4	97.9	98.6	98.6	98.6	98.6
≥ 500	29.5	54.8	62.0	70.8	85.2	85.6	91.0	92.8	94.6	97.4	97.9	98.4	99.1	99.1	99.1	99.1
≥ 400	29.7	55.0	62.2	71.0	85.4	85.8	91.2	93.0	94.7	97.5	98.1	98.6	99.3	99.3	99.3	99.3
≥ 300	29.7	55.0	62.2	71.0	85.4	85.8	91.2	93.0	94.7	97.5	98.1	98.6	99.3	99.6	99.6	99.6
≥ 200	29.7	55.0	62.2	71.0	85.4	85.8	91.2	93.0	94.7	97.5	98.1	98.6	99.3	99.8	100.0	100.0
≥ 100	29.7	55.0	62.2	71.0	85.4	85.8	91.2	93.0	94.7	97.5	98.1	98.6	99.3	99.8	100.0	100.0
≥ 0	29.7	55.0	62.2	71.0	85.4	85.8	91.2	93.0	94.7	97.5	98.1	98.6	99.3	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 569

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 70 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	16.0	16.0	16.0	16.0	16.0	16.0
≥ 20000	16.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 18000	16.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 16000	16.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 14000	16.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 12000	16.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 10000	16.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 9000	16.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 8000	16.0	20.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 7000	24.0	32.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 6000	24.0	36.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 5000	28.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 4500	28.0	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 4000	32.0	44.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 3500	32.0	44.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 3000	32.0	44.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 2500	32.0	48.0	56.0	56.0	60.0	60.0	60.0	60.0	60.0	60.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 2000	36.0	52.0	60.0	60.0	64.0	64.0	64.0	64.0	64.0	64.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1800	36.0	52.0	60.0	64.0	68.0	68.0	68.0	68.0	68.0	68.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1500	36.0	52.0	60.0	64.0	68.0	68.0	68.0	68.0	68.0	76.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	36.0	52.0	60.0	64.0	68.0	68.0	68.0	68.0	72.0	80.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000	40.0	60.0	68.0	72.0	76.0	76.0	76.0	76.0	80.0	88.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	44.0	64.0	72.0	76.0	80.0	80.0	80.0	80.0	84.0	92.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	44.0	64.0	72.0	76.0	80.0	80.0	84.0	84.0	88.0	96.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 25

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	0
NO CEILING	8.1	14.2	15.8	17.2	20.0	20.0	21.0	21.4	22.3	22.8	23.0	23.0	23.0	23.0	23.1	23.4
≥ 20000	9.9	18.3	20.3	22.5	26.2	26.3	27.4	28.1	29.2	29.9	30.0	30.0	30.1	30.1	30.2	30.5
≥ 8000	9.9	18.3	20.3	22.5	26.2	26.3	27.4	28.2	29.2	29.9	30.0	30.1	30.1	30.1	30.2	30.6
≥ 6000	9.9	18.3	20.3	22.5	26.2	26.3	27.4	28.2	29.2	29.9	30.0	30.1	30.1	30.1	30.2	30.6
≥ 4500	9.9	18.3	20.4	22.6	26.4	26.5	27.6	28.4	29.4	30.1	30.2	30.2	30.3	30.3	30.4	30.8
≥ 4000	10.2	18.9	21.1	23.3	27.1	27.2	28.3	29.1	30.1	30.8	30.9	31.0	31.0	31.0	31.1	31.5
≥ 3500	10.6	19.9	22.1	24.3	28.3	28.4	29.6	30.7	31.7	32.4	32.6	32.6	32.6	32.7	32.8	33.2
≥ 3000	10.7	20.7	23.0	25.1	29.3	29.3	30.5	31.7	32.7	33.5	33.7	33.7	33.8	33.8	33.9	34.3
≥ 2500	12.1	23.5	26.2	28.9	33.8	33.8	35.1	36.5	37.7	38.6	38.7	38.9	39.0	39.0	39.1	39.5
≥ 2000	13.2	26.6	29.4	32.3	37.6	37.8	39.4	41.0	42.2	43.2	43.3	43.5	43.6	43.6	43.7	44.1
≥ 1800	13.4	27.7	30.6	33.7	39.3	39.5	41.2	42.8	44.1	45.1	45.3	45.4	45.5	45.6	45.7	46.1
≥ 1500	14.0	29.4	32.5	36.0	42.0	42.2	44.1	46.0	47.2	48.4	48.5	48.6	48.8	48.9	49.1	49.5
≥ 1200	14.5	30.1	33.4	37.0	43.2	43.3	45.4	47.4	48.6	49.8	49.9	50.1	50.2	50.4	50.5	50.9
≥ 1000	16.1	32.8	36.3	40.5	47.1	47.2	49.8	52.1	53.5	55.2	55.3	55.5	55.8	55.9	56.0	56.4
≥ 900	16.8	34.0	37.5	41.8	49.0	49.2	51.9	54.6	55.9	57.9	58.0	58.2	58.5	58.6	58.7	59.1
≥ 800	19.0	37.7	41.7	46.7	54.3	54.4	57.5	60.4	61.8	63.9	64.0	64.2	64.6	64.7	64.9	65.3
≥ 700	20.7	40.3	44.8	50.2	58.4	58.5	62.1	65.2	66.7	69.1	69.3	69.5	69.8	70.0	70.1	70.5
≥ 600	22.2	43.0	47.8	53.8	63.1	63.2	67.1	70.6	72.2	74.7	74.9	75.1	75.6	75.8	75.9	76.3
≥ 500	22.4	43.5	48.4	54.5	64.1	64.3	68.2	71.6	73.3	76.0	76.3	76.5	77.0	77.1	77.3	77.6
≥ 400	23.0	44.6	49.8	56.5	66.9	67.1	71.1	74.7	76.4	79.5	80.0	80.1	80.7	80.8	81.0	81.3
≥ 300	23.4	45.4	50.7	58.1	69.8	70.0	74.2	78.1	79.9	83.3	83.9	84.1	84.7	84.9	85.0	85.4
≥ 200	23.6	46.3	51.6	59.3	71.7	72.2	77.1	81.3	83.1	86.8	87.6	87.9	88.6	88.8	88.9	89.3
≥ 100	23.9	46.6	52.0	60.0	72.9	73.4	78.9	83.3	85.1	88.8	89.7	90.0	90.6	90.9	91.0	91.4
≥ 0	23.9	46.6	52.0	60.1	73.4	73.9	80.6	85.2	87.0	91.0	91.9	92.2	92.9	93.2	93.4	93.7
	23.9	46.6	52.0	60.1	73.7	74.2	81.5	86.2	88.2	92.3	93.2	93.5	94.2	94.5	94.6	95.0
	23.9	46.6	52.1	60.1	74.1	74.7	82.7	87.7	89.9	94.1	95.1	95.5	96.3	96.6	96.7	97.1
	23.9	46.6	52.2	60.2	74.2	74.8	82.8	88.0	90.3	94.8	95.8	96.3	97.1	97.6	97.8	98.2
	24.0	46.7	52.2	60.2	74.3	74.8	82.8	88.2	90.6	95.3	96.3	96.8	97.7	98.2	98.4	98.8
	24.0	46.7	52.2	60.2	74.3	74.8	82.8	88.2	90.6	95.4	96.4	96.9	97.9	98.6	98.8	99.2
	24.0	46.7	52.2	60.2	74.3	74.8	82.8	88.2	90.6	95.4	96.4	96.9	97.9	98.8	99.2	99.6
	24.0	46.7	52.2	60.2	74.3	74.8	82.8	88.2	90.6	95.4	96.4	96.9	97.9	98.8	99.3	99.8
	24.0	46.7	52.2	60.2	74.3	74.8	82.8	88.2	90.6	95.4	96.4	96.9	97.9	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2331

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

34190 ILLESHEIM AAF DL 69-78 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	=0
NO CEILING	6.5	16.7	19.8	22.0	24.5	24.5	26.1	27.1	27.3	28.8	28.8	29.0	29.1	29.5	30.0	31.2
≥ 20000	8.2	20.6	24.5	27.1	30.0	30.0	31.9	33.6	33.7	35.3	35.3	35.4	35.6	36.3	37.0	38.2
≥ 18000	8.2	21.1	25.0	27.6	30.5	30.5	32.4	34.1	34.2	35.8	35.9	36.1	36.3	37.1	37.8	39.0
≥ 16000	8.2	21.1	25.0	27.6	30.5	30.5	32.4	34.1	34.2	35.8	35.9	36.1	36.3	37.1	37.8	39.0
≥ 14000	8.2	21.1	25.0	27.6	30.5	30.5	32.4	34.1	34.2	35.8	35.9	36.1	36.3	37.1	37.8	39.0
≥ 12000	8.2	21.1	25.0	27.6	30.7	30.7	32.5	34.2	34.4	35.9	36.1	36.3	36.5	37.3	38.0	39.2
≥ 10000	8.3	21.5	25.6	28.1	31.2	31.2	33.0	34.9	35.1	36.6	36.8	37.0	37.1	38.3	39.0	40.4
≥ 9000	9.0	22.7	26.7	29.3	32.4	32.4	34.2	36.1	36.3	37.8	38.0	38.2	38.3	39.5	40.2	41.6
≥ 8000	11.1	25.9	30.5	33.0	36.3	36.3	38.2	40.0	40.2	41.7	41.9	42.1	42.2	43.4	44.1	45.8
≥ 7000	11.9	28.4	33.4	36.6	40.0	40.0	41.9	43.8	44.0	45.5	45.7	45.8	46.0	47.2	47.9	49.6
≥ 6000	12.4	30.7	35.8	39.2	42.6	42.6	44.5	46.5	46.8	48.4	48.6	48.7	49.1	50.3	50.9	52.6
≥ 5000	13.3	32.0	37.1	41.1	45.5	45.5	47.4	49.6	49.9	51.4	51.6	51.8	52.1	53.3	54.0	55.7
≥ 4500	14.0	34.1	39.2	43.3	48.0	48.0	50.1	52.3	52.6	54.2	54.3	54.5	54.9	56.0	56.9	58.6
≥ 4000	15.0	35.8	41.2	46.3	52.1	52.1	55.4	57.8	58.3	60.0	60.3	61.0	61.3	62.5	63.4	65.1
≥ 3500	16.7	38.3	44.0	49.2	55.2	55.2	58.4	60.8	61.3	63.2	63.5	64.2	64.7	65.9	66.8	68.5
≥ 3000	18.2	42.2	48.2	54.7	61.2	61.2	64.4	67.0	67.5	69.3	69.7	70.4	70.9	72.1	72.9	74.6
≥ 2500	19.6	43.6	50.4	57.4	64.1	64.1	67.6	70.7	71.2	73.1	73.4	74.1	74.6	75.8	76.7	78.4
≥ 2000	20.6	45.3	52.3	60.0	67.8	67.8	72.4	75.5	76.3	78.5	78.9	79.6	80.1	81.3	82.1	83.8
≥ 1800	20.6	45.5	52.5	60.1	68.1	68.1	73.1	76.3	77.2	79.4	79.7	80.4	80.9	82.1	83.0	84.7
≥ 1500	20.6	45.7	52.6	60.5	68.8	68.8	73.9	77.2	78.0	80.2	80.6	81.3	81.8	83.0	83.8	85.5
≥ 1200	21.0	46.8	53.8	62.2	71.0	71.0	76.1	79.4	80.2	82.8	83.5	84.5	85.0	86.2	87.1	88.8
≥ 1000	21.1	47.7	54.9	63.4	73.3	73.3	78.5	81.9	83.0	85.7	86.4	87.6	88.4	89.6	90.5	92.2
≥ 900	21.1	47.7	54.9	63.4	73.3	73.3	78.7	82.1	83.1	85.9	86.5	87.7	88.6	89.8	90.6	92.3
≥ 800	21.1	47.7	54.9	63.5	73.8	73.8	79.9	83.6	84.7	87.9	88.8	89.9	91.3	92.5	93.4	95.1
≥ 700	21.1	47.7	54.9	63.5	73.8	73.8	79.9	83.8	84.8	88.1	88.9	90.1	91.5	92.7	93.5	95.2
≥ 600	21.1	47.7	54.9	63.5	73.8	73.8	79.9	83.8	84.8	88.4	89.3	90.5	91.8	93.0	93.9	95.6
≥ 500	21.1	47.7	54.9	63.5	73.8	73.8	80.2	84.2	85.2	88.8	89.6	90.8	92.2	93.4	94.2	95.9
≥ 400	21.1	47.7	54.9	63.5	73.8	73.8	80.2	84.2	85.2	88.9	90.1	91.3	92.7	93.9	94.7	96.4
≥ 300	21.1	47.7	54.9	63.5	73.8	73.8	80.4	84.3	85.3	89.1	90.3	91.5	92.8	94.0	95.1	97.1
≥ 200	21.1	47.7	54.9	63.5	73.8	73.8	80.4	84.3	85.3	89.1	90.3	91.5	93.4	94.7	95.9	98.1
≥ 100	21.1	47.7	54.9	63.5	73.8	73.8	80.4	84.3	85.3	89.1	90.3	91.5	93.4	94.7	96.4	99.5
≥ 0	21.1	47.7	54.9	63.5	73.8	73.8	80.4	84.3	85.3	89.1	90.3	91.5	93.4	94.7	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	7.6	19.5	23.0	26.6	29.8	30.0	31.8	32.5	32.6	33.0	33.2	33.2	33.2	33.3	33.5	33.9
≥ 25000	9.4	24.9	29.5	33.8	37.2	37.5	39.6	40.9	41.3	42.1	42.2	42.3	42.5	42.8	42.9	43.3
≥ 18000	9.4	24.9	29.5	33.8	37.2	37.5	39.6	40.9	41.3	42.1	42.2	42.3	42.5	42.8	42.9	43.3
≥ 9000	9.4	24.9	29.5	33.8	37.2	37.5	39.6	40.9	41.3	42.1	42.2	42.3	42.5	42.8	42.9	43.3
≥ 14000	9.4	24.9	29.5	33.8	37.2	37.5	39.6	40.9	41.3	42.1	42.2	42.3	42.5	42.8	42.9	43.3
≥ 12000	9.6	25.5	30.3	34.6	38.2	38.5	40.6	41.9	42.3	43.1	43.2	43.3	43.5	43.8	43.9	44.3
≥ 10000	9.6	25.9	30.9	35.2	38.9	39.2	41.3	43.1	43.5	44.2	44.5	44.6	44.8	45.1	45.2	45.6
≥ 9000	9.6	26.3	31.5	35.8	39.5	39.8	41.9	43.6	44.1	44.8	45.1	45.2	45.4	45.6	45.8	46.2
≥ 8000	11.6	30.6	36.5	41.2	44.9	45.2	47.4	49.2	49.6	50.4	50.6	50.8	50.9	51.2	51.6	52.2
≥ 7000	12.0	32.2	38.3	43.6	48.4	48.6	50.9	52.8	53.2	54.2	54.5	54.8	54.9	55.2	55.7	56.2
≥ 6000	12.4	33.2	39.5	44.9	50.1	50.4	53.2	55.2	55.7	56.7	56.9	57.2	57.4	57.7	58.1	58.7
≥ 5000	12.6	33.9	40.2	45.8	51.5	51.8	54.6	56.7	57.1	58.1	58.4	58.7	58.8	59.1	59.5	60.1
≥ 4500	13.0	35.2	41.5	47.2	53.1	53.4	56.2	58.2	58.7	59.7	59.9	60.4	60.5	60.8	61.2	61.8
≥ 4000	14.4	37.5	43.9	49.6	56.1	56.4	59.7	62.1	62.5	63.7	64.1	64.5	64.7	64.9	65.4	66.0
≥ 3500	15.2	39.3	46.1	52.1	58.5	58.8	62.1	64.8	65.2	66.7	67.1	67.5	67.7	68.0	68.4	69.0
≥ 3000	16.9	42.5	49.5	56.2	63.2	63.5	67.2	70.0	70.4	72.0	72.5	73.0	73.1	73.4	73.8	74.4
≥ 2500	17.9	44.1	51.2	58.2	65.8	66.1	70.1	73.4	73.8	75.7	76.3	76.7	76.8	77.1	77.5	78.1
≥ 2000	18.6	45.9	53.2	60.5	68.8	69.1	73.4	76.8	77.3	79.8	80.4	81.0	81.1	81.4	81.8	82.4
≥ 1800	19.2	46.8	54.1	61.4	69.8	70.1	74.5	78.0	78.5	81.1	81.7	82.4	82.5	82.8	83.3	83.8
≥ 1500	19.7	47.8	55.4	62.8	71.7	72.2	76.7	80.3	80.8	83.5	84.1	84.8	85.0	85.3	85.7	86.3
≥ 1200	20.2	48.8	56.9	64.9	74.7	75.3	79.8	83.4	84.0	86.7	87.3	88.1	88.3	88.6	89.0	89.6
≥ 1000	20.2	48.8	56.9	65.2	75.1	75.7	80.3	83.8	84.5	87.7	88.3	89.4	89.6	89.8	90.3	90.8
≥ 900	20.2	49.1	57.2	65.5	75.5	76.1	80.8	84.4	85.1	88.7	89.6	90.8	91.0	91.3	91.7	92.3
≥ 800	20.5	49.5	57.8	66.1	77.3	77.8	83.1	86.7	87.4	91.6	92.6	94.0	94.3	94.6	95.0	95.6
≥ 700	20.5	49.5	57.8	66.2	78.3	78.8	84.3	87.8	88.6	92.7	93.7	95.1	95.6	95.9	96.3	96.9
≥ 600	20.5	49.5	57.8	66.2	78.3	78.8	84.3	87.8	88.6	92.8	93.8	95.3	95.7	96.0	96.4	97.0
≥ 500	20.5	49.5	57.8	66.2	78.3	78.8	84.4	88.0	88.7	93.3	94.3	95.7	96.1	96.7	97.1	97.7
≥ 400	20.5	49.5	57.8	66.2	78.3	78.8	84.4	88.0	88.7	93.6	94.8	96.7	97.4	98.0	98.4	99.1
≥ 300	20.5	49.5	57.8	66.2	78.3	78.8	84.4	88.0	88.7	93.6	94.8	96.7	97.4	98.3	98.9	99.7
≥ 200	20.5	49.5	57.8	66.2	78.3	78.8	84.4	88.0	88.7	93.6	94.8	96.7	97.4	98.4	99.1	100.0
≥ 00	20.5	49.5	57.8	66.2	78.3	78.8	84.4	88.0	88.7	93.6	94.8	96.7	97.4	98.4	99.1	100.0
≥ 0	20.5	49.5	57.8	66.2	78.3	78.8	84.4	88.0	88.7	93.6	94.8	96.7	97.4	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 699

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.5	27.2	28.4	29.5	31.0	31.0	32.0	32.5	32.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 20000	16.4	34.1	36.0	37.7	39.7	39.7	41.0	41.9	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 8000	16.6	34.2	36.1	37.8	40.0	40.0	41.3	42.2	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 6000	16.6	34.2	36.1	37.8	40.0	40.0	41.3	42.2	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 4000	16.6	34.2	36.1	37.8	40.0	40.0	41.3	42.2	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 2000	16.6	34.2	36.1	37.8	40.0	40.0	41.3	42.2	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 10000	16.9	34.6	36.5	38.3	40.5	40.5	41.8	42.6	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 9000	17.3	35.5	37.4	39.2	41.5	41.5	42.9	43.8	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 8000	19.1	39.0	41.0	42.8	45.3	45.3	47.0	47.9	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 7000	19.9	42.1	44.3	46.6	49.6	49.6	51.5	52.7	52.8	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 6000	20.2	42.8	45.0	47.3	50.7	50.7	52.7	53.9	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 5000	20.7	44.0	46.1	48.5	52.0	52.0	54.0	55.2	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4500	21.0	45.9	49.0	50.4	53.9	53.9	55.9	57.4	57.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	22.9	48.8	51.5	54.3	58.4	58.4	60.6	62.4	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	24.5	51.5	54.3	57.5	62.0	62.0	64.5	66.7	66.8	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	27.7	57.4	60.4	64.3	69.0	69.0	71.6	74.1	74.2	75.0	75.0	75.0	75.0	75.1	75.1	75.1
≥ 2500	29.4	61.9	65.4	69.4	74.8	74.8	77.4	79.9	80.1	80.8	80.8	80.8	80.8	80.9	80.9	80.9
≥ 2000	30.3	64.2	68.1	73.2	79.0	79.0	81.7	84.3	84.4	85.3	85.3	85.4	85.4	85.6	85.6	85.6
≥ 1800	31.0	65.1	69.1	74.2	80.3	80.3	83.1	85.7	85.9	86.8	86.8	86.9	86.9	87.0	87.0	87.0
≥ 1500	31.4	66.1	70.3	75.7	82.7	82.7	85.9	88.5	88.6	89.7	89.7	89.8	89.8	90.0	90.0	90.0
≥ 1200	31.7	66.7	72.1	77.7	85.0	85.0	88.2	91.0	91.1	92.1	92.1	92.3	92.3	92.4	92.4	92.4
≥ 1000	31.7	66.8	72.2	77.9	85.3	85.3	88.6	91.7	92.0	94.0	94.0	94.2	94.3	94.5	94.5	94.5
≥ 900	31.7	66.8	72.2	77.9	85.3	85.3	88.8	91.8	92.3	94.5	94.5	94.6	94.8	94.9	94.9	94.9
≥ 800	31.9	67.4	72.9	78.6	86.5	86.5	90.4	93.4	93.9	96.1	96.1	96.2	96.4	96.5	96.5	96.5
≥ 700	31.9	67.7	73.7	79.3	87.2	87.2	91.1	94.2	94.6	96.9	96.9	97.1	97.2	97.4	97.4	97.4
≥ 600	31.9	67.7	73.8	80.2	88.1	88.1	92.3	95.3	95.8	98.1	98.1	98.3	98.5	98.7	98.7	98.7
≥ 500	31.9	67.7	73.8	80.2	88.1	88.1	92.6	95.6	96.1	98.7	98.7	98.8	99.3	99.4	99.4	99.4
≥ 400	31.9	67.7	73.8	80.2	88.1	88.1	92.7	95.8	96.2	99.3	99.3	99.4	99.9	100.0	100.0	100.0
≥ 300	31.9	67.7	73.8	80.2	88.1	88.1	92.7	95.8	96.2	99.3	99.3	99.4	99.9	100.0	100.0	100.0
≥ 200	31.9	67.7	73.8	80.2	88.1	88.1	92.7	95.8	96.2	99.3	99.3	99.4	99.9	100.0	100.0	100.0
≥ 100	31.9	67.7	73.8	80.2	88.1	88.1	92.7	95.8	96.2	99.3	99.3	99.4	99.9	100.0	100.0	100.0
≥ 0	31.9	67.7	73.8	80.2	88.1	88.1	92.7	95.8	96.2	99.3	99.3	99.4	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 687

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

34190 ILLESHEIM AAF DL 69-78 MAR
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥½	≥0
NO CEILING	19.3	32.4	33.0	34.4	35.8	35.8	36.1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	24.4	41.5	42.6	45.1	47.7	47.8	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 8000	24.7	41.8	43.4	46.1	48.8	48.9	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 6000	24.7	41.8	43.4	46.1	48.8	48.9	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 4500	24.7	42.1	43.7	46.5	49.1	49.2	49.7	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 4000	24.7	42.1	43.8	46.6	49.2	49.4	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 3500	25.5	43.4	45.1	47.8	50.5	50.6	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 3000	25.9	44.0	45.7	48.5	51.1	51.2	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 2500	27.9	47.4	49.4	52.3	55.4	55.6	56.0	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6
≥ 2000	29.0	49.7	52.0	55.2	58.5	58.6	59.1	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
≥ 1800	29.2	50.8	53.1	56.3	59.6	59.7	60.2	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 1500	30.1	52.6	55.2	58.5	61.7	61.9	62.3	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3
≥ 1200	30.2	53.5	56.3	59.6	62.8	63.0	63.4	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1000	31.8	56.3	59.1	62.3	65.9	66.0	66.5	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1
≥ 900	33.2	58.8	61.6	65.0	69.0	69.1	69.6	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.3
≥ 800	35.8	64.7	67.4	71.9	76.2	76.4	77.0	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7
≥ 700	36.7	67.6	71.1	75.8	80.2	80.4	81.0	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7
≥ 600	37.3	69.6	73.6	79.5	85.0	85.2	86.0	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8
≥ 500	37.7	70.1	74.1	80.2	86.3	86.4	87.2	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0
≥ 400	38.7	71.5	76.1	82.4	88.4	88.6	89.4	91.0	91.2	91.7	91.7	91.7	91.7	91.7	91.7
≥ 300	39.2	72.4	77.0	83.6	89.7	89.8	90.6	92.3	92.4	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	39.2	73.3	78.5	85.2	91.5	91.7	92.9	94.8	94.9	95.8	95.8	95.8	95.8	95.8	95.8
≥ 100	39.2	73.3	78.5	85.2	91.7	91.8	93.1	94.9	95.1	96.0	96.0	96.0	96.3	96.3	96.3
0	39.2	73.3	78.5	85.2	92.4	92.6	93.8	95.7	95.8	96.9	97.1	97.1	97.4	97.4	97.4
	39.2	73.3	79.0	85.8	93.5	93.7	94.9	96.8	96.9	98.0	98.1	98.1	98.5	98.5	98.5
	39.2	73.3	79.6	86.4	94.1	94.3	95.5	97.4	97.5	98.6	98.8	98.8	99.1	99.1	99.1
	39.2	73.3	79.6	86.9	94.6	94.8	96.0	97.8	98.0	99.4	99.5	99.5	99.8	99.8	99.8
	39.2	73.3	79.6	86.9	94.6	94.8	96.1	98.0	98.1	99.5	99.7	99.7	100.0	100.0	100.0
	39.2	73.3	79.6	86.9	94.6	94.8	96.1	98.0	98.1	99.5	99.7	99.7	100.0	100.0	100.0
	39.2	73.3	79.6	86.9	94.6	94.8	96.1	98.0	98.1	99.5	99.7	99.7	100.0	100.0	100.0
	39.2	73.3	79.6	86.9	94.6	94.8	96.1	98.0	98.1	99.5	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 648

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-71 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	25.0	28.1	31.3	31.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000	31.3	34.4	43.8	43.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000	31.3	34.4	43.8	43.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 14000	31.3	34.4	43.8	43.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 12000	31.3	34.4	43.8	43.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	31.3	34.4	43.8	43.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 9000	31.3	34.4	43.8	43.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 8000	31.3	34.4	43.8	43.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 7000	31.3	34.4	43.8	46.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 6000	34.4	37.5	46.9	50.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 5000	34.4	37.5	46.9	50.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 4500	34.4	37.5	46.9	50.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 4000	46.9	50.0	62.5	65.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 3500	50.0	53.1	65.6	71.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3000	53.1	56.3	68.8	78.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	53.1	56.3	68.8	84.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2000	53.1	56.3	71.9	87.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1800	53.1	56.3	71.9	87.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1500	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	56.3	59.4	75.0	90.6	96.9	96.9	96.9	96.9	96.9	96.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 32

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 69-78 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL
HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	11.9	24.1	26.2	28.3	30.5	30.5	31.7	32.3	32.3	32.9	32.9	32.9	33.0	33.1	33.2	33.6
≥ 20000	14.9	30.5	33.4	36.2	38.9	39.1	40.5	41.5	41.7	42.4	42.4	42.5	42.6	42.8	43.0	43.3
≥ 8000	15.0	30.7	33.8	36.6	39.4	39.5	40.9	42.0	42.2	42.8	42.9	43.0	43.0	43.3	43.5	43.9
≥ 6000	15.0	30.7	33.8	36.6	39.4	39.5	40.9	42.0	42.2	42.8	42.9	43.0	43.0	43.3	43.5	43.9
≥ 4500	15.0	30.8	33.8	36.7	39.5	39.6	41.0	42.1	42.3	42.9	43.0	43.0	43.1	43.4	43.6	44.0
≥ 4000	15.0	30.9	34.1	36.9	39.8	39.9	41.3	42.4	42.6	43.2	43.3	43.4	43.5	43.7	43.9	44.3
≥ 3500	15.3	31.5	34.8	37.6	40.5	40.6	42.1	43.3	43.5	44.1	44.2	44.3	44.4	44.7	44.9	45.3
≥ 3000	15.7	32.3	35.6	38.4	41.3	41.5	42.9	44.1	44.3	45.0	45.1	45.2	45.2	45.6	45.8	46.2
≥ 2500	17.6	35.9	39.6	42.6	45.7	45.8	47.3	48.6	48.8	49.5	49.6	49.6	49.7	50.1	50.3	50.8
≥ 2000	18.4	38.2	42.2	45.7	49.3	49.5	51.1	52.5	52.7	53.4	53.6	53.7	53.8	54.1	54.4	54.9
≥ 1800	18.8	39.5	43.5	47.1	50.9	51.0	52.8	54.3	54.5	55.3	55.4	55.6	55.7	56.0	56.3	56.8
≥ 1500	19.4	40.7	44.8	48.6	52.6	52.9	54.7	56.2	56.5	57.3	57.4	57.5	57.6	57.9	58.2	58.7
≥ 1200	19.8	42.2	46.4	50.2	54.5	54.7	56.5	58.2	58.4	59.2	59.3	59.4	59.6	59.9	60.2	60.7
≥ 1000	21.4	44.8	49.2	53.4	58.3	58.5	60.7	62.7	63.0	63.9	64.0	64.3	64.4	64.8	65.1	65.6
≥ 900	22.7	47.2	51.8	56.2	61.4	61.6	63.9	66.0	66.3	67.3	67.5	67.8	67.9	68.3	68.6	69.1
≥ 800	25.0	51.9	56.7	62.1	67.7	67.8	70.3	72.6	72.9	73.9	74.1	74.4	74.6	74.9	75.2	75.8
≥ 700	26.3	54.5	59.8	65.5	71.5	71.7	74.3	76.9	77.2	78.3	78.5	78.8	78.9	79.3	79.6	80.1
≥ 600	27.1	56.4	62.1	68.6	75.5	75.6	78.6	81.3	81.6	83.1	83.3	83.6	83.8	84.2	84.5	85.0
≥ 500	27.5	57.0	62.7	69.4	76.5	76.6	79.8	82.4	82.8	84.3	84.5	84.9	85.0	85.4	85.7	86.2
≥ 450	28.0	58.0	63.9	70.8	78.3	78.5	81.8	84.5	85.0	86.5	86.8	87.1	87.3	87.7	88.0	88.5
≥ 400	28.4	58.9	65.3	72.5	80.5	80.7	84.0	86.8	87.2	88.9	89.2	89.7	89.8	90.2	90.5	91.0
≥ 350	28.5	59.3	65.9	73.3	81.6	81.8	85.3	88.3	88.8	91.0	91.3	91.9	92.2	92.5	92.8	93.4
≥ 300	28.5	59.4	66.0	73.4	81.8	81.9	85.6	88.5	89.1	91.4	91.8	92.5	92.8	93.2	93.5	94.0
≥ 250	28.6	59.7	66.3	73.7	82.8	83.0	87.1	90.1	90.7	93.3	93.8	94.5	95.0	95.4	95.7	96.2
≥ 200	28.6	59.7	66.6	74.1	83.5	83.7	87.8	90.9	91.4	94.1	94.6	95.3	95.9	96.2	96.5	97.1
≥ 150	28.6	59.7	66.8	74.5	83.9	84.1	88.3	91.3	91.9	94.7	95.2	95.9	96.5	96.8	97.1	97.7
≥ 100	28.6	59.7	66.8	74.6	84.0	84.2	88.6	91.6	92.2	95.2	95.7	96.4	97.0	97.5	97.8	98.3
≥ 70	28.6	59.7	66.8	74.6	84.0	84.2	88.7	91.7	92.3	95.5	96.2	97.0	97.7	98.1	98.4	99.0
≥ 50	28.6	59.7	66.8	74.6	84.0	84.2	88.7	91.7	92.3	95.6	96.2	97.0	97.7	98.2	98.6	99.3
≥ 30	28.6	59.7	66.8	74.6	84.0	84.2	88.7	91.7	92.3	95.6	96.2	97.0	97.8	98.4	98.9	99.6
≥ 0	28.6	59.7	66.8	74.6	84.0	84.2	88.7	91.7	92.3	95.6	96.2	97.0	97.8	98.4	99.0	99.9
	28.6	59.7	66.8	74.6	84.0	84.2	88.7	91.7	92.3	95.6	96.2	97.0	97.8	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2653

USAF ETAC FORM AUG 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 59-78 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
NO CEILING	11.6	23.1	27.3	29.6	34.3	34.3	36.1	37.7	37.7	38.4	38.4	38.4	38.8	39.0	39.0	39.0
≥ 20000	14.1	28.0	33.0	35.7	41.2	41.2	43.3	44.9	45.1	45.8	45.8	45.8	46.2	46.8	46.8	46.8
≥ 8000	14.1	28.2	33.2	35.9	41.3	41.3	43.5	45.1	45.3	46.0	46.0	46.0	46.4	46.9	46.9	46.9
≥ 5000	14.1	28.2	33.2	35.9	41.3	41.3	43.5	45.1	45.3	46.0	46.0	46.0	46.4	46.9	46.9	46.9
≥ 4000	14.1	28.2	33.2	35.9	41.3	41.3	43.5	45.1	45.3	46.0	46.0	46.0	46.4	46.9	46.9	46.9
≥ 3000	14.1	28.7	33.8	36.[illegible]	9	41.9	44.0	45.7	45.8	46.6	46.6	46.6	46.9	47.5	47.5	47.5
≥ 2500	14.3	29.2	34.7	37.		43.0	45.1	46.8	46.9	47.7	47.7	47.7	48.0	48.6	48.6	48.6
≥ 2000	14.8	30.9	36.3	39.4	.5	45.5	47.8	49.5	49.6	50.4	50.4	50.4	50.7	51.3	51.3	51.3
≥ 1500	15.9	32.3	38.3	41.9	[illegible].4	48.4	50.7	52.3	52.7	53.6	53.8	53.8	54.3	54.9	54.9	54.9
≥ 1000	16.2	33.8	39.9	43.7	50.7	50.7	53.2	55.1	55.4	56.3	56.5	56.5	57.0	57.6	57.8	57.8
≥ 900	16.8	35.2	41.3	45.5	53.2	53.2	56.0	57.9	58.5	59.4	59.7	59.7	60.5	61.0	61.2	61.2
≥ 800	17.5	37.2	43.7	48.0	56.3	56.3	59.0	61.0	61.6	62.5	62.8	62.8	63.5	64.1	64.3	64.4
≥ 700	18.2	38.3	44.9	49.3	58.1	58.1	60.8	62.8	63.4	64.4	65.0	65.0	65.7	66.2	66.4	66.6
≥ 600	20.8	42.4	49.1	53.4	62.5	62.5	65.5	67.5	68.1	69.3	70.0	70.0	70.8	71.3	71.5	71.7
≥ 500	21.8	45.7	52.3	57.2	66.2	66.2	69.7	71.7	72.2	73.5	74.2	74.2	74.9	75.5	75.6	75.8
≥ 400	23.1	48.0	54.7	59.7	69.0	69.0	72.7	74.7	75.3	76.5	77.3	77.3	78.0	78.5	78.7	78.9
≥ 300	24.0	49.8	57.0	62.3	71.7	71.7	75.5	77.4	78.0	79.2	80.0	80.0	80.7	81.2	81.4	81.6
≥ 200	25.1	51.6	59.2	65.3	75.1	75.1	79.6	82.1	82.7	83.9	84.7	84.7	85.4	85.9	86.1	86.3
≥ 150	25.1	51.6	59.4	65.5	75.3	75.3	80.0	82.5	83.0	84.3	85.0	85.0	85.7	86.3	86.5	86.6
≥ 100	25.5	52.2	60.3	66.4	77.1	77.1	81.9	84.5	85.0	86.6	87.4	87.4	88.1	88.6	88.8	89.0
≥ 200	25.6	52.5	60.6	66.8	77.6	77.6	83.0	85.6	86.1	87.9	88.6	88.6	89.5	90.1	90.3	90.4
≥ 1000	25.8	53.1	61.4	68.1	78.9	78.9	85.7	88.6	89.4	91.2	91.9	91.9	92.8	93.3	93.5	93.7
≥ 900	25.8	53.1	61.4	68.1	79.1	79.1	86.3	89.2	89.9	91.7	92.4	92.4	93.3	93.9	94.0	94.2
≥ 800	26.2	53.4	61.7	69.0	80.0	80.0	87.2	90.1	90.8	93.0	94.0	94.0	94.9	95.7	95.8	96.0
≥ 700	26.2	53.4	61.7	69.0	80.0	80.0	87.4	90.3	91.0	93.3	94.4	94.4	95.3	96.0	96.2	96.4
≥ 600	26.2	53.4	61.7	69.0	80.1	80.1	87.7	90.6	91.3	93.7	94.9	95.1	96.0	97.1	97.5	97.7
≥ 500	26.2	53.4	61.7	69.0	80.1	80.1	87.7	90.8	91.5	93.9	95.3	95.5	96.4	97.5	98.0	98.2
≥ 400	26.2	53.4	61.7	69.0	80.1	80.1	87.7	90.8	91.5	94.2	95.8	96.0	96.9	98.0	98.6	98.7
≥ 300	26.2	53.4	61.7	69.0	80.1	80.1	87.7	90.8	91.5	94.2	95.8	96.0	96.9	98.0	98.6	98.7
≥ 200	26.2	53.4	61.7	69.0	80.1	80.1	87.7	90.8	91.5	94.2	95.8	96.0	96.9	98.0	98.6	99.1
≥ 100	26.2	53.4	61.7	69.0	80.1	80.1	87.7	90.8	91.5	94.2	95.8	96.0	96.9	98.0	98.6	99.8
≥ 0	26.2	53.4	61.7	69.0	80.1	80.1	87.7	90.8	91.5	94.2	95.8	96.0	96.9	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 554

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

34190 ILLESHEIM AAF DL 69-78 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	2	≥1½	≥1	≥¾	≥½	≥¼	<¼	≥0	
NO CEILING	14.5	26.8	28.8	31.8	35.1	35.1	36.2	36.5	36.5	36.6	36.8	36.8	36.8	36.9	36.9	36.9
≥ 20000	17.0	32.4	35.3	38.7	42.9	42.9	43.9	44.2	44.2	44.4	44.5	44.5	44.5	44.7	44.7	44.7
≥ 8000	17.0	32.4	35.3	38.7	42.9	42.9	43.9	44.2	44.2	44.4	44.5	44.5	44.5	44.7	44.7	44.7
≥ 6000	17.0	32.4	35.3	38.7	42.9	42.9	43.9	44.2	44.2	44.4	44.5	44.5	44.5	44.7	44.7	44.7
≥ 4500	17.0	32.4	35.3	38.7	42.9	42.9	43.9	44.2	44.2	44.4	44.5	44.5	44.5	44.7	44.7	44.7
≥ 3000	17.0	32.6	35.4	38.9	43.0	43.0	44.1	44.4	44.4	44.5	44.7	44.7	44.7	44.8	44.8	44.8
≥ 2500	17.3	33.3	36.2	39.6	43.8	43.8	44.8	45.1	45.1	45.3	45.4	45.4	45.4	45.6	45.6	45.6
≥ 2000	17.3	34.7	37.8	41.3	45.9	45.9	46.9	47.2	47.2	47.4	47.5	47.5	47.5	47.7	47.7	47.7
≥ 1800	19.1	37.8	41.6	45.0	49.9	49.9	51.1	51.4	51.4	51.6	51.7	51.7	51.7	51.9	51.9	51.9
≥ 1700	20.5	40.1	43.8	47.4	52.6	52.6	54.1	54.4	54.4	54.6	54.7	54.7	54.9	55.0	55.0	55.0
≥ 1600	20.8	41.6	45.3	48.9	54.3	54.3	56.1	56.4	56.5	56.7	56.8	56.8	57.0	57.1	57.1	57.1
≥ 1500	21.8	43.0	46.8	50.4	55.8	55.8	57.5	57.8	58.0	58.1	58.3	58.3	58.4	58.6	58.6	58.6
≥ 1400	22.6	44.4	48.4	52.2	57.5	57.5	59.3	59.6	59.8	59.9	60.1	60.1	60.2	60.4	60.4	60.4
≥ 1300	24.8	47.4	51.6	55.3	60.8	60.8	62.8	63.1	63.2	63.4	63.5	63.6	63.7	63.8	63.8	63.8
≥ 1200	26.6	50.2	54.7	58.9	64.6	64.6	66.5	66.8	67.0	67.1	67.3	67.3	67.4	67.6	67.6	67.6
≥ 1100	31.1	58.6	63.7	68.0	74.0	74.0	76.1	76.4	76.5	76.7	76.8	76.8	77.0	77.1	77.1	77.1
≥ 1000	32.6	60.4	66.1	70.6	76.8	76.8	79.1	79.4	79.5	79.7	79.8	79.8	80.0	80.1	80.1	80.1
≥ 900	34.4	63.5	69.7	74.4	81.0	81.0	83.6	83.9	84.0	84.3	84.6	84.6	84.8	84.9	84.9	84.9
≥ 800	34.4	63.7	69.8	74.6	81.2	81.2	83.7	84.0	84.2	84.5	84.8	84.8	84.9	85.1	85.1	85.1
≥ 700	36.2	67.1	73.4	78.5	85.5	85.5	88.3	88.9	89.1	89.4	89.7	89.7	89.8	90.0	90.0	90.0
≥ 600	37.7	69.1	75.6	81.2	88.5	88.5	91.3	91.9	92.1	92.4	92.7	92.7	92.8	93.0	93.0	93.0
≥ 500	37.8	69.4	76.1	81.8	90.3	90.3	93.4	94.3	94.5	95.1	95.4	95.4	95.5	95.7	95.7	95.7
≥ 400	37.8	69.4	76.1	81.8	90.4	90.4	93.7	94.9	95.2	95.8	96.1	96.1	96.3	96.4	96.4	96.4
≥ 300	38.1	70.0	77.3	83.1	91.8	91.8	95.2	96.6	96.9	97.6	97.9	97.9	98.1	98.2	98.4	98.4
≥ 200	38.3	70.1	77.4	83.3	92.1	92.1	95.5	96.9	97.2	97.9	98.2	98.2	98.4	98.5	98.7	98.7
≥ 100	38.3	70.1	77.4	83.3	92.1	92.1	95.7	97.0	97.3	98.1	98.7	98.7	99.0	99.1	99.3	99.3
≥ 0	38.3	70.1	77.4	83.3	92.1	92.1	95.8	97.2	97.5	98.2	98.8	98.8	99.1	99.3	99.4	99.4
	38.3	70.1	77.4	83.3	92.1	92.1	95.8	97.3	97.6	98.4	99.0	99.0	99.3	99.4	99.6	99.6
	38.3	70.1	77.4	83.3	92.1	92.1	95.8	97.3	97.6	98.4	99.0	99.0	99.3	99.4	99.6	99.7
	38.3	70.1	77.4	83.3	92.1	92.1	95.8	97.3	97.6	98.4	99.0	99.0	99.3	99.6	99.7	99.9
	38.3	70.1	77.4	83.3	92.1	92.1	95.8	97.3	97.6	98.4	99.0	99.0	99.3	99.6	99.7	100.0
	38.3	70.1	77.4	83.3	92.1	92.1	95.8	97.3	97.6	98.4	99.0	99.0	99.3	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 667

USA 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

34190 ILLESHEIM AAF DL 69-76 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	18.7	30.3	30.7	31.5	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 20000	22.3	38.1	38.6	39.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 15000	22.3	38.3	38.7	39.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	22.3	38.3	38.7	39.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000	22.3	38.3	38.7	39.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 8000	22.3	38.6	39.0	39.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 7000	23.0	39.6	40.1	41.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 6000	23.0	40.4	41.0	41.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 5000	24.5	43.8	45.0	46.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 4500	25.8	45.8	47.0	48.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4000	25.9	46.4	47.7	48.9	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 3500	27.0	48.0	49.4	50.8	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 3000	28.0	49.4	51.2	52.6	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 2500	29.5	53.8	55.6	57.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 2000	31.5	57.2	59.0	61.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 1800	37.3	67.8	70.6	73.3	75.6	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 1500	42.0	73.9	77.4	80.3	82.7	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	45.5	80.1	84.0	86.9	89.3	89.3	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1000	45.8	80.4	84.5	87.3	89.8	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 900	47.3	82.8	86.9	90.2	92.8	92.8	93.4	93.5	93.5	93.5	93.5	93.7	93.7	93.7	93.7
≥ 800	48.0	84.3	88.9	92.5	95.3	95.3	95.9	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
≥ 700	48.3	84.9	89.6	93.5	96.4	96.4	97.1	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 600	48.3	85.1	89.9	93.8	96.7	96.7	97.4	97.7	97.7	97.7	97.7	97.9	97.9	98.0	98.2
≥ 500	48.3	85.1	90.1	94.0	97.0	97.0	97.7	98.0	98.0	98.0	98.0	98.2	98.2	98.3	98.5
≥ 450	48.6	85.4	90.4	94.3	97.3	97.3	98.0	98.3	98.3	98.5	98.5	98.6	98.6	98.8	98.9
≥ 400	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.1	99.2	99.4
≥ 350	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.1	99.2	99.4
≥ 300	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.1	99.2	99.4
≥ 250	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5
≥ 200	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5
≥ 150	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5
≥ 100	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5
≥ 0	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5

≥ 150	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5	100.0
≥ 100	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5	100.0
≥ 0	48.8	85.5	90.5	94.4	97.4	97.4	98.2	98.8	98.8	98.9	98.9	99.1	99.2	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 664

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	17.1	32.2	32.5	33.3	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 20000	23.5	44.0	44.3	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 18000	23.5	44.0	44.3	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000	23.5	44.0	44.3	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	23.5	44.0	44.3	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 12000	23.5	44.0	44.3	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 10000	24.5	45.2	45.5	46.6	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 9000	25.3	46.6	46.9	48.0	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 8000	28.1	52.0	52.4	53.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 7000	30.1	55.3	55.9	57.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 6000	31.4	57.1	57.8	59.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 5000	31.9	58.1	58.9	60.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500	32.5	59.5	60.6	62.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4000	34.2	63.3	64.5	66.4	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	35.9	67.8	69.2	71.1	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 3000	41.8	76.3	77.9	79.9	81.9	81.9	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500	44.6	80.1	82.3	84.5	86.7	86.7	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	47.1	83.7	85.9	88.5	90.9	90.9	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800	47.1	83.8	86.0	88.9	91.2	91.2	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	48.5	86.3	89.0	92.5	94.8	94.8	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	49.1	87.4	90.3	93.9	96.9	96.9	97.2	97.2	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.6
≥ 1000	49.5	87.8	90.6	94.2	97.2	97.2	97.5	97.6	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3
≥ 900	49.5	87.8	90.6	94.2	97.2	97.2	97.5	97.6	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3
≥ 800	49.5	87.8	90.6	94.2	97.2	97.2	97.5	97.6	97.8	98.1	98.1	98.1	98.3	98.3	98.3	98.3
≥ 700	49.5	87.9	90.9	94.5	97.5	97.5	97.8	98.0	98.1	98.4	98.4	98.4	98.6	98.6	98.6	98.6
≥ 600	49.5	87.9	90.9	94.7	97.6	97.6	98.1	98.6	98.7	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 500	49.5	87.9	90.9	94.8	97.8	97.8	98.2	98.7	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 400	49.5	87.9	90.9	94.8	97.8	97.8	98.3	98.7	98.9	99.2	99.2	99.2	99.4	99.7	99.8	99.8
≥ 300	49.5	87.9	90.9	94.8	98.0	98.0	98.4	98.9	99.1	99.4	99.4	99.4	99.5	99.8	100.0	100.0
≥ 200	49.5	87.9	90.9	94.8	98.0	98.0	98.4	98.9	99.1	99.4	99.4	99.4	99.5	99.8	100.0	100.0
≥ 100	49.5	87.9	90.9	94.8	98.0	98.0	98.4	98.9	99.1	99.4	99.4	99.4	99.5	99.8	100.0	100.0
0	49.5	87.9	90.9	94.8	98.0	98.0	98.4	98.9	99.1	99.4	99.4	99.4	99.5	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	3.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
≥ 20000	23.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 18000	23.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 16000	23.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 14000	23.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 12000	23.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 10000	23.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 9000	23.3	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 8000	26.7	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
≥ 7000	30.0	33.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 6000	33.3	36.7	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	40.0
≥ 5000	36.7	40.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4500	36.7	40.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4000	50.0	53.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3500	63.3	66.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	76.7	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	80.0	90.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000	83.3	93.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	83.3	93.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 00	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.7	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 30

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	15.5	28.0	29.6	31.3	33.6	33.6	34.2	34.7	34.7	34.9	34.9	34.9	35.0	35.1	35.1	35.1
≥ 20000	19.5	35.7	37.8	39.8	42.5	42.5	43.2	43.7	43.7	43.9	44.0	44.0	44.0	44.2	44.2	44.2
≥ 18000	19.5	35.8	37.8	39.8	42.6	42.6	43.3	43.8	43.8	44.0	44.0	44.0	44.1	44.3	44.3	44.3
≥ 16000	19.5	35.8	37.8	39.8	42.6	42.6	43.3	43.8	43.8	44.0	44.0	44.0	44.1	44.3	44.3	44.3
≥ 14000	19.5	35.8	37.8	39.8	42.6	42.6	43.3	43.8	43.8	44.0	44.0	44.0	44.1	44.3	44.3	44.3
≥ 12000	19.5	36.0	38.1	40.1	42.8	42.8	43.6	44.0	44.0	44.2	44.3	44.3	44.3	44.5	44.5	44.5
≥ 10000	20.0	36.9	39.1	41.1	43.8	43.8	44.6	45.0	45.0	45.2	45.3	45.3	45.4	45.5	45.5	45.5
≥ 9000	20.3	38.2	40.4	42.5	45.5	45.5	46.3	46.7	46.8	47.0	47.0	47.0	47.1	47.2	47.2	47.2
≥ 8000	22.2	41.6	44.3	46.6	50.0	50.0	50.8	51.2	51.3	51.5	51.6	51.6	51.7	51.9	51.9	51.9
≥ 7000	23.4	43.9	46.7	49.2	52.8	52.8	53.7	54.2	54.3	54.5	54.6	54.6	54.8	54.9	55.0	55.0
≥ 6000	24.0	45.2	48.1	50.7	54.6	54.6	55.6	56.1	56.3	56.5	56.6	56.6	56.8	57.0	57.0	57.0
≥ 5000	24.9	46.8	49.7	52.4	56.4	56.4	57.5	58.0	58.2	58.4	58.5	58.5	58.7	58.9	58.9	58.9
≥ 4500	25.7	48.1	51.4	54.1	58.2	58.2	59.3	59.8	60.0	60.2	60.4	60.4	60.6	60.7	60.8	60.8
≥ 4000	27.8	52.0	55.3	58.2	62.5	62.5	63.7	64.2	64.4	64.7	64.9	64.9	65.1	65.2	65.3	65.3
≥ 3500	29.6	55.6	59.1	62.3	66.7	66.7	68.0	68.5	68.7	69.0	69.2	69.2	69.4	69.5	69.6	69.6
≥ 3000	34.2	63.4	67.4	70.8	75.5	75.5	76.9	77.5	77.7	78.0	78.2	78.2	78.4	78.5	78.6	78.6
≥ 2500	36.7	66.8	71.4	75.0	79.8	79.8	81.3	81.9	82.1	82.4	82.6	82.6	82.8	83.0	83.0	83.1
≥ 2000	39.0	70.6	75.5	79.5	84.5	84.5	86.3	87.0	87.2	87.6	87.8	87.8	88.0	88.1	88.2	88.2
≥ 1800	39.1	70.8	75.7	79.7	84.8	84.8	86.6	87.3	87.5	87.9	88.1	88.1	88.3	88.5	88.5	88.5
≥ 1500	40.4	73.1	78.2	82.6	88.0	88.0	90.1	90.8	91.0	91.5	91.7	91.7	91.9	92.1	92.1	92.2
≥ 1200	41.2	74.3	79.7	84.3	90.1	90.1	92.3	93.0	93.2	93.7	93.9	94.0	94.2	94.4	94.4	94.5
≥ 1000	41.4	74.8	80.3	85.1	91.2	91.2	93.8	94.7	95.0	95.6	95.9	95.9	96.2	96.3	96.4	96.4
≥ 900	41.4	74.8	80.4	85.2	91.4	91.4	94.1	95.1	95.4	96.0	96.3	96.3	96.6	96.8	96.9	96.9
≥ 800	41.6	75.0	80.8	85.8	92.0	92.0	94.7	95.8	96.1	96.9	97.2	97.2	97.5	97.7	97.8	97.9
≥ 700	41.7	75.2	81.0	86.0	92.2	92.2	95.0	96.1	96.4	97.2	97.5	97.6	97.8	98.1	98.2	98.2
≥ 600	41.7	75.2	81.0	86.1	92.3	92.3	95.2	96.5	96.8	97.6	98.0	98.1	98.4	98.7	98.9	98.9
≥ 500	41.7	75.2	81.0	86.1	92.4	92.4	95.3	96.6	96.9	97.7	98.2	98.3	98.6	98.9	99.1	99.1
≥ 400	41.7	75.2	81.0	86.1	92.4	92.4	95.3	96.6	96.9	97.8	98.4	98.4	98.8	99.2	99.4	99.5
≥ 300	41.7	75.2	81.0	86.1	92.4	92.4	95.3	96.7	97.0	97.9	98.4	98.5	98.8	99.2	99.5	99.6
≥ 200	41.7	75.2	81.0	86.1	92.4	92.4	95.3	96.7	97.0	97.9	98.4	98.5	98.8	99.3	99.5	99.8
≥ 100	41.7	75.2	81.0	86.1	92.4	92.4	95.3	96.7	97.0	97.9	98.4	98.5	98.8	99.3	99.5	100.0
0	41.7	75.2	81.0	86.1	92.4	92.4	95.3	96.7	97.0	97.9	98.4	98.5	98.8	99.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2555

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥5/16	≥¼	≥0
NO CEILING	14.5	27.9	29.7	30.8	32.7	33.2	34.9	35.2	35.8	36.0	36.1	36.3	36.7	36.9	37.1	37.2
≥ 20000	15.2	32.5	34.5	35.8	37.8	38.5	40.4	40.7	41.3	41.7	41.8	42.0	42.6	42.9	43.1	43.3
≥ 18000	15.2	32.5	34.5	35.8	37.8	38.5	40.4	40.7	41.3	41.7	41.8	42.0	42.6	42.9	43.1	43.3
≥ 16000	15.2	32.5	34.5	35.8	37.8	38.5	40.4	40.7	41.3	41.7	41.8	42.0	42.6	42.9	43.1	43.3
≥ 14000	15.6	33.0	35.0	36.3	38.3	39.1	40.9	41.3	41.8	42.2	42.4	42.6	43.1	43.5	43.7	43.9
≥ 12000	15.8	33.2	35.2	36.5	38.5	39.3	41.1	41.5	42.0	42.4	42.6	42.8	43.3	43.7	43.9	44.0
≥ 10000	16.5	34.7	37.2	38.5	40.7	41.5	43.3	43.7	44.2	44.6	44.8	45.0	45.7	46.2	46.4	46.6
≥ 9000	17.2	37.8	40.6	42.0	44.8	45.5	47.3	47.7	48.3	48.6	48.8	49.0	49.7	50.3	50.5	50.6
≥ 8000	19.3	43.1	46.6	48.4	51.6	52.3	54.5	54.9	55.4	56.5	56.7	56.9	57.6	58.2	58.3	58.5
≥ 7000	20.4	45.0	48.8	51.0	54.1	54.9	57.1	57.4	58.0	59.1	59.3	59.4	60.2	60.7	60.9	61.1
≥ 6500	20.7	46.4	50.6	53.4	57.4	58.2	60.7	61.1	61.7	62.8	63.1	63.3	64.0	64.6	64.8	65.0
≥ 5000	20.7	46.8	51.4	54.5	58.5	59.3	61.8	62.2	62.8	63.9	64.2	64.4	65.1	65.7	65.9	66.1
≥ 4500	20.7	46.8	52.1	55.2	59.4	60.2	62.8	63.1	63.7	64.8	65.1	65.3	66.1	66.6	66.8	67.0
≥ 4000	21.7	49.7	55.4	59.1	64.4	65.3	68.8	69.5	70.1	71.2	71.6	71.7	72.5	73.2	73.4	73.6
≥ 3500	22.4	51.4	57.2	61.7	67.3	68.3	71.7	72.5	73.0	74.1	74.5	74.7	75.4	76.1	76.3	76.5
≥ 3000	23.3	52.5	59.1	63.5	69.5	70.5	73.9	75.2	75.8	76.9	77.2	77.4	78.2	78.9	79.1	79.3
≥ 2500	24.6	53.9	60.6	65.9	72.1	73.0	76.9	78.2	78.7	79.8	80.2	80.4	81.1	81.8	82.0	82.2
≥ 2000	25.9	57.2	64.0	69.5	76.0	76.9	80.7	82.0	82.6	83.7	84.0	84.2	85.0	85.7	85.9	86.1
≥ 1800	26.2	57.8	64.6	70.1	76.5	77.4	81.3	82.6	83.1	84.2	84.6	84.8	85.5	86.2	86.4	86.6
≥ 1500	26.6	58.9	65.7	71.6	78.7	79.6	83.7	85.1	85.7	86.8	87.2	87.3	88.1	88.8	89.0	89.2
≥ 1200	26.6	59.4	66.2	72.5	79.8	80.7	85.1	86.8	87.9	89.4	89.7	89.9	90.6	91.4	91.6	91.7
≥ 1000	26.6	59.6	66.6	72.8	80.2	81.1	86.4	88.3	89.5	91.0	91.4	91.6	92.3	93.0	93.2	93.4
≥ 900	26.6	59.8	67.2	73.8	81.8	82.8	88.3	90.1	91.4	92.8	93.2	93.4	94.3	95.0	95.2	95.4
≥ 800	26.6	60.0	67.7	74.5	82.8	83.7	89.4	91.2	92.7	94.1	94.5	94.7	95.6	96.3	96.5	96.7
≥ 700	26.8	60.2	67.9	74.7	83.1	84.2	89.9	91.7	93.2	94.7	95.0	95.2	96.3	97.1	97.2	97.4
≥ 600	26.8	60.2	67.9	74.7	83.1	84.2	89.9	91.7	93.2	94.7	95.0	95.2	96.3	97.1	97.2	97.4
≥ 500	26.8	60.2	67.9	74.7	83.1	84.2	89.9	91.9	93.6	95.2	95.6	95.8	96.9	97.6	97.8	98.0
≥ 400	26.8	60.2	67.9	74.7	83.1	84.2	89.9	92.1	93.9	95.6	96.1	96.3	97.8	98.5	98.9	99.1
≥ 300	26.8	60.2	67.9	74.7	83.1	84.2	89.9	92.1	93.9	95.6	96.1	96.5	98.0	98.9	99.3	99.4
≥ 200	26.8	60.2	67.9	74.7	83.1	84.2	89.9	92.1	93.9	95.6	96.1	96.5	98.0	98.9	99.3	99.4
≥ 100	26.8	60.2	67.9	74.7	83.1	84.2	89.9	92.1	93.9	95.6	96.1	96.5	98.0	98.9	99.3	100.0
≥ 0	26.8	60.2	67.9	74.7	83.1	84.2	89.9	92.1	93.9	95.6	96.1	96.5	98.0	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 545

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF GL (STATION NAME) 69-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	21.9	33.9	34.8	35.7	37.2	37.2	37.4	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	25.6	41.8	43.0	44.3	46.1	46.1	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	25.7	42.1	43.3	44.6	46.4	46.4	47.0	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000	25.7	42.1	43.3	44.6	46.4	46.4	47.0	47.2	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4
≥ 14000	25.9	42.2	43.4	44.8	46.6	46.6	47.2	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	26.2	42.5	43.7	45.1	46.9	46.9	47.5	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8
≥ 10000	27.4	43.9	45.4	46.7	48.7	48.7	49.3	49.5	49.5	49.5	49.8	49.8	49.8	49.8	49.8	49.8
≥ 9000	27.5	44.8	46.3	48.0	49.9	49.9	50.5	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	29.2	49.0	50.5	52.2	54.6	54.6	55.4	55.5	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8
≥ 7000	30.0	50.8	52.3	54.0	56.7	56.7	57.5	57.6	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9
≥ 6000	30.7	52.5	54.2	56.3	59.6	59.6	60.5	60.7	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	30.9	53.1	54.9	57.0	60.4	60.4	61.3	61.4	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4500	31.5	53.9	55.7	57.8	61.1	61.1	62.0	62.2	62.2	62.2	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4000	32.5	56.0	58.9	61.1	64.9	64.9	66.0	66.1	66.1	66.3	66.6	66.6	66.6	66.6	66.6	66.6
≥ 3500	34.2	58.7	61.6	64.9	69.1	69.1	70.2	70.3	70.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	36.5	63.8	66.7	70.0	74.9	74.9	75.9	76.4	76.6	76.9	77.2	77.2	77.2	77.2	77.2	77.2
≥ 2500	39.0	67.6	70.5	74.4	79.7	79.9	80.9	81.4	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000	41.3	72.3	75.3	79.7	85.2	85.3	86.8	87.3	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	41.6	73.4	76.4	80.8	86.2	86.4	87.9	88.4	88.5	88.8	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500	42.2	74.4	77.6	82.0	87.7	87.9	89.6	90.0	90.2	90.5	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	43.4	76.4	80.0	84.4	90.9	91.1	93.3	94.1	94.3	94.6	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	43.6	76.9	80.6	85.2	92.1	92.3	94.7	95.5	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	43.6	76.9	80.6	85.6	92.6	92.7	95.2	95.9	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	43.6	76.9	80.6	85.8	93.5	93.6	96.1	96.8	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	43.6	76.9	80.6	85.8	93.8	94.1	96.7	97.4	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	43.6	76.9	80.6	85.8	93.8	94.1	97.0	97.7	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	43.6	76.9	80.6	85.8	94.3	94.6	97.4	98.5	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	43.6	76.9	80.6	85.8	94.3	94.6	97.4	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	43.7	77.0	80.8	85.9	94.4	94.7	97.6	98.9	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	43.7	77.0	80.8	85.9	94.4	94.7	97.6	98.9	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	43.7	77.0	80.8	85.9	94.4	94.7	97.6	98.9	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
0	43.9	77.2	80.9	86.1	94.6	94.9	97.7	99.1	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 661

USAF ETAC FORM FOR 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 09-78 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥0
NO CEILING	23.6	34.4	35.0	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 25000	29.5	44.5	45.1	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	29.7	44.6	45.3	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 16000	29.7	44.6	45.3	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000	29.7	44.9	45.7	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	29.7	44.9	45.7	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 10000	30.2	45.7	46.5	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 9000	30.9	47.0	47.7	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 8000	33.0	51.3	52.1	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 7000	34.2	54.9	55.8	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	34.7	57.7	58.6	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5000	35.9	59.3	60.2	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4500	36.2	60.0	61.0	62.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	37.9	64.7	65.9	67.3	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3500	40.0	69.2	70.5	72.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3000	44.5	76.2	77.6	79.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500	46.5	79.3	80.9	83.0	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2000	47.9	82.7	85.1	87.2	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1800	48.2	83.5	85.8	88.2	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	48.8	84.8	87.4	89.9	93.5	93.5	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	49.9	85.8	88.6	91.1	94.9	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	50.1	86.2	89.7	92.2	96.3	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	50.2	86.3	89.9	92.4	96.7	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	50.4	86.8	90.4	92.8	97.4	97.5	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	50.4	86.8	90.4	92.8	97.7	97.8	98.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	50.4	86.8	90.4	92.8	97.8	98.0	98.8	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	50.4	86.8	90.4	92.8	97.8	98.0	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	50.4	86.8	90.4	92.8	97.8	98.0	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	50.4	86.8	90.4	92.8	97.8	98.0	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	50.4	86.8	90.4	92.8	97.8	98.0	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	50.4	86.8	90.4	92.8	97.8	98.0	98.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	50.5	86.9	90.5	93.0	98.0	98.1	98.9	99.4	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 643

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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥¼	≥0
NO CEILING	21.9	34.7	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
≥ 20000	29.1	48.9	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	29.1	49.1	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 6000	29.1	49.1	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 4000	29.1	49.1	49.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 2000	29.1	49.1	49.7	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 9000	29.6	49.7	50.8	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	30.5	51.3	52.3	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 8000	34.2	57.0	58.5	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 7000	36.9	62.8	64.5	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	38.4	65.7	67.3	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	39.7	68.0	69.7	70.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	40.2	68.7	70.4	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	42.2	72.4	74.0	74.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	44.2	76.7	78.4	79.2	80.1	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3000	48.2	82.1	83.8	84.6	85.4	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 2500	50.4	86.1	88.3	89.3	90.1	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	51.4	87.9	90.6	91.6	92.5	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1800	51.6	88.3	91.0	92.0	92.8	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	52.3	89.4	92.8	93.8	95.0	95.0	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	52.4	89.8	93.1	94.5	96.0	96.0	96.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	53.4	91.0	94.5	95.8	97.5	97.5	98.2	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	53.6	91.1	94.6	96.0	97.7	97.7	98.3	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	53.6	91.3	94.8	96.1	97.8	97.8	98.5	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	53.6	91.3	94.8	96.1	97.8	97.8	98.5	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	53.8	91.5	95.0	96.3	98.0	98.0	98.7	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	53.8	91.5	95.0	96.3	98.0	98.0	98.7	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	53.8	91.5	95.0	96.3	98.0	98.0	98.7	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	53.8	91.5	95.0	96.3	98.0	98.0	98.7	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	53.8	91.5	95.0	96.3	98.0	98.0	98.7	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	53.8	91.5	95.0	96.3	98.0	98.0	98.7	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	53.8	91.5	95.0	96.3	98.0	98.0	98.7	99.3	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 597

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 70 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	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	30.8	30.8
≥ 20000	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	34.6	34.6	34.6
≥ 18000	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	34.6	34.6	34.6
≥ 16000	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	34.6	34.6	34.6
≥ 14000	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	34.6	34.6	34.6
≥ 12000	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	34.6	34.6	34.6
≥ 10000	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	34.6	34.6	34.6
≥ 9000	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	34.6	34.6	34.6
≥ 8000	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	46.2
≥ 7000	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
≥ 6000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000	69.2	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
≥ 3500	73.1	75.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	76.9	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	80.8	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	80.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	80.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	80.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	80.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	84.6	96.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 26

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	20.8	32.8	33.8	34.5	35.4	35.5	35.9	36.0	36.1	36.1	36.2	36.2	36.3	36.4	36.4	36.4
≥ 20000	25.3	42.1	43.1	44.0	45.1	45.2	45.8	45.9	46.0	46.1	46.2	46.2	46.3	46.4	46.5	46.5
≥ 18000	25.4	42.2	43.3	44.1	45.2	45.4	45.9	46.1	46.2	46.3	46.3	46.4	46.5	46.6	46.6	46.7
≥ 6000	25.4	42.2	43.3	44.1	45.2	45.4	45.9	46.1	46.2	46.3	46.3	46.4	46.5	46.6	46.6	46.7
≥ 14000	25.5	42.5	43.6	44.4	45.5	45.7	46.3	46.4	46.5	46.6	46.7	46.7	46.8	46.9	46.9	47.0
≥ 12000	25.6	42.6	43.7	44.6	45.7	45.8	46.4	46.5	46.6	46.7	46.8	46.8	46.9	47.0	47.1	47.1
≥ 10000	26.4	43.7	45.1	45.9	47.2	47.3	47.9	48.0	48.1	48.2	48.3	48.4	48.5	48.6	48.7	48.7
≥ 9000	27.0	45.3	46.7	47.7	49.1	49.2	49.8	49.9	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.6
≥ 8000	29.4	50.2	52.0	53.1	54.6	54.8	55.5	55.6	55.7	56.0	56.1	56.1	56.3	56.4	56.4	56.3
≥ 7000	30.9	53.5	55.4	56.8	58.4	58.6	59.3	59.4	59.5	59.8	59.9	59.9	60.1	60.2	60.2	60.3
≥ 6000	31.7	55.8	57.8	59.4	61.5	61.7	62.5	62.6	62.7	62.9	63.1	63.2	63.3	63.4	63.5	63.5
≥ 5000	32.4	57.0	59.1	60.8	62.9	63.1	63.9	64.0	64.2	64.4	64.6	64.6	64.8	64.9	64.9	65.0
≥ 4500	32.8	57.6	59.9	61.6	63.8	63.9	64.7	64.8	65.0	65.2	65.4	65.4	65.6	65.7	65.7	65.8
≥ 4000	34.3	61.0	63.3	65.7	68.2	68.4	69.5	69.7	69.8	70.1	70.2	70.3	70.4	70.5	70.6	70.7
≥ 3500	36.0	64.4	67.2	69.7	72.6	72.8	73.9	74.1	74.2	74.5	74.7	74.7	74.9	75.0	75.1	75.1
≥ 3000	38.9	69.1	72.1	74.7	78.1	78.3	79.5	79.9	80.0	80.4	80.5	80.6	80.7	80.9	80.9	81.0
≥ 2500	41.0	72.3	75.4	78.5	82.1	82.3	83.6	84.0	84.2	84.5	84.7	84.7	84.9	85.1	85.1	85.1
≥ 2000	42.5	75.6	79.2	82.4	86.3	86.6	88.0	88.4	88.6	88.9	89.1	89.1	89.3	89.5	89.5	89.5
≥ 1800	42.8	76.3	79.9	83.1	87.1	87.3	88.7	89.2	89.3	89.7	89.8	89.9	90.0	90.2	90.2	90.3
≥ 1500	43.4	77.5	81.3	84.7	89.1	89.3	90.8	91.3	91.4	91.8	91.9	92.0	92.1	92.3	92.3	92.4
≥ 1200	44.0	78.5	82.5	86.0	90.7	91.0	92.7	93.4	93.7	94.1	94.3	94.3	94.5	94.6	94.7	94.7
≥ 1000	44.4	79.1	83.4	87.0	92.0	92.2	94.3	95.1	95.4	95.8	96.0	96.0	96.2	96.4	96.4	96.4
≥ 900	44.4	79.2	83.6	87.4	92.6	92.9	95.0	95.8	96.1	96.6	96.7	96.8	97.0	97.1	97.2	97.2
≥ 800	44.5	79.4	83.9	87.8	93.3	93.5	95.8	96.6	96.9	97.4	97.6	97.6	97.8	98.0	98.0	98.1
≥ 700	44.5	79.4	84.0	87.8	93.5	93.9	96.1	97.0	97.4	97.9	98.1	98.1	98.3	98.5	98.5	98.6
≥ 600	44.6	79.5	84.0	87.8	93.6	93.9	96.3	97.2	97.6	98.2	98.3	98.4	98.6	98.8	98.8	98.9
≥ 500	44.6	79.5	84.0	87.8	93.7	94.1	96.4	97.5	97.9	98.6	98.8	98.9	99.1	99.3	99.3	99.4
≥ 400	44.6	79.5	84.0	87.8	93.7	94.1	96.4	97.6	98.1	98.8	99.0	99.1	99.4	99.6	99.6	99.7
≥ 300	44.6	79.5	84.0	87.9	93.7	94.1	96.5	97.6	98.1	98.8	99.1	99.2	99.5	99.7	99.8	99.8
≥ 200	44.6	79.5	84.0	87.9	93.7	94.1	96.5	97.6	98.1	98.8	99.1	99.2	99.5	99.7	99.8	99.8
≥ 100	44.6	79.5	84.0	87.9	93.7	94.1	96.5	97.6	98.1	98.8	99.1	99.2	99.5	99.7	99.8	99.9
≥ 0	44.7	79.6	84.1	88.0	93.8	94.2	96.6	97.7	98.2	98.9	99.2	99.2	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2475

USAF ETAC FORM JUL 64 0-11-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 69-78 JUN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥7/8	≥½	≥¼	≥0
NO CEILING	18.8	34.5	38.8	41.2	43.3	43.3	44.2	45.0	45.2	45.5	45.5	45.5	45.7	45.7	45.7	45.8
≥ 20000	21.3	39.0	43.5	45.8	48.2	48.2	49.7	50.5	51.0	51.3	51.5	51.7	51.8	51.8	51.8	52.3
≥ 8000	21.3	39.0	43.5	45.8	48.2	48.2	49.7	50.5	51.0	51.3	51.5	51.7	51.8	51.8	51.8	52.3
≥ 6000	21.3	39.0	43.5	45.8	48.2	48.2	49.7	50.5	51.0	51.3	51.5	51.7	51.8	51.8	51.8	52.3
≥ 4500	21.3	39.0	43.5	45.8	48.2	48.2	49.7	50.5	51.0	51.3	51.5	51.7	51.8	51.8	51.8	52.3
≥ 3500	21.5	39.7	44.3	46.7	49.0	49.0	50.5	51.3	51.8	52.2	52.3	52.5	52.7	52.7	52.7	53.2
≥ 3000	22.2	40.7	45.3	47.7	50.0	50.0	51.7	52.5	53.0	53.3	53.5	53.7	53.8	53.8	53.8	54.3
≥ 2500	22.3	41.3	46.0	48.3	50.7	50.7	52.3	53.2	53.7	54.0	54.2	54.3	54.5	54.5	54.5	55.0
≥ 2000	25.5	46.2	52.3	55.0	57.5	57.5	59.5	60.5	61.0	61.3	61.5	61.7	61.8	61.8	61.8	62.3
≥ 1800	26.2	48.0	54.3	57.5	60.0	60.2	62.8	63.8	64.5	64.8	65.0	65.2	65.5	65.5	65.5	66.2
≥ 1600	26.8	49.3	56.0	59.3	61.8	62.0	64.8	66.2	66.8	67.2	67.5	67.7	68.0	68.0	68.2	68.8
≥ 1400	27.2	50.2	57.2	60.5	63.2	63.3	66.3	67.7	68.3	68.7	69.0	69.2	69.5	69.5	69.7	70.3
≥ 1200	27.5	50.7	57.7	61.0	63.7	63.8	67.0	68.3	69.0	69.3	69.7	69.8	70.2	70.2	70.3	71.0
≥ 1000	27.8	52.2	59.2	63.2	66.3	66.5	69.8	71.2	71.8	72.2	72.5	72.7	73.0	73.0	73.2	73.8
≥ 900	29.0	54.2	61.3	66.0	69.8	70.0	73.5	75.0	75.7	76.0	76.3	76.5	76.8	76.8	77.0	77.7
≥ 800	29.7	55.7	63.0	68.5	73.2	73.3	76.8	78.5	79.3	79.7	80.0	80.2	80.5	80.5	80.7	81.3
≥ 700	30.7	57.0	64.5	70.2	75.2	75.3	78.8	80.8	81.7	82.2	82.5	82.7	83.0	83.0	83.2	83.8
≥ 600	31.2	58.2	65.8	71.5	77.0	77.2	81.2	83.5	84.7	85.3	85.8	86.2	86.5	86.5	86.7	87.3
≥ 500	31.2	58.3	66.0	71.7	77.2	77.3	81.5	83.8	85.0	85.7	86.2	86.5	86.8	86.8	87.0	87.7
≥ 450	31.5	59.3	67.2	72.8	78.5	78.7	83.2	85.5	86.7	87.5	88.0	88.3	88.7	88.7	88.8	89.5
≥ 400	31.5	59.8	68.2	74.0	80.2	80.3	85.2	87.5	89.0	90.5	91.0	91.3	91.8	91.8	92.0	92.7
≥ 350	31.5	60.0	68.7	75.2	81.5	81.7	86.8	89.3	90.8	92.3	92.8	93.2	93.7	93.7	93.8	94.5
≥ 300	31.7	60.2	68.8	75.5	81.8	82.0	87.7	90.2	91.7	93.2	93.7	94.0	94.5	94.5	94.7	95.3
≥ 250	31.7	60.2	68.8	75.7	82.0	82.2	88.2	90.7	92.5	94.3	94.8	95.2	95.7	95.7	95.8	96.5
≥ 200	32.0	60.5	69.2	76.0	82.3	82.5	89.0	91.5	93.3	95.3	95.8	96.2	96.7	96.7	96.8	97.5
≥ 150	32.0	60.5	69.2	76.0	82.3	82.5	89.2	91.7	93.5	95.5	96.0	96.3	96.8	96.8	97.0	97.7
≥ 100	32.0	60.5	69.2	76.0	82.3	82.5	89.2	91.8	93.7	95.7	96.2	96.5	97.2	97.2	97.3	98.0
≥ 50	32.0	60.5	69.2	76.0	82.3	82.5	89.2	91.8	93.7	95.8	96.3	96.8	97.5	97.5	97.7	98.3
≥ 0	32.0	60.5	69.2	76.0	82.3	82.5	89.2	91.8	93.7	96.0	96.5	96.8	97.5	97.7	97.8	98.5
	32.0	60.5	69.2	76.0	82.3	82.5	89.2	91.8	93.7	96.0	96.5	96.8	97.7	97.8	98.0	99.2
	32.0	60.5	69.2	76.0	82.3	82.5	89.2	91.8	93.7	96.0	96.5	96.8	97.7	98.0	98.3	99.7
	32.0	60.5	69.2	76.0	82.3	82.5	89.2	91.8	93.7	96.0	96.5	96.8	97.7	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 600

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 69-78 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	24.4	37.7	39.1	40.8	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	26.2	42.6	44.4	46.2	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	26.2	42.9	44.7	46.5	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 9700	26.2	42.9	44.7	46.5	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	26.2	42.9	44.7	46.5	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000	26.4	43.2	45.0	46.8	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 10000	28.3	45.8	47.6	49.5	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	29.1	46.5	48.3	50.3	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	32.4	51.7	54.1	56.2	57.7	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 7000	33.5	53.9	56.7	59.2	61.5	61.5	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4
≥ 6000	33.6	55.0	57.7	60.3	62.7	62.7	63.8	63.8	63.8	63.9	63.9	63.9	64.1	64.1	64.1	64.1
≥ 5000	33.9	55.8	58.5	61.1	63.5	63.5	64.5	64.5	64.5	64.7	64.7	64.7	64.8	64.8	64.8	64.8
≥ 4500	34.2	56.2	58.9	61.5	64.1	64.1	65.2	65.2	65.2	65.3	65.3	65.3	65.5	65.5	65.5	65.5
≥ 4000	34.7	57.9	60.9	64.1	67.0	67.0	68.0	68.0	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3
≥ 3500	37.7	63.3	66.8	70.5	73.8	73.8	75.0	75.0	75.0	75.2	75.2	75.2	75.3	75.3	75.3	75.3
≥ 3000	41.1	68.8	72.9	77.4	80.9	80.9	82.4	82.6	82.6	82.7	82.7	82.7	82.9	82.9	82.9	82.9
≥ 2500	42.0	70.8	75.5	80.2	83.9	83.9	85.5	85.6	85.6	85.8	85.8	85.8	85.9	85.9	85.9	85.9
≥ 2000	44.7	74.4	79.7	84.5	89.2	89.2	90.8	90.9	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2
≥ 1800	44.7	74.4	79.7	84.5	90.2	90.2	92.0	92.1	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4
≥ 1500	44.7	74.5	80.2	85.0	91.2	91.2	93.3	93.5	93.5	93.6	93.6	93.6	93.8	93.8	93.8	93.8
≥ 1200	45.5	75.3	80.9	85.9	92.4	92.4	94.7	94.8	94.8	95.0	95.0	95.0	95.2	95.2	95.2	95.2
≥ 1000	45.8	75.9	81.8	87.6	94.2	94.2	97.1	97.3	97.3	97.4	97.4	97.4	97.6	97.6	97.6	97.6
≥ 900	45.8	76.1	82.3	88.0	94.8	94.8	97.9	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
≥ 800	45.8	76.4	82.6	88.8	95.8	95.8	98.8	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 700	45.9	76.5	82.7	88.9	95.9	95.9	98.9	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 600	45.9	76.5	82.7	88.9	95.9	95.9	98.9	99.1	99.1	99.5	99.5	99.5	99.7	99.7	99.7	99.7
≥ 500	45.9	76.5	82.7	88.9	96.1	96.1	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 400	45.9	76.5	82.7	88.9	96.1	96.1	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 300	45.9	76.5	82.7	88.9	96.1	96.1	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200	45.9	76.5	82.7	88.9	96.1	96.1	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ X	45.9	76.5	82.7	88.9	96.1	96.1	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	45.9	76.5	82.7	88.9	96.1	96.1	99.1	99.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 660

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-75 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	27.1	36.5	37.2	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000	31.8	44.0	44.8	45.1	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 8000	31.9	44.4	45.2	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 6000	31.9	44.4	45.2	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 4500	31.9	44.4	45.2	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 2000	31.9	44.9	45.7	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	33.2	46.9	47.7	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	33.2	47.3	48.0	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
≥ 8000	37.7	53.7	54.9	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 7000	39.4	57.7	59.8	60.1	61.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 6000	40.7	60.7	62.8	63.2	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	41.9	62.3	64.6	65.4	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4500	42.6	63.7	66.0	67.0	68.2	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4000	44.4	66.5	69.0	70.3	71.8	71.8	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	47.3	72.1	75.6	77.0	79.2	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3000	51.6	79.7	84.0	85.6	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	52.4	81.7	86.4	88.3	91.5	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	53.5	83.3	88.3	90.5	93.7	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	53.5	83.3	88.3	90.5	93.9	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	54.1	83.9	89.7	91.9	95.8	95.8	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	55.4	85.1	90.9	93.1	97.2	97.2	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	55.6	85.4	91.2	93.9	98.0	98.0	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	55.6	85.4	91.2	93.9	98.1	98.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	55.7	85.8	91.5	94.2	98.4	98.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	56.0	86.2	92.0	94.7	98.9	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 639

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 69-78 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	26.5	36.2	36.3	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0		
≥ 20000	32.5	45.2	45.3	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4		
≥ 8000	32.9	45.5	45.7	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7		
≥ 5000	32.9	45.5	45.7	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7		
≥ 4000	32.9	45.8	46.0	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1		
≥ 3000	33.0	46.0	46.2	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2		
≥ 2500	35.5	48.8	49.1	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2		
≥ 2000	35.8	49.1	49.5	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5		
≥ 1800	39.6	56.7	57.3	58.3	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8		
≥ 1500	43.9	63.8	64.9	65.9	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4		
≥ 1200	45.0	65.9	67.0	68.0	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5		
≥ 1000	47.1	68.9	70.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6		
≥ 900	48.4	70.9	72.3	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9		
≥ 800	51.0	75.3	76.8	77.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4		
≥ 700	54.3	79.8	81.5	82.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7		
≥ 600	58.3	86.5	89.3	90.7	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4		
≥ 500	58.8	87.9	90.7	92.2	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9		
≥ 400	59.0	88.8	91.9	93.8	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8		
≥ 300	59.0	88.8	91.9	93.8	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8		
≥ 200	59.9	89.8	92.9	95.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4		
≥ 100	60.7	91.0	94.1	96.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0		
≥ 000	60.7	91.0	94.1	96.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0		
≥ 900	60.7	91.0	94.1	96.5	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
≥ 800	61.2	91.5	94.6	97.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8		
≥ 700	61.2	91.7	94.8	97.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 600	61.2	91.7	94.8	97.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 500	61.2	91.7	94.8	97.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 400	61.2	91.7	94.8	97.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 300	61.2	91.7	94.8	97.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 200	61.2	91.7	94.8	97.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 100	61.2	91.7	94.8	97.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 0	61.2	91.7	94.8	97.2	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 578

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF GL 69-71 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	9	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥¼	<¼	
NO CEILING	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 15000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 9000	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 8000	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
≥ 7000	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
≥ 6000	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 5000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	75.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	75.9	79.3	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	79.3	82.8	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
≥ 2000	79.3	82.8	93.1	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
≥ 1800	79.3	82.8	93.1	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
≥ 1500	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	82.8	86.2	96.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 29

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 59-78 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥7	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	24.4	36.3	37.9	39.1	39.9	39.9	40.1	40.3	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5
≤ 20000	28.1	42.7	44.5	45.8	46.8	46.8	47.2	47.4	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.9
≥ 18000	28.2	43.0	44.8	46.0	47.1	47.1	47.5	47.7	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.1
≥ 16000	28.2	43.0	44.8	46.0	47.1	47.1	47.5	47.7	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.1
≥ 14000	28.2	43.0	44.8	46.1	47.2	47.2	47.6	47.8	47.9	48.0	48.0	48.1	48.1	48.1	48.1	48.2
≥ 12000	28.4	43.4	45.3	46.5	47.6	47.6	48.0	48.2	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.7
≥ 10000	30.0	45.8	47.5	48.8	49.9	49.9	50.3	50.5	50.6	50.7	50.7	50.8	50.8	50.8	50.8	50.9
≥ 9000	30.3	46.1	48.0	49.3	50.4	50.4	50.8	51.0	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.5
≥ 8000	34.0	52.1	54.6	56.1	57.4	57.4	58.0	58.2	58.4	58.4	58.5	58.5	58.6	58.6	58.6	58.7
≥ 7000	36.1	56.0	59.0	60.7	62.3	62.3	63.3	63.5	63.7	63.7	63.8	63.8	63.9	63.9	63.9	64.1
≥ 6000	36.9	57.8	60.9	62.7	64.4	64.4	65.5	65.8	66.0	66.1	66.2	66.2	66.3	66.3	66.4	66.5
≥ 5000	37.8	59.3	62.5	64.5	66.2	66.2	67.3	67.7	67.8	67.9	68.0	68.0	68.2	68.2	68.2	68.4
≥ 4500	38.5	60.4	63.7	65.6	67.4	67.4	68.6	68.9	69.0	69.2	69.2	69.3	69.4	69.4	69.4	69.6
≥ 4000	39.8	63.0	66.5	68.8	70.8	70.9	72.1	72.4	72.6	72.7	72.8	72.8	72.9	72.9	73.0	73.1
≥ 3500	42.4	67.4	71.3	74.0	76.6	76.7	77.9	78.3	78.5	78.6	78.7	78.7	78.8	78.8	78.9	79.0
≥ 3000	45.4	72.6	77.3	80.5	83.6	83.6	85.0	85.4	85.6	85.8	85.8	85.9	86.0	86.0	86.0	86.2
≥ 2500	46.3	74.4	79.3	82.7	86.1	86.2	87.6	88.1	88.3	88.4	88.5	88.6	88.7	88.7	88.7	88.9
≥ 2000	47.4	76.2	81.5	85.2	89.0	89.1	90.6	91.2	91.5	91.7	91.8	91.9	92.0	92.0	92.1	92.2
≥ 1800	47.4	76.2	81.6	85.2	89.3	89.4	91.1	91.7	91.9	92.1	92.3	92.3	92.5	92.5	92.5	92.7
≥ 1500	47.9	76.9	82.6	86.4	90.8	90.9	92.8	93.4	93.7	93.9	94.1	94.1	94.3	94.3	94.3	94.5
≥ 1200	48.6	77.9	83.6	87.5	92.3	92.3	94.3	95.0	95.3	95.7	95.9	95.9	96.1	96.1	96.1	96.3
≥ 1000	48.7	78.1	84.1	88.4	93.3	93.3	95.6	96.3	96.6	97.0	97.1	97.2	97.4	97.4	97.4	97.6
≥ 900	48.8	78.2	84.2	88.6	93.6	93.7	96.1	96.8	97.1	97.5	97.6	97.7	97.9	97.9	97.9	98.1
≥ 800	48.9	78.5	84.5	89.1	94.1	94.1	96.6	97.3	97.8	98.2	98.4	98.4	98.6	98.6	98.6	98.8
≥ 700	49.1	78.8	84.8	89.3	94.4	94.4	97.0	97.7	98.2	98.7	98.8	98.9	99.1	99.1	99.1	99.3
≥ 600	49.1	78.8	84.8	89.3	94.4	94.4	97.1	97.8	98.2	98.8	98.9	99.0	99.2	99.2	99.2	99.4
≥ 500	49.1	78.9	84.8	89.3	94.4	94.5	97.1	97.9	98.3	98.9	99.0	99.1	99.3	99.3	99.4	99.5
≥ 400	49.1	78.8	84.8	89.3	94.4	94.5	97.1	97.9	98.3	99.0	99.1	99.2	99.4	99.4	99.4	99.6
≥ 300	49.1	78.8	84.8	89.3	94.4	94.5	97.1	97.9	98.3	99.0	99.1	99.2	99.4	99.4	99.5	99.6
≥ 200	49.1	78.8	84.8	89.3	94.4	94.5	97.1	97.9	98.3	99.0	99.1	99.2	99.4	99.5	99.5	99.8
≥ 100	49.1	78.8	84.8	89.3	94.4	94.5	97.1	97.9	98.3	99.0	99.1	99.2	99.4	99.5	99.6	99.9
≥ 0	49.1	78.8	84.8	89.3	94.4	94.5	97.1	97.9	98.3	99.0	99.1	99.2	99.4	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2507

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 59-75 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING	16.4	34.8	38.4	42.2	46.6	46.6	48.1	49.2	49.4	50.9	51.4	51.9	51.9	51.9	51.9	52.1
≥ 20000	17.9	38.2	42.0	45.9	50.3	50.3	51.9	53.1	53.3	54.8	55.3	55.8	55.8	55.8	55.8	55.9
≥ 18000	17.9	38.2	42.0	45.9	50.3	50.3	51.9	53.1	53.3	54.8	55.3	55.8	55.8	55.8	55.8	55.9
≥ 16000	17.9	38.2	42.0	45.9	50.3	50.3	51.9	53.1	53.3	54.8	55.3	55.8	55.8	55.8	55.8	55.9
≥ 14000	17.9	38.2	42.0	45.9	50.3	50.3	51.9	53.1	53.3	54.8	55.3	55.8	55.8	55.8	55.8	55.9
≥ 12000	18.3	39.2	43.0	47.1	51.4	51.4	53.1	54.3	54.4	55.9	56.4	57.0	57.0	57.0	57.0	57.1
≥ 10000	18.3	40.5	44.4	48.4	52.9	52.9	54.8	56.4	56.6	58.1	58.6	59.1	59.1	59.1	59.1	59.3
≥ 9000	19.6	43.4	47.2	51.3	56.1	56.1	58.1	60.0	60.1	61.6	62.1	62.6	62.6	62.6	62.6	62.8
≥ 8000	21.6	47.2	51.8	55.8	60.8	60.8	62.8	64.7	65.2	66.7	67.2	67.7	67.7	67.7	67.7	67.8
≥ 7000	23.8	50.3	54.9	59.0	64.7	64.7	66.8	68.7	69.2	70.7	71.2	71.7	71.7	71.7	71.7	71.9
≥ 6000	24.5	50.9	55.9	60.1	66.0	66.0	68.5	70.4	70.9	72.4	73.0	73.5	73.5	73.5	73.5	73.7
≥ 5000	25.3	51.9	57.0	61.6	68.3	68.3	71.0	73.0	73.7	75.2	75.9	76.4	76.4	76.4	76.4	76.5
≥ 4500	25.6	52.8	57.8	62.6	69.8	69.8	72.5	74.7	75.4	76.9	77.6	78.1	78.1	78.1	78.1	78.2
≥ 4000	26.3	53.9	59.3	64.5	72.0	72.0	74.9	77.4	78.1	79.7	80.4	80.9	80.9	80.9	80.9	81.1
≥ 3500	27.5	56.4	62.0	67.3	75.5	75.5	78.7	81.9	82.6	84.4	85.1	85.6	85.8	85.8	85.8	85.9
≥ 3000	28.8	58.6	64.7	70.5	79.2	79.2	82.4	85.6	86.3	88.1	88.8	89.3	89.4	89.4	89.4	89.6
≥ 2500	29.6	59.8	65.8	72.0	80.7	80.7	84.1	87.9	88.8	90.6	91.3	91.8	92.0	92.0	92.0	92.1
≥ 2000	30.5	61.0	67.5	74.0	82.9	82.9	86.3	90.1	91.0	93.1	93.8	94.3	94.5	94.5	94.5	94.6
≥ 1800	30.5	61.0	67.5	74.0	82.9	82.9	86.4	90.2	91.1	93.3	94.0	94.5	94.6	94.6	94.6	94.8
≥ 1500	31.0	61.6	68.2	74.7	83.8	83.8	87.4	91.3	92.1	94.5	95.1	95.6	95.8	95.8	95.8	96.0
≥ 1200	31.3	62.0	68.7	75.2	84.4	84.4	88.1	92.1	93.0	95.5	96.1	96.6	96.8	96.8	96.8	97.0
≥ 1000	31.3	62.0	68.7	75.4	84.9	84.9	88.8	93.0	93.8	96.3	97.0	97.5	97.7	97.7	97.7	97.8
≥ 900	31.3	62.0	68.7	75.4	84.9	84.9	88.8	93.0	94.0	96.5	97.2	97.7	97.8	97.8	97.8	98.0
≥ 800	31.3	62.0	68.7	75.5	85.1	85.1	89.1	93.5	94.5	97.0	97.7	98.2	98.3	98.3	98.3	98.5
≥ 700	31.3	62.0	68.7	75.5	85.1	85.1	89.1	93.5	94.5	97.3	98.0	98.5	98.7	98.7	98.7	98.8
≥ 600	31.3	62.0	68.7	75.5	85.1	85.1	89.1	93.5	94.5	97.3	98.0	98.5	98.7	98.7	98.7	98.8
≥ 500	31.3	62.0	68.7	75.5	85.3	85.3	89.4	93.8	95.0	97.8	98.5	99.0	99.2	99.2	99.2	99.3
≥ 400	31.3	62.0	68.7	75.5	85.3	85.3	89.4	93.8	95.0	97.8	98.7	99.2	99.3	99.3	99.3	99.5
≥ 300	31.3	62.0	68.7	75.5	85.3	85.3	89.4	93.8	95.0	97.8	98.7	99.2	99.3	99.3	99.3	99.7
≥ 200	31.3	62.0	68.7	75.5	85.3	85.3	89.4	93.8	95.0	97.8	98.7	99.3	99.5	99.5	99.5	99.8
≥ 100	31.3	62.0	68.7	75.5	85.3	85.3	89.4	93.8	95.0	97.8	98.7	99.3	99.5	99.5	99.5	99.8
≥ 0	31.3	62.0	68.7	75.5	85.3	85.3	89.4	93.8	95.0	97.8	98.7	99.3	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 597

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	22.2	38.6	41.9	45.1	47.6	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 20000	24.2	43.1	46.4	49.6	52.4	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	24.2	43.1	46.4	49.6	52.4	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	24.2	43.1	46.4	49.6	52.4	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	24.2	43.1	46.4	49.6	52.4	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 12000	24.2	43.1	46.4	49.8	52.8	52.8	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	25.3	45.1	48.4	51.8	54.6	54.6	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 9000	25.6	46.2	49.5	52.9	56.1	56.1	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 8000	29.1	51.6	55.3	58.9	62.6	62.6	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 7000	32.2	56.0	59.7	63.4	67.3	67.3	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 6000	32.4	56.4	60.2	63.9	67.9	67.9	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	34.0	58.1	62.2	66.4	70.9	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	34.9	59.7	63.7	68.1	72.7	72.7	73.2	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4000	35.8	61.9	65.9	70.2	75.0	75.0	75.5	75.5	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3500	38.3	65.6	70.1	74.6	79.7	79.7	80.5	80.5	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	41.2	71.2	76.0	80.8	86.5	86.5	87.4	87.6	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 2500	43.1	73.2	78.3	83.1	89.3	89.3	90.2	90.5	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2000	44.8	75.3	80.5	85.7	92.6	92.6	93.6	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	45.1	75.7	80.8	86.0	93.2	93.2	94.3	94.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1500	45.7	76.6	82.0	87.3	94.6	94.6	96.1	96.4	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	45.9	77.1	82.9	88.4	95.7	95.7	97.2	97.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	45.9	77.1	82.9	88.4	95.7	95.7	97.2	97.5	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	45.9	77.2	83.1	88.5	95.8	95.8	97.4	97.7	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 800	45.9	77.4	83.3	88.7	96.0	96.0	97.5	98.0	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	45.9	77.4	83.4	88.8	96.1	96.1	97.7	98.1	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	45.9	77.4	83.4	88.8	96.6	96.6	98.1	98.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	45.9	77.4	83.4	88.8	96.7	96.7	98.3	98.8	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	45.9	77.4	83.4	88.8	96.7	96.7	98.3	98.8	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	45.9	77.4	83.4	88.8	96.7	96.7	98.3	98.8	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	45.9	77.4	83.4	88.8	96.7	96.7	98.3	98.8	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	46.0	77.5	83.6	89.0	96.9	96.9	98.4	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	46.0	77.5	83.6	89.0	96.9	96.9	98.4	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 645

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

34190 STATION | ILLESHEIM AAF OL STATION NAME | 69-78 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	27.7	43.3	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	44.7
≥ 20000	30.6	48.7	50.2	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	30.6	48.7	50.2	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000	30.6	48.7	50.2	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000	30.7	48.9	50.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	30.7	48.9	50.3	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000	31.0	49.8	51.3	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000	31.7	51.4	52.8	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	37.5	58.8	60.3	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 7000	39.7	63.5	65.2	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000	41.5	67.1	68.8	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	43.9	69.9	71.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	44.7	71.2	73.0	74.0	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 4000	46.6	75.2	77.1	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	49.5	79.9	83.2	84.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	53.0	85.3	89.2	90.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	55.3	88.6	92.5	94.0	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2000	56.3	89.8	93.7	95.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	56.3	90.0	93.9	95.8	97.8	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	56.4	90.3	94.2	95.9	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	56.4	90.4	94.5	96.2	98.6	98.6	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	56.4	90.4	94.5	96.2	98.6	98.6	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	56.4	90.4	94.5	96.2	98.6	98.6	98.6	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	56.4	90.6	95.0	96.7	99.1	99.1	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	56.4	90.6	95.1	96.9	99.4	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 638

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.9	49.8	50.4	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
≥ 20000	41.5	58.6	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 18000	41.5	58.6	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	41.5	58.6	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4000	41.5	58.6	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 12000	41.5	58.6	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 10000	43.0	60.2	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000	43.7	60.9	62.0	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
≥ 8000	46.7	65.3	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000	49.5	70.1	71.3	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
≥ 6000	50.9	72.4	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	53.2	75.0	76.4	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
≥ 4500	54.2	76.4	77.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000	57.4	81.3	82.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 3500	58.3	83.3	85.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3000	62.5	89.8	92.4	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
≥ 2500	63.4	91.5	94.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	64.3	92.4	95.8	98.1	98.1	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	64.3	92.4	95.8	98.2	98.2	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	64.3	92.4	95.8	98.2	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	64.3	93.0	96.3	98.8	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	64.3	93.0	96.3	98.8	99.1	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	64.3	93.0	96.3	98.8	99.1	99.1	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	64.3	93.0	96.5	98.9	99.3	99.3	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 568

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-70,74 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	49.0	54.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 20000	58.8	64.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 18000	58.8	64.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 16000	58.8	64.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 14000	58.8	64.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 12000	58.8	64.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 10000	58.8	64.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 9000	58.8	64.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 8000	60.8	66.7	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
≥ 7000	66.7	72.5	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000	72.5	78.4	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
≥ 5000	76.5	82.4	86.2	86.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4500	78.4	84.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000	80.4	86.3	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3500	84.3	90.2	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
≥ 3000	84.3	90.2	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
≥ 2500	84.3	90.2	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
≥ 2000	84.3	90.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	84.3	90.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	86.3	92.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 51

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥½	≥5/16	≥¼	≥0
NO CEILING	25.7	41.8	43.9	45.9	47.5	47.5	47.9	48.2	48.3	48.7	48.8	48.9	48.9	48.9	48.9	48.9
≥ 20000	29.0	47.3	49.8	51.8	53.7	53.7	54.1	54.4	54.5	54.8	54.9	55.1	55.1	55.1	55.1	55.1
≥ 18000	29.0	47.3	49.8	51.8	53.7	53.7	54.1	54.4	54.5	54.8	54.9	55.1	55.1	55.1	55.1	55.1
≥ 16000	29.0	47.3	49.8	51.8	53.7	53.7	54.1	54.4	54.5	54.8	54.9	55.1	55.1	55.1	55.1	55.1
≥ 14000	29.0	47.4	49.9	51.9	53.7	53.7	54.1	54.4	54.5	54.9	55.0	55.1	55.1	55.1	55.1	55.1
≥ 12000	29.1	47.6	50.1	52.2	54.0	54.0	54.5	54.7	54.8	55.2	55.3	55.4	55.4	55.4	55.4	55.5
≥ 10000	29.8	49.1	51.5	53.7	55.5	55.5	56.0	56.4	56.5	56.9	57.0	57.1	57.1	57.1	57.1	57.1
≥ 9000	30.5	50.6	53.1	55.2	57.3	57.3	57.8	58.2	58.3	58.7	58.8	58.9	58.9	58.9	58.9	58.9
≥ 8000	34.1	55.8	58.6	60.8	63.1	63.1	63.6	64.0	64.2	64.5	64.7	64.8	64.8	64.8	64.8	64.8
≥ 7000	36.7	60.1	63.0	65.3	67.7	67.7	68.3	68.8	68.9	69.3	69.4	69.5	69.5	69.5	69.5	69.6
≥ 6000	37.9	61.9	64.9	67.3	69.8	69.8	70.5	70.9	71.1	71.5	71.6	71.7	71.7	71.7	71.7	71.8
≥ 5000	39.7	64.0	67.1	69.8	72.7	72.7	73.4	73.9	74.1	74.4	74.6	74.7	74.7	74.7	74.7	74.7
≥ 4500	40.5	65.3	68.4	71.2	74.3	74.3	75.0	75.6	75.8	76.2	76.3	76.4	76.4	76.4	76.4	76.5
≥ 4000	42.1	68.3	71.6	74.5	77.7	77.7	78.5	79.1	79.3	79.8	79.9	80.0	80.0	80.0	80.0	80.1
≥ 3500	44.1	71.6	75.6	78.6	82.1	82.1	83.0	83.6	84.0	84.5	84.7	84.8	84.8	84.8	84.8	84.9
≥ 3000	47.0	76.4	80.8	84.2	88.2	88.2	89.2	90.0	90.2	90.7	90.8	91.0	91.0	91.0	91.0	91.0
≥ 2500	48.5	78.4	83.0	86.6	90.7	90.7	91.7	92.8	93.0	93.6	93.7	93.8	93.9	93.9	93.9	93.9
≥ 2000	49.5	79.8	84.6	88.5	92.9	92.9	94.0	95.1	95.4	96.0	96.1	96.2	96.3	96.3	96.3	96.3
≥ 1800	49.6	79.9	84.7	88.6	93.2	93.2	94.3	95.4	95.7	96.3	96.5	96.6	96.6	96.6	96.6	96.7
≥ 1500	50.0	80.4	85.3	89.2	94.0	94.0	95.2	96.4	96.6	97.3	97.5	97.6	97.6	97.6	97.6	97.7
≥ 1200	50.1	80.8	85.9	89.8	94.6	94.6	95.9	97.1	97.4	98.1	98.3	98.4	98.4	98.4	98.4	98.5
≥ 1000	50.1	80.8	85.9	89.9	94.7	94.7	96.0	97.3	97.6	98.3	98.5	98.6	98.6	98.6	98.6	98.7
≥ 900	50.1	80.8	85.9	89.9	94.8	94.8	96.1	97.4	97.7	98.5	98.7	98.8	98.8	98.8	98.8	98.9
≥ 800	50.1	80.9	86.1	90.2	95.0	95.0	96.4	97.7	98.0	98.9	99.0	99.2	99.2	99.2	99.2	99.2
≥ 700	50.1	80.9	86.2	90.2	95.1	95.1	96.5	97.8	98.2	99.1	99.3	99.4	99.4	99.4	99.4	99.5
≥ 600	50.1	80.9	86.2	90.2	95.2	95.2	96.6	98.0	98.3	99.2	99.4	99.5	99.6	99.6	99.6	99.6
≥ 500	50.1	80.9	86.2	90.2	95.3	95.3	96.7	98.1	98.4	99.4	99.6	99.7	99.8	99.8	99.8	99.8
≥ 400	50.1	80.9	86.2	90.2	95.3	95.3	96.7	98.1	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8
≥ 300	50.1	80.9	86.2	90.2	95.3	95.3	96.7	98.1	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.9
≥ 200	50.1	80.9	86.2	90.2	95.3	95.3	96.7	98.1	98.4	99.4	99.6	99.8	99.8	99.8	99.8	99.9
≥ 100	50.1	81.0	86.2	90.3	95.4	95.4	96.8	98.1	98.5	99.5	99.7	99.8	99.9	99.9	99.9	100.0
≥ 0	50.1	81.0	86.2	90.3	95.4	95.4	96.8	98.1	98.5	99.5	99.7	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2499

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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥⅜	≥¼	≥0
NO CEILING	18.1	31.5	35.9	39.2	41.8	42.2	43.6	44.3	44.8	45.9	46.0	46.5	47.1	47.5	47.5	47.8
≥ 20000	19.8	37.3	41.8	46.5	49.2	49.6	51.3	52.0	52.5	53.5	53.7	54.1	54.8	55.2	55.2	55.5
≥ 18000	19.8	37.3	41.8	46.5	49.2	49.6	51.4	52.2	52.6	53.7	53.8	54.3	54.9	55.4	55.4	55.7
≥ 16000	19.8	37.3	41.8	46.5	49.2	49.6	51.4	52.2	52.6	53.7	53.8	54.3	54.9	55.4	55.4	55.7
≥ 14000	19.8	37.3	41.8	46.5	49.2	49.6	51.4	52.2	52.6	53.7	53.8	54.3	54.9	55.4	55.4	55.7
≥ 12000	19.9	37.6	42.1	46.8	49.5	49.9	51.7	52.5	52.9	54.0	54.1	54.6	55.2	55.7	55.7	56.0
≥ 10000	20.4	39.4	43.9	49.2	52.5	52.9	54.9	56.0	56.4	57.5	57.6	58.1	58.7	59.1	59.1	59.4
≥ 9000	21.1	40.4	45.1	50.7	54.0	54.4	56.4	57.6	58.1	59.1	59.3	59.7	60.3	61.1	61.1	61.4
≥ 8000	23.2	44.2	49.8	55.5	60.2	60.6	62.7	64.1	64.7	65.8	66.1	66.8	67.6	68.5	68.5	68.8
≥ 7000	24.6	45.7	51.4	58.1	62.9	63.3	65.6	67.7	68.5	69.5	69.8	70.6	71.3	72.2	72.2	72.5
≥ 6000	24.7	46.6	52.3	59.1	64.0	64.4	67.0	69.1	69.8	70.9	71.2	71.9	72.7	73.6	73.6	73.9
≥ 5000	25.0	47.4	53.1	60.0	65.9	66.4	69.2	71.3	72.1	73.2	73.5	74.4	75.1	76.0	76.0	76.3
≥ 4500	25.6	48.6	54.3	61.2	67.3	67.7	70.7	73.2	74.1	75.1	75.4	76.3	77.1	78.0	78.0	78.3
≥ 4000	27.0	51.0	57.0	64.7	71.2	71.6	75.0	77.7	78.7	79.8	80.1	81.4	82.2	83.1	83.1	83.4
≥ 3500	27.0	51.4	57.6	65.8	72.5	73.0	76.5	79.2	80.2	81.3	81.6	83.0	83.7	84.6	84.6	84.9
≥ 3000	27.5	52.2	58.5	66.8	74.5	75.1	78.7	82.1	83.1	84.2	84.5	85.8	86.7	87.6	87.6	87.9
≥ 2500	27.6	52.5	59.1	67.7	75.4	76.0	79.9	83.3	84.3	85.4	85.7	87.0	87.9	88.8	88.8	89.1
≥ 2000	27.8	52.8	59.4	68.0	75.9	76.5	80.5	84.0	85.1	86.3	86.7	88.1	89.0	89.9	89.9	90.2
≥ 1800	27.8	52.8	59.4	68.0	75.9	76.5	80.7	84.2	85.2	86.4	86.9	88.2	89.1	90.0	90.0	90.3
≥ 1500	27.9	52.9	59.6	68.2	76.3	76.9	81.7	85.4	86.4	87.6	88.1	89.6	90.5	91.4	91.4	91.7
≥ 1200	28.1	53.5	60.8	69.4	77.5	78.1	83.1	86.7	87.8	89.0	89.4	91.0	91.9	92.8	92.8	93.1
≥ 1000	28.2	53.8	61.4	70.1	78.3	78.9	84.0	87.6	88.7	89.9	90.3	91.9	92.8	93.7	93.7	94.0
≥ 900	28.2	53.8	61.5	70.3	78.9	79.5	84.8	88.7	89.9	91.1	91.6	93.1	94.0	94.9	94.9	95.2
≥ 800	28.5	54.4	62.3	71.2	79.8	80.4	85.8	89.7	91.0	92.5	92.9	94.4	95.3	96.2	96.2	96.5
≥ 700	28.5	54.4	62.3	71.2	80.1	80.7	86.3	90.2	91.4	92.9	93.4	94.9	95.8	96.7	96.7	97.0
≥ 600	28.5	54.4	62.3	71.3	80.2	80.8	86.4	90.3	91.6	93.1	93.5	95.2	96.2	97.1	97.1	97.4
≥ 500	28.5	54.4	62.3	71.3	80.2	80.8	86.7	91.0	92.2	93.7	94.1	95.8	96.8	97.7	97.9	98.2
≥ 400	28.5	54.4	62.3	71.3	80.2	80.8	86.7	91.0	92.6	94.1	94.7	96.4	97.6	98.5	98.6	98.9
≥ 300	28.5	54.4	62.3	71.3	80.2	80.8	86.7	91.0	92.6	94.1	94.7	96.4	97.7	98.9	99.1	99.4
≥ 200	28.5	54.4	62.3	71.3	80.2	80.8	86.7	91.0	92.6	94.1	94.7	96.4	97.7	98.9	99.1	99.4
≥ 100	28.5	54.4	62.3	71.3	80.2	80.8	86.7	91.0	92.6	94.1	94.7	96.4	97.7	98.9	99.1	99.7
0	28.5	54.4	62.3	71.3	80.2	80.8	86.7	91.0	92.6	94.1	94.7	96.4	97.9	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 663

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS L.S.T.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0 mi	≥0	=0
NO CEILING	22.9	38.0	41.0	43.1	45.0	45.1	45.7	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	26.3	44.8	47.9	50.4	52.6	52.8	53.3	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	26.3	44.8	47.9	50.4	52.6	52.8	53.3	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 6000	26.3	44.8	47.9	50.4	52.6	52.8	53.3	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 4000	26.3	44.8	47.9	50.4	52.6	52.8	53.3	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 3000	26.3	45.2	48.4	50.8	53.2	53.3	53.9	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 2500	27.5	48.1	51.2	53.8	56.6	56.8	57.3	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 2000	28.4	49.1	52.2	54.9	58.2	58.3	59.2	59.9	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 1500	31.2	52.9	56.9	60.2	64.2	64.3	65.3	66.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 1000	32.7	55.3	59.5	62.9	67.4	67.6	68.7	69.8	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 800	33.1	56.0	60.2	63.7	68.6	68.7	69.8	71.0	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 600	34.0	57.0	61.5	65.3	70.1	70.3	71.6	72.7	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 500	34.0	57.5	62.0	66.0	71.0	71.1	72.4	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 400	34.9	58.7	63.3	67.3	72.5	72.7	74.0	75.4	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 300	35.3	60.3	65.3	69.7	75.1	75.2	76.5	78.0	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 200	36.7	63.6	69.4	74.4	80.1	80.2	81.7	83.1	83.6	83.8	83.8	83.8	83.9	83.9	83.9	83.9
≥ 150	37.1	64.7	70.7	75.8	81.5	81.7	83.1	84.5	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3
≥ 100	37.8	66.6	72.8	78.2	84.8	84.9	87.3	88.9	89.5	89.6	89.6	89.6	89.8	89.8	89.8	89.8
≥ 50	37.8	66.7	73.0	78.4	84.9	85.1	87.6	89.2	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 0	38.4	68.0	74.7	80.1	86.9	87.1	89.6	91.2	91.7	92.0	92.0	92.0	92.3	92.3	92.3	92.3
	38.5	68.3	75.7	81.7	88.6	88.9	91.5	93.2	93.7	94.0	94.0	94.0	94.3	94.3	94.3	94.3
	39.4	69.4	77.1	83.2	90.6	90.9	93.6	95.4	96.2	96.4	96.4	96.4	96.7	96.7	96.7	96.7
	39.5	69.8	77.8	83.9	91.7	92.0	94.7	96.6	97.3	97.6	97.6	97.6	97.9	97.9	97.9	97.9
	39.5	69.8	78.0	84.1	92.3	92.6	95.3	97.2	97.9	98.2	98.2	98.2	98.4	98.4	98.4	98.4
	39.5	69.8	78.0	84.1	92.5	92.7	95.4	97.3	98.0	98.3	98.3	98.3	98.6	98.6	98.6	98.6
	39.5	69.8	78.1	84.2	92.6	92.9	95.9	97.7	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1
	39.5	69.8	78.1	84.2	92.6	92.9	95.9	97.9	98.6	99.3	99.3	99.3	99.6	99.6	99.6	99.6
	39.5	69.8	78.1	84.2	92.6	92.9	95.9	97.9	98.6	99.3	99.3	99.3	99.7	99.7	99.7	99.7
	39.5	69.8	78.1	84.2	92.6	92.9	95.9	97.9	98.6	99.3	99.3	99.3	99.7	99.9	99.9	99.9
	39.5	69.8	78.1	84.2	92.6	92.9	95.9	97.9	98.6	99.3	99.3	99.3	99.7	99.9	99.9	99.9
	39.5	69.8	78.1	84.2	92.6	92.9	95.9	97.9	98.6	99.3	99.3	99.4	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 703

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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 59-78 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	31.2	41.9	42.5	43.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000	34.4	48.5	49.1	50.9	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	34.4	48.6	49.2	50.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 6000	34.4	48.6	49.2	50.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4000	34.4	48.6	49.2	50.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 2000	34.7	49.2	49.8	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 1000	36.6	52.8	53.4	55.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 900	36.9	53.3	54.1	56.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 800	41.5	59.2	60.7	63.3	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 700	42.7	61.0	62.4	65.2	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 600	43.1	62.6	64.0	66.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 500	44.6	64.9	66.3	69.1	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 450	45.0	65.5	67.2	70.0	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 400	47.9	71.3	73.1	76.3	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 350	49.9	74.5	76.5	79.7	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 300	53.3	79.4	81.4	84.6	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 250	54.6	81.4	84.0	87.4	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 200	55.6	83.9	86.5	90.6	93.8	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 180	56.0	84.6	87.2	91.3	94.5	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 150	56.5	85.3	88.2	92.3	95.6	95.6	96.1	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 120	56.6	85.5	88.4	92.9	96.2	96.2	97.0	97.1	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	57.5	86.6	89.8	94.3	97.8	97.8	98.8	99.1	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 90	57.5	86.6	89.8	94.3	98.0	98.0	99.0	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 80	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 70	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 60	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 40	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 30	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	57.5	86.6	89.8	94.3	98.1	98.1	99.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 689

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

34190 ILLESHEIM AAF DL 69-78 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥⅞	≥½	≥¼	0
NO CEILING	31.0	45.0	45.4	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 25000	38.1	56.2	56.6	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	38.1	56.2	56.6	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 18000	38.1	56.2	56.6	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	38.4	56.5	57.0	57.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	38.7	56.8	57.3	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	40.6	60.2	60.6	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 11000	41.3	61.0	61.6	62.7	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	45.0	65.9	66.7	68.3	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	48.3	71.0	71.8	73.4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	48.8	73.0	73.9	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	49.6	73.9	74.9	76.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 6500	50.2	75.0	76.0	77.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 6000	51.7	78.9	80.2	81.9	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5500	53.6	82.2	83.7	85.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 5000	57.3	86.6	88.0	89.9	91.5	91.5	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 4500	58.7	89.0	91.0	93.0	94.6	94.6	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 4000	59.2	89.9	92.0	94.1	95.7	95.7	95.7	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3500	59.2	90.1	92.2	94.3	95.8	95.8	95.8	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3000	59.2	90.2	92.5	94.6	96.2	96.2	96.2	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2500	60.2	91.4	93.8	96.0	97.6	97.6	97.6	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	60.3	91.7	94.1	96.3	97.9	97.9	98.1	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	60.3	91.7	94.2	96.5	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1600	60.3	91.7	94.2	96.5	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1400	60.3	91.7	94.2	96.5	98.2	98.2	99.0	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	60.3	91.7	94.2	96.5	98.4	98.4	99.2	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 625

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

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-70,76 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥	≥	≥	≥	≥	≥	≥	≥
NO CEILING	48.8	50.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	58.5	59.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	58.5	59.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	58.5	59.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000	58.5	59.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 12000	58.5	59.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	59.8	61.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000	59.8	61.0	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 8000	67.1	68.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	72.0	74.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	72.0	75.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	72.0	75.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	74.4	79.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	80.5	85.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	81.7	86.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	82.9	87.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2500	86.6	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000	86.6	93.9	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
≥ 1800	86.6	93.9	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
≥ 1500	86.6	93.9	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
≥ 1200	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 82

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

34190 ILLESHEIM AAF DL 69-78 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL HOURS

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	26.6	39.5	41.9	43.6	44.9	45.1	45.5	45.8	46.0	46.2	46.3	46.4	46.5	46.6	46.6	46.7	
≥ 20000	30.5	47.1	49.5	51.8	53.4	53.5	54.1	54.4	54.5	54.8	54.8	54.9	55.1	55.2	55.2	55.3	
≥ 8000	30.5	47.1	49.5	51.8	53.4	53.6	54.2	54.5	54.6	54.9	54.9	55.0	55.2	55.3	55.3	55.3	
≥ 6000	30.5	47.1	49.5	51.8	53.4	53.6	54.2	54.5	54.6	54.9	54.9	55.0	55.2	55.3	55.3	55.3	
≥ 4500	30.6	47.2	49.6	51.9	53.5	53.7	54.2	54.5	54.7	54.9	55.0	55.1	55.2	55.3	55.3	55.4	
≥ 3500	30.8	47.6	50.0	52.3	53.9	54.1	54.7	55.0	55.1	55.4	55.4	55.5	55.7	55.8	55.8	55.8	
≥ 3000	32.2	50.4	52.9	55.6	57.5	57.7	58.3	58.7	58.8	59.1	59.1	59.3	59.4	59.5	59.5	59.6	
≥ 2500	32.8	51.2	53.8	56.7	58.8	58.9	59.6	60.0	60.2	60.5	60.5	60.6	60.7	60.9	60.9	61.0	
≥ 2200	36.2	55.9	59.2	62.4	65.2	65.3	66.1	66.7	66.9	67.2	67.3	67.5	67.6	67.8	67.8	67.9	
≥ 2000	38.1	58.7	62.0	65.5	68.4	68.6	69.4	70.2	70.5	70.8	70.9	71.1	71.2	71.4	71.4	71.5	
≥ 1800	38.4	59.9	63.3	66.8	70.0	70.2	71.1	71.9	72.2	72.4	72.5	72.7	72.9	73.1	73.1	73.2	
≥ 1500	39.3	61.1	64.6	68.2	71.8	71.9	73.0	73.8	74.0	74.3	74.4	74.6	74.8	75.0	75.0	75.1	
≥ 1400	39.7	62.0	65.6	69.3	72.9	73.0	74.1	75.0	75.4	75.7	75.7	75.9	76.1	76.3	76.3	76.4	
≥ 1200	41.5	65.4	69.1	73.1	77.0	77.1	78.3	79.3	79.6	79.9	80.0	80.3	80.5	80.7	80.7	80.7	
≥ 1000	42.5	67.5	71.4	75.7	79.6	79.8	80.9	81.9	82.3	82.6	82.7	83.0	83.2	83.4	83.4	83.5	
≥ 900	44.7	70.7	74.8	79.3	83.5	83.7	85.0	86.1	86.5	86.8	86.9	87.2	87.5	87.7	87.7	87.8	
≥ 800	45.6	72.2	76.8	81.4	85.8	86.0	87.3	88.5	88.9	89.2	89.3	89.6	89.9	90.1	90.1	90.2	
≥ 700	46.1	73.6	78.3	83.2	87.9	88.1	89.8	91.1	91.4	91.8	91.9	92.2	92.5	92.7	92.7	92.8	
≥ 600	46.2	73.8	78.5	83.4	88.2	88.3	90.1	91.4	91.8	92.1	92.2	92.5	92.6	93.0	93.0	93.1	
≥ 500	46.5	74.4	79.3	84.2	89.1	89.3	91.2	92.5	92.9	93.5	93.6	93.9	94.2	94.4	94.4	94.5	
≥ 400	46.9	74.9	80.2	85.4	90.3	90.6	92.5	93.9	94.3	94.9	95.0	95.3	95.6	95.8	95.8	95.9	
≥ 300	47.4	75.7	81.1	86.4	91.5	91.7	93.9	95.4	95.8	96.4	96.5	96.9	97.1	97.4	97.4	97.4	
≥ 200	47.4	75.8	81.4	86.7	92.0	92.3	94.6	96.1	96.6	97.2	97.3	97.7	98.0	98.2	98.2	98.3	
≥ 100	47.5	75.9	81.6	86.9	92.4	92.7	95.0	96.6	97.0	97.7	97.8	98.2	98.5	98.7	98.7	98.8	
≥ 0	47.5	75.9	81.6	86.9	92.5	92.8	95.2	96.7	97.2	97.9	98.0	98.3	98.6	98.8	98.8	98.9	
	47.5	75.9	81.6	87.0	92.7	92.9	95.4	96.9	97.4	98.1	98.2	98.6	98.9	99.1	99.1	99.2	
	47.5	75.9	81.6	87.0	92.7	92.9	95.4	97.1	97.5	98.3	98.4	98.8	99.1	99.4	99.4	99.5	
	47.5	75.9	81.6	87.0	92.7	92.9	95.4	97.1	97.6	98.4	98.6	99.0	99.4	99.6	99.6	99.7	
	47.5	75.9	81.6	87.0	92.7	92.9	95.4	97.1	97.6	98.4	98.6	99.0	99.4	99.7	99.8	99.8	
	47.5	75.9	81.6	87.0	92.7	92.9	95.4	97.1	97.6	98.4	98.6	99.0	99.4	99.7	99.8	99.8	
	47.5	75.9	81.6	87.0	92.7	92.9	95.4	97.1	97.6	98.4	98.6	99.0	99.4	99.7	99.8	99.9	
	47.5	75.9	81.6	87.0	92.7	92.9	95.4	97.1	97.6	98.4	98.6	99.0	99.5	99.8	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 2805

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 69-78 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	11.4	20.2	23.5	25.9	30.1	30.1	32.6	35.3	36.3	39.2	40.1	40.9	42.0	43.4	44.3	45.5
≥ 20000	12.5	22.2	25.5	29.0	34.3	34.3	36.7	39.7	40.7	44.1	45.1	46.5	47.7	49.2	50.3	51.5
≥ 15000	12.5	22.2	25.5	29.0	34.4	34.4	36.9	39.8	40.9	44.3	45.2	46.6	47.8	49.4	50.5	51.7
> 10000	12.5	22.2	25.5	29.0	34.4	34.4	36.9	39.8	40.9	44.3	45.2	46.6	47.8	49.4	50.5	51.7
≥ 9000	12.5	22.2	25.5	29.0	34.4	34.4	36.9	39.8	40.9	44.3	45.2	46.6	47.8	49.4	50.5	51.7
≥ 7000	12.7	22.4	25.6	29.2	34.6	34.6	37.0	40.0	41.0	44.4	45.4	46.8	48.0	49.5	50.6	51.9
≥ 5000	13.6	24.1	27.3	30.9	36.3	36.3	38.7	41.7	42.7	46.6	47.5	48.9	50.3	51.9	52.9	54.2
≥ 4500	15.3	25.9	29.3	32.9	38.3	38.3	41.5	44.6	45.7	49.5	50.5	51.9	53.2	54.8	55.9	57.1
≥ 4000	18.1	30.2	34.1	38.5	45.1	45.1	48.3	51.7	52.8	57.1	58.0	59.4	60.8	62.3	63.7	65.1
> 3500	19.1	32.4	36.6	41.2	48.6	48.6	52.2	56.0	57.1	61.7	62.7	64.0	65.4	67.0	68.5	69.9
≥ 3500	19.9	33.6	37.8	43.1	51.7	51.7	55.4	59.4	60.5	65.3	66.2	67.6	69.0	70.5	72.1	73.8
≥ 3000	20.1	34.0	38.3	43.7	52.8	52.8	56.6	61.0	62.0	66.8	67.9	69.4	70.8	72.4	73.9	75.6
≥ 2500	20.1	34.3	38.9	44.6	54.2	54.2	58.2	62.5	63.6	68.4	69.4	71.0	72.4	73.9	75.5	77.2
≥ 2000	20.7	35.5	40.3	46.1	56.5	56.5	60.8	65.4	66.7	71.5	72.5	74.1	75.6	77.3	78.9	80.6
≥ 1800	21.3	36.3	41.2	47.1	57.4	57.4	61.7	66.4	67.6	72.7	73.8	75.6	77.2	79.2	80.7	82.4
≥ 1500	21.6	37.7	42.7	49.2	59.7	59.7	64.0	68.7	70.1	75.2	76.2	78.1	79.6	81.6	83.2	84.9
≥ 1200	21.6	38.0	43.4	50.0	61.9	61.9	66.2	71.0	72.4	77.5	78.5	80.4	81.9	84.0	85.5	87.2
≥ 1000	21.6	38.4	43.8	50.5	62.8	62.8	67.1	72.1	73.9	79.2	80.2	82.1	83.6	85.6	87.2	88.9
≥ 900	21.6	38.6	44.0	50.6	63.0	63.0	67.3	72.2	74.1	79.3	80.4	82.3	83.8	85.8	87.3	89.0
≥ 800	21.6	38.9	44.3	50.9	63.6	63.6	67.9	72.8	74.7	79.9	81.0	82.9	84.6	86.6	88.1	89.8
≥ 700	22.1	39.4	44.8	51.4	64.2	64.2	68.7	73.6	75.5	80.7	81.8	83.6	85.3	87.3	88.9	90.6
≥ 600	22.1	39.4	44.8	51.4	64.2	64.2	68.8	73.9	75.8	81.0	82.1	84.0	85.6	87.7	89.2	90.9
≥ 500	22.1	39.4	44.8	51.4	64.4	64.4	69.1	74.2	76.2	81.5	82.6	84.4	86.1	88.1	89.7	91.4
≥ 400	22.1	39.4	44.8	51.4	64.5	64.7	69.9	75.3	77.3	82.9	84.0	85.8	87.5	89.5	91.0	92.7
≥ 300	22.1	39.4	44.8	51.4	64.5	64.7	70.2	75.6	77.6	83.8	84.9	86.7	88.4	90.4	92.0	93.7
≥ 200	22.1	39.4	44.8	51.4	64.5	64.7	70.4	75.8	77.8	84.0	85.0	87.0	88.9	90.9	92.4	94.1
≥ 100	22.1	39.4	44.8	51.4	64.5	64.7	70.4	75.8	77.8	84.0	85.0	87.0	88.9	90.9	92.4	94.1
≥ 000	22.1	39.4	44.8	51.4	64.5	64.7	70.5	75.9	77.9	84.1	85.2	87.2	89.0	91.0	92.6	94.3
≥ 300	22.1	39.4	44.8	51.4	64.5	64.7	70.5	75.9	77.9	84.1	85.2	87.2	89.0	91.0	92.7	94.9
≥ 200	22.1	39.4	44.8	51.4	64.5	64.7	70.5	75.9	77.9	84.1	85.2	87.2	89.0	91.0	92.7	94.9
≥ 100	22.1	39.4	44.8	51.4	64.5	64.7	70.5	75.9	77.9	84.1	85.2	87.2	89.0	91.0	92.7	97.8
≥ 0	22.1	39.4	44.8	51.4	64.5	64.7	70.5	75.9	77.9	84.3	85.3	87.3	89.2	91.8	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 648

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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	17.4	25.0	29.5	32.2	36.5	36.7	39.2	41.4	42.0	42.5	42.5	42.8	42.8	42.8	43.0	43.0
≥ 20000	21.1	31.1	36.0	38.9	44.3	44.4	47.4	49.7	50.4	51.8	51.8	52.2	52.2	52.2	52.3	52.3
≥ 18000	21.1	31.1	36.0	38.9	44.3	44.4	47.4	49.7	50.4	51.8	51.8	52.2	52.2	52.2	52.3	52.3
≥ 16000	21.1	31.1	36.0	38.9	44.3	44.4	47.4	49.7	50.4	51.8	51.8	52.2	52.2	52.2	52.3	52.3
≥ 14000	21.1	31.1	36.1	39.2	44.6	44.7	47.7	50.0	50.7	52.0	52.0	52.5	52.5	52.5	52.6	52.6
≥ 12000	21.1	31.1	36.1	39.2	44.6	44.7	47.7	50.0	50.7	52.2	52.2	52.6	52.6	52.6	52.8	52.8
≥ 10000	21.5	32.0	37.1	40.2	45.8	45.9	49.0	51.5	52.2	53.7	53.7	54.1	54.1	54.1	54.2	54.2
≥ 9000	22.2	33.5	38.7	42.0	47.5	47.7	51.2	53.9	54.7	56.1	56.1	56.6	56.6	56.6	56.7	56.7
≥ 8000	26.0	38.6	44.7	48.7	55.7	55.8	59.5	62.6	63.3	64.9	64.9	65.4	65.4	65.4	65.5	65.5
≥ 7000	27.6	40.9	48.1	53.2	61.0	61.1	64.9	68.4	69.2	70.8	70.8	71.2	71.2	71.2	71.3	71.3
≥ 6000	29.2	43.3	50.6	55.8	63.6	63.7	67.5	71.1	71.8	73.5	73.5	74.0	74.0	74.0	74.1	74.1
≥ 5000	29.4	43.7	51.0	56.3	64.3	64.5	68.3	71.8	72.5	74.4	74.4	74.9	74.9	74.9	75.0	75.0
≥ 4500	30.1	44.7	52.2	57.7	65.9	66.1	70.0	73.5	74.3	76.2	76.2	76.6	76.6	76.6	76.8	76.8
≥ 4000	31.0	46.5	54.4	60.7	69.0	69.2	73.8	77.5	78.2	80.3	80.3	80.7	80.7	80.7	80.8	80.8
≥ 3500	31.4	47.1	55.0	61.7	70.5	70.6	75.3	78.9	79.7	82.2	82.2	82.6	82.6	82.6	82.7	82.7
≥ 3000	33.6	50.1	58.2	65.1	74.1	74.3	79.1	82.7	83.5	86.0	86.0	86.4	86.4	86.4	86.5	86.5
≥ 2500	34.1	50.7	58.8	66.1	75.3	75.4	80.3	83.9	84.8	87.3	87.3	87.7	87.7	87.7	87.9	87.9
≥ 2000	34.6	52.2	60.4	67.7	77.2	77.3	82.6	86.4	87.3	89.9	89.9	90.4	90.4	90.4	90.5	90.5
≥ 1800	34.4	52.2	60.4	67.7	77.2	77.3	82.6	86.4	87.4	90.1	90.1	90.5	90.5	90.5	90.6	90.6
≥ 1500	34.6	53.1	62.0	69.4	79.1	79.2	84.6	88.5	89.5	92.4	92.4	92.8	92.8	92.8	93.0	93.0
≥ 1200	34.9	53.7	62.7	70.3	80.4	80.6	86.1	90.4	91.4	94.3	94.3	94.7	94.7	94.7	94.9	94.9
≥ 1000	35.1	53.9	63.0	70.6	81.0	81.1	87.0	91.2	92.3	95.2	95.2	95.6	95.6	95.6	95.8	95.8
≥ 900	35.1	53.9	63.2	70.8	81.3	81.4	87.3	91.5	92.5	95.5	95.5	95.9	95.9	95.9	96.1	96.1
≥ 800	35.1	53.9	63.3	70.9	81.6	81.7	87.6	91.8	92.8	95.8	95.8	96.2	96.2	96.2	96.3	96.3
≥ 700	35.1	53.9	63.3	70.9	81.7	81.9	88.2	92.5	93.6	96.9	96.9	97.4	97.4	97.4	97.5	97.5
≥ 600	35.1	53.9	63.3	71.1	81.9	82.0	88.3	92.7	93.7	97.1	97.1	97.5	97.5	97.5	97.7	97.7
≥ 500	35.1	53.9	63.3	71.1	81.9	82.0	88.3	92.7	93.7	97.4	97.4	97.8	97.8	97.8	98.0	98.0
≥ 400	35.1	53.9	63.3	71.1	81.9	82.0	88.3	92.7	93.7	97.4	97.4	97.8	97.8	97.8	98.0	98.0
≥ 300	35.1	53.9	63.3	71.1	81.9	82.0	88.3	92.7	93.9	97.8	97.8	98.2	98.4	98.4	98.8	98.8
≥ 200	35.1	53.9	63.3	71.1	81.9	82.0	88.3	92.7	93.9	97.8	97.8	98.2	98.4	98.4	98.8	99.3
≥ 100	35.1	53.9	63.3	71.1	81.9	82.0	88.3	92.7	93.9	97.8	97.8	98.2	98.4	98.4	99.0	100.0
0	35.1	53.9	63.3	71.1	81.9	82.0	88.3	92.7	93.9	97.8	97.8	98.2	98.4	98.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 684

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34170 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-76 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	27.5	36.3	37.0	40.5	43.0	43.0	43.9	44.2	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3
≥ 20000	32.0	43.6	44.9	49.1	52.2	52.2	53.5	53.9	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.2
≥ 18000	32.2	43.9	45.2	49.4	52.5	52.5	53.8	54.2	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5
≥ 16000	32.2	43.9	45.2	49.4	52.5	52.5	53.8	54.2	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5
≥ 14000	32.2	43.9	45.2	49.4	52.5	52.5	53.8	54.2	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5
≥ 12000	32.3	44.0	45.3	49.6	52.6	52.6	53.9	54.4	54.5	54.5	54.5	54.5	54.7	54.7	54.7	54.7
≥ 10000	33.0	46.2	47.5	51.8	55.0	55.0	56.4	56.9	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2
≥ 9000	33.5	47.1	48.4	52.6	55.8	55.8	57.3	57.7	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0
≥ 8000	35.8	51.8	53.5	58.2	62.1	62.1	63.6	64.0	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 7000	38.3	57.2	59.5	64.8	68.7	68.7	70.2	70.6	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9
≥ 6000	39.5	59.1	61.7	67.4	71.5	71.5	73.1	73.7	73.8	73.8	73.8	73.8	74.0	74.0	74.0	74.0
≥ 5000	41.5	61.4	64.0	69.9	74.3	74.3	75.9	76.6	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9
≥ 4500	42.4	63.3	66.1	71.9	76.3	76.3	78.4	79.1	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4
≥ 4000	43.1	65.9	68.9	75.0	79.4	79.4	81.6	82.3	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
≥ 3500	44.0	67.5	70.9	77.0	81.4	81.4	83.6	84.4	84.5	84.8	84.9	84.9	85.1	85.1	85.1	85.1
≥ 3000	46.2	73.0	76.3	83.0	87.4	87.4	89.6	90.4	90.5	90.8	90.9	90.9	91.1	91.2	91.2	91.2
≥ 2500	46.9	74.0	77.5	84.4	88.7	88.7	90.9	91.7	91.8	92.1	92.3	92.3	92.4	92.5	92.5	92.5
≥ 2000	48.7	76.3	80.0	86.8	91.8	91.8	94.3	95.0	95.2	95.5	95.6	95.6	95.8	95.9	95.9	95.9
≥ 1800	48.8	76.5	80.1	87.0	92.1	92.1	94.6	95.3	95.5	95.8	95.9	95.9	96.1	96.2	96.2	96.2
≥ 1500	49.1	77.0	80.8	87.9	93.1	93.1	95.6	96.5	96.6	97.1	97.2	97.2	97.4	97.5	97.5	97.5
≥ 1200	49.6	78.2	82.2	89.2	94.4	94.4	97.1	98.0	98.1	98.5	98.7	98.7	98.8	99.0	99.0	99.0
≥ 1000	49.7	78.5	82.5	89.5	94.7	94.7	97.4	98.2	98.4	98.8	99.0	99.0	99.1	99.3	99.3	99.3
≥ 900	49.7	78.5	82.5	89.5	95.0	95.0	97.7	98.5	98.7	99.1	99.3	99.3	99.4	99.6	99.6	99.6
≥ 800	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.7	99.9	99.9	99.9
≥ 700	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.7	99.9	99.9	99.9
≥ 600	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.7	99.9	99.9	99.9
≥ 500	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.9	100.0	100.0	100.0
≥ 400	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.9	100.0	100.0	100.0
≥ 300	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.9	100.0	100.0	100.0
≥ 200	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.9	100.0	100.0	100.0
≥ 100	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.9	100.0	100.0	100.0
0	49.7	78.5	82.5	89.5	95.0	95.0	98.0	98.8	99.0	99.4	99.6	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 684

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-76 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3½	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥0
NO CEILING	31.1	43.1	44.3	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 20000	36.2	51.9	53.5	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	36.4	52.3	53.8	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 16000	36.4	52.3	53.8	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4000	36.4	52.3	53.8	56.6	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 1200	36.7	52.6	54.1	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	37.8	54.7	56.3	59.4	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	38.4	55.5	57.1	60.2	60.7	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	41.7	61.3	63.6	67.8	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	44.9	66.9	69.4	74.0	74.8	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 6000	46.3	69.5	72.6	77.9	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 5000	48.1	71.7	74.8	80.1	80.9	81.0	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 4500	48.2	72.3	75.4	80.7	82.0	82.1	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	49.9	75.4	78.5	84.0	85.2	85.4	85.8	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	50.9	77.4	80.9	86.3	87.6	87.7	88.2	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 3000	54.3	82.7	86.5	92.1	93.5	93.6	94.1	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	55.4	84.1	88.2	93.9	95.5	95.6	96.1	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2000	55.7	84.9	89.0	94.9	96.4	96.6	97.0	97.4	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	55.7	84.9	89.0	94.9	96.4	96.6	97.0	97.4	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	56.1	85.7	89.7	95.8	97.4	97.5	98.0	98.3	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	56.3	86.0	90.0	96.0	97.8	98.0	98.6	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	56.3	86.0	90.0	96.0	97.8	98.0	98.9	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 643

USAF ETAC FORM NO. 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF OL STATION NAME | 69-70,75-76 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥¾	≥⅝	≥½	≥0
NO CEILING	45.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	48.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000	48.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000	48.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	48.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	48.4	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10000	51.6	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
≥ 9000	51.6	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
≥ 8000	54.1	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	57.4	66.4	67.2	68.0	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	63.9	73.8	75.4	76.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	63.9	74.6	76.2	77.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 4500	63.9	74.6	77.0	77.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4000	65.6	76.2	78.7	79.5	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	66.4	77.0	80.3	81.1	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	72.1	83.6	87.7	88.5	91.0	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 2500	73.0	86.1	91.0	91.8	94.3	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000	73.0	86.1	91.0	92.6	95.1	95.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	73.0	86.1	91.0	92.6	95.1	95.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	73.8	86.9	91.8	93.4	95.9	95.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	73.8	86.9	91.8	93.4	95.9	95.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	73.8	86.9	91.8	93.4	95.9	95.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900	73.8	86.9	91.8	93.4	95.9	95.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	75.4	88.5	93.4	95.1	97.5	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.2	89.3	94.3	95.9	98.4	98.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 122

USAF ETAC FORM JUL 64 0-14-S (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) SEP (MONTH)

ALL (HOURS L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	23.5	32.4	34.7	37.2	39.9	39.9	41.3	42.5	42.8	43.6	43.8	44.1	44.3	44.6	44.9	45.2
≥ 20000	27.0	38.1	40.7	43.9	47.2	47.2	48.7	50.1	50.5	51.6	51.8	52.2	52.5	52.8	53.1	53.4
≥ 18000	27.0	38.2	40.8	44.0	47.3	47.4	48.9	50.2	50.7	51.7	51.9	52.3	52.7	53.0	53.3	53.5
≥ 16000	27.0	38.2	40.8	44.0	47.3	47.4	48.9	50.2	50.7	51.7	51.9	52.3	52.7	53.0	53.3	53.5
≥ 14000	27.0	38.2	40.9	44.1	47.4	47.4	49.0	50.3	50.7	51.8	52.0	52.4	52.7	53.1	53.3	53.6
≥ 12000	27.2	38.4	41.0	44.2	47.6	47.6	49.2	50.5	50.9	52.0	52.2	52.6	52.9	53.3	53.5	53.8
≥ 10000	28.1	40.2	42.9	46.1	49.5	49.6	51.2	52.6	53.0	54.2	54.4	54.8	55.2	55.5	55.8	56.0
≥ 9000	28.9	41.3	44.1	47.4	50.8	50.9	52.8	54.2	54.7	55.9	56.1	56.5	56.8	57.2	57.5	57.7
≥ 8000	32.8	47.0	50.4	54.4	58.7	58.8	60.8	62.4	62.8	64.2	64.4	64.8	65.1	65.5	65.8	66.1
≥ 7000	35.0	50.8	54.7	59.3	64.0	64.1	66.2	68.0	68.5	69.9	70.1	70.5	70.8	71.2	71.6	71.9
≥ 6000	36.8	53.2	57.4	62.5	67.6	67.7	69.9	71.7	72.2	73.7	73.9	74.3	74.6	75.0	75.3	75.7
≥ 5000	37.5	54.5	58.8	63.9	69.2	69.3	71.6	73.6	74.0	75.5	75.8	76.2	76.6	76.9	77.3	77.7
≥ 4500	38.0	55.5	59.9	65.2	70.8	70.8	73.3	75.3	75.7	77.3	77.5	77.9	78.3	78.6	79.0	79.4
≥ 4000	39.1	57.6	62.2	67.8	73.6	73.7	76.4	78.6	79.1	80.6	80.8	81.3	81.7	82.0	82.4	82.8
≥ 3500	39.7	58.8	63.6	69.3	75.2	75.3	78.0	80.2	80.7	82.5	82.8	83.3	83.7	84.1	84.5	84.9
≥ 3000	42.0	62.7	67.7	73.8	79.8	79.8	82.6	84.8	85.3	87.2	87.4	87.9	88.3	88.8	89.2	89.6
≥ 2500	42.5	63.5	68.7	75.1	81.4	81.5	84.3	86.5	87.1	88.9	89.2	89.7	90.1	90.5	90.9	91.3
≥ 2000	43.2	64.7	70.0	76.4	83.1	83.1	86.2	88.4	89.1	91.1	91.4	91.9	92.3	92.7	93.1	93.5
≥ 1800	43.2	64.8	70.0	76.5	83.2	83.2	86.3	88.5	89.2	91.2	91.5	92.0	92.4	92.9	93.3	93.6
≥ 1500	43.4	65.4	70.8	77.4	84.2	84.3	87.4	89.7	90.4	92.5	92.7	93.3	93.7	94.1	94.5	94.9
≥ 1200	43.7	66.0	71.5	78.0	85.1	85.2	88.4	90.8	91.5	93.6	93.8	94.3	94.8	95.2	95.6	96.0
≥ 1000	43.8	66.1	71.6	78.2	85.3	85.4	88.7	91.2	91.9	94.0	94.2	94.8	95.2	95.6	96.0	96.4
≥ 900	43.8	66.1	71.7	78.2	85.5	85.5	88.9	91.4	92.1	94.2	94.5	95.0	95.4	95.9	96.3	96.6
≥ 800	43.9	66.2	71.8	78.3	85.6	85.7	89.3	91.8	92.6	94.7	95.0	95.5	95.9	96.4	96.8	97.2
≥ 700	43.9	66.2	71.8	78.3	85.7	85.8	89.6	92.1	92.9	95.3	95.5	96.1	96.5	97.0	97.3	97.7
≥ 600	43.9	66.2	71.8	78.4	85.7	85.9	89.7	92.3	93.0	95.4	95.7	96.2	96.7	97.2	97.5	97.9
≥ 500	43.9	66.2	71.8	78.4	85.8	85.9	89.9	92.5	93.2	95.7	96.0	96.5	97.0	97.5	97.8	98.2
≥ 400	43.9	66.2	71.8	78.4	85.8	85.9	90.0	92.5	93.3	95.7	96.0	96.5	97.0	97.5	97.9	98.3
≥ 300	43.9	66.2	71.8	78.4	85.8	85.9	90.0	92.5	93.3	95.8	96.1	96.6	97.2	97.6	98.1	98.6
≥ 200	43.9	66.2	71.8	78.4	85.8	85.9	90.0	92.5	93.3	95.8	96.1	96.6	97.2	97.6	98.1	98.7
≥ 100	43.9	66.2	71.8	78.4	85.8	85.9	90.0	92.5	93.3	95.8	96.1	96.6	97.2	97.6	98.2	99.5
≥ 0	43.9	66.2	71.8	78.4	85.8	85.9	90.0	92.5	93.3	95.9	96.1	96.7	97.2	97.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 59-76 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	4.5	13.0	15.2	16.9	19.4	19.5	21.1	22.5	23.3	24.2	24.8	25.3	25.9	27.4	27.6	29.5
≥ 20000	6.2	15.5	17.7	19.4	22.0	22.2	23.7	25.1	25.9	27.0	27.8	28.2	28.8	31.0	31.2	33.6
≥ 18000	6.2	15.5	17.7	19.4	22.0	22.2	23.7	25.1	25.9	27.0	27.8	28.2	28.8	31.0	31.2	33.6
≥ 16000	6.2	15.5	17.7	19.4	22.0	22.2	23.7	25.1	25.9	27.0	27.8	28.2	28.8	31.0	31.2	33.6
≥ 14000	6.4	15.7	17.8	19.5	22.2	22.3	23.9	25.3	26.0	27.1	27.9	28.4	29.0	31.2	31.3	33.8
≥ 12000	6.4	15.7	17.8	19.5	22.2	22.3	23.9	25.3	26.0	27.1	27.9	28.4	29.0	31.2	31.3	33.8
≥ 10000	6.5	16.4	18.6	20.3	23.1	23.3	24.8	26.2	27.1	28.2	29.0	29.5	30.1	32.2	32.4	34.9
≥ 9000	6.7	16.7	18.9	20.6	23.7	23.9	25.4	26.8	27.8	28.8	29.6	30.1	30.7	32.9	33.0	35.5
≥ 8000	8.2	19.1	21.7	23.5	26.8	27.0	28.8	30.2	31.2	32.2	33.0	33.6	34.6	36.7	37.1	39.8
≥ 7000	9.9	21.2	24.0	26.0	29.5	29.6	31.5	33.0	34.0	35.2	36.0	36.6	37.5	39.7	40.0	42.6
≥ 6000	10.7	22.2	25.0	27.0	30.7	30.9	33.2	34.7	35.7	36.9	37.7	38.3	39.2	41.4	41.7	44.5
≥ 5000	11.2	23.1	26.7	29.0	32.9	33.0	35.3	36.9	37.8	39.1	39.8	40.5	41.4	43.6	44.0	46.8
≥ 4500	11.3	23.9	27.9	30.4	34.3	34.4	36.7	38.3	39.2	40.5	41.2	41.9	42.8	45.0	45.4	48.2
≥ 4000	12.2	25.1	29.3	32.1	36.6	36.7	39.2	40.9	41.9	43.6	44.3	45.1	46.0	48.5	49.0	51.8
≥ 3500	13.0	26.4	32.1	35.8	40.9	41.1	43.6	45.4	46.4	48.1	49.0	49.8	50.7	53.2	53.6	56.4
≥ 3000	14.3	29.3	35.2	39.5	45.9	46.0	48.8	51.3	52.2	54.6	55.5	56.3	57.2	59.8	60.3	63.1
≥ 2500	16.1	31.5	37.8	43.3	49.9	50.1	53.0	55.5	56.4	58.8	59.7	60.5	61.4	64.0	64.5	67.3
≥ 2000	16.6	32.4	39.4	45.1	51.9	52.1	55.2	58.6	59.5	62.2	63.1	64.0	65.1	67.9	68.4	71.2
≥ 1800	16.9	32.7	39.7	45.4	52.4	52.6	55.8	59.2	60.2	62.8	63.7	64.7	65.7	68.5	69.0	71.8
≥ 1500	17.2	34.3	41.4	47.3	55.5	55.7	59.1	62.5	63.4	66.0	67.0	67.9	69.0	71.8	72.2	75.0
≥ 1200	17.2	34.7	42.0	48.1	56.9	57.1	60.5	64.2	65.3	68.1	69.0	69.9	71.2	74.0	74.4	77.2
≥ 1000	17.2	35.8	43.6	49.8	59.1	59.2	63.1	67.1	68.2	71.6	72.6	74.0	75.2	78.0	78.4	81.2
≥ 900	17.2	35.8	43.6	49.8	59.7	59.8	63.9	68.1	69.1	72.7	73.8	75.2	76.4	79.2	79.7	82.5
≥ 800	17.2	35.8	43.6	49.8	60.5	60.6	64.7	69.0	70.1	74.0	75.0	76.4	77.7	80.5	80.9	83.7
≥ 700	17.2	35.8	43.6	49.8	60.6	60.8	64.8	69.5	70.5	74.6	75.7	77.1	78.6	81.4	81.9	84.7
≥ 600	17.2	35.8	43.6	49.8	60.8	60.9	65.0	69.6	71.0	75.3	76.4	77.8	79.5	82.5	82.9	85.7
≥ 500	17.2	35.8	43.6	49.8	60.8	60.9	65.1	69.8	71.3	76.1	77.4	78.8	80.6	83.6	84.0	86.8
≥ 400	17.2	35.8	43.6	49.8	60.8	60.9	65.6	70.4	71.9	77.1	78.3	79.7	81.6	84.7	85.3	88.1
≥ 300	17.2	35.8	43.6	49.8	60.8	60.9	65.6	70.4	71.9	77.8	79.1	81.1	82.9	86.4	87.0	90.4
≥ 200	17.2	35.8	43.6	49.8	60.8	60.9	65.6	70.4	71.9	78.0	79.2	81.4	83.6	87.0	87.6	93.6
≥ 100	17.2	35.8	43.6	49.8	60.8	60.9	65.6	70.4	71.9	78.0	79.2	81.4	83.6	87.3	88.4	98.4
≥ 0	17.2	35.8	43.6	49.8	60.8	60.9	65.6	70.4	71.9	78.0	79.2	81.4	83.7	87.4	88.5	100.0

TOTAL NUMBER OF OBSERVATIONS 645

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	7.4	14.7	16.5	19.2	23.1	23.3	24.6	25.5	26.0	26.6	26.7	26.7	27.0	27.5	27.5	27.9
≥ 20000	10.5	19.5	21.3	24.3	28.5	28.7	30.8	31.7	32.1	32.9	33.0	33.0	33.3	33.8	34.1	34.7
≥ 8000	10.5	19.5	21.3	24.3	28.5	28.7	30.8	31.7	32.1	32.9	33.0	33.0	33.3	33.8	34.1	34.7
≥ 6000	10.5	19.5	21.3	24.3	28.5	28.7	30.8	31.7	32.1	32.9	33.0	33.0	33.3	33.8	34.1	34.7
≥ 4500	10.7	19.7	21.5	24.5	28.7	28.8	30.9	31.8	32.3	33.0	33.2	33.2	33.5	33.9	34.2	34.8
≥ 4000	10.7	19.7	21.5	24.5	28.7	28.8	30.9	31.8	32.3	33.0	33.2	33.2	33.5	33.9	34.2	34.8
≥ 3500	11.0	20.3	22.1	25.1	29.3	29.4	31.5	32.4	32.9	33.8	33.9	33.9	34.2	34.7	35.0	35.6
≥ 3000	11.1	20.4	22.2	25.2	29.6	29.7	31.8	32.7	33.2	34.1	34.2	34.2	34.5	35.0	35.3	35.9
≥ 2500	12.3	22.4	24.8	27.9	33.0	33.2	35.4	36.5	36.9	37.8	38.0	38.0	38.3	38.9	39.2	39.8
≥ 2000	14.0	24.8	27.3	30.5	36.3	36.5	38.9	39.9	40.4	41.3	41.4	41.4	41.7	42.3	42.6	43.2
≥ 1800	14.9	25.7	28.4	31.7	37.8	38.0	40.7	41.7	42.2	43.2	43.4	43.4	43.8	44.4	44.7	45.3
≥ 1500	15.6	27.2	30.2	33.9	40.1	40.2	43.4	44.4	44.9	45.9	46.1	46.1	46.5	47.1	47.4	48.0
≥ 1200	16.1	27.9	30.9	34.7	40.8	41.0	44.3	45.3	45.8	46.8	47.0	47.0	47.6	48.2	48.5	49.1
≥ 1000	16.5	29.0	32.3	36.0	42.2	42.3	45.6	46.7	47.1	48.3	48.5	48.6	49.2	50.0	50.3	50.9
≥ 900	17.6	31.1	34.7	39.2	45.8	45.9	49.7	50.8	51.4	52.7	53.0	53.2	53.8	54.5	54.8	55.4
≥ 800	19.1	33.6	37.4	42.6	50.5	50.6	55.1	56.6	57.5	59.3	59.6	59.8	60.4	61.1	61.4	62.0
≥ 700	20.7	36.5	41.0	46.4	54.7	54.8	59.6	61.4	62.3	64.1	64.4	64.6	65.2	65.9	66.2	66.8
≥ 600	22.5	38.6	43.1	48.9	57.7	57.8	63.1	65.3	66.4	68.2	68.5	68.6	69.2	70.0	70.3	70.9
≥ 500	23.0	39.5	44.0	50.0	58.7	58.9	64.1	66.4	67.4	69.5	70.0	70.1	70.7	71.5	71.8	72.4
≥ 400	23.1	39.6	44.4	50.8	60.4	60.5	66.2	68.6	69.7	71.8	72.2	72.4	73.0	73.7	74.0	74.6
≥ 300	23.9	41.0	46.4	52.9	63.2	63.4	69.8	72.5	73.6	75.8	76.3	76.4	77.2	77.9	78.2	78.8
≥ 200	24.6	42.3	48.0	55.0	66.2	66.4	73.7	76.9	77.9	80.6	81.1	81.2	82.4	83.2	83.5	84.1
≥ 100	24.6	42.5	48.5	55.6	67.6	67.7	75.1	78.4	79.4	82.4	82.9	83.0	84.2	85.0	85.3	85.9
≥ 0	24.6	42.5	48.5	55.6	68.2	68.3	76.1	79.4	80.6	84.2	84.8	85.0	86.3	87.1	87.4	88.0
	24.6	42.5	48.5	55.6	68.3	68.5	77.0	80.5	81.8	85.4	86.0	86.3	87.7	88.4	88.7	89.3
	24.6	42.5	48.5	55.6	68.5	68.6	77.2	81.2	82.9	86.6	87.2	87.5	88.9	89.6	89.9	90.5
	24.6	42.5	48.5	55.6	68.5	68.6	77.5	82.1	83.8	88.0	88.6	89.0	90.7	91.4	91.7	92.3
	24.6	42.5	48.5	55.5	68.5	68.6	77.6	82.6	84.4	89.5	90.7	91.7	93.7	94.4	94.7	95.5
	24.6	42.5	48.5	55.6	68.5	68.6	77.6	82.6	84.4	90.1	91.1	92.3	94.4	95.6	96.1	97.3
	24.6	42.5	48.5	55.6	68.5	68.6	77.6	82.6	84.4	90.2	91.3	92.5	94.6	96.2	96.7	98.8
	24.6	42.5	48.5	55.6	68.5	68.6	77.6	82.6	84.4	90.2	91.3	92.5	94.6	96.2	96.7	99.7
	24.6	42.5	48.5	55.6	68.5	68.6	77.6	82.6	84.4	90.2	91.3	92.5	94.6	96.4	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 666

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

34190 ILLESHEIM AAF DL 69-78 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	9.7	22.5	25.9	29.9	33.6	33.6	34.7	35.0	35.1	35.3	35.3	35.3	35.3	35.3	35.3
≥ 20000	13.1	27.8	32.1	36.8	40.8	40.8	42.0	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	13.1	27.8	32.1	36.8	40.8	40.8	42.0	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6
≥ 16000	13.1	27.8	32.1	36.8	40.8	40.8	42.0	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000	13.1	27.8	32.1	36.8	40.8	40.8	42.0	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000	13.1	27.8	32.1	36.8	40.8	40.8	42.0	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000	13.7	28.4	33.0	37.6	41.7	41.7	42.9	43.2	43.3	43.5	43.5	43.5	43.5	43.5	43.5
≥ 9000	14.3	29.0	33.6	38.2	42.3	42.3	43.5	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0
≥ 8000	17.3	33.3	39.0	43.9	48.4	48.4	49.6	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1
≥ 7000	19.5	36.3	42.0	47.2	51.8	51.8	53.0	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	20.2	37.5	43.3	48.5	53.1	53.1	54.5	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000	21.3	38.7	44.5	49.9	54.8	54.8	56.3	56.5	56.7	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4500	22.0	39.6	45.4	50.9	55.8	55.8	57.3	57.6	57.7	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4000	23.7	42.0	48.1	53.6	58.6	58.8	60.4	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3500	25.0	44.5	50.9	56.7	62.8	62.9	64.6	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3000	27.5	48.7	55.2	61.5	69.0	69.2	71.1	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2500	30.4	52.2	59.1	66.5	74.6	74.7	76.8	77.4	77.5	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2000	31.7	54.0	60.9	68.8	77.7	77.8	80.4	81.1	81.3	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	32.0	54.5	61.3	69.2	78.4	78.6	81.1	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	33.3	56.3	63.1	71.1	81.4	81.5	85.0	86.0	86.2	86.5	86.6	86.6	86.6	86.6	86.6
≥ 1200	34.1	57.7	64.7	73.4	84.8	85.0	89.0	90.0	90.5	90.8	90.9	90.9	91.1	91.1	91.1
≥ 1000	35.4	59.4	66.5	75.3	87.9	88.1	92.6	93.6	94.0	94.6	94.8	94.8	95.1	95.1	95.1
≥ 900	35.6	59.8	67.0	76.0	89.4	89.6	94.0	95.2	95.7	96.3	96.4	96.4	96.7	96.7	96.7
≥ 800	35.6	60.0	67.1	76.2	89.6	89.7	94.3	95.7	96.1	96.7	96.9	96.9	97.2	97.2	97.2
700	35.6	60.0	67.1	76.2	89.6	89.7	94.8	96.1	96.6	97.2	97.3	97.3	97.6	97.6	97.6
≥ 600	35.6	60.0	67.1	76.2	89.6	89.7	94.9	96.6	97.2	97.8	97.9	97.9	98.2	98.2	98.2
≥ 500	35.6	60.0	67.1	76.2	89.6	89.7	94.9	96.6	97.3	98.1	98.2	98.2	98.7	98.7	98.7
≥ 400	35.6	60.0	67.1	76.2	89.6	89.7	95.1	96.7	97.5	98.7	98.8	98.8	99.6	99.6	99.6
≥ 300	35.6	60.0	67.1	76.2	89.6	89.7	95.1	96.7	97.5	98.7	98.8	98.8	99.7	99.7	99.7
≥ 200	35.6	60.0	67.1	76.2	89.6	89.7	95.1	96.7	97.5	98.7	98.8	98.8	99.7	100.0	100.0
≥ 100	35.6	60.0	67.1	76.2	89.6	89.7	95.1	96.7	97.5	98.7	98.8	98.8	99.7	100.0	100.0
≥ 0	35.6	60.0	67.1	76.2	89.6	89.7	95.1	96.7	97.5	98.7	98.8	98.8	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 672

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 59-78 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING	15.8	31.4	34.1	36.2	38.2	38.2	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.9	39.9	
≥ 22000	18.3	37.6	40.5	43.8	46.5	46.5	47.5	48.3	48.3	48.3	48.3	48.3	48.3	48.6	48.6	
≥ 8000	18.8	38.3	41.3	44.6	47.2	47.2	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.3	49.3	
≥ 6000	18.8	38.3	41.3	44.6	47.2	47.2	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.3	49.3	
≥ 5000	18.8	38.3	41.3	44.6	47.2	47.2	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.3	49.3	
≥ 3000	18.8	38.5	41.4	44.7	47.4	47.4	48.4	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5	
≥ 10000	19.2	39.0	42.3	45.8	48.4	48.4	49.5	50.4	50.4	50.4	50.4	50.4	50.4	50.7	50.7	
≥ 9000	19.7	39.6	42.9	46.3	49.0	49.0	50.1	51.0	51.0	51.0	51.0	51.0	51.0	51.3	51.3	
≥ 8000	22.7	44.6	48.1	52.2	55.4	55.4	56.5	57.4	57.4	57.4	57.4	57.4	57.4	57.7	57.7	
≥ 7000	24.9	47.4	51.0	55.3	58.6	58.6	59.6	60.5	60.5	60.5	60.5	60.5	60.5	60.8	60.8	
≥ 6000	26.4	49.3	53.4	57.8	61.3	61.3	62.3	63.2	63.2	63.2	63.2	63.2	63.2	63.5	63.5	
≥ 5000	27.3	50.4	54.7	59.2	62.6	62.6	63.9	64.8	64.8	64.8	64.8	64.8	64.8	65.1	65.1	
≥ 4500	27.7	51.4	55.9	60.4	63.8	63.8	65.4	66.3	66.3	66.3	66.3	66.3	66.3	66.6	66.6	
≥ 4000	31.1	55.1	59.8	64.5	68.0	68.0	69.6	70.5	70.6	70.6	70.6	70.6	70.6	70.9	70.9	
≥ 3500	32.8	57.7	63.5	68.7	72.4	72.4	74.4	75.3	75.6	75.6	75.6	75.6	75.6	75.9	75.9	
≥ 3000	34.4	61.3	67.7	73.6	77.8	77.8	80.0	80.9	81.2	81.4	81.4	81.4	81.4	81.7	81.7	
≥ 2500	35.8	63.2	69.6	76.3	80.9	80.9	83.2	84.1	84.4	84.5	84.5	84.5	84.5	84.8	84.8	
≥ 2000	36.8	64.7	71.2	78.1	83.6	83.6	86.4	87.3	87.6	87.9	87.9	87.9	87.9	88.2	88.2	
≥ 1800	37.1	65.0	71.7	78.7	84.4	84.4	87.6	88.5	88.8	89.1	89.1	89.1	89.1	89.4	89.4	
≥ 1500	37.7	66.0	72.9	80.0	86.7	86.7	90.2	91.2	91.7	92.1	92.1	92.1	92.1	92.4	92.4	
≥ 1200	38.2	66.5	73.3	81.7	88.8	88.8	92.3	93.3	93.7	94.5	94.5	94.6	94.6	94.9	94.9	
≥ 1000	38.5	66.9	73.8	82.7	90.0	90.0	94.0	95.1	95.5	96.4	96.4	96.6	96.6	96.9	96.9	
≥ 900	38.5	66.9	73.8	82.9	90.6	90.6	94.6	95.7	96.1	97.0	97.0	97.2	97.2	97.5	97.5	
≥ 800	38.6	67.4	74.4	83.6	91.4	91.5	95.7	96.7	97.2	98.1	98.1	98.2	98.2	98.5	98.5	
≥ 700	38.6	67.5	74.5	83.9	91.7	91.8	96.0	97.0	97.5	98.5	98.5	98.7	98.7	99.0	99.0	
≥ 600	38.6	67.5	74.5	83.9	91.7	91.8	96.1	97.3	97.8	98.8	98.8	99.0	99.0	99.3	99.3	
≥ 500	38.6	67.5	74.5	83.9	91.7	91.8	96.1	97.3	97.8	99.3	99.3	99.4	99.4	99.7	99.7	
≥ 400	38.6	67.5	74.5	83.9	91.8	92.0	96.3	97.5	97.9	99.6	99.6	99.7	99.7	99.7	100.0	100.0
≥ 300	38.6	67.5	74.5	83.9	91.8	92.0	96.3	97.5	97.9	99.6	99.6	99.7	99.7	99.7	100.0	100.0
≥ 200	38.6	67.5	74.5	83.9	91.8	92.0	96.3	97.5	97.9	99.6	99.6	99.7	99.7	99.7	100.0	100.0
≥ 100	38.6	67.5	74.5	83.9	91.8	92.0	96.3	97.5	97.9	99.6	99.6	99.7	99.7	99.7	100.0	100.0
≥ 0	38.6	67.5	74.5	83.9	91.8	92.0	96.3	97.5	97.9	99.6	99.6	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 671

USAF ETAC FORM AUG 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3419? ILLESHEIM AAF DL 69-70,73,76 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	20.7	26.8	32.9	41.5	42.7	43.9	43.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 8000	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 6000	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4000	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3500	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 3000	23.2	29.3	35.4	48.8	51.2	53.7	53.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 2500	24.4	30.5	36.6	50.0	53.7	56.1	56.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 2000	28.0	35.4	41.5	54.9	58.5	61.0	61.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 1800	30.5	37.8	45.1	58.5	62.2	64.6	64.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 1500	31.7	39.0	46.3	62.2	65.9	68.3	68.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1200	31.7	39.0	46.3	62.2	65.9	68.3	68.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1000	35.4	43.9	51.2	67.1	70.7	73.2	73.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 900	37.8	46.3	53.7	69.5	73.2	75.6	75.6	78.0	78.0	78.0	79.3	79.3	79.3	79.3	79.3
≥ 800	37.8	46.3	53.7	69.5	73.2	75.6	75.6	78.0	78.0	78.0	79.3	79.3	79.3	79.3	79.3
≥ 700	39.0	47.6	54.9	70.7	75.6	78.0	78.0	80.5	80.5	80.5	81.7	81.7	81.7	81.7	81.7
≥ 600	40.2	50.0	57.3	74.4	81.7	84.1	84.1	86.6	86.6	86.6	87.8	87.8	87.8	87.8	87.8
≥ 500	43.9	53.7	61.0	78.0	85.4	87.8	87.8	90.2	90.2	90.2	91.5	91.5	91.5	91.5	91.5
≥ 400	46.3	56.1	63.4	80.5	87.8	90.2	90.2	93.9	93.9	93.9	95.1	95.1	95.1	95.1	95.1
≥ 300	46.3	57.3	64.6	82.9	90.2	92.7	92.7	96.3	96.3	96.3	97.6	97.6	97.6	97.6	97.6
≥ 200	46.3	57.3	65.9	84.1	92.7	95.1	95.1	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0
≥ 100	46.3	57.3	65.9	84.1	92.7	95.1	95.1	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0
≥ 0	46.3	57.3	65.9	84.1	92.7	95.1	95.1	98.8	98.8	98.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 82

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34198 ILLESHEIM AAF DL 69-78 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	9.6	20.5	23.2	26.1	29.0	29.1	30.4	31.1	31.5	31.9	32.3	32.4	32.6	33.1	33.2	33.8
≥ 20000	12.3	25.1	28.1	31.6	35.0	35.1	36.5	37.4	37.8	38.2	38.6	38.8	39.0	39.6	39.8	40.5
≥ 18000	12.4	25.3	28.3	31.8	35.1	35.3	36.7	37.6	38.0	38.4	38.8	38.9	39.2	39.8	40.0	40.7
≥ 16000	12.4	25.3	28.3	31.8	35.1	35.3	36.7	37.6	38.0	38.4	38.8	38.9	39.2	39.8	40.0	40.7
≥ 14000	12.5	25.4	28.3	31.9	35.2	35.3	36.8	37.6	38.0	38.5	38.9	39.0	39.3	39.9	40.1	40.8
≥ 12000	12.5	25.4	28.4	31.9	35.2	35.4	36.8	37.7	38.1	38.5	38.9	39.0	39.3	39.9	40.1	40.8
≥ 10000	12.9	26.0	29.1	32.7	36.1	36.2	37.7	38.5	39.0	39.5	39.9	40.0	40.2	40.9	41.0	41.8
≥ 9000	13.2	26.4	29.5	33.1	36.6	36.7	38.2	39.0	39.5	40.0	40.4	40.5	40.7	41.4	41.5	42.3
≥ 8000	15.3	29.7	33.4	37.3	41.3	41.4	43.0	43.9	44.3	44.8	45.2	45.3	45.7	46.3	46.5	47.3
≥ 7000	17.3	32.3	36.1	40.2	44.4	44.5	46.1	47.1	47.5	48.1	48.5	48.6	48.9	49.6	49.8	50.6
≥ 6000	18.3	33.6	37.6	41.7	46.1	46.3	48.1	49.0	49.5	50.1	50.5	50.6	51.0	51.6	51.8	52.6
≥ 5000	19.1	34.8	39.1	43.5	48.0	48.2	50.2	51.1	51.6	52.2	52.6	52.7	53.1	53.7	54.0	54.8
≥ 4500	19.6	35.6	40.1	44.5	49.1	49.2	51.4	52.3	52.7	53.3	53.7	53.9	54.3	54.9	55.2	56.0
≥ 4000	21.2	37.8	42.4	47.1	51.8	52.0	54.2	55.2	55.6	56.4	56.8	57.0	57.4	58.1	58.4	59.2
≥ 3500	22.5	39.9	45.3	50.6	55.8	56.0	58.4	59.5	60.1	60.8	61.3	61.5	61.9	62.7	62.9	63.7
≥ 3000	24.1	43.1	48.8	54.6	61.0	61.1	63.9	65.3	65.9	67.0	67.5	67.7	68.1	68.9	69.2	70.0
≥ 2500	26.0	45.6	51.7	58.3	65.1	65.3	68.2	69.6	70.3	71.4	71.9	72.1	72.5	73.3	73.5	74.3
≥ 2000	27.2	47.2	53.5	60.4	67.9	68.1	71.4	73.2	73.9	75.0	75.6	75.8	76.2	77.1	77.3	78.1
≥ 1800	27.6	47.8	54.1	61.1	68.7	68.9	72.4	74.2	74.8	76.1	76.6	76.9	77.3	78.2	78.4	79.2
≥ 1500	28.3	49.0	55.4	62.6	71.2	71.4	75.3	77.3	77.9	79.2	79.8	80.1	80.5	81.3	81.6	82.4
≥ 1200	28.7	49.9	56.6	64.3	73.6	73.8	78.0	80.2	81.0	82.5	83.0	83.3	83.9	84.7	85.0	85.8
≥ 1000	29.3	51.0	57.9	66.0	76.1	76.2	81.0	83.4	84.2	86.0	86.6	87.0	87.7	88.5	88.8	89.6
≥ 900	29.3	51.1	58.1	66.4	77.0	77.2	82.0	84.5	85.3	87.3	87.9	88.3	89.0	89.8	90.0	90.8
≥ 800	29.4	51.3	58.3	66.6	77.7	77.9	82.9	85.4	86.3	88.4	89.1	89.5	90.2	91.0	91.3	92.1
≥ 700	29.4	51.3	58.3	66.7	77.9	78.2	83.4	86.1	87.0	89.2	89.9	90.3	91.1	91.9	92.2	93.0
≥ 600	29.4	51.3	58.3	66.7	78.1	78.3	83.6	86.6	87.6	89.9	90.6	91.0	91.9	92.7	93.0	93.8
≥ 500	29.4	51.3	58.3	66.7	78.1	78.3	83.7	86.8	87.9	90.6	91.3	91.8	92.8	93.6	93.9	94.7
≥ 400	29.4	51.3	58.3	66.7	78.1	78.3	84.0	87.1	88.3	91.5	92.2	92.9	94.0	94.9	95.2	96.0
≥ 300	29.4	51.3	58.3	66.7	78.1	78.3	84.0	87.1	88.3	91.7	92.5	93.3	94.5	95.6	95.9	97.0
≥ 200	29.4	51.3	58.3	66.7	78.1	78.3	84.0	87.1	88.3	91.8	92.6	93.4	94.7	96.0	96.3	98.2
≥ 100	29.4	51.3	58.3	66.7	78.1	78.3	84.0	87.1	88.3	91.8	92.6	93.4	94.7	96.1	96.5	99.6
≥ 0	29.4	51.3	58.3	66.7	78.1	78.3	84.0	87.1	88.3	91.8	92.6	93.4	94.7	96.1	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2761

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

34190 ILLESHEIM AAF DL 59-78 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	10.9	15.6	17.7	18.4	21.8	21.8	22.3	22.6	22.6	22.6	22.6	22.6	22.6	22.6	23.1	23.3
≥ 25000	11.9	17.4	19.5	20.2	24.2	24.2	24.7	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.5	25.9
≥ 20000	11.9	17.9	20.0	20.7	24.7	24.7	25.2	25.5	25.5	25.5	25.5	25.5	25.5	25.5	26.0	26.3
≥ 18000	11.9	17.9	20.0	20.7	24.7	24.7	25.2	25.5	25.5	25.5	25.5	25.5	25.5	25.5	26.0	26.3
≥ 14000	11.9	17.9	20.0	20.7	24.7	24.7	25.2	25.5	25.5	25.5	25.5	25.5	25.5	25.5	26.0	26.3
≥ 12000	12.0	18.4	20.5	21.1	25.2	25.2	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.5	26.8
≥ 10000	12.7	19.7	22.3	22.9	27.0	27.0	27.5	27.8	27.8	27.8	27.8	27.8	27.8	27.8	28.3	28.6
≥ 9000	13.0	20.0	22.6	23.3	27.3	27.3	27.8	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.6	28.9
≥ 8000	14.5	22.9	25.7	26.3	30.6	30.6	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	32.0	32.4
≥ 7000	17.2	27.0	29.8	30.4	34.6	34.6	35.3	35.6	35.6	35.6	35.6	35.6	35.6	35.6	36.1	36.4
≥ 6000	18.9	29.9	31.7	32.4	36.7	36.7	37.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.4	38.7
≥ 5000	20.3	30.7	33.7	34.5	39.0	39.0	40.2	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.1	41.5
≥ 4500	22.0	33.3	36.3	37.4	42.0	42.0	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	44.2	44.6
≥ 4000	25.9	38.9	42.3	43.7	50.1	50.2	51.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.5	53.2
≥ 3500	27.5	41.1	44.7	46.2	52.7	52.8	54.1	54.8	54.8	55.3	55.4	55.4	55.4	55.4	55.9	56.6
≥ 3000	30.6	45.9	50.1	51.7	59.7	59.8	61.8	62.4	62.4	63.3	63.4	63.4	63.4	63.6	64.1	64.7
≥ 2500	32.4	47.6	52.2	53.8	62.4	62.6	64.9	65.5	65.7	66.5	66.7	66.7	66.8	67.0	67.5	68.1
≥ 2000	33.7	50.1	54.8	57.1	66.3	66.5	68.9	69.6	69.9	70.7	70.9	70.9	71.1	71.2	71.7	72.4
≥ 1800	33.8	50.6	55.4	57.7	67.0	67.2	69.6	70.2	70.7	71.5	71.7	71.7	71.9	72.0	72.5	73.2
≥ 1500	34.5	52.8	58.0	61.0	70.9	71.1	73.5	74.3	74.8	75.6	75.8	75.8	75.9	76.1	76.6	77.2
≥ 1200	34.5	53.8	59.7	62.9	74.1	74.3	76.7	78.0	78.5	79.7	79.8	79.8	80.3	80.5	81.0	81.6
≥ 1000	34.5	54.5	60.3	63.6	75.3	75.4	77.9	79.5	80.2	82.0	82.1	82.1	82.6	82.9	83.4	84.1
≥ 900	34.5	54.5	60.3	63.6	76.3	76.6	79.3	81.0	81.6	83.4	83.7	83.7	84.4	84.7	85.2	85.9
≥ 800	34.5	54.5	60.3	63.7	76.4	76.7	79.8	82.0	82.6	84.4	84.7	84.7	85.4	85.9	86.3	87.0
≥ 700	34.5	54.6	60.5	63.9	77.1	77.4	81.6	84.2	85.0	87.5	87.8	88.0	88.9	89.4	89.9	90.6
≥ 600	34.5	54.8	60.7	64.4	77.9	78.2	82.9	85.7	86.7	89.3	89.6	89.8	90.7	91.2	91.7	92.4
≥ 500	34.6	55.1	61.0	64.7	78.5	78.9	83.9	86.8	88.1	91.1	91.4	91.5	92.5	93.0	93.5	94.1
≥ 400	34.6	55.1	61.0	65.0	78.9	79.2	84.4	87.6	88.9	92.2	92.5	92.7	93.7	94.1	94.6	95.3
≥ 300	34.6	55.1	61.0	65.0	78.9	79.2	84.4	87.8	89.1	92.8	93.3	93.5	94.8	95.3	95.8	96.6
≥ 200	34.6	55.1	61.0	65.0	78.9	79.2	84.4	87.8	89.1	92.8	93.3	93.5	95.0	95.4	96.1	97.2
≥ 100	34.6	55.1	61.0	65.0	78.9	79.2	84.4	87.8	89.1	92.8	93.3	93.5	95.0	95.9	96.6	98.7
≥ 0	34.6	55.1	61.0	65.0	78.9	79.2	84.4	87.8	89.1	92.8	93.3	93.5	95.0	95.9	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 615

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

34190 ILLESHEIM AAF DL 59-73 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥¼	0
NO CEILING	9.6	13.3	14.1	15.7	19.0	19.2	19.6	19.9	20.1	20.3	20.3	20.3	20.4	20.4	20.6	20.7
≥ 25000	12.2	17.1	17.9	19.5	23.5	23.7	24.2	24.6	24.8	25.0	25.0	25.0	25.1	25.1	25.3	25.6
≥ 18000	12.6	17.7	18.5	20.1	24.2	24.3	24.8	25.3	25.4	25.6	25.6	25.6	25.7	25.7	25.9	26.2
≥ 9000	12.6	17.7	18.5	20.1	24.2	24.3	24.8	25.3	25.4	25.6	25.6	25.6	25.7	25.7	25.9	26.2
≥ 4000	12.6	17.7	18.5	20.1	24.2	24.3	24.8	25.3	25.4	25.6	25.6	25.6	25.7	25.7	25.9	26.2
≥ 3000	12.6	18.4	19.2	20.7	24.8	25.0	25.4	25.9	26.1	26.2	26.2	26.2	26.4	26.4	26.5	26.8
≥ 2500	13.3	19.6	20.4	22.0	26.1	26.2	26.7	27.2	27.3	27.5	27.5	27.5	27.6	27.6	27.8	28.1
≥ 2000	14.0	20.7	21.5	23.2	27.5	27.6	28.4	28.9	29.0	29.2	29.2	29.2	29.4	29.4	29.5	29.8
≥ 1800	15.9	24.3	25.3	27.2	31.7	31.9	32.7	33.3	33.6	33.8	33.8	33.8	33.9	33.9	34.1	34.4
≥ 1600	18.5	27.9	29.7	31.7	36.4	36.6	37.4	38.0	38.3	38.5	38.5	38.5	38.6	38.6	38.8	39.1
≥ 1400	20.4	31.1	32.8	35.0	39.9	40.0	40.8	41.4	41.8	41.9	41.9	41.9	42.1	42.1	42.2	42.5
≥ 1200	21.4	32.2	34.1	36.4	41.6	41.8	42.5	43.2	43.5	43.6	43.6	43.6	43.8	43.8	44.0	44.3
≥ 1000	22.3	34.2	36.3	38.6	43.8	44.0	44.7	45.4	45.7	45.8	45.8	45.8	46.0	46.0	46.2	46.5
≥ 900	24.8	37.8	40.0	43.3	49.0	49.1	50.4	51.2	51.5	52.0	52.3	52.4	52.7	52.9	53.1	53.4
≥ 800	27.0	40.7	42.9	46.2	51.8	52.0	53.2	54.0	54.6	55.1	55.4	55.6	56.0	56.2	56.4	56.7
≥ 700	29.4	44.4	46.9	50.9	57.5	57.6	59.3	60.6	61.2	61.7	62.0	62.2	62.8	63.0	63.1	63.4
≥ 600	30.5	46.0	48.5	52.9	59.8	60.1	62.0	63.3	63.9	64.5	64.8	65.0	65.6	65.8	65.9	66.2
≥ 500	32.7	50.1	52.7	57.8	66.1	66.4	68.4	69.7	70.3	71.1	71.4	71.6	72.4	72.5	72.7	73.0
≥ 400	33.1	50.9	53.7	58.7	67.2	67.5	69.7	71.0	71.6	72.5	72.8	73.0	73.8	73.9	74.1	74.4
≥ 300	34.4	53.4	56.7	62.3	71.3	71.6	73.9	75.4	76.0	77.1	77.4	77.6	78.3	78.5	78.6	79.0
≥ 200	35.3	55.9	59.3	65.3	75.5	76.0	78.8	80.2	80.8	82.1	82.4	82.6	83.7	84.1	84.3	84.6
≥ 100	35.5	56.0	59.5	65.5	76.5	76.9	80.2	81.8	82.6	84.1	84.5	84.6	85.7	86.3	86.5	86.8
≥ 0	35.5	56.0	59.5	65.8	76.9	77.4	80.8	82.4	83.2	84.8	85.2	85.4	86.5	87.1	87.3	87.6
	35.5	56.0	59.5	65.8	77.2	77.7	81.8	83.8	84.6	86.3	86.8	87.0	88.1	88.7	88.9	89.2
	35.5	56.0	59.5	65.8	77.6	78.0	82.9	85.4	86.8	88.5	89.3	89.6	90.7	91.4	91.5	91.8
	35.6	56.2	59.7	66.2	78.2	78.6	84.0	86.5	88.2	90.0	90.7	91.1	92.2	92.8	92.9	93.2
	35.9	56.5	60.0	66.6	78.6	79.1	84.8	87.6	89.5	91.5	92.3	92.6	93.7	94.7	94.8	95.1
	35.9	56.5	60.0	66.6	78.6	79.1	84.8	87.8	90.4	92.8	93.6	93.9	95.0	95.9	96.1	96.4
	35.9	56.5	60.0	66.6	78.6	79.1	84.8	87.8	90.4	92.9	93.7	94.2	95.3	96.2	96.4	97.0
	35.9	56.5	60.0	66.6	78.6	79.1	84.8	87.8	90.4	92.9	93.7	94.2	95.3	96.4	96.5	97.3
	35.9	56.5	60.0	66.6	78.6	79.1	84.8	87.8	90.4	92.9	93.7	94.2	95.3	97.0	97.2	99.2
	35.9	56.5	60.0	66.6	78.6	79.1	84.8	87.8	90.4	92.9	93.7	94.2	95.3	97.0	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 637

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34193 ILLESHEIM AAF FL 69-73 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	10.0	15.7	16.3	17.6	18.5	18.5	19.0	19.3	19.3	19.3	19.3	19.3	19.4	19.7	19.7	19.7
≥ 20000	13.8	20.2	20.8	22.3	24.0	24.0	24.9	25.2	25.2	25.2	25.2	25.2	25.4	25.7	25.7	25.7
≥ 9000	14.1	20.5	21.2	22.6	24.3	24.3	25.2	25.5	25.5	25.5	25.5	25.5	25.7	26.0	26.0	26.0
≥ 8000	14.1	20.5	21.2	22.6	24.3	24.3	25.2	25.5	25.5	25.5	25.5	25.5	25.7	26.0	26.0	26.0
≥ 7000	14.1	20.5	21.2	22.6	24.3	24.3	25.2	25.5	25.5	25.5	25.5	25.5	25.7	26.0	26.0	26.0
≥ 6000	14.1	20.7	21.3	22.9	24.6	24.6	25.5	25.9	25.9	25.9	25.9	25.9	26.0	26.3	26.3	26.3
≥ 5000	15.8	22.9	23.5	25.4	27.1	27.1	28.1	28.4	28.4	28.4	28.4	28.4	28.5	28.8	28.8	28.8
≥ 4500	16.1	23.4	24.1	26.0	27.9	27.9	28.8	29.2	29.2	29.2	29.2	29.2	29.3	29.6	29.6	29.6
≥ 4000	19.1	28.8	29.6	31.7	33.5	33.5	34.5	34.8	34.8	34.8	34.8	34.8	35.0	35.3	35.3	35.3
≥ 3500	22.3	32.6	33.5	35.6	37.5	37.5	38.4	38.7	38.7	38.7	38.7	38.7	38.9	39.2	39.2	39.2
≥ 3000	24.1	35.6	36.7	39.2	41.1	41.1	42.0	42.3	42.3	42.3	42.3	42.3	42.5	42.8	42.8	42.8
≥ 2500	24.8	36.8	37.9	40.4	42.5	42.5	43.4	43.7	43.7	43.7	43.7	43.7	43.9	44.2	44.2	44.2
≥ 2000	25.5	37.6	38.7	41.7	43.7	43.7	44.7	45.0	45.0	45.0	45.0	45.0	45.1	45.5	45.5	45.5
≥ 1800	27.4	40.3	42.3	46.4	48.7	48.7	49.7	50.0	50.0	50.2	50.3	50.3	50.6	50.9	50.9	50.9
≥ 1500	28.5	41.7	43.9	48.1	50.9	50.9	52.4	52.7	52.7	52.8	53.0	53.0	53.3	53.6	53.6	53.6
≥ 1200	31.3	46.4	48.7	53.6	57.4	57.4	59.1	59.4	59.4	59.7	59.9	59.9	60.3	60.7	60.7	60.7
≥ 1000	32.3	48.0	50.9	56.1	60.3	60.3	62.4	62.9	63.0	63.5	63.6	63.6	64.1	64.4	64.4	64.4
≥ 900	36.7	54.9	57.8	63.5	68.5	68.5	71.0	71.5	71.6	72.3	72.4	72.4	72.9	73.2	73.2	73.2
≥ 800	37.3	55.8	58.8	64.6	69.6	69.6	72.1	72.6	72.7	73.5	73.7	73.7	74.1	74.5	74.5	74.5
≥ 700	38.1	57.2	60.2	67.1	72.9	72.9	75.9	76.5	76.8	77.7	77.9	78.2	78.8	79.2	79.2	79.2
≥ 600	39.2	60.0	63.3	71.0	78.5	78.5	82.0	82.6	83.1	84.0	84.2	84.5	85.1	85.4	85.4	85.4
≥ 500	39.3	60.2	63.8	71.8	81.0	81.0	84.6	85.3	85.7	86.7	86.8	87.3	87.9	88.2	88.2	88.4
≥ 400	39.5	60.3	63.9	72.3	82.0	82.0	85.6	86.5	87.0	87.9	88.1	88.6	89.2	89.5	89.5	89.7
≥ 300	39.5	60.3	63.9	72.6	82.8	82.8	87.0	88.1	88.6	89.7	89.8	90.3	90.9	91.2	91.2	91.4
≥ 200	39.7	60.7	64.3	72.9	83.9	83.9	88.4	89.7	90.3	91.5	91.8	92.3	92.9	93.3	93.3	93.4
≥ 100	39.7	60.7	64.3	72.9	84.2	84.2	89.3	91.2	92.3	93.6	93.9	94.4	95.0	95.3	95.3	95.5
≥ 50	39.7	60.7	64.3	72.9	84.2	84.2	89.8	92.0	93.1	94.4	94.7	95.1	96.1	96.4	96.4	96.6
≥ 0	39.7	60.7	64.3	72.9	84.2	84.2	89.8	92.0	93.1	94.4	94.7	95.1	96.1	96.4	96.4	96.6
	39.7	60.7	64.3	72.9	84.2	84.2	89.8	92.0	93.1	94.4	94.7	95.1	96.1	96.6	96.6	96.9
	39.7	60.7	64.3	72.9	84.2	84.2	89.8	92.0	93.1	94.4	95.0	95.5	96.4	97.0	97.0	98.0
	39.7	60.7	64.3	72.9	84.2	84.2	89.8	92.0	93.1	94.4	95.0	95.5	96.4	97.5	97.6	99.1
	39.7	60.7	64.3	72.9	84.2	84.2	90.0	92.2	93.3	94.5	95.1	95.6	96.6	97.6	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 638

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	10.2	15.0	16.1	17.0	17.4	17.5	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.2	18.3	18.3
≥ 20000	14.5	20.5	22.1	23.4	25.0	25.2	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.0	26.1	26.1
≥ 18000	14.6	20.7	22.3	23.7	25.5	25.6	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.4	26.6	26.6
≥ 16000	14.8	20.9	22.5	23.9	25.6	25.8	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.6	26.8	26.8
≥ 14000	14.8	20.9	22.5	23.9	25.6	25.8	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.6	26.8	26.8
≥ 12000	14.8	20.9	22.5	23.9	25.6	25.8	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.6	26.8	26.8
≥ 10000	16.1	22.9	24.5	26.0	27.7	27.9	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.7	28.8	28.8
≥ 9000	16.7	23.7	25.3	26.9	29.0	29.1	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.9	30.1	30.1
≥ 8000	19.4	28.8	30.4	32.2	34.6	34.7	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.7	35.8	35.8
≥ 7000	21.5	31.5	33.4	35.2	37.6	37.7	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.7	38.9	38.9
≥ 6000	23.4	34.1	36.0	37.7	40.1	40.3	40.9	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.9	41.9
≥ 5000	24.5	35.8	38.1	39.8	42.5	42.7	43.5	44.1	44.1	44.1	44.1	44.1	44.1	44.3	44.4	44.4
≥ 4500	25.0	36.5	38.7	40.6	43.3	43.5	44.3	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.2	45.2
≥ 4000	28.3	41.7	44.3	46.8	49.8	50.2	51.1	52.1	52.1	52.1	52.1	52.2	52.2	52.4	52.5	52.5
≥ 3500	30.1	44.7	48.1	50.6	53.7	54.0	54.9	56.1	56.1	56.1	56.1	56.2	56.2	56.4	56.5	56.5
≥ 3000	33.9	49.8	53.7	56.5	61.5	61.8	62.9	64.2	64.2	64.2	64.2	64.3	64.3	64.5	64.6	64.6
≥ 2500	35.5	51.8	55.6	58.4	64.0	64.3	65.4	66.9	66.9	67.2	67.2	67.4	67.4	67.5	67.7	67.7
≥ 2000	38.4	56.8	60.8	63.7	71.0	71.3	72.9	74.8	74.8	75.2	75.2	75.3	75.3	75.5	75.6	75.6
≥ 1800	38.5	57.6	61.6	64.5	71.8	72.1	73.9	75.8	75.8	76.1	76.1	76.3	76.4	76.6	76.8	76.8
≥ 1500	39.5	59.9	63.9	67.0	76.1	76.4	78.5	80.4	80.4	81.1	81.2	81.4	81.7	81.8	82.0	82.0
≥ 1200	39.6	61.1	65.3	68.6	79.0	79.3	81.7	84.1	84.1	85.2	85.4	85.5	85.8	86.0	86.5	86.5
≥ 1000	39.6	61.1	65.8	69.6	80.3	80.6	83.1	86.0	86.0	87.3	87.4	87.6	87.9	88.1	88.5	88.5
≥ 900	39.8	61.3	65.9	69.7	80.9	81.2	83.9	87.1	87.3	88.7	88.9	89.0	89.5	89.6	90.1	90.1
≥ 800	39.8	61.3	65.9	69.9	81.5	81.8	85.2	88.5	88.7	90.1	90.3	90.4	90.9	91.2	91.7	91.7
≥ 700	39.8	61.5	66.1	70.1	82.2	82.5	86.1	89.5	89.6	91.9	92.4	92.7	93.2	93.5	93.9	93.9
≥ 600	39.8	61.5	66.1	70.1	82.2	82.5	86.3	90.3	90.8	93.5	93.9	94.3	94.9	95.2	95.7	95.7
≥ 500	39.8	61.5	66.1	70.1	82.2	82.5	86.6	90.8	91.4	94.3	94.7	95.1	95.7	96.0	96.5	96.5
≥ 400	39.8	61.5	66.1	70.1	82.2	82.5	86.6	90.8	91.4	94.3	94.7	95.1	96.0	96.3	96.8	96.8
≥ 300	39.8	61.5	66.1	70.1	82.2	82.5	86.6	90.8	91.4	94.3	94.7	95.2	96.2	97.0	97.6	97.6
≥ 200	39.8	61.5	66.1	70.1	82.2	82.5	86.6	90.8	91.4	94.3	94.7	95.2	96.2	97.8	98.6	98.6
≥ 100	39.8	61.5	66.1	70.1	82.2	82.5	86.6	90.8	91.4	94.3	94.7	95.2	96.2	97.8	98.6	99.0
≥ 0	39.8	61.5	66.1	70.1	82.2	82.5	86.6	90.8	91.4	94.3	94.7	95.2	96.2	97.8	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 628

USAF ETAC FORM Jul 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3419 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-70,77 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	15.3	18.6	23.7	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 20000	16.9	20.3	25.4	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 18000	18.6	22.0	27.1	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 16000	18.6	22.0	27.1	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 14000	18.6	22.0	27.1	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 12000	18.6	22.0	27.1	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 10000	20.3	23.7	28.8	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 9000	20.3	23.7	28.8	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 8000	23.7	27.1	32.2	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
≥ 7000	28.8	32.2	37.3	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
≥ 6000	35.6	40.7	45.8	47.5	47.5	47.5	47.5	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 5000	39.0	45.8	52.5	54.2	54.2	54.2	54.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4500	39.0	45.8	52.5	54.2	54.2	54.2	54.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4000	44.1	50.8	57.6	59.3	59.3	59.3	59.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3500	44.1	50.8	57.6	59.3	59.3	59.3	59.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3000	47.5	54.2	61.0	64.4	64.4	64.4	64.4	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2500	50.8	61.0	67.8	71.2	71.2	71.2	71.2	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2000	54.2	64.4	71.2	74.6	74.6	74.6	74.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1800	57.6	67.8	74.6	78.0	78.0	78.0	78.0	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1500	57.6	69.5	76.3	79.7	81.4	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1200	57.6	71.2	79.7	83.1	84.7	84.7	84.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1000	57.6	71.2	79.7	83.1	84.7	84.7	86.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 900	57.6	71.2	79.7	83.1	84.7	84.7	86.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	57.6	71.2	79.7	83.1	84.7	84.7	88.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	57.6	72.9	81.4	84.7	86.4	86.4	89.8	93.2	93.2	93.2	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600	57.6	72.9	81.4	84.7	86.4	86.4	89.8	93.2	93.2	93.2	94.9	94.9	94.9	94.9	94.9	94.9
≥ 500	57.6	72.9	81.4	84.7	88.1	88.1	91.5	94.9	94.9	94.9	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400	57.6	72.9	81.4	84.7	88.1	88.1	91.5	94.9	94.9	94.9	96.6	96.6	96.6	96.6	96.6	96.6
≥ 300	57.6	72.9	81.4	84.7	88.1	88.1	91.5	94.9	94.9	94.9	96.6	96.6	96.6	96.6	98.3	98.3
≥ 200	57.6	72.9	81.4	84.7	88.1	88.1	91.5	94.9	94.9	94.9	96.6	96.6	96.6	96.6	98.3	98.3
≥ 100	57.6	72.9	81.4	84.7	88.1	88.1	91.5	94.9	94.9	94.9	96.6	96.6	96.6	96.6	98.3	100.0
≥ 0	57.6	72.9	81.4	84.7	88.1	88.1	91.5	94.9	94.9	94.9	96.6	96.6	96.6	96.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 59

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	10.3	15.0	16.3	17.4	19.3	19.4	19.9	20.1	20.1	20.2	20.2	20.2	20.2	20.4	20.6	20.6
≥ 20000	13.2	18.9	20.2	21.5	24.3	24.4	25.0	25.3	25.3	25.3	25.3	25.3	25.4	25.5	25.7	25.9
≥ 18000	13.4	19.3	20.7	22.0	24.8	24.9	25.5	25.8	25.8	25.8	25.8	25.8	25.9	26.0	26.2	26.4
≥ 16000	13.5	19.3	20.7	22.0	24.8	24.9	25.5	25.8	25.8	25.9	25.9	25.9	26.0	26.1	26.3	26.4
≥ 14000	13.5	19.3	20.7	22.0	24.8	24.9	25.5	25.8	25.8	25.9	25.9	25.9	26.0	26.1	26.3	26.4
≥ 12000	13.5	19.6	21.0	22.3	25.2	25.3	25.9	26.1	26.2	26.2	26.2	26.2	26.3	26.4	26.6	26.8
≥ 10000	14.6	21.3	22.8	24.2	27.1	27.2	27.8	28.0	28.1	28.1	28.1	28.1	28.2	28.3	28.5	28.7
≥ 9000	15.1	22.0	23.5	25.0	28.0	28.1	28.8	29.1	29.1	29.1	29.1	29.1	29.2	29.3	29.5	29.7
≥ 8000	17.4	26.3	27.9	29.5	32.7	32.7	33.5	33.8	33.9	33.9	33.9	33.9	34.0	34.1	34.3	34.5
≥ 7000	20.1	29.8	31.8	33.4	36.6	36.7	37.4	37.8	37.9	37.9	37.9	37.9	38.0	38.1	38.3	38.4
≥ 6000	22.0	32.6	34.6	36.4	39.7	39.8	40.5	41.0	41.1	41.2	41.2	41.2	41.2	41.3	41.5	41.7
≥ 5000	23.1	34.2	36.3	38.2	41.7	41.8	42.7	43.3	43.3	43.4	43.4	43.4	43.4	43.6	43.8	43.9
≥ 4500	24.0	35.6	37.9	40.0	43.5	43.6	44.5	45.0	45.1	45.2	45.2	45.2	45.2	45.3	45.5	45.7
≥ 4000	27.0	39.9	42.6	45.4	49.7	49.8	50.9	51.6	51.6	51.8	51.9	52.0	52.1	52.3	52.5	52.7
≥ 3500	28.6	42.2	45.2	48.1	52.4	52.6	53.8	54.5	54.7	55.0	55.1	55.2	55.4	55.5	55.7	56.0
≥ 3000	31.7	46.8	50.1	53.5	59.1	59.3	60.9	61.8	61.9	62.3	62.5	62.5	62.8	63.0	63.2	63.4
≥ 2500	33.0	48.6	52.2	55.7	61.9	62.1	63.8	64.8	65.1	65.6	65.7	65.8	66.1	66.3	66.5	66.8
≥ 2000	35.8	53.2	56.9	60.9	68.2	68.3	70.4	71.5	71.8	72.4	72.6	72.7	73.0	73.2	73.4	73.6
≥ 1800	36.2	54.0	57.8	61.8	69.1	69.3	71.5	72.6	72.9	73.6	73.7	73.8	74.2	74.4	74.6	74.8
≥ 1500	37.1	56.1	60.1	64.7	73.0	73.2	75.6	76.8	77.2	78.0	78.2	78.4	78.8	79.0	79.2	79.4
≥ 1200	37.6	58.0	62.3	67.4	77.0	77.2	79.9	81.4	81.8	82.9	83.0	83.2	83.8	84.1	84.4	84.6
≥ 1000	37.7	58.3	62.8	68.0	78.4	78.7	81.6	83.3	83.8	85.1	85.3	85.5	86.2	86.5	86.8	87.0
≥ 900	37.8	58.3	62.8	68.2	79.2	79.4	82.5	84.4	84.9	86.3	86.6	86.8	87.5	87.8	88.1	88.4
≥ 800	37.8	58.3	62.8	68.4	79.6	79.9	83.6	85.8	86.3	87.7	88.0	88.2	88.9	89.3	89.6	89.9
≥ 700	37.8	58.5	63.0	68.6	80.3	80.6	84.9	87.4	88.1	90.0	90.5	90.8	91.5	92.0	92.2	92.5
≥ 600	37.9	58.6	63.1	68.8	80.8	81.0	85.8	88.6	89.6	91.6	92.1	92.4	93.3	93.7	93.9	94.2
≥ 500	38.0	58.8	63.3	69.0	81.1	81.3	86.4	89.4	90.7	92.9	93.4	93.7	94.6	95.1	95.3	95.6
≥ 400	38.0	58.8	63.3	69.0	81.1	81.4	86.5	89.7	91.1	93.4	93.9	94.3	95.2	95.7	96.0	96.3
≥ 300	38.0	58.8	63.3	69.0	81.1	81.4	86.5	89.7	91.1	93.6	94.2	94.6	95.6	96.3	96.6	97.1
≥ 200	38.0	58.8	63.3	69.0	81.1	81.4	86.5	89.7	91.1	93.6	94.3	94.6	95.7	96.7	97.1	97.8
≥ 100	38.0	58.8	63.3	69.0	81.1	81.4	86.5	89.7	91.1	93.6	94.3	94.6	95.7	97.1	97.5	99.0
≥ 0	38.0	58.8	63.3	69.0	81.1	81.4	86.6	89.8	91.2	93.7	94.3	94.7	95.8	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2578

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥5/16	≥4	≥0
NO CEILING	7.9	17.2	19.1	21.2	24.5	24.9	26.3	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	27.0
≥ 20000	8.4	18.0	20.5	22.6	25.9	26.3	27.7	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.4
≥ 18000	8.4	18.0	20.5	22.6	25.9	26.3	27.7	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.4
≥ 16000	8.4	18.0	20.5	22.6	25.9	26.3	27.7	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.4
≥ 14000	8.4	18.0	20.5	22.6	25.9	26.3	27.7	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.4
≥ 12000	8.4	18.0	20.5	22.6	25.9	26.3	27.7	28.0	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.4
≥ 10000	8.6	18.2	20.7	22.8	26.1	26.4	27.8	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.5
≥ 9000	8.9	18.7	21.2	23.6	27.1	27.5	28.9	29.2	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.8
≥ 8000	10.3	21.0	23.6	26.3	29.8	30.1	32.0	32.4	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.9
≥ 7000	12.1	23.6	26.3	29.4	32.9	33.3	35.2	35.6	35.7	35.9	35.9	35.9	35.9	35.9	35.9	36.1
≥ 6000	12.8	24.7	27.7	31.2	34.9	35.2	37.1	37.5	37.7	37.8	37.8	37.8	37.8	37.8	37.8	38.0
≥ 5000	13.3	25.7	28.7	32.6	36.6	37.0	39.1	39.4	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.9
≥ 4500	14.5	27.0	29.9	34.3	38.4	38.7	41.2	41.7	41.9	42.2	42.2	42.2	42.6	42.6	42.6	42.7
≥ 4000	17.0	30.6	33.6	38.5	42.6	42.9	45.5	46.1	46.2	46.6	46.6	46.6	46.9	46.9	46.9	47.1
≥ 3500	18.7	34.0	37.0	42.0	46.4	46.8	50.3	51.0	51.1	51.5	51.5	51.5	51.8	51.8	51.8	52.0
≥ 3000	19.4	36.1	39.6	45.2	49.9	50.3	53.9	54.8	55.0	55.3	55.3	55.3	55.7	55.9	55.9	56.0
≥ 2500	19.8	36.8	41.0	47.6	52.7	53.1	56.9	57.8	58.0	58.3	58.3	58.3	58.7	58.8	58.8	59.0
≥ 2000	21.5	39.4	44.3	51.5	58.1	58.5	62.9	63.9	64.1	64.4	64.4	64.4	64.8	65.0	65.0	65.1
≥ 1800	21.7	39.8	44.7	52.2	59.2	59.5	64.3	65.3	65.5	65.8	65.8	65.8	66.2	66.4	66.4	66.5
≥ 1500	22.2	41.5	46.4	55.3	62.5	62.9	68.1	69.2	69.4	70.2	70.2	70.2	70.6	70.8	70.8	70.9
≥ 1200	23.5	44.3	49.9	59.7	67.8	68.1	73.4	75.5	75.7	76.5	76.5	76.5	76.9	77.1	77.1	77.2
≥ 1000	23.5	44.7	50.4	60.9	71.3	71.8	78.1	80.4	80.6	81.6	82.0	82.0	82.3	82.5	82.5	82.7
≥ 900	23.5	44.7	50.4	61.5	72.0	72.5	78.8	81.1	81.3	82.5	82.8	82.8	83.2	83.4	83.4	83.5
≥ 800	23.6	45.0	50.8	61.8	73.0	73.6	80.6	83.0	83.4	84.8	85.3	86.0	86.3	86.5	86.5	86.7
≥ 700	23.6	45.0	51.0	62.0	73.4	73.9	81.4	83.9	84.2	85.6	86.2	87.0	87.4	87.6	87.6	87.7
≥ 600	23.6	45.2	51.1	62.9	74.3	74.8	82.8	86.2	87.0	88.6	89.1	90.0	90.4	90.5	90.5	90.7
≥ 500	23.6	45.4	51.3	63.0	75.0	75.5	84.2	88.3	89.1	91.4	92.5	93.3	93.7	93.9	93.9	94.0
≥ 400	23.6	45.4	51.3	63.0	75.0	75.5	84.8	89.1	90.2	93.0	94.0	95.1	95.6	95.8	95.8	96.0
≥ 300	23.6	45.4	51.3	63.0	75.0	75.5	84.8	89.5	90.5	94.2	95.3	96.3	96.8	97.0	97.0	97.2
≥ 200	23.6	45.4	51.3	63.0	75.0	75.5	84.8	89.5	90.5	94.6	95.6	97.0	97.7	98.2	98.2	98.4
≥ 100	23.6	45.4	51.3	63.0	75.0	75.5	84.8	89.5	90.5	94.6	95.6	97.0	98.1	98.6	98.9	99.8
≥ 0	23.6	45.4	51.3	63.0	75.0	75.5	84.8	89.5	90.5	94.7	95.8	97.2	98.2	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 571

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥5/16	≥1/4	≥0
NO CEILING	6.1	11.4	12.6	14.3	18.5	18.8	20.9	21.8	21.8	21.8	21.8	22.0	22.0	22.0	22.1	22.3
≥ 20000	6.9	14.0	15.4	17.3	22.4	22.9	25.1	26.0	26.0	26.0	26.0	26.2	26.2	26.2	26.3	26.5
≥ 18000	6.9	14.2	15.6	17.4	22.7	23.2	25.4	26.3	26.3	26.6	26.6	26.8	26.8	26.8	26.9	27.1
≥ 16000	6.9	14.2	15.6	17.4	22.7	23.2	25.4	26.3	26.3	26.6	26.6	26.8	26.8	26.8	26.9	27.4
≥ 14000	7.0	14.3	15.7	17.6	23.1	23.5	25.7	26.6	26.6	26.9	26.9	27.1	27.1	27.1	27.3	27.7
≥ 12000	7.0	14.5	15.9	17.8	23.2	23.7	25.9	26.8	26.8	27.1	27.1	27.3	27.3	27.3	27.4	27.9
≥ 10000	7.3	14.8	16.2	18.1	23.7	24.1	26.5	27.4	27.4	27.7	27.7	27.9	27.9	27.9	28.0	28.5
≥ 9000	7.8	15.7	17.1	19.0	24.9	25.4	27.9	29.0	29.0	29.3	29.3	29.4	29.4	29.4	29.6	30.1
≥ 8000	10.3	19.0	20.6	22.4	28.7	29.1	32.1	33.3	33.3	33.6	33.6	33.8	33.8	33.8	34.0	34.4
≥ 7000	11.5	20.9	22.4	24.6	30.8	31.5	34.4	35.7	35.7	36.0	36.0	36.1	36.1	36.1	36.3	36.9
≥ 6000	12.1	22.1	23.7	26.2	33.0	33.6	36.6	37.9	37.9	38.2	38.2	38.3	38.3	38.3	38.5	39.1
≥ 5000	13.4	23.5	25.5	28.2	35.4	36.0	40.2	41.7	41.7	42.1	42.1	42.2	42.2	42.2	42.4	43.0
≥ 4500	13.7	24.1	26.8	29.4	37.1	37.7	41.9	43.9	43.9	44.2	44.2	44.4	44.4	44.4	44.5	45.2
≥ 4000	16.0	27.3	29.9	32.7	40.7	41.3	45.8	48.1	48.1	48.4	48.4	48.6	48.6	48.6	48.8	49.4
≥ 3500	17.4	29.4	32.1	35.2	43.9	44.5	49.2	51.7	51.7	52.0	52.0	52.2	52.2	52.2	52.3	53.0
≥ 3000	19.8	33.3	36.1	40.0	50.5	51.1	55.9	58.4	58.4	58.7	58.7	58.9	59.2	59.3	59.5	60.1
≥ 2500	22.0	36.3	39.6	43.9	54.8	55.5	60.4	62.9	62.9	63.2	63.2	63.4	63.7	63.9	64.0	64.6
≥ 2000	23.2	38.8	42.7	47.0	58.9	59.5	64.6	67.6	67.6	67.9	67.9	68.1	68.4	68.5	68.7	69.3
≥ 1800	23.2	38.8	42.7	47.7	59.8	60.4	65.9	69.0	69.0	69.3	69.3	69.5	69.8	69.9	70.1	70.7
≥ 500	24.3	40.8	45.3	51.6	63.9	64.5	69.9	73.2	73.2	73.7	73.7	73.8	74.1	74.3	74.5	75.1
≥ 1200	24.8	41.6	46.3	53.1	66.0	67.1	72.6	76.6	76.6	77.7	77.7	78.2	78.5	78.8	79.0	79.6
≥ 1000	25.1	42.1	47.2	54.0	67.9	69.0	75.4	80.2	80.2	82.1	82.1	82.6	82.9	83.2	83.3	84.0
≥ 900	25.1	42.4	47.5	54.7	68.5	69.6	76.5	81.3	81.3	83.2	83.3	83.8	84.1	84.4	84.6	85.2
≥ 800	25.1	42.4	47.5	54.8	69.6	70.7	78.3	83.8	84.0	85.8	86.0	86.8	87.1	87.4	87.5	88.2
≥ 700	25.1	42.4	48.3	55.8	70.9	72.0	80.1	86.3	86.4	88.3	88.6	89.4	89.7	90.0	90.2	90.8
≥ 600	25.1	42.4	48.3	55.8	71.2	72.3	81.5	88.0	88.5	90.5	90.8	91.6	91.9	92.2	92.5	93.1
≥ 500	25.1	42.4	48.3	55.8	71.3	72.4	82.2	88.9	89.9	92.1	92.6	93.6	93.9	94.2	94.5	95.2
≥ 400	25.1	42.4	48.3	55.8	71.3	72.4	82.2	90.2	91.3	93.8	94.5	95.3	95.6	96.0	96.3	96.9
≥ 300	25.1	42.4	48.3	55.8	71.3	72.4	82.2	90.2	91.3	93.9	95.0	96.0	96.7	97.0	97.4	98.3
≥ 200	25.1	42.4	48.3	55.8	71.3	72.4	82.2	90.2	91.3	93.9	95.0	96.0	97.5	98.0	98.3	99.4
≥ 100	25.1	42.4	48.3	55.8	71.3	72.4	82.2	90.2	91.3	93.9	95.0	96.0	97.5	98.0	98.3	100.0
≥ 0	25.1	42.4	48.3	55.8	71.3	72.4	82.2	90.2	91.3	93.9	95.0	96.0	97.5	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 642

USAF ETAC FORM 0-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-76 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS EST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	5.8	10.7	15.6	16.9	20.2	20.6	23.5	23.9	23.9	23.9	24.4	24.4	24.4	24.4	24.4	24.4
≥ 20000	7.9	14.5	19.8	21.9	26.0	26.5	29.3	30.2	30.2	30.2	30.7	30.7	30.7	30.7	30.7	30.7
≥ 18000	8.2	15.0	20.3	22.5	26.8	27.1	29.9	30.9	31.2	31.2	31.7	31.7	31.7	31.7	31.7	31.7
≥ 16000	8.2	15.0	20.3	22.5	26.8	27.2	30.1	31.0	31.3	31.3	31.8	31.8	31.8	31.8	31.8	31.8
≥ 14000	8.2	15.0	20.3	22.5	27.4	27.9	30.7	31.7	32.0	32.0	32.4	32.4	32.4	32.4	32.4	32.4
≥ 12000	8.2	15.1	20.5	22.7	27.6	28.0	30.9	31.8	32.1	32.1	32.6	32.6	32.6	32.6	32.6	32.6
≥ 10000	8.8	15.9	21.3	23.5	28.3	28.8	31.7	32.6	32.9	32.9	33.4	33.4	33.4	33.4	33.4	33.4
≥ 9000	8.8	16.4	21.7	23.9	29.0	29.4	32.3	33.2	33.5	33.5	34.0	34.0	34.0	34.0	34.0	34.0
≥ 8000	12.1	21.1	26.5	29.1	34.6	35.1	38.0	39.1	39.5	39.5	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000	13.1	22.7	28.0	30.9	36.5	37.0	40.0	41.1	41.6	41.6	42.0	42.0	42.0	42.0	42.0	42.0
≥ 6000	13.9	24.6	30.2	33.1	38.9	39.4	42.7	43.8	44.3	44.3	44.7	44.7	44.7	44.7	44.7	44.7
≥ 5000	14.6	26.0	32.1	35.3	41.9	42.4	45.8	47.4	47.9	47.9	48.3	48.3	48.3	48.3	48.3	48.3
≥ 4500	15.6	27.6	34.0	37.2	44.3	44.7	48.2	49.9	50.4	50.4	50.9	50.9	50.9	50.9	50.9	50.9
≥ 4000	17.3	30.4	37.3	40.6	47.9	48.3	52.0	53.7	54.3	54.3	54.8	54.8	54.8	54.8	54.8	54.8
≥ 3500	18.6	32.3	39.5	43.1	51.5	52.0	55.7	57.6	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7
≥ 3000	22.0	37.6	45.7	50.1	59.7	60.2	64.1	66.0	66.6	66.9	67.4	67.6	68.0	68.0	68.0	68.0
≥ 2500	22.8	38.9	46.9	51.7	62.0	62.5	66.6	68.7	69.3	69.6	70.1	70.2	70.7	70.7	70.7	70.7
≥ 2000	23.8	40.5	49.0	54.2	65.8	66.3	70.9	73.1	73.7	74.0	74.5	74.6	75.1	75.1	75.1	75.1
≥ 1800	23.8	40.8	49.3	55.1	66.8	67.2	71.8	74.5	75.1	75.4	75.9	76.1	76.5	76.5	76.5	76.5
≥ 1500	25.0	42.7	51.5	58.0	69.8	70.2	74.8	77.5	78.1	78.4	79.2	79.4	79.8	79.8	80.0	80.0
≥ 1200	26.0	45.2	54.5	61.1	73.4	73.9	78.9	81.7	82.4	83.1	83.9	84.3	84.7	84.7	84.9	84.9
≥ 1000	26.1	45.4	55.0	61.9	75.0	75.4	80.5	83.5	84.3	85.8	86.8	87.1	87.6	87.6	87.7	87.7
≥ 900	26.1	45.4	55.0	62.2	76.4	76.9	82.4	85.5	86.3	87.9	89.3	89.6	90.1	90.1	90.2	90.2
≥ 800	26.3	45.7	55.3	62.5	77.3	77.8	83.5	86.6	87.4	89.1	90.6	90.9	91.3	91.3	91.5	91.5
≥ 700	26.3	45.7	55.3	62.8	77.8	78.3	84.6	88.2	89.0	90.7	92.4	92.8	93.2	93.2	93.4	93.4
≥ 600	26.3	45.8	55.4	63.1	78.7	79.2	86.0	90.7	91.5	93.2	95.0	95.3	95.7	95.7	95.9	95.9
≥ 500	26.3	45.8	55.4	63.1	78.7	79.2	86.5	91.5	92.3	94.0	95.9	96.2	96.7	96.7	96.9	96.9
≥ 400	26.3	45.8	55.4	63.1	78.7	79.2	86.5	92.6	93.4	95.3	97.2	97.5	98.0	98.0	98.3	98.4
≥ 300	26.3	45.8	55.4	63.1	78.7	79.2	86.5	92.6	93.4	95.6	97.6	98.0	98.4	98.4	98.7	98.9
≥ 200	26.3	45.8	55.4	63.1	78.7	79.2	86.5	92.6	93.5	95.7	97.8	98.4	98.9	99.1	99.7	99.8
≥ 100	26.3	45.8	55.4	63.1	78.7	79.2	86.5	92.6	93.5	95.7	97.8	98.4	98.9	99.1	99.7	99.8
= 0	26.3	45.8	55.4	63.1	78.7	79.2	86.5	92.8	93.7	95.9	98.0	98.6	99.1	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 635

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 62-78 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	7.7	12.9	16.2	17.6	20.1	20.3	22.5	23.4	23.4	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000	10.6	16.9	21.9	23.4	26.4	26.6	29.0	30.0	30.0	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 18000	10.6	16.9	21.0	23.9	27.0	27.2	29.5	30.6	30.6	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 16000	10.6	16.9	21.0	23.9	27.0	27.2	29.5	30.6	30.6	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 14000	10.6	16.9	21.0	23.9	27.0	27.2	29.5	30.6	30.6	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 12000	10.6	17.1	21.2	24.1	27.2	27.3	29.7	30.8	30.8	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 10000	11.3	17.8	21.9	24.8	28.1	28.2	30.6	31.7	31.7	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 9000	11.3	17.8	21.9	24.8	28.1	28.2	30.6	31.7	31.7	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 8000	13.7	21.4	25.7	28.8	33.1	33.3	35.6	36.9	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 7000	14.6	23.0	27.7	30.8	35.1	35.3	37.9	39.2	39.2	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 6000	15.1	25.2	30.0	33.1	37.6	37.8	40.6	41.9	41.9	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 5000	15.6	25.9	31.7	34.9	39.7	39.9	43.0	44.2	44.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 4500	15.8	26.1	31.8	35.1	39.9	40.1	43.2	44.6	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 4000	16.7	28.4	34.7	38.3	44.2	44.4	47.7	49.3	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 3500	17.6	31.1	37.6	41.7	47.7	47.8	51.8	53.4	53.6	54.1	54.1	54.3	54.3	54.3	54.3	54.3
≥ 3000	20.3	36.2	43.5	48.9	55.6	55.8	59.7	61.7	62.2	62.9	62.9	63.1	63.5	63.5	63.5	63.5
≥ 2500	21.8	37.8	45.1	50.9	57.7	57.9	62.4	64.4	64.9	65.8	65.8	66.0	66.4	66.4	66.4	66.4
≥ 2000	22.8	40.3	48.0	55.2	62.8	62.9	68.3	70.7	71.4	72.8	72.8	73.2	73.6	73.6	73.6	73.6
≥ 1800	22.8	40.6	48.6	55.9	63.5	63.7	69.4	71.8	72.5	73.9	73.9	74.5	74.8	74.8	74.8	74.8
≥ 1500	24.5	42.3	50.7	59.0	66.7	66.9	73.0	75.4	76.1	78.1	78.1	78.6	79.0	79.0	79.0	79.0
≥ 1200	25.9	44.4	53.8	62.8	71.2	71.4	77.5	80.6	81.5	84.0	84.0	84.7	85.3	85.3	85.3	85.3
≥ 1000	25.9	44.8	54.3	64.0	73.4	73.6	80.0	83.6	84.5	87.4	87.4	88.3	89.2	89.2	89.4	89.4
≥ 900	25.9	44.8	54.3	64.0	73.4	73.6	81.1	84.9	86.2	89.2	89.4	90.3	91.2	91.2	91.4	91.4
≥ 800	25.9	45.1	54.7	64.4	73.9	74.1	81.8	85.6	86.9	90.1	90.5	91.4	92.3	92.3	92.4	92.4
≥ 700	25.9	45.3	54.9	64.6	74.3	74.5	82.6	86.3	87.6	91.0	91.9	92.8	93.7	93.7	93.9	93.9
≥ 600	25.9	45.3	54.9	64.9	75.0	75.2	83.5	88.5	90.3	94.1	95.0	96.0	96.9	96.9	97.1	97.1
≥ 500	25.9	45.3	54.9	64.9	75.0	75.2	83.6	88.8	90.6	94.8	95.7	96.9	97.8	97.8	98.0	98.0
≥ 400	25.9	45.3	54.9	64.9	75.0	75.2	83.6	89.6	91.5	95.9	96.8	98.0	99.1	99.1	99.3	99.3
≥ 300	25.9	45.3	54.9	64.9	75.0	75.2	83.6	89.6	91.5	95.9	96.8	98.2	99.5	99.6	99.8	99.8
≥ 200	25.9	45.3	54.9	64.9	75.0	75.2	83.6	89.6	91.5	95.9	96.8	98.2	99.5	99.6	99.8	99.8
≥ 100	25.9	45.3	54.9	64.9	75.0	75.2	83.6	89.6	91.5	95.9	96.8	98.2	99.5	99.6	100.0	100.0
≥ 0	25.9	45.3	54.9	64.9	75.0	75.2	83.6	89.6	91.5	95.9	96.8	98.2	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 556

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3419 (STATION) ILLESHEIM AAF OL (STATION NAME) 69-70,78 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	5.3	5.3	12.3	19.3	19.3	19.3	21.1	21.1	21.1	21.1	22.8	22.8	22.8	22.8	22.8	22.8
≥ 20000	7.0	7.0	14.0	21.1	21.1	21.1	22.8	22.8	22.8	22.8	24.6	24.6	24.6	24.6	24.6	24.6
≥ 8000	7.0	7.0	14.0	21.1	21.1	21.1	22.8	22.8	22.8	22.8	24.6	24.6	24.6	24.6	24.6	24.6
≥ 6000	7.0	7.0	14.0	21.1	21.1	21.1	22.8	22.8	22.8	22.8	24.6	24.6	24.6	24.6	24.6	24.6
≥ 5000	7.0	7.0	14.0	21.1	21.1	21.1	22.8	22.8	22.8	22.8	24.6	24.6	24.6	24.6	24.6	24.6
≥ 4500	7.0	7.0	14.0	21.1	21.1	21.1	22.8	22.8	22.8	22.8	24.6	24.6	24.6	24.6	24.6	24.6
≥ 4000	7.0	8.8	15.8	22.8	22.8	22.8	24.6	24.6	24.6	24.6	26.3	26.3	26.3	26.3	26.3	26.3
≥ 3500	7.0	8.8	15.8	22.8	24.6	24.6	26.3	26.3	26.3	26.3	28.1	28.1	28.1	28.1	28.1	28.1
≥ 3000	7.0	8.8	15.8	22.8	24.6	24.6	26.3	26.3	26.3	26.3	28.1	28.1	28.1	28.1	28.1	28.1
≥ 2500	8.8	14.0	21.1	28.1	29.8	29.8	31.6	31.6	31.6	31.6	33.3	33.3	33.3	33.3	33.3	33.3
≥ 2000	8.8	14.0	22.8	31.6	33.3	33.3	36.8	36.8	36.8	36.8	38.6	38.6	38.6	38.6	38.6	38.6
≥ 1800	8.8	14.0	22.8	31.6	33.3	33.3	36.8	36.8	36.8	36.8	38.6	38.6	38.6	38.6	38.6	38.6
≥ 1500	10.5	15.8	24.6	33.3	36.8	36.8	40.4	40.4	40.4	40.4	42.1	42.1	42.1	42.1	42.1	42.1
≥ 1200	12.3	19.3	28.1	36.8	40.4	40.4	43.9	43.9	43.9	43.9	45.6	45.6	45.6	45.6	45.6	45.6
≥ 1000	14.0	21.1	29.8	43.9	47.4	47.4	50.9	50.9	50.9	50.9	52.6	52.6	52.6	52.6	52.6	52.6
≥ 900	14.0	22.8	31.6	47.4	50.9	50.9	56.1	56.1	56.1	56.1	57.9	57.9	57.9	57.9	57.9	57.9
≥ 800	14.0	24.6	33.3	49.1	52.6	52.6	57.9	61.4	61.4	63.2	64.9	64.9	64.9	64.9	64.9	64.9
≥ 700	14.0	24.6	33.3	49.1	52.6	52.6	57.9	61.4	61.4	63.2	64.9	64.9	64.9	64.9	64.9	64.9
≥ 600	15.8	26.3	35.1	54.4	57.9	57.9	66.7	70.2	70.2	73.7	75.4	75.4	75.4	75.4	75.4	75.4
≥ 500	17.5	28.1	36.8	59.6	64.9	64.9	75.4	78.9	78.9	82.5	84.2	84.2	84.2	84.2	84.2	84.2
≥ 400	17.5	28.1	36.8	59.6	66.7	66.7	77.2	80.7	80.7	84.2	86.0	87.7	87.7	87.7	89.5	89.5
≥ 300	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	86.0	87.7	89.5	89.5	89.5	91.2	91.2
≥ 200	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	87.7	89.5	91.2	91.2	91.2	93.0	93.0
≥ 100	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	91.2	94.7	96.5	96.5	96.5	98.2	98.2
≥ 0	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	91.2	94.7	96.5	96.5	96.5	98.2	98.2
	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	91.2	94.7	96.5	96.5	98.2	100.0	100.0
	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	91.2	94.7	96.5	96.5	98.2	100.0	100.0
	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	91.2	94.7	96.5	96.5	98.2	100.0	100.0
	17.5	28.1	36.8	61.4	68.4	68.4	78.9	82.5	82.5	91.2	94.7	96.5	96.5	98.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 57

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 69-78 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	6.8	12.8	15.7	17.4	20.7	21.0	23.2	23.8	23.8	24.0	24.1	24.2	24.2	24.2	24.2	24.3
≥ 20000	8.3	15.6	19.0	21.2	25.0	25.4	27.6	28.4	28.4	28.6	28.7	28.8	28.8	28.8	28.8	28.9
≥ 18000	8.4	15.7	19.1	21.5	25.4	25.8	27.9	28.8	28.9	29.1	29.2	29.3	29.3	29.3	29.3	29.4
≥ 16000	8.4	15.7	19.1	21.5	25.4	25.8	28.0	28.8	28.9	29.1	29.3	29.3	29.3	29.3	29.4	29.5
≥ 14000	8.4	15.8	19.2	21.5	25.7	26.0	28.2	29.0	29.2	29.4	29.5	29.6	29.6	29.6	29.6	29.8
≥ 12000	8.4	15.9	19.3	21.6	25.8	26.2	28.4	29.2	29.3	29.5	29.7	29.7	29.7	29.7	29.7	29.9
≥ 10000	8.9	16.4	19.8	22.2	26.4	26.8	29.0	29.8	29.9	30.1	30.3	30.3	30.3	30.3	30.4	30.5
≥ 9000	9.1	16.9	20.3	22.7	27.2	27.5	29.8	30.7	30.8	31.0	31.2	31.2	31.2	31.2	31.3	31.4
≥ 8000	11.5	20.3	23.8	26.5	31.4	31.7	34.2	35.2	35.4	35.6	35.8	35.8	35.8	35.8	35.9	36.0
≥ 7000	12.6	22.2	25.8	28.7	33.6	34.0	36.6	37.6	37.8	38.0	38.2	38.2	38.2	38.2	38.3	38.5
≥ 6000	13.3	23.8	27.7	30.7	35.9	36.3	39.1	40.0	40.2	40.5	40.6	40.7	40.7	40.7	40.7	40.9
≥ 5000	14.1	25.9	29.3	32.6	38.3	38.7	41.9	43.1	43.3	43.5	43.7	43.7	43.7	43.7	43.7	43.9
≥ 4500	14.7	25.9	30.4	33.9	39.8	40.2	43.5	44.9	45.1	45.4	45.6	45.6	45.6	45.7	45.7	45.9
≥ 4000	16.6	28.8	33.7	37.4	43.7	44.1	47.6	49.2	49.4	49.7	49.9	49.9	50.0	50.0	50.0	50.2
≥ 3500	18.0	31.4	36.3	40.4	47.2	47.6	51.6	53.3	53.5	53.8	54.0	54.1	54.1	54.1	54.2	54.4
≥ 3000	20.3	35.4	40.9	45.9	53.8	54.2	58.3	60.1	60.4	60.8	61.0	61.1	61.5	61.6	61.6	61.8
≥ 2500	21.4	37.1	42.9	48.5	56.8	57.2	61.6	63.4	63.7	64.2	64.3	64.5	64.8	64.9	64.9	65.2
≥ 2000	22.7	39.4	45.7	51.8	61.3	61.7	66.5	68.7	69.1	69.7	69.9	70.0	70.4	70.5	70.5	70.7
≥ 1800	22.7	39.6	46.0	52.6	62.1	62.6	67.7	70.0	70.4	71.0	71.2	71.4	71.7	71.8	71.9	72.1
≥ 1500	23.8	41.4	48.2	55.8	65.6	66.0	71.4	73.8	74.2	75.1	75.3	75.5	75.9	76.0	76.1	76.3
≥ 1200	24.9	43.5	50.7	59.1	69.5	70.0	75.6	78.6	79.0	80.4	80.6	81.0	81.4	81.5	81.6	81.8
≥ 1000	25.0	43.8	51.3	60.1	71.7	72.3	78.4	81.9	82.3	84.2	84.6	85.0	85.5	85.6	85.8	86.0
≥ 900	25.0	43.9	51.4	60.5	72.5	73.0	79.7	83.2	83.7	85.7	86.2	86.7	87.2	87.3	87.4	87.7
≥ 800	25.1	44.1	51.7	60.8	73.4	73.9	81.0	84.7	85.3	87.4	88.1	88.8	89.3	89.4	89.6	89.8
≥ 700	25.1	44.2	51.9	61.2	74.0	74.5	82.1	86.1	86.8	89.0	89.9	90.7	91.1	91.3	91.4	91.6
≥ 600	25.1	44.2	52.0	61.5	74.7	75.2	83.3	88.3	89.2	91.6	92.5	93.3	93.8	93.9	94.1	94.3
≥ 500	25.1	44.3	52.1	61.8	74.9	75.4	84.0	89.3	90.3	93.0	94.2	95.0	95.5	95.7	95.9	96.1
≥ 400	25.1	44.3	52.1	61.8	74.9	75.4	84.2	90.3	91.4	94.4	95.6	96.5	97.0	97.2	97.4	97.6
≥ 300	25.1	44.3	52.1	61.8	74.9	75.4	84.2	90.3	91.5	94.8	96.1	97.1	97.8	98.0	98.3	98.6
≥ 200	25.1	44.3	52.1	61.8	74.9	75.4	84.2	90.3	91.6	94.9	96.3	97.4	98.3	98.7	99.0	99.4
≥ 100	25.1	44.3	52.1	61.8	74.9	75.4	84.2	90.3	91.6	94.9	96.3	97.4	98.4	98.8	99.2	99.9
≥ 0	25.1	44.3	52.1	61.8	74.9	75.4	84.2	90.4	91.6	95.0	96.3	97.4	98.5	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2462

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

34190 ILLESHEIM AAF DL 69-79 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL
HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	15.8	25.6	27.6	29.3	31.5	31.6	32.5	33.0	33.2	33.6	33.7	33.8	34.0	34.1	34.2	34.4
≥ 20000	18.9	31.3	33.5	35.7	38.3	38.5	39.6	40.2	40.5	40.9	41.0	41.2	41.3	41.5	41.6	41.9
≥ 18000	19.0	31.4	33.7	35.8	38.5	38.7	39.8	40.4	40.7	41.1	41.3	41.4	41.6	41.8	41.9	42.1
≥ 16000	19.0	31.4	33.7	35.8	38.6	38.7	39.8	40.4	40.7	41.2	41.3	41.4	41.6	41.8	41.9	42.1
≥ 14000	19.0	31.5	33.8	35.9	38.7	38.8	39.9	40.5	40.8	41.3	41.4	41.5	41.7	41.9	42.0	42.2
≥ 12000	19.1	31.8	34.0	36.2	39.0	39.1	40.2	40.8	41.1	41.6	41.7	41.8	42.0	42.2	42.3	42.5
≥ 10000	19.8	33.0	35.4	37.6	40.4	40.6	41.7	42.4	42.7	43.2	43.3	43.4	43.6	43.8	43.9	44.2
≥ 9000	20.3	33.9	36.3	38.6	41.5	41.6	42.8	43.6	43.9	44.3	44.5	44.6	44.8	45.0	45.1	45.3
≥ 8000	22.9	38.1	41.0	43.5	46.9	47.0	48.3	49.1	49.4	49.9	50.1	50.2	50.4	50.6	50.8	51.0
≥ 7000	24.6	41.1	44.1	46.9	50.5	50.6	52.1	53.0	53.3	53.9	54.0	54.2	54.4	54.6	54.7	55.0
≥ 6000	25.4	42.7	45.9	48.8	52.7	52.8	54.4	55.3	55.7	56.2	56.4	56.6	56.8	57.0	57.1	57.4
≥ 5000	26.3	44.1	47.4	50.6	54.7	54.8	56.5	57.5	57.9	58.4	58.6	58.8	59.0	59.2	59.4	59.7
≥ 4500	26.9	45.2	48.6	51.9	56.1	56.2	58.0	59.1	59.4	60.0	60.2	60.4	60.6	60.8	61.0	61.3
≥ 4000	28.6	48.1	51.8	55.4	60.0	60.1	62.1	63.3	63.7	64.4	64.6	64.8	65.0	65.3	65.4	65.7
≥ 3500	30.0	50.6	54.6	58.4	63.4	63.5	65.6	66.9	67.3	68.1	68.3	68.5	68.8	69.0	69.2	69.5
≥ 3000	32.5	54.9	59.3	63.6	69.1	69.3	71.6	73.0	73.5	74.3	74.5	74.7	75.0	75.3	75.5	75.8
≥ 2500	34.0	57.1	61.8	66.5	72.3	72.5	75.0	76.5	76.9	77.8	78.0	78.3	78.6	78.9	79.0	79.3
≥ 2000	35.3	59.4	64.5	69.6	76.1	76.3	79.1	80.7	81.3	82.3	82.5	82.7	83.1	83.4	83.5	83.8
≥ 1800	35.5	59.8	64.9	70.1	76.7	76.9	79.8	81.5	82.0	83.1	83.3	83.6	83.9	84.2	84.3	84.6
≥ 1500	36.2	61.1	66.5	72.0	79.1	79.3	82.4	84.2	84.7	85.9	86.2	86.5	86.8	87.1	87.2	87.6
≥ 1400	36.8	62.2	67.9	73.8	81.5	81.7	85.0	86.9	87.5	88.8	89.1	89.4	89.8	90.1	90.3	90.6
≥ 1000	37.0	62.7	68.5	74.6	82.8	83.0	86.7	88.8	89.5	91.0	91.3	91.6	92.1	92.4	92.6	92.9
≥ 900	37.0	62.8	68.7	74.9	83.3	83.6	87.4	89.7	90.3	91.9	92.3	92.6	93.1	93.4	93.6	93.9
≥ 800	37.1	63.0	68.9	75.2	83.5	84.2	88.4	90.7	91.4	93.2	93.5	93.9	94.4	94.7	94.9	95.2
≥ 700	37.2	63.1	69.1	75.4	84.3	84.6	89.0	91.4	92.2	94.0	94.4	94.8	95.3	95.7	95.8	96.1
≥ 600	37.2	63.1	69.1	75.5	84.5	84.8	89.4	92.0	92.9	94.8	95.2	95.7	96.2	96.6	96.7	97.0
≥ 500	37.2	63.1	69.1	75.5	84.6	84.9	89.7	92.4	93.3	95.4	95.9	96.3	96.9	97.3	97.5	97.8
≥ 400	37.2	63.1	69.1	75.5	84.7	84.9	89.8	92.7	93.6	95.8	96.4	96.8	97.5	97.9	98.1	98.4
≥ 300	37.2	63.1	69.1	75.5	84.7	84.9	89.8	92.7	93.7	96.0	96.5	97.0	97.7	98.2	98.5	98.9
≥ 200	37.2	63.1	69.1	75.5	84.7	84.9	89.8	92.7	93.7	96.0	96.5	97.1	97.8	98.4	98.7	99.2
≥ X	37.2	63.1	69.1	75.5	84.7	84.9	89.8	92.7	93.7	96.0	96.5	97.1	97.8	98.5	98.8	99.7
≥ 0	37.2	63.1	69.1	75.5	84.7	84.9	89.8	92.7	93.7	96.0	96.6	97.1	97.8	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 31181

USAF ETAC FORM NO. 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

   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 colum. Two tables of daily extremes are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   DATA NOT AVAILABLE

   NOTE: Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OL A to present these data may result in differences not exceeding ± 1°F from directly converted values but excludes no Fahrenheit values.

   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.

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 (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). 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

PSYCHROMETRIC SUMMARY

3419 — STATION
ILLESHEIM AAF GE — STATION NAME
70-73 — YEARS
JAN — MONTH

PAGE 1
0000-0400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
50/ 49		1.0	.2															7	7		
48/ 47		.5		.2														4	4	3	2
46/ 45		.7	.3															6	6	3	6
44/ 43	.2	.8	1.0	.2														13	13	7	3
42/ 41	.3	2.6	1.3															27	27	13	8
40/ 39	.3	4.3	1.0															34	34	28	15
38/ 37	1.3	6.3	1.2															51	51	43	20
36/ 35	.2	9.7																60	60	48	46
34/ 33	1.5	6.6	.5															52	52	70	51
32/ 31	2.0	6.1																53	53	61	62
30/ 29	4.3	4.6																54	54	72	79
28/ 27	6.4	2.5	.2															67	67	68	77
26/ 25	3.8	2.0	.3															37	37	31	52
24/ 23	3.0	1.0																24	24	31	35
22/ 21	2.1	1.0																19	19	22	23
20/ 19	3.9																	22	22	25	23
18/ 17	2.0	.2																13	13	12	22
16/ 15	.8	.5																8	8	8	17
14/ 13	1.8	.3																13	13	14	5
12/ 11	2.1	.2																14	14	13	18
10/ 9	2.0	.2																13	13	14	16
8/ 7	.8																	5	5	5	9
6/ 5	.3																	2	2	2	4
4/ 3	.2																	1	1	1	2
2/ 1																					2
0/ -1	1.2																	7	7	7	3
-2/ -3																					1
-4/ -5																					3
TOTAL	42.6	51.0	6.1	.3														606	606	606	606

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4887708	54200	89.4	8.143	606							
Dry Bulb	585408	17964	29.6	9.438	606	1.1	54.0					93
Wet Bulb	547030	17398	28.7	8.865	606	1.1	59.2					93
Dew Point	484104	16258	26.8	8.901	606	1.1	69.5					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	STATION NAME	YEARS	MONTH
34190	ILLESHEIM AAF DL	70-75	JAN

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
52/ 51		.3																2	2		
50/ 49		.6	.1	.1														6	6	3	2
48/ 47		.6	.7	.1														10	10	4	3
46/ 45		2.2	.7															20	20	5	2
44/ 43		2.1	1.6	.1														27	27	22	6
42/ 41		2.7	1.5	.1														29	29	22	19
40/ 39	.6	6.1	1.5															55	55	37	18
38/ 37	.3	6.6	1.5															57	57	64	28
36/ 35	.6	11.8	1.2															92	92	70	70
34/ 33	1.0	5.6	.4															43	43	80	59
32/ 31	2.2	7.2	.1															65	65	65	93
30/ 29	3.1	4.7	.1															54	54	79	78
28/ 27	4.3	3.0	.6															53	53	52	75
26/ 25	2.1	2.1	.1															29	29	26	46
24/ 23	.9	1.8																18	18	24	22
22/ 21	1.9	1.2																21	21	28	17
20/ 19	2.7	.3																20	20	25	31
18/ 17	2.4	.9																22	22	19	32
16/ 15	.9	.4																9	9	11	21
14/ 13	1.5	.1																11	11	11	11
12/ 11	1.0	.3																9	9	9	15
10/ 9	1.0	.3																9	9	8	9
8/ 7	.1																	1	1	3	6
6/ 5	.1																	1	1	1	1
4/ 3	.4																	3	3	3	3
2/ 1	.4																	3	3	3	5
0/ -1	.4																	3	3	3	2
-2/ -3																					2
-4/ -5																					1
TOTAL	28.1	60.9	10.5	.6															677		677
																		677		677	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	5151134	58770	86.8	8.544	677							
Dry Bulb	731831	21341	31.5	9.350	677	.4	45.5					93
Wet Bulb	670746	20476	30.2	8.724	677	.4	50.8					93
Dew Point	580628	18910	27.9	8.807	677	.7	64.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34193 ILLESHEIM AAF DL 70-79 JAN
STATION STATION NAME YEARS MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
54/ 53				.4														3	3		
52/ 51			.9		.1													5	5		
50/ 49		.4	.1															4	4		
48/ 47		.9	.7	.4														14	14	10	1
46/ 45		2.1	1.6	.7														30	30	8	6
44/ 43		1.9	3.0	.6	.3													39	39	27	10
42/ 41	.3	4.6	4.0	.3														62	62	37	23
40/ 39	.3	4.6	2.4		.1													50	50	57	28
38/ 37	.4	6.3	3.3	.1														68	68	61	35
36/ 35	.3	9.4	2.4	.3														83	83	66	59
34/ 33	.4	4.0	1.9	.1														44	44	35	69
32/ 31	1.3	6.7	.7															59	59	75	70
30/ 29	1.3	5.7	.7															52	52	60	84
28/ 27	2.6	2.7	1.2															45	45	48	83
26/ 25	1.3	4.0	.1															37	37	29	43
24/ 23	.6	2.4	.1															21	21	39	30
22/ 21	1.2	1.8																19	19	21	36
20/ 19	.6	1.2																12	12	15	23
18/ 17	.1	.7																6	6	10	29
16/ 15	.3	.3																4	4	5	12
14/ 13		.1																1	1	2	7
12/ 11	.1	.6																5	5	2	5
10/ 9	.3	.3																4	4	7	4
8/ 7	.1	.1																2	2	1	3
6/ 5	.1																	1	1	2	4
4/ 3																					2
2/ 1																					2
0/ -1																					2
TOTAL	12.2	60.9	23.1	3.1														670	670	670	670

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4561783	54897	81.9	9.762	670							
Dry Bulb	825572	22886	34.2	8.094	670		37.2					93
Wet Bulb	735473	21631	32.3	7.448	670		44.3					93
Dew Point	607548	19470	29.1	7.900	670	.3	60.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 70-79 YEARS | JAN MONTH

 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
54/ 53			.3	.2														3	3		
52/ 51			.9															6	6	1	
50/ 49		.2	.8		.2													7	7	5	1
48/ 47		.2	1.3	.2	.2													11	11	6	4
46/ 45		1.6	1.6	.8	.2													26	26	5	5
44/ 43		3.3	2.5	.5														40	40	23	5
42/ 41	.2	3.6	2.5	.3														42	42	37	19
40/ 39	.5	4.2	2.7		.3													49	49	44	25
38/ 37	1.4	6.6	3.5	.2														74	74	73	28
36/ 35	.8	7.5	3.0															72	72	61	70
34/ 33	.3	7.7	.9															60	60	81	69
32/ 31	3.3	8.0	.9															76	76	58	90
30/ 29	1.4	4.7	.3															41	41	66	75
28/ 27	2.0	2.5	1.3															37	37	31	81
26/ 25	1.7	3.0	.6															34	34	34	31
24/ 23	.3	1.4																11	11	25	26
22/ 21	1.3	1.1																15	15	20	31
20/ 19	.4	.8																10	10	11	19
18/ 17	.3	.8																7	7	8	18
16/ 15	.2	.3																3	3	5	11
14/ 13	.2	.9																7	7	3	6
12/ 11		.5																3	3	4	7
10/ 9		.3																2	2	4	8
8/ 7																				1	
6/ 5																					3
4/ 3																					3
2/ 1																					1
TOTAL	14.8	59.3	23.1	2.0	.8														636		636
																		636		636	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4416394	52610	82.7	10.078	636							
Dry Bulb	790261	21875	34.4	7.723	636		36.0					93
Wet Bulb	707348	20720	32.6	7.134	636		43.9					93
Dew Point	590867	18767	29.5	7.643	636		60.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34194 STATION | ILLESHEIM AAF DL STATION NAME | 70-71,79 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
40/ 39		2.3																1	1		
38/ 37	6.8	2.3																4	4	4	1
36/ 35	4.5	2.3	2.3															4	4	3	5
34/ 33		9.1																4	4	3	
32/ 31		4.5																2	2	5	2
30/ 29	2.3	6.8																4	4	4	2
28/ 27	0.0	2.3	2.3															5	5	3	12
26/ 25	4.5	4.5																4	4	4	2
24/ 23		9.1																4	4	4	
22/ 21	6.8	6.8																6	6	7	5
20/ 19	4.5																	2	2	3	6
18/ 17	4.5																	2	2	2	7
14/ 13		2.3																1	1	1	
10/ 9	2.3																	1	1	1	1
8/ 7																					1
TOTAL	43.2	52.3	4.5																44		44
																		44		44	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	355527	3937	89.5	6.700	44							
Dry Bulb	35261	1207	27.4	7.072	44		65.5					93
Wet Bulb	33232	1172	26.6	6.844	44		71.9					93
Dew Point	28876	1084	24.6	7.104	44		80.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3417 STATION | ILLESHEIM AAF DL STATION NAME | (0-7) YEARS | JAN MONTH

 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
54/ 53			.1	.2														6	6		
52/ 51		.1	.4		.0													13	13	1	
50/ 49		.5	.3	.0	.0													24	24	8	3
48/ 47		.5	.7	.2	.0													39	39	28	10
46/ 45		1.0	1.1	.4	.0													82	82	21	19
44/ 43	.0	2.0	2.1	.3	.1													119	119	79	24
42/ 41	.2	3.3	2.4	.2														160	160	109	69
40/ 39	.4	4.8	1.9		.1													189	189	166	86
38/ 37	.9	6.4	2.3	.1														254	254	245	112
36/ 35	.5	9.5	1.7	.1														311	311	248	252
34/ 33	.9	6.0	.9	.0														208	208	319	248
32/ 31	2.2	7.0	.5															255	255	297	317
30/ 29	2.4	5.0	.3															205	205	281	318
28/ 27	4.4	2.7	.3															207	207	202	328
26/ 25	2.2	2.6	.3															141	141	124	174
24/ 23	1.1	1.8	.0															78	78	123	112
22/ 21	1.7	1.3																81	81	99	112
20/ 19	1.9	.6																66	66	79	103
18/ 17	1.3	.6																50	50	51	108
16/ 15	.5	.4																24	24	29	61
14/ 13	.8	.4																33	33	31	29
12/ 11	.6	.4																31	31	28	45
10/ 9	.8	.3																29	29	34	38
8/ 7	.3	.0																8	8	10	19
6/ 5	.2																	4	4	5	12
4/ 3	.2																	4	4	4	10
2/ 1	.1																	3	3	3	10
0/ -1	.4																	10	10	10	7
-2/ -3																					3
-4/ -5																					4
TOTAL	24.4	58.0	15.6	1.5	.3													2634	2634		2634
																				2634	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	19381010	224506	85.2	9.656	2634							
Dry Bulb	2969817	85295	32.4	8.883	2634	2.8	347.1					744
Wet Bulb	2694313	81419	30.9	8.213	2634	2.8	398.3					744
Dew Point	2292421	74509	28.3	8.377	2634	4.0	511.5					744

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 70-74 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
48/ 47				.2														1	1		
46/ 45	.2	1.3	.6	.4														13	13	1	1
44/ 43		2.4	.8	.6														19	19	11	2
42/ 41		3.0	.9	.2														22	22	19	9
40/ 39	.2	4.5	.4															27	27	24	19
38/ 37	2.2	7.6	.2															55	55	43	29
36/ 35	.9	9.5	.9															61	61	60	46
34/ 33	4.9	9.0	.7															78	78	84	61
32/ 31	2.6	5.8	.4															47	47	57	74
30/ 29	2.8	6.3	.4															51	51	61	60
28/ 27	3.0	4.3	.2															40	40	44	45
26/ 25	3.2	6.3																51	51	32	50
24/ 23	1.1	4.7																31	31	44	33
22/ 21	.7	1.1																10	10	23	31
20/ 19	1.3	.2																8	8	10	27
18/ 17	1.3	.2																9	9	9	24
16/ 15	.7	.4																6	6	7	11
14/ 13	.4	.2																3	3	2	5
12/ 11		.2																1	1	2	2
10/ 9																					2
8/ 7	.4																	2	2	2	2
6/ 5	.4																	1	1	1	
4/ 3																					2
2/ 1																					1
TOTAL	26.3	67.2	5.2	1.3														536	536	536	536

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4178607	47137	87.9	7.887	536							
Dry Bulb	570630	17088	31.9	6.952	536		40.7					84
Wet Bulb	530864	16498	30.8	6.565	536		46.1					84
Dew Point	466265	15353	28.6	7.038	536		57.8					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3419 STATION | ILLESHEIM AAF DL STATION NAME | /0-7, YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
50/ 49		.2	.2	.3	.4													5	5		
48/ 47		.2	.8	.8														11	11	1	
46/ 45		1.2	1.0	.2														14	14	3	2
44/ 43		2.5	1.5	.3	.2													27	27	15	4
42/ 41		3.0	.8															23	23	30	5
40/ 39	.2	5.1	2.0															44	44	35	24
38/ 37	.8	9.3	1.8		.2													73	73	45	43
36/ 35	1.7	10.0	2.7															86	86	91	51
34/ 33	2.8	11.4	1.5	.2														96	96	102	74
32/ 31	2.7	7.5	1.0															67	67	79	111
30/ 29	1.8	4.3	1.5															45	46	65	65
28/ 27	2.3	3.0																36	36	38	65
26/ 25	.5	5.5	.2															37	37	34	44
24/ 23		1.8	.2															12	12	31	27
22/ 21	.3	1.3																11	11	14	26
20/ 19	.7	.5																7	7	10	28
18/ 17	.2	.5																4	4	4	18
16/ 15																				2	4
14/ 13		.2																1	1	1	3
12/ 11																					2
10/ 9	.2																	1	1	1	4
8/ 7	.2																	1	1	1	1
6/ 5	.2																	1	1	1	
4/ 3																					1
2/ 1																					1
TOTAL	14.6	56.0	15.1	1.8	.5														603		603
																		603		603	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4375455	51067	84.7	9.175	603							
Dry Bulb	719425	20463	33.9	6.445	603		31.2					84
Wet Bulb	657850	19510	32.4	5.991	603		39.1					84
Dew Point	555986	17900	29.7	6.524	603		55.7					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF BL STATION NAME | 70-74 YEARS | FEB 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
56/ 55			.2	.2	.3	.2												5	5		
54/ 53					.3	.2												3	3		
52/ 51			.2	.3	.8													8	8	1	
50/ 49		.5	.3	.7	.7	.2												14	14	1	
48/ 47		.7	1.5	1.0	.2													20	20	7	2
46/ 45		1.2	1.7	.8	.2													23	23	16	5
44/ 43		2.2	2.9	1.3	.7	.3												44	44	23	2
42/ 41		5.2	4.7	2.7	.3													77	77	46	15
40/ 39		4.7	4.0	1.0	.3													60	60	48	27
38/ 37	.3	6.9	3.9	1.2														76	76	79	53
36/ 35	1.3	6.4	3.7															68	68	88	61
34/ 33	2.2	5.2	2.5	.2														60	60	90	82
32/ 31	.3	4.4	2.4	.2														43	43	59	69
30/ 29		5.2	1.0															37	37	57	67
28/ 27	.7	3.2	1.2	.7														34	34	33	68
26/ 25	.3	2.0	.3															16	16	24	48
24/ 23		.5																3	3	15	39
22/ 21																				5	22
20/ 19																					14
18/ 17		.2																1	1	1	8
16/ 15		.2																1	1	1	3
14/ 13		.2																1	1	1	2
12/ 11																					1
10/ 9																					5
8/ 7																					1
TOTAL	5.7	48.8	30.5	10.3	3.9	.8												594	594	594	594

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3664394	46074	77.6	12.363	594							
Dry Bulb	853548	22184	37.3	6.499	594		19.2					84
Wet Bulb	732993	20593	34.7	5.671	594		27.7					84
Dew Point	580982	18196	30.6	6.306	594		49.1					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GE STATION NAME | 70-79 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
58/ 57					.2	.4												3	3		
56/ 55				.4		.5												5	5		
54/ 53					.4	.4												4	4		
52/ 51			.4	.4	.4	.7												10	10		
50/ 49		.2	.9	2.6	.5		.2	.2										26	26	4	
48/ 47		.5	.9	1.0	.5		.4											22	22	7	1
46/ 45		1.4	2.3	2.3	.9	.4												41	41	20	2
44/ 43	.2	2.3	3.7	2.5	.7													53	53	30	8
42/ 41	.2	4.0	4.4	1.4														57	57	47	13
40/ 39		2.8	4.0	.9	.2													45	45	66	23
38/ 37	.9	4.4	3.5	1.8														60	60	70	47
36/ 35	1.9	9.8	2.8	.2														84	84	78	81
34/ 33	.9	5.3	2.8		.2													51	51	90	63
32/ 31	.1	4.2	1.9															37	37	53	99
30/ 29	.4	3.5	1.1															28	28	34	57
28/ 27	1.1	3.2	1.4															32	32	36	56
26/ 25	.5	.2	.5															7	7	21	41
24/ 23	.2																	1	1	7	31
22/ 21																				3	15
20/ 19	.2																	1	1	1	12
18/ 17		.2																1	1	1	8
16/ 15		.2																1	1	1	1
14/ 13																					5
12/ 11																					5
10/ 9																					1
TOTAL	6.7	42.2	30.4	13.9	3.9	2.3	.5	.2										569		569	
																		569		569	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3383776	43188	75.9	13.644	569							
Dry Bulb	868473	21891	38.5	6.800	569		15.9					84
Wet Bulb	734162	20186	35.5	5.635	569		23.2					84
Dew Point	571237	17683	31.1	6.180	569		48.9					84

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34196	ILLESHEIM AAF GL	20	FEB
STATION	STATION NAME	YEARS	MONTH

1600-2100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
42/ 41		8.0																2	2		
40/ 39		4.0																1	1	2	1
38/ 37	8.0	4.0	4.0															4	4	3	
36/ 35		12.0																3	3	2	3
34/ 33	4.0	4.0	4.0															3	3	4	4
32/ 31		4.0																1	1	2	
30/ 29		12.0																3	3	3	4
28/ 27	4.0	8.0	8.0															5	5	3	3
26/ 25		4.0																1	1	3	3
24/ 23		4.0																1	1	1	
22/ 21																				1	3
20/ 19																					1
18/ 17																					2
16/ 15																					1
14/ 13																					1
12/ 11																					1
10/ 9	4.0																	1	1	1	1
TOTAL	20.0	64.0	16.0																25		25
																		25		25	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	179826	2104	84.2	10.711	25							
Dry Bulb	26558	796	31.9	6.726	25		40.3					84
Wet Bulb	24225	761	30.4	6.646	25		47.0					84
Dew Point	20230	688	27.5	7.349	25		57.1					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GE STATION NAME | 70-79 YEARS | FEB MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
58/ 57					.0	.1												3	3		
56/ 55			.0	.1	.1	.2												10	10		
54/ 53					.2	.1												7	7		
52/ 51			.1	.2	.3	.2												18	18	1	
50/ 49		.2	.3	.9	.3	.0	.0	.0										45	45	5	
48/ 47		.3	.6	.9	.2		.1											54	54	15	3
46/ 45	.0	1.2	1.4	.9	.3	.1												91	91	40	10
44/ 43	.0	2.3	2.1	1.2	.4	.1												143	143	79	16
42/ 41	.0	3.9	2.7	1.1	.1													181	181	142	42
40/ 39	.1	4.3	2.6	.5	.1													177	177	175	94
38/ 37	1.2	7.1	2.4	.7	.0													268	268	239	172
36/ 35	1.5	9.0	2.3	.0														303	303	319	242
34/ 33	2.7	7.7	1.9	.1	.0													289	289	372	284
32/ 31	1.9	5.5	1.4	.0														195	195	250	355
30/ 29	1.2	4.9	1.0															165	165	220	253
28/ 27	1.8	3.6	.8	.2														147	147	154	237
26/ 25	1.1	3.5	.3															112	112	114	186
24/ 23	.3	1.7	.0															48	48	98	130
22/ 21	.3	.6																21	21	46	97
20/ 19	.3	.2																16	16	21	82
18/ 17	.4	.3																15	15	15	58
16/ 15	.2	.2																8	8	11	21
14/ 13	.1	.1																5	5	4	15
12/ 11		.0																1	1	2	10
10/ 9	.1																	2	2	2	13
8/ 7	.1																	3	3	3	4
6/ 5	.1																	2	2	2	
4/ 3																					3
2/ 1																					2
TOTAL	13.2	56.5	20.5	6.8	2.1	.8	.1	.0											2329		2329
																		2329		2329	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	15798499	189751	81.5	12.065	2329							
Dry Bulb	3041019	82493	35.4	7.153	2329		213.5					672
Wet Bulb	2677339	77615	33.3	6.245	2329		271.8					672
Dew Point	2197748	69884	30.0	6.580	2329		423.9					672

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 STATION | ILLESHEIM AAF GL STATION NAME | 9-72 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
54/ 53			.3	.2														3	3		
52/ 51			.9	.3														7	7	1	
50/ 49		.7	1.0															10	10	2	1
48/ 47		1.5	.3	.2														12	12	14	2
46/ 45	.3	4.3	1.7	.2														38	38	18	14
44/ 43	1.0	2.4	1.4	.5														31	31	35	30
42/ 41	.5	3.1	2.0	.5														36	36	28	21
40/ 39	.2	4.9	2.7															50	50	35	37
38/ 37	1.2	8.0	.3															56	56	58	24
36/ 35	2.0	10.9	.3															78	78	36	59
34/ 33	3.8	4.1	1.2	.2														54	54	78	90
32/ 31	1.5	4.9	.5															41	41	34	67
30/ 29	1.4	4.8	.5															39	39	54	48
28/ 27	3.4	4.1	.3															45	46	44	45
26/ 25	1.4	2.7	.7															28	28	24	30
24/ 23	.5	1.0																9	9	22	30
22/ 21	.7	1.7																14	14	12	21
20/ 19	.7	.5																7	7	12	12
18/ 17	.3																	2	2	4	17
16/ 15	1.5																	9	9	9	12
14/ 13	.5																	3	3	3	11
12/ 11	.2	.2																2	2	1	2
10/ 9	.7																	4	4	5	4
8/ 7	.3																	2	2	2	1
6/ 5	.3																	2	2	2	3
4/ 3	.3																	2	2	2	4
2/ 1	.2																	1	1	1	
0/ -1																					1
TOTAL	23.7	59.9	14.3	2.0														586	586		586
																		586		586	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4480069	50951	86.9	9.248	586							
Dry Bulb	739417	20195	34.5	8.618	586		33.5					93
Wet Bulb	679363	19383	33.1	5.085	586		36.7					93
Dew Point	599116	18084	30.9	8.376	586	.2	48.9					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

3419 — STATION
ILLESHEIM AAF GE — STATION NAME
-67 — YEARS
MAR — MONTH

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
64/ 63						.1												1	1		
62/ 61					.3													2	2		
60/ 59					.3													2	2		
58/ 57				.6	.4	.7												12	12		
56/ 55				.9	1.0	.1												14	14	1	
54/ 53			.4	1.4	.4	.1												17	17	3	
52/ 51			2.0	.4	.6													21	21	6	
50/ 49		.9	1.3	2.6	.1													34	34	25	2
48/ 47		1.3	2.4	1.0	.3													35	35	33	8
46/ 45	.1	3.9	2.9	1.3														57	57	32	35
44/ 43		2.6	3.0	1.1	.1													48	48	64	32
42/ 41		3.9	2.3	.1	.3													46	46	50	26
40/ 39	.3	3.7	2.9	.3	.1													51	51	62	55
38/ 37	1.1	4.3	3.6	.6	.1													68	68	68	64
36/ 35	1.0	5.2	2.7	1.0														69	69	59	79
34/ 33	2.1	4.1	2.4	.1														62	62	78	78
32/ 31	.9	3.4	3.1	.3														54	54	62	64
30/ 29	.1	3.9	.7	.4														36	36	46	49
28/ 27	1.1	2.7	.4															30	30	50	51
26/ 25		1.0																7	7	19	35
24/ 23	.1	1.0																8	8	11	32
22/ 21	.4	.3																5	5	9	34
20/ 19	.6	.1																5	5	6	22
18/ 17	.4	.3																5	5	5	10
16/ 15	.7	.1																6	6	5	7
14/ 13		.1																1	1	1	10
12/ 11	.3																	2	2	3	3
10/ 9																					2
8/ 7	.1																	1	1	1	1
TOTAL	9.0	42.8	30.2	12.2	4.1	1.1													699		699
																		699		699	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4409147	54811	78.4	12.623	699							
Dry Bulb	1115741	27227	39.0	8.894	699		21.3					93
Wet Bulb	958730	25314	36.2	7.756	699		29.0					93
Dew Point	730037	22681	32.4	7.948	699		42.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34137 STATION — ILLESHEIM AAF GE STATION NAME — 0-7 YEARS — MAR 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
68/ 67							.1	.1		.1								3	3		
66/ 65					.1	.4	.7		.1	.1								11	11		
64/ 63						.9	.6	.1	.3									13	13		
62/ 61					1.2	.7	.9	.3										19	19		
60/ 59				.1	.3	.9	1.2	.1										18	18		
58/ 57				.4	.9	.6	.9											19	19	2	
56/ 55			.4	1.2	1.3	1.2												29	29	7	
54/ 53			.3	.9	2.0	.3												24	24	21	
52/ 51			1.2	1.3	1.0	.1												25	25	20	1
50/ 49			1.0	1.7	.9	.1												26	26	33	5
48/ 47		2.0	1.9	2.0	1.9	.3												56	56	43	14
46/ 45		1.3	3.2	2.8	1.7	.4		.3										67	67	55	26
44/ 43		1.6	2.5	2.3	1.3		.3											55	55	50	42
42/ 41	.1	1.7	2.6	1.3	1.5													51	51	72	34
40/ 39		2.5	2.3	2.0	.6	.1												55	55	49	61
38/ 37	1.2	2.6	2.3	3.1														66	66	61	51
36/ 35	.4	2.9	2.0	1.2	.4													48	48	66	83
34/ 33	.6	1.5	2.0	.3														30	30	64	71
32/ 31	.3	1.5	1.6	.3														25	25	58	39
30/ 29	.1	1.9	.7															20	20	40	43
28/ 27	.3	1.5	.1															13	13	23	68
26/ 25		.6																4	4	11	36
24/ 23		.3																2	2	4	41
22/ 21		.1	.1															2	2		36
20/ 19	.4	.1	.1															5	5	4	14
18/ 17		.1																1	1	3	6
16/ 15																				1	2
14/ 13																					3
12/ 11																					5
10/ 9																					3
8/ 7																					2
6/ 5																					1
TOTAL	3.6	22.3	25.6	21.0	15.3	6.1	4.4	1.0	.4	.3								687		687	687

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3261369	46079	67.1	15.776	687							
Dry Bulb	1388808	30172	43.9	9.636	687		9.7	.4				93
Wet Bulb	1089715	26857	39.1	7.615	687		19.5					93
Dew Point	787720	22594	32.9	8.058	687		40.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34192 STATION | ILLESHEIM AAF GE STATION NAME | 9-72 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
70/ 69								.3										2	2		
68/ 67						.8	.6	.9	.3	.3	.2							20	20		
66/ 65					.2	.3	.5	.2	.3									9	9		
64/ 63					.2	1.7	.9	1.1	.3									27	27		
62/ 61				.2	.3	.3	.8	.8										18	18		
60/ 59				.2	.5	.6	.5	.5										14	14	1	
58/ 57				.6	.3	1.1	.5											16	16	8	
56/ 55			.2	.5	1.4	1.4	.5											25	25	11	
54/ 53			.2	.6	1.7	1.2												24	24	26	1
52/ 51		.2	1.1	.9	1.9	.9	.2											30	30	18	2
50/ 49		.6	1.9	2.5	1.5	.5	.5											48	48	33	9
48/ 47		.3	2.0	2.0	2.2	.2												43	43	53	16
46/ 45		1.7	2.8	1.9	1.7	.5	.6	.2										60	60	44	28
44/ 43		2.5	1.7	1.1	2.6													51	51	58	28
42/ 41		1.4	2.0	2.6	1.1													46	46	57	26
40/ 39		2.6	2.9	1.3	.5	.2												50	50	52	62
38/ 37	1.1	2.8	1.9	2.5														53	53	55	54
36/ 35	.2	1.4	2.3	1.1	.3													34	34	79	78
34/ 33	.3	2.6	1.9	.2	.3													34	34	51	59
32/ 31	.2	2.0	.9															20	20	51	60
30/ 29		.6																4	4	25	35
28/ 27	.5	1.1																10	10	9	66
26/ 25		.6																4	4	8	34
24/ 23																				3	31
22/ 21		.3	.5															5	5	1	30
20/ 19	.2																	1	1	4	12
18/ 17																				1	5
16/ 15																					2
14/ 13																					4
12/ 11																					4
10/ 9																					2
TOTAL	2.3	20.7	22.1	16.2	17.0	9.1	5.4	3.9	.9	.3	.2								648		648
																		648		648	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2838060	41500	64.0	16.692	648							
Dry Bulb	1427177	29697	45.8	10.115	648		6.3	3.2				93
Wet Bulb	1086672	26074	40.2	7.615	648		14.6					93
Dew Point	760608	21606	33.3	7.883	648		40.9					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

34190 STATION | ILLESHEIM AAF DE STATION NAME | C YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
52/ 51					3.2													1	1		
50/ 49			3.2															1	1		
48/ 47		6.5																2	2		
46/ 45		3.2	3.2	3.2														3	3	4	1
44/ 43			3.2	3.2														2	2	1	2
42/ 41																				2	1
40/ 39		6.5		6.5														4	4	1	
38/ 37		6.5	9.7															5	5	1	3
36/ 35		6.5	6.5															4	4	3	2
34/ 33		3.2	3.2															2	2	7	3
32/ 31		3.2																1	1	2	2
30/ 29		3.2	3.2															2	2	3	2
28/ 27	9.7	3.2																4	4	3	8
26/ 25																				3	2
24/ 23																					1
22/ 21																					2
20/ 19																					1
18/ 17																					1
TOTAL	9.7	41.9	32.3	12.9	3.2													31		31	
																			31		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	187779	2377	76.7	13.561	31							
Dry Bulb	45951	1175	37.9	6.867	31		21.0					93
Wet Bulb	39377	1089	35.1	6.114	31		30.0					93
Dew Point	30958	956	30.8	7.015	31		57.0					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

34139 STATION | ILLESHEIM AAF GL STATION NAME | 0-7 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
70/ 69								.1										2	2		
68/ 67						.2	.2	.3	.1	.1	.0							23	23		
66/ 65					.1	.2	.3	.0	.1	.0								20	20		
64/ 63					.3	.7	.4	.3	.2									41	41		
62/ 61				.0	.6	.3	.3	.3										39	39		
60/ 59				.1	.3	.4	.4	.2										34	34	1	
58/ 57				.4	.4	.6	.3											47	47	10	
56/ 55			.2	.6	1.0	.7	.1											65	68	19	
54/ 53			.3	.8	1.1	.4												68	68	50	1
52/ 51		.0	1.3	.8	.9	.2	.0											84	84	45	3
50/ 49		.5	1.3	1.7	.9	.2	.1											119	119	93	17
48/ 47		1.4	1.7	1.3	1.1	.1												148	148	143	40
46/ 45	.1	2.2	2.7	1.6	.9	.2	.2	.1										225	225	153	104
44/ 43	.2	2.2	2.2	1.3	1.0		.1											187	187	208	134
42/ 41	.2	2.5	2.3	1.1	.7													179	179	209	108
40/ 39	.3	3.4	2.5	1.1	.3	.1												210	210	199	215
38/ 37	1.1	4.3	2.3	1.5	.0													248	248	245	196
36/ 35	.9	4.9	2.0	.8	.2													233	233	293	301
34/ 33	1.9	3.1	1.9	.2	.1													182	182	278	301
32/ 31	.7	2.9	1.6	.2														141	141	207	232
30/ 29	.4	2.8	.5	.1														101	101	165	177
28/ 27	1.9	2.3	.2															103	103	129	238
26/ 25	.3	1.2	.2															43	43	64	137
24/ 23	.2	.6																19	19	40	135
22/ 21	.3	.6	.2															26	26	22	123
20/ 19	.3	.2	.0															18	18	26	61
18/ 17	.2	.1																8	8	13	39
16/ 15	.3	.0																15	15	15	23
14/ 13	.1	.0																4	4	4	26
12/ 11	.1	.0																4	4	4	14
10/ 9	.2																	4	4	5	11
8/ 7	.1																	3	3	3	4
6/ 5	.1																	2	2	2	2
4/ 3	.1																	2	2	2	4

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

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GL STATION NAME | 9-73 YEARS | MAR MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
2/ 1																		1	1	1	
0/ -1	.0																				1
TOTAL	1.0	35.8	23.5	13.7	9.2	4.1	2.5	1.2	.3	.2	.0							2651	2651	2651	2651

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	15176424	195715	73.8	16.563	2651							
Dry Bulb	4717094	108466	40.9	10.264	2651		138.6	7.0				744
Wet Bulb	3853857	98717	37.2	8.193	2651		197.9					744
Dew Point	2958439	85921	32.4	8.095	2651	.3	345.5					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
3419[illegible]	ILLESHEIM AAF OL	9-7[illegible]	APR

PAGE 1 — HOURS (L. S. T.): 0600-0800

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
60/ 59						.2												1	1		
58/ 57				.2	.2	.2												3	3		
56/ 55		.2	.2	.4	.2	.2												6	6		
54/ 53		.7	1.8	.7	.7	.5												25	25	1	
52/ 51		.4	1.8	.4														14	14	11	2
50/ 49		2.5	.7	.5														21	21	22	8
48/ 47	.2	3.1	1.6	.4														29	29	29	15
46/ 45		5.8	1.6	1.4	.2													50	50	31	38
44/ 43	.2	3.4	3.1	.5														40	40	44	25
42/ 41	.4	4.7	2.9	.5														47	47	40	28
40/ 39	1.3	6.9	3.1															62	62	55	51
38/ 37	2.2	5.6	2.2	.7														59	59	63	44
36/ 35	2.2	7.4	3.4															73	73	68	73
34/ 33	1.6	6.0	1.6	.4														53	53	76	58
32/ 31	1.4	4.7	.5															37	37	54	58
30/ 29	.7	2.9																20	20	39	55
28/ 27	.9	.5	.2															9	9	14	58
26/ 25	.2	.2																2	2	3	19
24/ 23		.4																2	2	1	11
22/ 21		.2																1	1	2	5
20/ 19																				1	4
18/ 17																					2
TOTAL	11.4	55.4	24.7	6.1	1.3	1.1												554	554	554	554

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	3869859	45895	82.8	11.071	554							
Dry Bulb	914791	22183	40.0	6.929	554		11.5					90
Wet Bulb	815516	20974	37.9	6.229	554		18.5					90
Dew Point	703816	19406	35.0	6.594	554		34.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34193 STATION | ILLESHEIM AAF PL STATION NAME | 9-73 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69								.1										1	1		
68/ 67							.3	.3		.1								5	5		
66/ 65					.1		.1	.3										4	4		
64/ 63					.6	.3	.1	1.3	.3									16	16		
62/ 61					.6	.6	.9	.3										16	16		
60/ 59				.4		1.2	.4	.3										16	16		
58/ 57			.3	1.2	1.2	1.0	.6											29	29	2	
56/ 55			.9	2.1	1.2	.6	.6											36	36	7	
54/ 53			1.0	1.8	2.4	1.2	.1											44	44	14	
52/ 51		.7	3.1	1.2	1.2	.6	.1											47	47	29	2
50/ 49		1.9	3.3	3.1	1.0	.1	.1											65	65	63	11
48/ 47		.9	2.1	1.5	1.5	.1	.1											42	42	73	32
46/ 45		3.0	3.1	2.2	1.0	.1												64	64	57	53
44/ 43		1.3	3.0	2.2	.3	.4												49	49	70	32
42/ 41		2.7	2.1	1.9	.3													47	47	48	44
40/ 39		3.6	4.0	.4	.4	.1												58	58	68	64
38/ 37	.1	3.9	4.0	.7														53	53	69	81
36/ 35	.3	3.4	2.2	.9	.1													47	47	64	73
34/ 33	.7	1.5	.4	.4														21	21	62	70
32/ 31	.1	.3	.1															4	4	30	62
30/ 29	.3	.4																5	5	12	60
28/ 27																				1	47
26/ 25																					13
24/ 23																					4
22/ 21																					7
20/ 19																					8
18/ 17																					3
16/ 15																					1
14/ 13																					2
TOTAL	1.6	22.9	29.9	20.3	12.1	6.6	3.7	2.4	.3	.1									669		669
																		669		669	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3315659	45969	68.7	15.381	669							
Dry Bulb	1498112	31174	46.6	6.250	669		1.2	.8				90
Wet Bulb	1192617	27925	41.7	6.356	669		5.8					90
Dew Point	903315	24157	36.1	6.815	669		27.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3419 STATION | ILLESHEIM AAF GL STATION NAME | 9-7[illegible] YEARS | APR MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31							
76/ 75											.2								1	1		
72/ 71								.2	.2	.3									7	7		
70/ 69								.3	.9	.9									14	14		
68/ 67							.2	.3	.5	.6									10	10		
66/ 65						.6	.8	.9	.9	.6									25	25		
64/ 63					.3	1.4	1.4	1.7	.5	.2									35	35		
62/ 61					.0	1.7	1.2	1.1		.2									31	31		
60/ 59				.2	1.4	.9	1.5	.8											31	31		
58/ 57			.3	.5	.9	1.4	1.7	.2											32	32	4	
56/ 55			.9	1.2	.0	2.3	.3	.2											36	36	18	
54/ 53			2.0	1.7	1.7	1.8	.5	.3											52	52	35	
52/ 51		.2	2.7	.9	.9	1.4	.2		.2										42	42	64	3
50/ 49		.2	.9	1.7	1.1	.6	.8												34	34	63	5
48/ 47		.6	1.5	2.0	.6	.9													37	37	59	29
46/ 45		1.4	2.9	4.1	1.8	1.2	.2												76	76	65	43
44/ 43		1.1	3.0	3.8	.0		.2												57	57	48	47
42/ 41		1.2	2.4	2.3	.8	.6													48	48	55	47
40/ 39		1.8	2.9	.5	.5	.2													38	38	72	62
38/ 37	.2	2.1	1.4	.9	.3	.3													34	34	69	53
36/ 35	.2	1.4	.5																13	13	58	83
34/ 33	.5	.5																	6	6	30	72
32/ 31	.3	.5																	5	5	20	64
30/ 29																					3	56
28/ 27																					1	47
26/ 25																						11
24/ 23																						11
22/ 21																						9
20/ 19																						7
18/ 17																						6
16/ 15																						4
14/ 13																						2
12/ 11																						2
10/ 9																						1

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

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3419[illegible] STATION | ILLESHEIM AAF GE STATION NAME | 59-7[illegible] YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	1.	110.	721.	219.	411.	915.	1	8.6	5.7	3.5	1.7	.2						664		664	664
																		664		664	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2516567	39215	59.1	17.303	664							
Dry Bulb	1757491	33585	50.6	9.415	664		.7	4.3	.1			90
Wet Bulb	1284939	28885	43.5	6.545	664		3.3					90
Dew Point	873242	23598	35.5	7.238	664		29.8					90

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

3419 STATION | ILLESHEIM AAF GL STATION NAME | 0-7c YEARS | APR MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73									.3									2	2		
72/ 71									1.7	.5	.8							19	19		
70/ 69							.3	.3	.6	.6	.2							13	13		
68/ 67						.3	.6	.8	.9	.3	.3							25	26		
66/ 65							1.1	1.1	1.6	.6	.2							29	29		
64/ 63					.2	1.1	1.3	.9	.6	.2								27	27		
62/ 61					.3	.9	1.4	1.1	.6									28	28		
60/ 59				.8	1.1	1.1	1.6	.5										32	32		
58/ 57		.2	.6	.5	1.1	.8	1.3	.5	.3									33	33	10	
56/ 55			1.1	.8	1.3	1.1	1.1	.3	.3									38	38	18	
54/ 53		.2	1.4	2.4	1.4	2.7	.6	.5										58	58	42	1
52/ 51		.2	1.7	.9	1.3	.2	.5											30	30	66	5
50/ 49		.5	.9	1.7	.5	.8	.2											29	29	66	11
48/ 47		.3	1.9	3.0	2.4	.8	.5											55	55	60	19
46/ 45		1.4	1.9	3.9	2.5	.6												66	66	53	43
44/ 43		.8	2.0	2.7	1.6	.3												47	47	65	44
42/ 41		.9	1.6	1.1	.2	.5												27	27	42	46
40/ 39		1.4	2.7	1.3	.3	.2												37	37	70	52
38/ 37	.3	1.3	1.1	.2														19	19	60	44
36/ 35	.2	1.4	.3															12	12	46	100
34/ 33		.8	.2															6	6	24	58
32/ 31	.4	.3																3	3	14	66
30/ 29		.2																1	1	1	54
28/ 27																					47
26/ 25																					19
24/ 23																					9
22/ 21																					7
20/ 19																					4
18/ 17																					5
14/ 13																					3
TOTAL	.3	9.7	17.4	19.2	14.0	11.0	11.0	4.5	5.8	7.1	3.1	1.4						637	637	637	637

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2268901	36223	56.9	18.131	637							
Dry Bulb	1790014	33188	52.1	9.786	637		.6	8.5	.2			90
Wet Bulb	1277069	28223	44.3	6.469	637		2.1					90
Dew Point	846167	22791	35.8	6.952	637		30.2					90

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | C YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67							3.3											1	1		
66/ 65						3.3												1	1		
60/ 59					3.3													1	1		
56/ 55				3.3														1	1	2	
54/ 53		3.3	3.3			3.3												3	3		
52/ 51		6.7																2	2	2	
50/ 49				3.3														1	1	3	2
48/ 47				13.3														4	4		2
46/ 45			6.7		3.3													3	3	1	3
44/ 43			6.7		3.3													3	3	4	1
42/ 41			3.3	3.3														2	2	3	
40/ 39		3.3	6.7															3	3	2	2
38/ 37			3.3															1	1	3	1
36/ 35		3.3	3.3															2	2	4	5
34/ 33	3.3																	1	1	4	4
32/ 31		3.3																1	1	1	3
30/ 29																					3
28/ 27																					3
26/ 25																					1
TOTAL	3.3	20.0	33.3	23.3	10.0	6.7	3.3											30		30	
																		30		30	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	154324	2104	70.1	14.624	30							
Dry Bulb	67137	1395	46.5	8.846	30		3.0	3.0				90
Wet Bulb	54550	1262	42.1	7.100	30		3.0					90
Dew Point	42014	1102	36.7	7.273	30		30.0					90

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3419? STATION | ILLESHEIM AAF GL STATION NAME | 9-7? YEARS | APR MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76/ 75											.0							1	1		
74/ 73									.1									2	2		
72/ 71								.0	.0	.2	.2							26	26		
70/ 69							.1	.2	.4	.4	.0							28	28		
68/ 67						.1	.3	.3	.4	.5	.1							42	42		
66/ 65					.0	.2	.5	.6	.6	.3	.0							59	59		
64/ 63					.3	.7	.7	.9	.4	.1								78	78		
62/ 61					.4	.8	.9	.6	.2	.0								75	75		
60/ 59				.4	.7	.9	.9	.4										81	81		
58/ 57		.0	.3	.6	.9	.9	.9	.2	.1									97	97	16	
56/ 55		.0	.8	1.2	.8	1.1	.5	.1	.1									117	117	45	
54/ 53		.2	1.0	1.6	1.6	1.6	.3	.2										182	182	92	1
52/ 51		.4	2.3	.9	.9	.5	.2		.0									135	135	173	12
50/ 49		1.2	1.5	1.8	.7	.4	.3											150	150	217	37
48/ 47	.0	1.1	1.8	1.9	1.1	.4	.2											167	167	221	97
46/ 45		2.8	2.5	2.9	1.4	.5	.0											260	260	207	180
44/ 43	.0	1.6	2.8	2.3	.7	.2	.0											196	196	232	149
42/ 41	.1	2.3	2.2	1.5	.3	.3												171	171	188	166
40/ 39	.3	3.3	3.2	.5	.3	.1												198	198	267	231
38/ 37	.7	2.9	2.2	.6	.1	.1												166	166	264	223
36/ 35	.7	3.2	1.6	.2	.0													147	147	240	334
34/ 33	.7	2.0	.5	.2														87	87	196	262
32/ 31	.5	1.3	.2															50	50	119	253
30/ 29	.2	.8																26	26	55	228
28/ 27	.2	.1	.0															9	9	16	202
26/ 25	.0	.0																2	2	3	63
24/ 23		.1																2	2	1	35
22/ 21		.0																1	1	2	28
20/ 19																				1	23
18/ 17																					16
16/ 15																					5
14/ 13																					7
12/ 11																					2
10/ 9																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34157 STATION | ILLESHEIM AAF GL STATION NAME | 9-72 YEARS | APR MONTH

ALL HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	3.	423.	523.	410.	310.	1	6.7	5.8	3.9	2.7	.5	.4						2555	2555	2555	2555

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	12134271	169499	66.3	18.664	2555							
Dry Bulb	6029570	121570	47.6	9.797	2555		25.4	27.9	.8			720
Wet Bulb	4626540	107312	42.0	0.836	2555		55.5					720
Dew Point	3370318	91094	35.7	6.928	2555		243.2					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
34193	ILLESHEIM AAF DL	69-73	MAY

PAGE 1 — 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 71						.2												1	1		
70/ 69						.2												1	1		
68/ 67				.2														1	1		
66/ 65				.2	.2	.2												3	3		
64/ 63			.2	.9		.4												8	8	1	
62/ 61			.9	1.5	.6	.9												21	21	2	
60/ 59		.7	.7	1.5	.4													18	18	5	1
58/ 57	.2	2.9	2.2	.9	.4													36	36	15	4
56/ 55	.2	2.6	2.4	4.2	.2													52	52	38	14
54/ 53	.2	3.9	5.7	3.1	.4													72	72	43	30
52/ 51	.7	4.4	5.7	.9	.2	.2												66	66	55	40
50/ 49	.2	4.2	2.9	1.1														46	46	80	47
48/ 47	1.1	5.9	2.9	.6	.6													60	60	75	64
46/ 45	1.5	7.9	2.6	.2														66	66	70	98
44/ 43	1.1	3.9	2.0	.4														40	40	65	75
42/ 41	.4	3.3	.2	.2														22	22	35	54
40/ 39	.2	2.0	.2	.2														14	14	27	37
38/ 37	.6	1.1	.2															10	10	18	33
36/ 35	.4	.9	.2															8	8	12	24
34/ 33																				3	10
32/ 31																				1	8
30/ 29																					3
28/ 27																					1
26/ 25																					2
TOTAL	6.0	43.7	29.0	16.0	2.8	2.0												545	545	545	545

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3680338	44358	81.4	11.344	545							
Dry Bulb	1408224	27486	50.4	6.362	545			.5				93
Wet Bulb	1246029	25887	47.5	5.494	545		.2					93
Dew Point	1107956	24370	44.7	5.790	545		2.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
34197	ILLESHEIM AAF OL	9-7[illegible]	MAY

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
80/ 79									.3									2	2		
78/ 77							.2	.2	.2									3	3		
76/ 75							.3	.2	.2									4	4		
74/ 73						.2	.2	.2	.6									7	7		
72/ 71						.9	.6	.3	.2									13	13		
70/ 69					.2	.6	.8	.6	.2									15	15		
68/ 67				.3	1.2	2.3	1.2	.3										35	35		
66/ 65			.3	.6	1.5	.8	.6	.2										26	26	1	
64/ 63			.6	2.4	1.4	1.5	1.2	.6										51	51	9	
62/ 61		.6	.6	1.8	2.7	1.5	.6											52	52	16	
60/ 59		.2	.9	2.1	2.4	.8	.6											46	46	34	2
58/ 57		.6	1.4	3.3	2.4	1.5	.5											67	67	55	17
56/ 55		1.8	2.7	3.8	2.7	.5	.3											78	78	54	22
54/ 53		2.7	2.6	3.5	1.8	.9	.2											77	77	73	38
52/ 51		1.4	2.7	1.4	.8	.5												44	44	96	57
50/ 49		1.7	4.9	1.7	.6	.2												59	59	88	75
48/ 47	.2	1.8	1.4	.3	.2													25	25	38	67
46/ 45	.3	2.9	.9	.5														30	30	68	115
44/ 43		.5	.8	.5	.2													12	12	33	82
42/ 41		.3	.2		.2													4	4	19	47
40/ 39		.8	.3		.2													8	8	14	47
38/ 37		.2																1	1	6	34
36/ 35																				3	24
34/ 33																				1	7
32/ 31																				1	11
30/ 29																					9
28/ 27																					3
22/ 21																					1
20/ 19																					1
TOTAL	.5	15.3	20.2	22.6	18.4	12.0	7.1	2.4	1.5										659		659
																		659		659	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3088398	44044	66.8	14.831	659							
Dry Bulb	2171121	37497	56.9	7.554	659			11.1	2.3	.1		93
Wet Bulb	1721291	33475	50.8	5.632	659		.1					93
Dew Point	1379767	29867	45.3	6.303	659		3.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3419 STATION | ILLESHEIM AAF GE STATION NAME | 67-76 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
84/ 83									.2	.2								2	2		
82/ 81								.3		.3								4	4		
80/ 79						.2	.2		.2	.2		.3						6	6		
78/ 77							.2	.6	.3	.3	.2							9	9		
76/ 75							.3	.6	.9	.3	.2							15	15		
74/ 73						.2	.9	1.1	1.2	.2	.2	.2						25	25		
72/ 71					.2	.6	1.1	1.2	.9	.3								28	28		
70/ 69				.2	.2	1.7	.9	2.6	.2	.3								39	39	2	
68/ 67					.5	1.7	1.7	.6	.2									30	30	4	
66/ 65			.2	.5	1.1	1.7	3.4	1.2	.8									57	57	2	
64/ 63			.5	1.2	1.6	2.2	2.5	1.9	.3	.2								66	66	14	1
62/ 61			.5	.3	.9	2.2	1.1	.5	.3									37	37	22	3
60/ 59		.3	1.1	1.2	2.6	2.3	1.1	.2										55	55	51	5
58/ 57		.6	.9	1.7	2.0	1.9	.6	.8										55	55	61	8
56/ 55		.6	1.2	1.7	2.3	1.2	.2											47	47	69	26
54/ 53		1.1	1.9	1.9	1.7	1.1	.2											50	50	73	36
52/ 51		1.1	1.9	.8	1.2	.3												34	34	62	46
50/ 49		.6	1.7	.2	.3													18	18	78	42
48/ 47	.2	2.6	.9	.3	.6													29	29	71	58
46/ 45		2.0	.5	.3	.3	.3												22	22	54	121
44/ 43	.2	.2	.3	.2		.2												5	6	29	79
42/ 41		.5	.3	.2														6	6	11	52
40/ 39		.5																3	3	11	59
38/ 37																				5	31
36/ 35																				3	28
34/ 33																				1	16
32/ 31																					13
30/ 29																					10
28/ 27																					5
26/ 25																					1
18/ 17																					3
TOTAL	.3	10.1	11.7	10.6	15.6	17.4	14.3	11.7	5.3	2.2	.5	.5							643		643	643
																		643		643	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2334117	37221	57.9	16.722	643							
Dry Bulb	2407490	38940	60.6	8.763	643			22.9	8.8	1.3		93
Wet Bulb	1761593	33437	52.0	5.962	643			.9				93
Dew Point	1304045	28625	44.5	8.804	643		4.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAF, TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34196 STATION | ILLESHEIM AAF DL STATION NAME | 59-74 YEARS | MAY MONTH

PAGE 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
88/ 87										.2								1	1		
86/ 85										.3	.2							3	3		
84/ 83								.2		.2	.3	.2						5	5		
82/ 81								.2	.3	.7	.3	.2						11	11		
80/ 79									.3		.2	.2						4	5		
78/ 77								.3	.2	.3	.2	.2						7	7		
76/ 75							.2	.8	.8	1.3	.2	.3	.2					23	23		
74/ 73					.2		.7	.7	2.3	.3								25	25		
72/ 71				.2	.2	.5	1.0	2.3	1.6	.3	.3							40	40		
70/ 69						.7	1.8	1.8	1.0	.3								35	35	5	
68/ 67				.2	.7	2.0	2.0	1.8	.5	.5								46	46		
66/ 65				.7	.3	1.2	3.5	1.3	.7									46	46	6	
64/ 63				1.2	.3	2.3	2.2	1.3	.5									47	47	17	2
62/ 61		.2	.8	.7	2.7	1.8	.8	.3	.2									45	45	23	3
60/ 59		.3	.8	1.3	1.7	1.0	1.8		.2									43	43	40	2
58/ 57		.7	1.2	1.5	2.2	1.7	.7	.5										50	50	76	9
56/ 55		.2	.8	2.2	1.5	2.2	.5											44	44	62	20
54/ 53		1.0	1.8	1.8	.7	1.7												42	42	85	30
52/ 51		.7	1.7	1.0	.3	.2												24	24	73	42
50/ 49		.8	1.2	.2	.2													14	14	73	52
48/ 47	.3	1.7	.5	.2	.2													17	17	51	66
46/ 45		1.2		.3		.3												11	11	42	110
44/ 43		.3	.3	.3		.2												7	7	18	69
42/ 41			.2															1	1	5	47
40/ 39		.7	.2															5	5	4	43
38/ 37																				7	26
36/ 35																				3	34
34/ 33																					15
32/ 31																					16
30/ 29																					5
28/ 27																					1
24/ 23																					1
20/ 19																					2
18/ 17																					1

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

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-76 YEARS | MAY MONTH

PAGE 2 | 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
TOTAL	.1	7.7	9.6	11.7	11.2	15.8	15.3	11.7	8.9	4.7	1.8	1.0	.2					596	597	596	596

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1973974	32736	54.9	17.194	590							
Dry Bulb	2374097	37251	62.4	9.136	597			31.3	12.5	3.4		93
Wet Bulb	1681105	31463	52.8	5.822	596			.8				93
Dew Point	1214303	26609	44.6	6.651	596		4.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34193 STATION | ILLESHEIM AAF GL STATION NAME | 20 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75											3.8							1	1		
72/ 71									3.8									1	1		
68/ 67								3.8	3.8									2	2		
66/ 65							7.7											2	2		
64/ 63				3.8	3.8	3.8	11.5											6	6		
62/ 61					7.7		3.8											3	3		
60/ 59					3.8													1	1		
58/ 57						3.8												1	1	2	
56/ 55			3.8	3.8														2	2	5	
54/ 53						3.8												1	1	5	
52/ 51			3.8															1	1	4	1
50/ 49						3.8												1	1	2	1
48/ 47		7.7																2	2	3	2
46/ 45		3.8																1	1	2	9
44/ 43				3.8														1	1	1	5
42/ 41																				1	1
40/ 39																					3
38/ 37																				1	1
36/ 35																					1
30/ 29																					2
TOTAL		11.5	7.7	11.5	15.4	15.4	23.1	3.8	7.7		3.8								26		26
																		26		26	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	90230	1468	56.5	17.140	26							
Dry Bulb	93382	1544	59.4	8.227	26			14.3	3.6			93
Wet Bulb	67535	1319	50.7	4.984	26							93
Dew Point	48264	1112	42.8	5.309	26		7.2					93

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 ILLESHEIM AAF GL 59-73 MAY
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
88/ 87										.0								1	1		
86/ 85										.1	.0							3	3		
84/ 83								.0	.0	.1	.1	.0						7	7		
82/ 81								.1	.1	.2	.1	.0						15	15		
80/ 79						.0	.0		.2	.0	.0	.1						12	13		
78/ 77							.1	.3	.1	.2	.1	.0						19	19		
76/ 75							.2	.4	.5	.4	.1	.1	.0					43	43		
74/ 73					.0	.1	.4	.5	1.1	.1	.0	.0						57	57		
72/ 71				.0	.1	.6	.7	1.0	.8	.2	.1							83	83		
70/ 69				.0	.1	.8	.9	1.3	.3	.2								90	90	7	
68/ 67				.2	.6	1.5	1.3	.7	.2	.1								114	114	4	
66/ 65			.1	.5	.8	1.0	2.0	.7	.4									134	134	9	
64/ 63			.3	1.5	.9	1.7	1.6	1.0	.2	.0								178	178	41	3
62/ 61		.2	.7	1.1	1.8	1.6	.7	.2	.1									158	158	63	6
60/ 59		.4	.9	1.5	1.9	1.0	.9	.0	.0									163	163	130	10
58/ 57	.0	1.1	1.4	2.0	1.8	1.3	.4	.3										209	209	209	38
56/ 55	.0	1.3	1.8	3.0	1.7	1.0	.2											223	223	228	82
54/ 53	.0	2.1	2.9	2.6	1.2	1.0	.1											242	242	279	134
52/ 51	.2	1.8	2.9	1.0	.7	.3												169	169	310	186
50/ 49	.0	1.7	2.7	.8	.3	.1												138	138	321	217
48/ 47	.4	3.0	1.3	.3	.4													133	133	288	257
46/ 45	.4	3.4	.9	.3	.1	.2												130	130	242	453
44/ 43	.3	1.1	.8	.4	.0	.1												66	66	146	310
42/ 41	.1	.9	.2	.1	.0													33	33	71	201
40/ 39	.0	.9	.2	.0	.0													30	30	56	189
38/ 37	.1	.3	.0															11	11	37	125
36/ 35	.1	.2	.0															9	9	21	111
34/ 33																				6	48
32/ 31																				2	49
30/ 29																					29
28/ 27																					10
26/ 25																					3
24/ 23																					1
22/ 21																					1

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

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 (STATION) ILLESHEIM AAF GL (STATION NAME) 69-75 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
20/ 19																					3
18/ 17																					4
TOTAL	1.	7	18.	4	17.	2	15.	3	12.	4	12.	1	9.	6	6.	6	4.	0	1.	7	.6	.4	.0		2471		2470
																		2470		2470	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11174280	159912	64.7	18.239	2470							
Dry Bulb	8455545	142759	57.8	9.188	2471			134.0	47.6	9.6		744
Wet Bulb	6478642	125614	50.9	6.052	2470		.6	3.3				744
Dew Point	5055298	110614	44.8	6.417	2470		30.1					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34193 STATION | ILLESHEIM AAF GE STATION NAME | 69-78 YEARS | JUN MONTH

PAGE 1 | 0600-0600 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
72/ 71					.2		.2											2	2		
70/ 69				.5	.5	.3	.2	.2										10	10		
68/ 67			.2	.5	.2	.3												7	7		
66/ 65		.2	1.0	1.0	1.0	.5		.2										23	23		
64/ 63		2.0	3.5	2.8	.7													54	54	10	1
62/ 61		2.2	2.8	2.5	.7													49	49	24	8
60/ 59	.3	3.7	4.7	2.7	.8	.2												74	74	55	28
58/ 57	.5	5.7	2.8	2.0														66	66	84	44
56/ 55	1.2	7.2	3.2	1.3														77	77	81	66
54/ 53	.8	5.5	3.3	1.7														68	68	39	87
52/ 51	1.5	2.7	4.0	.2														50	50	68	95
50/ 49	.3	3.2	2.7															37	37	35	51
48/ 47	.5	3.3	1.2	.2														31	31	52	60
46/ 45	.7	3.7	1.3	.3														36	36	40	71
44/ 43	.2	1.0	.7	.2														12	12	21	36
42/ 41		.3																2	2	14	26
40/ 39		.2																1	1	4	11
38/ 37																				2	7
36/ 35			.2															1	1		6
34/ 33																				1	1
30/ 29																					1
28/ 27																					1
TOTAL	6.0	40.7	31.5	15.8	4.0	1.3	.3	.3										600	600	600	600

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4112662	49266	82.1	10.610	600							
Dry Bulb	1899184	33554	55.9	6.160	600			2.9				90
Wet Bulb	1693814	31716	52.9	5.375	600							90
Dew Point	1541020	30220	50.4	5.623	600		.3					90

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

3419? STATION | ILLESHEIM AAF GL STATION NAME | 69-75 YEARS | JUN MONTH

PAGE 1 | 0300-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
84/ 83										.2								1	1		
82/ 81								.3			.3	.2						5	5		
80/ 79							.2	.2	.3	.2	.2							6	6		
78/ 77						.2	.5	.5	.2		.2							9	9		
76/ 75					.3	.8	.6	.4	.3	.2								16	16		
74/ 73					.5	1.4	.5	.9	.3									21	21		
72/ 71				.2	2.1	1.7	2.3	.5										44	44		
70/ 69			.5	.6	1.7	2.6	.6	.3	.3									43	43	1	
68/ 67			.5	2.3	2.9	2.3	1.1	.2										60	60	7	
66/ 65		.2	2.0	3.6	1.2	2.1	.9											66	66	24	
64/ 63		.3	2.1	2.0	4.6	1.7	.6	.2										75	75	49	9
62/ 61		.8	1.7	2.9	1.4	.3	.2	.2										48	48	77	17
60/ 59		.8	2.9	2.0	1.1	.3	.3											48	48	87	41
58/ 57	.2	1.7	1.8	2.7	1.4	.6												55	55	77	61
56/ 55		2.4	1.7	2.0	.9		.2											47	47	54	57
54/ 53		1.8	2.6	1.7	.6	.5												47	47	71	97
52/ 51		.8	1.5	1.1	.3													24	24	51	79
50/ 49	.5	1.1	1.4	.5	.2													23	23	48	79
48/ 47		.9	.9	.2														13	13	41	55
46/ 45		.9	.3															8	8	26	73
44/ 43		.2																1	1	13	33
42/ 41																				4	20
40/ 39																					21
38/ 37																					7
36/ 35																					8
34/ 33																					1
32/ 31																					2
TOTAL	.6	11.7	19.7	21.5	18.9	14.2	7.7	3.0	1.4	.5	.6	.2							660		660
																		660		660	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3120734	44452	67.4	13.873	660							
Dry Bulb	2610295	41105	62.4	7.697	660			28.0	7.9	1.4		90
Wet Bulb	2082477	36883	55.9	5.689	660			1.1				90
Dew Point	1731532	33566	50.9	6.091	660		.3					90

USAFETAC FORM AT 84 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34194 — STATION
ILLESHEIM AAF OL — STATION NAME
79-73 — YEARS
JUN — MONTH

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
90/ 89													.2					1	1		
88/ 87											.2	.2						2	2		
86/ 85									.2		.3		.3	.2	.2			7	7		
84/ 83								.2		.2		.2	.3	.2				7	7		
82/ 81								.2	1.1	.8	.2	.2						14	14		
80/ 79							.3	1.4	1.1	.5	.3							23	23		
78/ 77						.2	1.6	.6	.8	.8								25	25		
76/ 75				.2	.2	.5	2.0	2.0	1.6	.2								42	42		
74/ 73					.2	2.5	2.0	2.2	.3	.2								47	47		
72/ 71				.2	.3	1.3	3.1	.3	.6	.6	.2							42	42		
70/ 69			.8	.5	1.3	2.2	.9	1.3	.5									47	47	3	
68/ 67			.2		1.3	1.1	2.2	.5										33	33	12	1
66/ 65			.9	.3	1.6	2.2	1.4	.6										44	44	42	
64/ 63		.2	1.9	3.1	2.3	1.7	1.4	.3										70	70	48	5
62/ 61		.3	1.3	1.7	1.3	1.3	.6	.3	.2									44	44	77	12
60/ 59	.2	1.3	1.1	2.5	1.4	1.1	.3											50	50	64	31
58/ 57		1.3	1.7	1.1	1.6	1.3		.3										46	46	80	55
56/ 55		.8	1.9	1.6	.6	.6												35	35	84	59
54/ 53		.2	1.4	.8	.5	.3												21	21	53	79
52/ 51		.3	.8	.5	.3													12	12	49	75
50/ 49	.2	.8	.3	.5														11	11	46	67
48/ 47	.2	1.4	.5	.3														15	15	31	66
46/ 45			.2															1	1	22	62
44/ 43																				8	39
42/ 41																					31
40/ 39																					30
38/ 37																					17
36/ 35																					6
34/ 33																					1
30/ 29																					1
28/ 27																					2
TOTAL	.5	6.4	12.7	13.1	12.8	16.1	16.0	10.2	6.3	3.0	1.1	.5	.9	.3	.2				639		639	639
																		639		639	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2359446	37462	58.6	15.994	639							
Dry Bulb	2823251	42097	65.9	8.946	639			40.8	23.7	5.2		90
Wet Bulb	2080410	36276	56.8	5.740	639			2.1				90
Dew Point	1619045	31909	49.9	6.340	639		.4	.1				90

USAFETAC FORM 0-26-5 (OL A) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | JUN MONTH

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
90/ 89													.3	.3	.2			5	5		
88/ 87												.2	.3	.2	.5			7	7		
86/ 85										.3	.5	.3	.5					10	10		
84/ 83									.2	1.2	.3	.2	.2					12	12		
82/ 81								.5	1.0	.7	1.2							20	20		
80/ 79							.2	1.6	1.0	1.0								22	22		
78/ 77					.2	.2	.7	1.2	1.4	.2								22	22		
76/ 75					.3	.7	2.9	2.2	.9	.3	.5							46	46		
74/ 73				.3	.2	.5	1.6	2.6	1.0	.2	.2							38	38		
72/ 71					.9	.9	1.7	1.6	.7	.3	.2							36	36		
70/ 69			.3	.7	2.1	1.4	1.2	.7	.7	.2								42	42	1	
68/ 67			.2	.3	1.9	1.6	1.2	1.4	.3									40	40	17	
66/ 65			.5	1.7	1.6	1.4	1.2	.3										39	39	46	2
64/ 63		.3	1.4	2.4	2.1	1.9	1.6	.2	.2									58	58	64	6
62/ 61		.2	1.4	2.1	.3	1.2	.3		.3									34	34	67	10
60/ 59			.5	1.2	1.4	.7	.3											24	24	71	24
58/ 57		.9	1.9	1.7	.9	.7	.5											38	38	62	37
56/ 55		1.4	.7	2.1	1.6	.3												35	35	72	66
54/ 53		.7	1.0	.9	.9	.2												21	21	50	75
52/ 51		.3	.5	1.0														11	11	43	78
50/ 49		.7	.5															7	7	33	58
48/ 47		1.0		.5														9	9	28	50
46/ 45		.3																2	2	18	64
44/ 43																				6	30
42/ 41																					33
40/ 39																					23
38/ 37																					9
36/ 35																					8
32/ 31																					3
30/ 29																					1
28/ 27																					1
TOTAL		5.9	9.0	15.1	14.2	11.6	13.5	12.3	7.8	4.5	2.9	.7	1.4	.5	.7				578		578
																		578		578	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1985211	32541	56.3	16.293	578							
Dry Bulb	2668983	38893	67.3	9.485	578			46.7	28.3	9.8		90
Wet Bulb	1918758	33132	57.3	5.824	578			2.8				90
Dew Point	1466373	28881	50.0	6.351	578		.8					90

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

3419[illegible] | ILLESHEIM AAF GE | 9-71 | JUN
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81								3.4	3.4									2	2		
78/ 77								3.4	3.4									2	2		
76/ 75						6.9	3.4											3	3		
74/ 73						3.4												1	1		
72/ 71					6.9		3.4											3	3		
70/ 69				3.4			3.4											2	2		
68/ 67																			1		
66/ 65				3.4	3.4													2	2	5	
64/ 63			3.4		3.4	3.4	3.											4	4	4	
62/ 61		3.4	3.4	0.9	3.4		3.											6	6	3	6
60/ 59					3.4													1	1	3	1
58/ 57																				2	5
56/ 55		3.4			3.4													2	2	4	1
54/ 53																				2	2
52/ 51		3.4																1	1	2	4
50/ 49																				2	2
48/ 47																				1	3
46/ 45																					1
44/ 43																					2
40/ 39																					2
TOTAL		10.3	6.9	13.8	24.1	13.8	17.2	6.9	6.9										29		29
																		29		29	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	116150	1792	61.8	13.909	29							
Dry Bulb	131923	1943	67.0	7.888	29			40.3	24.8	6.2		90
Wet Bulb	101068	1704	58.8	5.804	29			3.1				90
Dew Point	82299	1533	52.9	6.712	29							90

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

3419 STATION | ILLESHEIM AAF DL STATION NAME | 9-73 YEARS | JUN MONTH

 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89													.1	.1	.0			6	6		
88/ 87											.0	.1	.1	.0	.1			9	9		
86/ 85									.0	.1	.2	.1	.2	.0	.3			17	17		
84/ 83								.0	.0	.4	.1	.1	.2	.0				20	20		
82/ 81								.3	.6	.3	.4	.1						41	41		
80/ 79							.2	.8	.6	.4	.1							51	51		
78/ 77					.0	.1	.7	.6	.6	.2	.0							58	58		
76/ 75				.0	.2	.6	1.4	1.1	.7	.2	.1							108	108		
74/ 73				.1	.2	1.2	1.0	1.3	.4	.1	.0							107	107		
72/ 71				.1	1.0	1.0	1.9	.6	.3	.2	.1							127	127		
70/ 69			.4	.6	1.4	1.6	.8	.6	.4	.0								144	144	5	
68/ 67			.2	.8	1.6	1.3	1.1	.5	.1									140	140	37	1
66/ 65		.1	1.1	1.7	1.4	1.0	.9	.3										174	174	117	2
64/ 63		.7	2.2	2.6	2.3	1.4	.9	.2	.0									261	261	175	21
62/ 61		.9	1.8	2.4	1.0	.7	.3	.1	.1									181	181	249	53
60/ 59	.1	1.4	2.3	2.1	1.2	.6	.2											197	197	300	125
58/ 57	.2	2.3	2.0	1.9	1.0	.6	.1	.1										205	205	305	202
56/ 55	.3	2.9	1.8	1.7	.8	.2	.0											196	196	325	249
54/ 53	.2	2.0	2.1	1.2	.5	.2												157	157	265	340
52/ 51	.4	1.0	1.7	.7	.2													98	98	213	332
50/ 49	.2	1.4	1.2	.2	.0													78	78	184	257
48/ 47	.2	1.6	.8	.3														68	68	153	234
46/ 45	.2	1.2	.4	.1														47	47	106	271
44/ 43	.0	.3	.2	.0														13	13	48	140
42/ 41		.1																2	2	18	110
40/ 39		.0																1	1	4	87
38/ 37																				2	40
36/ 35			.0															1	1		28
34/ 33																				1	3
32/ 31																					5
30/ 29																					3
28/ 27																					4
TOTAL	1.7	15.9	18.1	16.4	12.8	11.0	9.5	6.4	3.9	1.9	1.1	.3	.6	.2	.2			2507	2507	2507	2507

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	11695967	165555	66.0	17.451	2507							
Dry Bulb	10139412	157758	62.9	9.201	2507			237.8	119.5	32.2		720
Wet Bulb	7880248	139772	55.8	5.912	2507			12.1				720
Dew Point	6442870	126160	50.3	6.128	2507		3.4	.3				720

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 9-7c YEARS | JUL MONTH

 0600-0600 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
78/ 77										.2								1	1		
74/ 73				.3			.2											3	3		
72/ 71			.3	.5	.3	.2	.2											10	10		
70/ 69		.2	.8	.7	1.3	.5	.2	.2										23	23		
68/ 67	.2	.2	2.3	1.0	1.0			.2										29	29	7	1
66/ 65	.2	.8	3.2	2.0	.7		.7											45	45	14	5
64/ 63	.3	3.5	5.7	3.7	1.0		.2											86	86	35	19
62/ 61	.5	2.2	3.7	2.3	.7	.3												58	58	66	33
60/ 59	.5	4.8	4.3	.7	.5													65	65	68	54
58/ 57	.8	4.7	3.2	.8	.5	.2												61	61	90	67
56/ 55	.5	7.0	3.7	1.2		.2												75	75	73	75
54/ 53	.7	3.5	5.9	.8														65	65	73	84
52/ 51	.5	2.8	2.7															36	36	67	69
50/ 49		4.0	.2															25	25	62	53
48/ 47		1.2	.2															8	8	28	59
46/ 45	.2	1.0																7	7	8	54
44/ 43		.2																1	1	7	14
42/ 41																					9
40/ 39																					1
36/ 35																					1
TOTAL	4.3	36.1	36.1	14.0	6.2	1.3	1.3	.3		.2								598	598		598
																		598		598	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4021328	48602	81.3	10.923	598							
Dry Bulb	2116373	35399	59.2	5.916	598			10.3	.6			93
Wet Bulb	1877719	33371	55.8	5.091	598			1.1				93
Dew Point	1713142	31844	53.3	5.402	598			.2				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | -9-78 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85									.3		.2							3	3		
84/ 83							.5	.5			.2	.2	.2					8	8		
82/ 81							.6	.3	.5			.3	.2					12	12		
80/ 79						.9	1.4	.3	.3		.3							21	21		
78/ 77					.8	.6	1.2	.8	.2		.2	.3						25	25		
76/ 75				.3	.8	1.7	1.4	1.2	.5	.2	.2							40	40		
74/ 73				.9	1.7	1.7	1.6	.6	.3									44	44		
72/ 71			.2	.5	2.6	2.8	2.2	.5	.3									58	58	8	
70/ 69			.8	1.4	1.7	2.9	.3	.3										48	48	24	
68/ 67		.2	.5	2.3	3.7	2.3	.3											60	60	23	4
66/ 65		.2	2.3	2.3	1.4	.9												46	46	51	18
64/ 63		1.7	2.3	3.6	1.9	1.2	.3											71	71	72	32
62/ 61		.6	1.9	1.7	1.9	.2												40	40	94	31
60/ 59	.2	1.1	2.3	2.0	.6	.2												41	41	89	65
58/ 57		2.3	2.3	2.2	.9	.6												54	54	79	71
56/ 55	.2	1.4	1.9	3.1														42	42	71	75
54/ 53		.6	1.9	1.2														24	24	51	99
52/ 51		.3	.3															4	4	35	69
50/ 49		.3	.2															3	3	40	63
48/ 47																				7	46
46/ 45		.2																1	1	1	49
44/ 43																					12
42/ 41																					6
40/ 39																					3
38/ 37																					1
36/ 35																					1
TOTAL	.3	8.8	16.7	21.6	17.8	16.1	9.8	4.3	2.3	.2	.9	.8	.3					645		645	
																		645		645	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2933768	42572	66.0	13.870	645							
Dry Bulb	2882105	42823	66.4	7.781	645			46.0	22.1	4.8		93
Wet Bulb	2273008	38132	59.1	5.384	645			7.9				93
Dew Point	1904440	34852	54.0	5.743	645			.6				93

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

USAFETAC 5649

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 69-78 YEARS | JUL MONTH

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
92/ 91											.3							2	2		
90/ 89										.5	.2	.5	.2	.2				9	9		
88/ 87									.2	.6	.2	.2	.3	.2				10	10		
86/ 85								.3	.5	.3	.2	.2	.5	.2				13	13		
84/ 83							.2	.6	1.6	.6	.3	.2	.8	.2				28	28		
82/ 81						.3	.9	.9	2.4	1.4	.5							41	41		
80/ 79						.2	.6	2.4	1.9	.6	.3		.5					41	41		
78/ 77				.2	.2	.3	1.3	2.4	1.7	.5								41	41		
76/ 75				.2		.2	2.7	1.7	.6	.3								36	36		
74/ 73				.3	.3	1.6	1.9	1.7	.5									43	43	1	
72/ 71				.5	1.9	1.3	2.8	1.3	.6									53	53	19	
70/ 69			.6	1.1	.8	2.2	1.6	1.1										47	47	19	1
68/ 67			.6	.5	1.1	1.6	.9											30	30	36	2
66/ 65		.2	.8	1.4	1.3	2.7	.9	.2										47	47	59	7
64/ 63		.9	1.6	2.7	1.6	.8	.2											49	49	96	28
62/ 61		.3	.8	2.2	1.7	.9												38	38	73	37
60/ 59		.8	.9	2.2	2.5	.5												44	44	94	50
58/ 57		1.1	1.4	1.7	.9	.2												34	34	74	62
56/ 55		.6	1.1	1.9														23	23	60	83
54/ 53		.3	.6	.2														7	7	43	83
52/ 51			.2															1	1	37	66
50/ 49		.2																1	1	25	72
48/ 47																				2	48
46/ 45																					64
44/ 43																					22
42/ 41																					8
40/ 39																					4
38/ 37																					1
TOTAL		4.4	8.6	14.9	12.7	12.5	13.9	12.5	9.9	4.9	1.9	.9	2.2	.6				638	638		638
																		638		638	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2194865	36157	56.7	15.127	638							
Dry Bulb	3209583	44879	70.3	9.091	638			57.4	38.5	17.9		93
Wet Bulb	2323299	38345	60.1	5.417	638			10.9	.1			93
Dew Point	1826616	33942	53.2	5.725	638			.4				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 70-78 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95													.2	.2	.2			3	3		
92/ 91											.4	.7						6	6		
90/ 89											.5	.2		.5				7	7		
88/ 87									.4	.7	.7	.5	1.2	.2				21	21		
86/ 85							.2		.2	.7	1.2			.2	.5			17	17		
84/ 83							.2	.2	1.8	2.3	.7			.2	.2			31	31		
82/ 81							.7	.5	1.4	2.8	.9	.2		.2	.2			39	39		
80/ 79						.2	.2	1.1	2.8	1.4	.2							33	33		
78/ 77						.5	1.4	1.9	2.8	.9								42	42		
76/ 75		.2	.2		.5	1.2	1.2	1.1	.9									30	30		
74/ 73			.2	.4		1.8	1.9	3.0	.2									42	42	2	
72/ 71			.2	.2	.9	2.9	2.5	2.8	.2	.2								53	53	9	1
70/ 69				.2	1.8	2.3	1.4	.9	.2									38	38	20	2
68/ 67			.9	.4	1.1	.7	1.1	.7										27	27	41	1
66/ 65		.2	1.1	1.2	1.1	.7	.7	.2										29	29	66	3
64/ 63		.7	1.1	2.3	1.8	.5	.4											38	38	84	22
62/ 61		.7	.9	.9	2.1	.9	.2											32	32	87	12
60/ 59		.2	.7	2.3	1.9	.2												30	30	72	48
58/ 57		.7	.9	1.1	.5													18	18	51	70
56/ 55		.9	.9	1.9														21	21	43	64
54/ 53		.7	.5	.4														9	9	42	82
52/ 51		.2																1	1	34	74
50/ 49																				16	74
48/ 47																					48
46/ 45																					34
44/ 43																					18
42/ 41																					5
40/ 39																					4
38/ 37																					1
36/ 35																					1
34/ 33																					2
32/ 31																					1
TOTAL		4.4	7.4	11.1	11.5	11.6	12.0	12.3	10.6	9.0	4.6	1.6	1.4	1.4	1.1			567	567		567
																				567	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1785213	30499	53.8	15.987	567							
Dry Bulb	2985988	40790	71.9	9.544	567			63.8	44.4	23.0	.5	93
Wet Bulb	2093929	34327	60.5	5.271	567			11.8	.3			93
Dew Point	1610463	30051	53.0	5.602	567		.2	.7				93

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34192 STATION | ILLESHEIM AAF GL STATION NAME | 69-73,74 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87									2.0	3.9	2.0							4	4		
82/ 81							2.0		7.8	3.9								7	7		
80/ 79						2.0				2.0								2	2		
78/ 77							2.0	2.0										2	2		
76/ 75					3.9	3.9	5.9											7	7		
74/ 73		2.0		3.9		2.0	5.9											7	7		
72/ 71							5.9	2.0										4	4	4	
70/ 69																				2	1
68/ 67			2.0															1	1	5	
66/ 65			2.0	2.0														2	2	9	2
64/ 63			2.0	2.0														2	2	6	7
62/ 61		2.0	2.0															2	2	7	2
60/ 59			2.0		5.9													4	4	4	3
58/ 57			3.9															2	2	3	11
56/ 55				5.9														3	3	2	5
54/ 53				2.0														1	1	1	3
52/ 51		2.0																1	1	3	6
50/ 49																				5	1
48/ 47																					3
46/ 45																					7
TOTAL		5.9	13.7	15.7	9.8	7.8	21.6	3.9	9.8	3.8	2.0							51	51		51
																				51	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 91 F	Total
Rel. Hum.	194707	3055	59.9	15.301	51							
Dry Bulb	263257	3629	71.2	10.029	51			62.0	52.9	20.1		93
Wet Bulb	195497	3141	61.6	6.401	51			20.1				93
Dew Point	159321	2833	55.5	6.246	51			1.8				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GL STATION NAME | 0-78 YEARS | JUL MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95													.0	.0	.0			3	3		
92/ 91											.2	.2						8	8		
90/ 89										.1	.2	.2	.0	.2				16	16		
88/ 87									.2	.4	.2	.2	.4	.1				35	35		
86/ 85							.0	.1	.2	.2	.4	.0	.1	.1	.1			33	33		
84/ 83							.2	.3	.8	.7	.3	.1	.2	.1	.0			67	67		
82/ 81						.1	.6	.4	1.2	1.1	.3	.1	.0	.0	.0			99	99		
80/ 79						.4	.6	.9	1.2	.5	.2		.1					97	97		
78/ 77				.0	.2	.4	1.0	1.3	1.1	.4	.0	.1						111	111		
76/ 75		.0	.0	.1	.4	.8	1.4	1.0	.5	.1	.0							113	113		
74/ 73		.0	.0	.6	.6	1.3	1.5	1.3	.2									139	139	3	
72/ 71			.2	.4	1.5	1.8	2.0	1.1	.3	.0								178	178	40	1
70/ 69		.0	.6	.8	1.3	2.0	.8	.6	.0									156	156	65	4
68/ 67	.0	.1	1.1	1.0	1.7	1.2	.6	.2										147	147	112	8
66/ 65	.0	.3	1.8	1.8	1.1	1.1	.6	.1										169	169	139	35
64/ 63	.1	1.7	2.6	3.0	1.3	.6	.2											246	246	293	108
62/ 61	.1	1.0	1.8	1.8	1.6	.6	.0											170	170	327	115
60/ 59	.2	1.7	2.1	1.8	1.5	.2												184	184	327	220
58/ 57	.2	2.2	2.0	1.4	.7	.2												169	169	297	281
56/ 55	.2	2.4	1.8	2.1		.0												164	164	249	302
54/ 53	.2	1.2	2.2	.7														106	106	210	351
52/ 51	.1	.8	.8															43	43	176	284
50/ 49		1.1	.1															29	29	148	263
48/ 47		.3	.0															8	8	37	204
46/ 45	.0	.3																8	8	9	208
44/ 43		.0																1	1	7	66
42/ 41																					28
40/ 39																					12
38/ 37																					3
36/ 35																					3
34/ 33																					2
32/ 31																					1
TOTAL	1.1	13.2	17.1	15.8	12.1	10.5	9.6	7.3	5.7	3.6	1.0	.8	1.0	.5	.2			2499	2499		2499
																				2499	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11129879	160885	64.4	17.581	2499							
Dry Bulb	11457306	167520	67.0	9.546	2499			357.9	214.7	91.4	.9	744
Wet Bulb	8763452	147316	58.9	5.630	2499			65.5	.9			744
Dew Point	7213982	133522	53.4	5.655	2499		.3	3.9				744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GL STATION NAME | 9-78 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73					.1													1	1		
72/ 71				.1	.1													2	2		
70/ 69		.1	.7	.9	.4		.1											16	16	1	
68/ 67			1.2	.3	.7													15	15		1
66/ 65		.1	2.5	1.0	.3	.1												28	28	9	
64/ 63	.1	5.8	3.6	1.3	.3	.1												79	79	27	13
62/ 61	.4	4.2	3.7	.7	.1	.3												64	64	66	30
60/ 59		5.7	4.5	2.2	.4	.3												88	88	70	61
58/ 57	.8	6.0	1.5	2.1	.3													70	70	80	74
56/ 55	1.6	7.6	3.0	.9	.3													90	90	86	75
54/ 53	1.6	6.7	4.3	1.2														93	93	104	96
52/ 51	1.9	4.2	2.1															49	49	79	88
50/ 49	.4	3.0	1.2															31	31	68	60
48/ 47	.1	2.7	.4															22	22	37	67
46/ 45	.8	1.0	.1															12	12	26	58
44/ 43	.1	.3																3	3	8	19
42/ 41	.1	.4																4	4	4	15
40/ 39																				2	10
TOTAL	7.0	48.1	29.1	11.4	3.3	.9	.1											667		667	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4801069	56215	84.3	9.745	667							
Dry Bulb	2219629	38293	57.4	5.642	667			4.7	.1			93
Wet Bulb	2012789	36483	54.7	5.093	667			.1				93
Dew Point	1864103	35079	52.6	5.372	667			.1				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 59-70 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87										.1								1	1		
86/ 85								.1										1	1		
84/ 83						.1												1	1		
82/ 81							.3	.4	.4	.3								10	10		
80/ 79						.4	.7	.9										14	14		
78/ 77					.1	.1	.6	.4	.3									11	11		
76/ 75					.9	1.1	1.0	.7	.1									27	27		
74/ 73				.9	.7	1.3	1.1	.6	.3	.3								36	36	2	
72/ 71			.1	.9	2.4	2.1	1.6	1.1	.3									60	60	1	
70/ 69		.1	.7	2.1	1.7	1.4	1.1	.4	.1									55	55	10	
68/ 67			2.1	1.8	2.3	2.0	1.4	.1										67	67	25	3
66/ 65			4.0	2.0	2.8	2.3	.6	.3										84	84	45	6
64/ 63		2.1	3.3	4.1	1.7	1.3	.6											92	92	77	33
62/ 61		1.0	2.0	3.1	1.8	.9												62	62	90	44
60/ 59	.1	1.8	2.6	2.0	1.0	.3	.1											56	56	96	78
58/ 57	.1	3.7	1.8	1.7	.1	.4												56	56	116	67
56/ 55	.3	2.8	.7	.7														32	32	103	94
54/ 53		1.3	1.3	.1	.3													21	21	67	96
52/ 51		1.3	.3	.1														12	12	39	87
50/ 49		.7																5	5	24	79
48/ 47																				6	49
46/ 45																				2	42
44/ 43																					10
42/ 41																					8
40/ 39																					6
38/ 37																					1
TOTAL	.9	14.9	18.9	19.3	15.9	13.8	9.1	5.1	1.6	.7								703	703	703	703

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3458286	48226	68.6	14.616	703							
Dry Bulb	3019041	45817	65.2	6.855	703			37.4	13.4	2.4		93
Wet Bulb	2432985	41219	58.6	4.803	703			5.0	.3			93
Dew Point	2068768	37942	54.0	5.467	703			.4				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | -72 YEARS | AUG 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
92/ 91											.1							1	1		
90/ 89									.3		.4							5	5		
88/ 87											.1	.4						4	4		
86/ 85										.1	.4							4	4		
84/ 83						.1		.4	.6	.6	.1	.1						14	14		
82/ 81						.1	.7	1.0	1.3	1.2	.9	.1						37	37		
80/ 79						.1	.6	.6	1.5	1.3	.7	.1						34	34		
78/ 77					.1	.4	.9	1.0	1.7	.6	.6	.1						38	38		
76/ 75					.9	1.3	1.0	2.2	1.9	1.2								65	65	1	
74/ 73				.4	1.2	2.2	1.9	2.5	1.2	.4	.3							69	69	2	
72/ 71			.1	.3	2.3	1.5	2.5	1.0	.6	.3								59	59	4	
70/ 69			.7	.6	1.0	3.3	1.6	1.0	.1									58	58	15	1
68/ 67			.3	1.0	.6	2.8	1.3	.3										43	43	37	3
66/ 65			1.9	2.3	1.2	1.5	.9	.6										57	57	57	3
64/ 63		1.2	.3	2.0	2.5	1.7	1.2											75	75	77	23
62/ 61		.4	1.0	1.0	1.5	.6												31	31	116	42
60/ 59		.6	1.5	1.2	1.3	.3												33	33	112	60
58/ 57		1.0	1.0	1.2	.1													23	23	97	70
56/ 55		1.6	.9	.3		.4												22	22	63	58
54/ 53		.6	.6	.3														10	10	55	75
52/ 51		.7	.3															7	7	35	112
50/ 49																				13	80
48/ 47																				3	60
46/ 45																				2	53
44/ 43																					21
42/ 41																					17
40/ 39																					6
38/ 37																					4
36/ 35																					1
TOTAL		6.1	10.6	10.6	12.6	16.4	12.5	11.6	9.1	5.7	3.8	1.0							689		689
																		689		689	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2434042	39448	57.3	15.971	689							
Dry Bulb	3386552	47992	69.7	7.969	689			58.2	36.6	11.2		93
Wet Bulb	2472865	41141	59.7	4.866	689			8.0	.4			93
Dew Point	1943511	36375	52.8	5.799	689			.5				93

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 0-76 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91											.3			.3				4	4		
90/ 89												.3	.2					3	3		
88/ 87								.3		.2	.3	.6	.3					11	11		
86/ 85								.2		.2	1.0	.8	.3					15	15		
84/ 83							.3	.3	.6	1.9	.2	.8						24	24		
82/ 81							.5	.5	1.8	1.0	.8	.8	.3	.2				36	36		
80/ 79						.3	.5	1.4	1.0	.8	.8	.2	.3					33	33		
78/ 77						.2	1.0	1.6	1.8	1.4	1.3	.2						46	46		
76/ 75					.3	1.8	2.4	1.4	3.7	.3		.5						64	64		
74/ 73				.5	1.0	1.8	1.1	3.2	1.3		.3							57	57	4	
72/ 71			.2	.2	.5	1.0	2.6	2.2	.8	.3								48	48	4	
70/ 69			.5	1.0	1.3	1.8	2.7	.6	.2									50	50	12	
68/ 67			.6	.6	2.1	1.6	1.1	1.8										49	49	32	3
66/ 65			.6	1.0	2.2	1.4	.6	.6										41	41	68	7
64/ 63		.5	1.1	2.4	2.1	.8	.3											45	45	80	15
62/ 61		.8	1.0	1.4	.8	.2												26	26	71	25
60/ 59		.3	.6	2.1	1.1													26	26	117	42
58/ 57	.2	1.4	.3	1.1	.2	.2	.2											22	22	99	65
56/ 55		.6		1.0		.2												11	11	52	59
54/ 53		.6	.6															8	8	53	78
52/ 51		.6	.2															5	5	17	75
50/ 49		.2																1	1	12	100
48/ 47																				3	64
46/ 45																				1	44
44/ 43																					22
42/ 41																					11
40/ 39																					4
38/ 37																					7
36/ 35																					4
TOTAL	.2	5.1	5.8	11.2	11.5	10.9	13.3	14.2	11.0	5.9	5.0	4.0	1.4	.5				625	625		625
																		625		625	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1971018	33548	53.7	16.519	625							
Dry Bulb	3217522	44532	71.3	8.451	625			65.5	43.6	16.2		93
Wet Bulb	2265212	37508	60.0	4.779	625			7.7	.6			93
Dew Point	1729597	32681	52.3	5.762	625			.4				93

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34198 STATION | ILLESHEIM AAF GL STATION NAME | 69-76,76 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
86/ 85										1								1	1		
84/ 83								1	1	1								3	3		
82/ 81									2	1								3	3		
80/ 79						1		1			1							3	3		
78/ 77							2		1	2		1	1					7	7		
76/ 75						2			2			2						6	6		
74/ 73							2	3	3									8	8		
72/ 71					1	2	1	2			1							7	7		
70/ 69						2	1	1		1								5	5	3	
68/ 67			2				1	2										5	5	2	
66/ 65				1	3	1	1	2										8	8	9	
64/ 63			1	2		1	1											5	5	4	3
62/ 61			3	1	3	1												8	8	5	4
60/ 59		1	2	1	1													5	5	15	4
58/ 57		1	1	1														3	3	14	7
56/ 55			1															1	1	10	6
54/ 53		1	1															2	2	10	9
52/ 51		2																2	2	10	7
50/ 49																					9
48/ 47																					11
46/ 45																					11
44/ 43																					2
42/ 41																					4
38/ 37																					4
36/ 35																					1
TOTAL		6	11	3.4	7.3	9.8	12.2	11.0	14.6	11.0	7.3	2.4	3.7	1.2				82	82		82
																		82		82	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	275050	4518	55.1	17.957	82							
Dry Bulb	395769	5657	69.0	8.244	82			54.4	35.2	9.1		93
Wet Bulb	282105	4793	58.5	4.904	82			5.7				93
Dew Point	214452	4160	50.7	6.487	82							93

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GL STATION NAME | 70-7[illegible] YEARS | AUG MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
92/ 91											.1			.1					5	5		
90/ 89									.1		.1	.1	.0						8	8		
88/ 87								.1		.1	.1	.2	.1						16	16		
86/ 85								.1		.1	.3	.2	.1						21	21		
84/ 83						.1	.1	.2	.3	.6	.1	.2							42	42		
82/ 81						.0	.4	.5	.9	.6	.4	.2	.1	.0					86	86		
80/ 79						.2	.4	.7	.6	.5	.4	.1	.1						84	84		
78/ 77					.1	.2	.6	.7	.9	.5	.4	.1	.0						102	102		
76/ 75					.5	1.0	1.0	1.3	1.4	.4		.2							162	162	1	
74/ 73				.4	.7	1.2	1.1	1.6	.7	.2	.1								171	171	8	
72/ 71			.1	.4	1.4	1.2	1.6	1.1	.4	.1	.0								176	176	9	
70/ 69		.1	.6	1.1	1.1	1.6	1.4	.5	.1	.0									184	184	41	1
68/ 67			1.1	.9	1.4	1.5	1.0	.6											179	179	96	10
66/ 65		.0	2.2	1.6	1.7	1.3	.5	.4											219	219	188	16
64/ 63	.0	2.3	2.5	2.6	1.6	1.0	.5												297	297	265	87
62/ 61	.1	1.6	2.0	1.6	1.1	.5													194	194	348	145
60/ 59	.0	2.1	2.5	1.9	1.0	.2	.0												217	217	412	245
58/ 57	.2	3.0	1.2	1.5	.2	.1	.0												176	176	410	284
56/ 55	.5	3.2	1.2	.7	.1	.1													161	161	323	295
54/ 53	.4	2.3	1.7	.4	.1														135	135	293	359
52/ 51	.2	1.7	.7	.0															75	75	182	379
50/ 49	.1	.9	.5	.0															45	45	118	329
48/ 47	.0	.6	.3																27	27	51	251
46/ 45	.1	.3	.0																14	14	39	209
44/ 43	.0	.1																	4	4	14	77
42/ 41	.0	.1																	4	4	4	63
40/ 39																					2	32
38/ 37																						16
36/ 35																						6
TOTAL	1.9	18.4	16.6	13.1	10.7	10.6	8.7	7.7	5.4	3.1	2.1	1.2	.4	.1						2804		2804
																			2804		2804	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	13176107	184929	66.0	18.695	2804							
Dry Bulb	12351566	184352	65.7	9.081	2804			328.0	184.9	57.8		744
Wet Bulb	9564862	163072	58.2	5.379	2804			41.1	2.4			744
Dew Point	7907079	148037	52.8	5.713	2804			2.9				744

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

34190 (STATION) ILLESHEIM AAF GL (STATION NAME) 59-76 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
70/ 69				.2														1	1		
68/ 65			.3	.5	.3													7	7		
64/ 63		1.1	1.2	1.1	.5	.2												26	26	3	
62/ 61		1.1	1.8	.5														22	22	11	7
60/ 59	.2	2.5	2.3	.8	.2													41	41	22	12
58/ 57	.3	6.0	.9	.8														52	52	43	19
56/ 55	1.1	0.6	1.7	.8														66	66	66	53
54/ 53	.8	2.9	2.6	1.1	.3													50	50	63	67
52/ 51	1.5	4.5	1.4															48	48	48	51
50/ 49	1.5	6.0	1.2															57	57	73	51
48/ 47	1.8	7.9	1.8	.2														76	76	69	73
46/ 45	2.9	7.9	1.1															77	77	80	103
44/ 43	1.7	3.5	1.1															41	41	60	55
42/ 41	1.4	2.3	.2															25	25	35	57
40/ 39	3.4	2.3		.2														38	38	42	48
38/ 37	.8	.6																9	9	18	27
36/ 35	.5	.8																8	8	9	13
34/ 33	.3	.3																4	4	5	9
32/ 31	.2																	1	1	2	2
30/ 29																					1
24/ 23																					1
TOTAL	18.3	56.2	18.2	5.9	1.2	.2													649		649
																		649		649	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5122557	57367	88.4	6.934	649							
Dry Bulb	1693142	32826	50.6	7.117	649		.1	.1				90
Wet Bulb	1568781	31635	48.7	6.426	649		.3					90
Dew Point	1470146	30616	47.2	6.318	649		.6					90

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

34191	ILLESHEIM AAF DL	[illegible]-78	SEP
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
82/ 81								.1	.3									3	3		
78/ 77					.1		.1	.3	.1									5	5		
76/ 75						.1												1	1		
74/ 73					.4	.3	.3											7	7		
72/ 71			.3		.7	.3	.6	.1										14	14		
70/ 69			.4	.4	1.9	.4	.1											23	23	1	
68/ 67			.7	.9	2.8	.7	.1											36	36	5	
66/ 65			1.5	3.1	.9	.6	.4	.1										45	45	10	2
64/ 63		.4	2.6	3.2	1.6	.4	.3	.1										60	60	23	7
62/ 61		.7	2.8	2.6	.6	.6	.3											52	52	47	10
60/ 59		1.5	2.9	2.5	1.0	.4												57	57	61	25
58/ 57	.4	2.9	2.8	3.1	1.2	.1	.3											74	74	82	54
56/ 55		1.9	3.2	3.5	1.6	.1												71	71	59	65
54/ 53	.1	1.9	5.7	2.2	.9	.1												75	75	66	78
52/ 51		2.3	3.9	.4	.3													48	48	80	52
50/ 49	.4	3.1	3.8	.4														53	53	90	78
48/ 47		2.2	1.9	.1														29	29	72	76
46/ 45	.4	2.0	.4	.1														21	21	50	93
44/ 43	.3	.7	.1															8	8	28	66
42/ 41		.1																1	1	8	30
40/ 39	.1	.1																2	2	2	29
38/ 37																				1	10
36/ 35																					10
TOTAL	1.9	20.0	33.1	22.6	14.0	4.4	2.6	.9	.4										685		685
																		685		685	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3899138	50994	74.4	12.268	685							
Dry Bulb	2337668	39706	58.0	7.266	685			11.7	2.1	.4		90
Wet Bulb	1970986	36524	53.3	5.866	685			.8				90
Dew Point	1705201	33921	49.5	6.099	685							90

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34194 STATION | ILLESHEIM AAF GE STATION NAME | 69-78 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
88/ 87												.1						1	1		
86/ 85											.3	.1						3	3		
84/ 83							.3		.1	.1		.1						5	5		
82/ 81								.1	.4	.3								6	6		
80/ 79							.1	.7	.6									10	10		
78/ 77						.4	1.0		.3									12	12		
76/ 75					.1	1.0	2.0	.7										27	27		
74/ 73				.1	.7	1.5	1.6	.4	.6									34	34		
72/ 71				.6	1.2	2.6	1.9	.6										47	47	2	
70/ 69				.4	1.6	2.6	.9	1.0	.1									46	46	1	
68/ 67				.4	.6	.7	1.0	.7										24	24	13	1
66/ 65	.1		.1	1.3	1.6	2.0	.4	.3	.4									44	44	38	2
64/ 63		.4	2.0	3.2	2.6	2.3	1.8	1.2										94	94	50	6
62/ 61		.3	1.6	1.6	3.1	1.6	1.8											68	68	56	14
60/ 59		.4	1.3	2.6	2.8	1.9	.7											67	67	74	27
58/ 57		.9	1.0	2.5	2.9	1.3	.3											61	61	68	60
56/ 55		.7	1.5	2.2	1.0													37	37	66	70
54/ 53		.4	1.3	2.5	.9	.3												37	37	67	66
52/ 51		.6	2.3	.9	.9													32	32	77	63
50/ 49	.1	.4	1.2	.3														14	14	35	47
48/ 47		.4	.6	.3														9	9	48	67
46/ 45		.4	.1															4	4	24	83
44/ 43		.1																1	1	14	54
42/ 41		.1																1	1		47
40/ 39																				1	43
38/ 37																					18
36/ 35																					16
TOTAL	.3	5.4	13.2	19.0	20.2	16.4	13.9	5.8	2.6	.4	.3	.4							684		684
																		684		684	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	271418	42134	61.6	13.364	684							
Dry Bulb	2782602	43274	63.3	8.101	684			28.3	12.9	2.5		90
Wet Bulb	2127418	37922	55.4	6.046	684			2.1				90
Dew Point	1687288	33662	49.2	6.701	684			.1				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 (STATION) ILLESHEIM AAF GL (STATION NAME) 9-76 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89												.2						1	1		
88/ 87								.3					.3					4	4		
86/ 85							.2			.2	.3							4	4		
84/ 83								.2			.2							2	2		
82/ 81							.2	.5	.8	.6								13	13		
80/ 79								1.2	.6	.2								13	13		
78/ 77						.2	.8	1.2	.3									16	16		
76/ 75						1.6	1.7	1.7	.6									36	36		
74/ 73					.8	.6	1.6	.8	.3	.3	.2							29	29	3	
72/ 71				.2	.9	1.2	3.0	2.2	.2	.2								50	50		
70/ 69					.9	2.2	1.4	1.2		.3								39	39	3	
68/ 67				.6	2.0	1.2	1.4	.6	.6									42	42	11	3
66/ 65	.2	.2	.8	3.0	1.6	1.9	1.1	.8	.2									61	61	38	1
64/ 63	.2	.3	.5	4.0	2.0	2.3	3.1	1.9										92	92	45	9
62/ 61		.2	.8	.9	2.6	1.6	.6	.2										44	44	61	12
60/ 59		.8	1.2	2.0	2.0	.8	.5											47	47	77	20
58/ 57		.9	.9	2.2	2.3	1.7	.2											53	53	77	44
56/ 55		1.4	.6	2.2	1.2	.2												36	36	61	70
54/ 53		.2	1.7	1.7	.8	.9												34	34	79	87
52/ 51		.2	.3	.5	.6													10	10	68	58
50/ 49		.5	.3	.3														7	7	67	55
48/ 47		.6																4	4	22	63
46/ 45		.8	.2															6	6	20	71
44/ 43																				10	39
42/ 41																				1	39
40/ 39																					30
38/ 37																					28
36/ 35																					10
34/ 33																					1
32/ 31																					3
TOTAL	.3	5.9	7.3	17.6	17.9	16.3	15.5	12.8	3.6	1.7	.8	.2	.3					643	643		643
																				643	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2347880	37772	58.7	16.176	643							
Dry Bulb	2759444	41794	65.0	8.174	643			34.9	16.5	4.1		90
Wet Bulb	2055362	36156	56.2	5.894	643			2.4	.4			90
Dew Point	1600410	31780	49.4	6.733	643		.4	.4				90

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34196 STATION | ILLESHEIM AAF DL STATION NAME | 69-70,76 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81									.8									1	1		
80/ 79									.8									1	1		
78/ 77							2.5											3	3		
74/ 73						.8	.8											2	2		
72/ 71						.8	.8	.8										3	3		
70/ 69				.8		1.7		.8										4	4		
68/ 67				.8	.8	.8		.8										4	4		
66/ 65				1.7	2.5	1.7	.8	.8										9	9	4	
64/ 63		.8	2.5	5.8	1.7	3.3	1.7											19	19	5	1
62/ 61		.8	.8	.8	1.7	1.7	2.5											10	10	5	1
60/ 59		.8	.8	5.0	2.5	2.5												14	14	8	2
58/ 57		2.5	2.5	5.8	1.7													15	15	15	8
56/ 55		2.5	1.7	6.6	2.5													16	16	14	10
54/ 53			3.3	3.3														8	8	17	11
52/ 51		.8	1.7	.8														4	4	13	10
50/ 49		2.5	1.7															5	5	20	11
48/ 47	.8	.8																2	2	11	20
46/ 45	.8																	1	1	4	19
44/ 43																					9
42/ 41																					15
40/ 39																					4
TOTAL	1.7	11.6	14.9	31.4	13.2	13.2	9.1	3.3	1.7										121		121
																		121		121	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	564360	8082	66.8	14.299	121							
Dry Bulb	447858	7314	60.4	6.925	121			13.4	5.2	.7		90
Wet Bulb	355800	6534	54.0	4.970	121							90
Dew Point	290937	5897	48.7	5.434	121							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34192 STATION | ILLESHEIM AAF GL STATION NAME | 69-73 YEARS | SEP MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89												.0						1	1		
88/ 87								.1				.0	.1					5	5		
86/ 85							.0			.0	.1	.0						7	7		
84/ 83							.1	.0	.0	.0	.0	.0						7	7		
82/ 81							.0	.2	.4	.2								23	23		
80/ 79							.0	.4	.3	.0								24	24		
78/ 77					.0	.1	.5	.3	.2									36	36		
76/ 75					.0	.0	.9	.5	.1									64	64		
74/ 73				.0	.4	.0	.8	.3	.2	.1	.0							72	72	3	
72/ 71			.1	.2	.7	1.0	1.3	.7	.0	.0								114	114	2	
70/ 69			.1	.3	1.0	1.3	.5	.5	.0	.1								113	113	5	
68/ 67			.2	.5	1.3	.7	.6	.3	.1									106	106	29	4
66/ 65	.1	.0	.6	1.3	1.1	1.1	.5	.3	.1									166	166	90	5
64/ 63	.0	.5	1.0	2.9	1.6	1.3	1.2	.7										292	292	126	23
62/ 61		.5	1.6	1.4	1.5	.9	.7	.0										198	198	180	44
60/ 59	.0	1.2	1.9	2.1	1.6	.8	.3											232	232	242	86
58/ 57	.2	2.6	1.5	2.2	1.5	.7	.2											261	261	286	185
56/ 55	.2	2.7	1.8	2.3	1.0	.1												237	237	269	268
54/ 53	.2	1.5	3.2	2.1	.7	.3												231	231	309	311
52/ 51	.3	2.2	2.6	.4	.4													175	175	304	245
50/ 49	.6	2.9	1.8	.2														162	162	380	270
48/ 47	.5	2.6	1.4	.1														137	137	251	334
46/ 45	.6	2.7	.4	.0														116	116	195	387
44/ 43	.4	1.1	.3															52	52	123	241
42/ 41	.3	.6	.0															27	27	46	211
40/ 39	.6	.5		.0														40	40	45	157
38/ 37	.2	.1																9	9	19	83
36/ 35	.1	.2																8	8	9	49
34/ 33	.1	.1																4	4	5	10
32/ 31	.0																	1	1	2	5
30/ 29																					1
24/ 23																					1
TOTAL	4.9	22.1	19.2	16.8	12.9	9.5	7.7	4.5	1.6	.5	.2	.1	.1					2920	2920	2920	2920

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	15586088	207642	71.1	16.767	2920							
Dry Bulb	10393508	172068	58.9	9.328	2920		.2	141.0	58.9	12.8		720
Wet Bulb	8409546	155518	53.3	6.589	2920		.5	9.6	.7			720
Dew Point	7051925	142277	48.7	6.398	2920		1.7	1.0				720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GE STATION NAME | 9-73 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
64/ 63				.2	.2													2	2		
60/ 59		.2	.6	.2														6	6		
58/ 57		.5	.3	.2														6	6	4	
56/ 55		1.2	.5	.9														17	17	10	3
54/ 53	.9	2.8	.6															28	28	17	19
52/ 51	.5	3.3	1.9															36	36	28	17
50/ 49	.3	4.2	1.1															36	36	42	30
48/ 47	1.1	6.2	.8	.3														54	54	47	32
46/ 45	3.4	9.4	1.7															94	94	74	92
44/ 43	2.5	5.6	1.9															64	64	74	67
42/ 41	2.3	5.9	.6															57	57	69	50
40/ 39	4.3	4.5	.2															58	58	72	78
38/ 37	5.6	3.4	.2															59	59	62	84
36/ 35	4.2	3.6																50	50	55	55
34/ 33	1.2	1.5																18	18	23	32
32/ 31	2.0	1.5																23	23	28	24
30/ 29	1.4	2.3																24	24	25	20
28/ 27	.5	.3																5	5	7	21
26/ 25	.3	.5																5	5	3	4
24/ 23	.3	.2																3	3	4	8
22/ 21	.2																	1	1	2	1
20/ 19																					3
TOTAL	31.0	57.0	10.2	1.7	.2													646	646	646	646

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5430737	59025	91.4	7.638	646							
Dry Bulb	1210209	27563	42.7	7.279	646		8.8					93
Wet Bulb	1140983	26795	41.5	6.771	646		9.9					93
Dew Point	1077427	26017	40.3	6.776	646		11.7					93

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 (STATION) ILLESHEIM AAF OL (STATION NAME) 69-78 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71							.1	.1										2	2		
70/ 69						.1												1	1		
68/ 67				.1														1	1		
66/ 65			.1	.1	.3	.1												5	5		
64/ 63			.3	.1	.1													4	4		
62/ 61			.3	.3	.1													5	5	4	
60/ 59			.5	.4	.4													10	10	5	
58/ 57		1.8	.7	1.2	.6													29	29	7	4
56/ 55		2.1	.6	1.2	1.0													33	33	23	6
54/ 53	.9	2.5	4.3	1.2	.4		.1											62	62	32	29
52/ 51	.3	2.2	3.6	.7														46	46	46	30
50/ 49	.4	4.2	3.7	1.2	.4													67	67	56	29
48/ 47	.4	7.6	2.5	.6	.3													77	77	77	54
46/ 45	1.6	8.8	5.1	.9														110	110	85	90
44/ 43	1.3	6.0	1.6	.6														64	64	100	102
42/ 41	.9	3.7	1.6	.4														45	45	77	59
40/ 39	1.0	4.2	1.5															45	45	56	84
38/ 37	1.2	3.1	.7	.1														35	35	50	58
36/ 35	.6	1.2																12	12	27	46
34/ 33	.9	.7																9	9	16	33
32/ 31	.1	.6																5	5	2	26
30/ 29		.1																1	1	4	10
28/ 27																				1	3
26/ 25																					4
22/ 21																					1
TOTAL	9.3	49.1	27.5	9.4	3.9	.3	.3	.1											668		668
																		668		668	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4703658	55536	83.1	11.367	666							
Dry Bulb	1522746	31576	47.3	6.725	668		.8	.6				93
Wet Bulb	1361876	29902	44.8	5.918	668		1.0					93
Dew Point	1214607	28183	42.2	6.191	668		6.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF BL STATION NAME | 69-78 YEARS | OCT 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
76/ 75								.1	.6									5	5		
74/ 73							.1											1	1		
72/ 71						.3	.4	.1										6	6		
70/ 69					.1	.4												4	4		
68/ 67				.1	.3	.7	.1	.1										10	10		
66/ 65			.1	.3	.7	1.0	.7											20	20		
64/ 63				.7	1.5	2.3	.7		.3									41	41		
62/ 61			.6	.7	1.5	.6		.3										25	25	12	
60/ 59		.3	1.3	1.8	1.2	.4												34	34	13	1
58/ 57		.9	1.2	2.8	1.9	.4	.4											52	52	24	2
56/ 55		1.5	1.6	3.0	.9	.7	.1											53	53	48	10
54/ 53	.1	1.8	2.5	4.5	1.3	1.3												78	78	59	33
52/ 51		.7	4.3	1.9	.7	.7												57	57	66	37
50/ 49	.1	.4	3.4	1.9	1.3													49	49	55	38
48/ 47	.4	4.5	5.1	1.0	.9	.6												84	84	36	65
46/ 45		5.1	3.6	1.0	.4													68	68	102	97
44/ 43	.3	2.5	1.3	.9														34	34	74	81
42/ 41		2.2	.6	.1														20	20	66	76
40/ 39	.3	2.4	.3															20	20	30	79
38/ 37		1.0	.3															9	9	25	51
36/ 35		.1	.1															2	2	9	36
34/ 33																				2	29
32/ 31																				1	17
30/ 29																					11
28/ 27																					4
26/ 25																					4
24/ 23																					1
TOTAL	1.3	23.3	26.5	21.0	12.9	10.3	2.8	.7	.9										672		672
																		672		672	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3519315	47697	71.0	14.126	672							
Dry Bulb	1901453	35375	52.6	7.650	672			3.6	.8			93
Wet Bulb	1552992	32062	47.7	5.889	672		.1					93
Dew Point	1265180	28850	42.9	6.297	672		5.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GE STATION NAME | 57- YEARS | OCT MONTH

 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
78/ 77									.1									1	1		
76/ 75									.1									1	1		
74/ 73								.3										2	2		
72/ 71					.1	.9	.3		.3									11	11		
70/ 69					.1	.6	.4	.7	.1									14	14		
68/ 67					.7	.9	1.0	.7		.4								26	26		
66/ 65			.1		1.0	1.5	.9	.1										25	25		
64/ 63				.9	2.1	2.4	.4	.3										41	41	4	
62/ 61			.7	1.5	1.3	.3		.3										28	28	11	
60/ 59			1.3	2.4	.7	.3		.3										34	34	15	
58/ 57		.4	1.5	1.5	1.9	.1												37	37	41	4
56/ 55		1.3	.7	3.1	2.2	1.6												61	61	60	10
54/ 53		.6	3.3	4.5	1.0	2.1												77	77	62	40
52/ 51		.7	3.0	1.0	1.3	.3												43	43	37	41
50/ 49	.1	1.5	5.2	2.5	1.3	.4	.1											76	76	78	42
48/ 47	.1	5.1	2.2	1.5	.6	.1												65	65	74	56
46/ 45	.4	3.4	2.7	.4	.3	.1												50	50	98	108
44/ 43	.1	1.8	1.3	.7	.1													31	31	77	84
42/ 41	.7	1.5	.6	.4														22	22	50	66
40/ 39	.7	1.8	.3															19	19	31	61
38/ 37		.7																5	5	23	52
36/ 35		.1																1	1	9	34
34/ 33																					31
32/ 31																					24
30/ 29																					8
28/ 27																					5
26/ 25																					3
24/ 23																					1
TOTAL	2.4	19.1	23.6	20.6	15.2	11.8	3.3	2.8	.7	.4								670	670		670
																				670	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3354480	46294	69.1	15.259	670							
Dry Bulb	1980316	36014	53.8	8.154	670			7.6	.6			93
Wet Bulb	1589164	32378	48.3	6.050	670							93
Dew Point	1275021	28911	43.2	6.410	670		5.7					93

USAF-TAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GL STATION NAME | 69-70,73,76 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65						1.2												1	1		
64/ 63				1.2	3.7	1.2												5	5		
62/ 61			1.2		7.3													7	7		
58/ 57		2.4	4.9	4.9														10	10	2	
56/ 55		4.9	2.4	1.2														7	7	6	
54/ 53		2.4	4.9	3.7														9	9	15	8
52/ 51		1.2	1.2															2	2	10	2
50/ 49		1.2	1.2															2	2	7	8
48/ 47		12.2	7.3	4.9														20	20	6	8
46/ 45		9.8	1.2	2.4														11	11	10	21
44/ 43		2.4																2	2	16	9
42/ 41		2.4		1.2														3	3	4	9
40/ 39	1.2		1.2															2	2	3	7
38/ 37			1.2															1	1		3
36/ 35																				2	3
34/ 33																				1	1
32/ 31																					1
30/ 29																					1
26/ 25																					1
TOTAL	1.2	39.0	26.3	19.5	11.0	2.4												82	82		82
																		82		82	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	505146	6354	77.5	12.565	82							
Dry Bulb	222887	4241	51.7	6.615	82							93
Wet Bulb	191571	3939	48.0	5.392	82							93
Dew Point	165613	3655	44.6	5.771	82		3.4					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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 9-7? YEARS | OCT MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77									.0									1	1		
76/ 75								.0	.2									6	6		
74/ 73							.0	.1										3	3		
72/ 71					.0	.3	.2	.1	.1									19	19		
70/ 69					.1	.3	.1	.2	.0									19	19		
68/ 67				.1	.3	.4	.3	.2		.1								37	37		
66/ 65			.1	.1	.5	.7	.4	.0										51	51		
64/ 63			.1	.5	1.0	1.3	.3	.1	.1									93	93	4	
62/ 61			.4	.6	.9	.2		.1										65	65	27	
60/ 59		.1	.9	1.2	.6	.4		.1										84	84	33	1
58/ 57		.9	1.0	1.3	1.1	.1	.1											134	134	78	10
56/ 55		1.6	.9	2.0	1.0	.6	.0											171	171	147	29
54/ 53	.4	1.9	2.8	2.6	.7	.4	.0											254	254	185	129
52/ 51	.2	1.7	3.1	.9	.5	.3												184	184	187	127
50/ 49	.3	2.5	3.3	1.4	.8	.1	.0											231	231	238	147
48/ 47	.5	6.0	2.8	1.0	.4	.2												303	303	290	215
46/ 45	1.3	6.9	3.2	.7	.2	.0												340	340	374	409
44/ 43	1.0	4.0	1.6	.5	.0													199	199	350	346
42/ 41	.9	3.4	.8	.3														150	150	268	274
40/ 39	1.7	3.1	.6															148	148	198	316
38/ 37	1.6	2.0	.3	.0														110	110	160	249
36/ 35	1.2	1.2	.0															67	67	105	177
34/ 33	.4	.5																27	27	42	126
32/ 31	.5	.5																28	28	31	92
30/ 29	.3	.6																25	25	29	50
28/ 27	.1	.1																5	5	8	33
26/ 25	.1	.1																5	5	3	16
24/ 23	.1	.0																3	3	4	10
22/ 21	.0																	1	1	2	2
20/ 19																					3
TOTAL	10.6	37.4	22.1	13.4	8.1	5.5	1.6	.9	.4	.1								2763	2763	2763	2763

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	17722271	217189	78.6	15.339	2763							
Dry Bulb	6884006	135842	49.2	8.623	2763		18.0	22.9	2.7			744
Wet Bulb	5880420	126120	45.6	6.638	2763		20.7					744
Dew Point	5039059	116629	42.2	6.492	2763		55.5					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34192 STATION | ILLESHEIM AAF GE STATION NAME | 68-73 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
62/ 61				.2	.2													2	2		
60/ 59			.2	.2	.3													4	4		
58/ 57				.3														2	2		
56/ 55		.5		.3	.2													6	6	3	
54/ 53		.2	.3	.3														5	5	5	1
52/ 51		.5	.5															6	6	6	6
50/ 49		1.3	.5	.3														14	14	9	
48/ 47		3.1	1.0															25	25	22	8
46/ 45	.5	5.4	2.6	1.0														58	58	22	35
44/ 43	.4	5.0	1.1	.7														47	47	54	29
42/ 41	.2	11.2	1.3															78	78	55	42
40/ 39	1.8	7.5	.8															62	62	76	74
38/ 37	2.8	6.8	1.1															66	66	78	66
36/ 35	2.8	8.6	.2															71	71	79	84
34/ 33	4.4	5.0	.2															59	59	75	68
32/ 31	1.8	2.3	.3															27	27	38	63
30/ 29	2.5	2.3	.3															32	32	38	54
28/ 27	2.8	1.6	.2															28	28	26	33
26/ 25	.7																	4	4	10	23
24/ 23	.8	.2																6	6	5	10
22/ 21	.2	.2																2	2	2	3
20/ 19	.5	.2																4	4	4	4
18/ 17	.8																	5	5	6	6
16/ 15	.3																	2	2	2	5
14/ 13																					1
TOTAL	23.6	62.0	10.6	3.3	.7														615		615
																		615		615	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4852084	54344	88.4	9.026	615							
Dry Bulb	941697	23645	38.4	7.288	615		16.1					90
Wet Bulb	869632	22768	37.0	6.599	615		19.2					90
Dew Point	787253	21641	35.2	6.474	615		29.6					90

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

34190 STATION | ILLESHEIM AAF GE STATION NAME | 9-75 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)°																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31				
64/ 63						.3												2	2		
60/ 59			.2		.5													4	4		
58/ 57		.2	.3	.3	.2													6	8		
56/ 55		.3	.2	.6	.2													8	8	3	
54/ 53		.3	.3	.6	.3	.2	.2											12	12	6	3
52/ 51		.3	.6	.5	.2													10	10	7	3
50/ 49		1.1	2.7	.3														26	26	10	3
48/ 47	.2	3.6	3.5	.2														47	47	28	5
46/ 45	.2	8.0	3.0	.3	.2													74	74	45	35
44/ 43	.3	6.4	3.1	.2														65	65	79	51
42/ 41		6.6	1.7	.2														54	54	67	46
40/ 39	1.1	6.3	2.2		.2													62	62	71	84
38/ 37	2.0	7.4	.8															65	65	72	70
36/ 35	2.2	8.2	.8	.2														72	72	78	80
34/ 33	1.6	4.7	.3															42	42	67	71
32/ 31	1.4	2.7																26	26	29	70
30/ 29	2.7	1.9																29	29	38	42
28/ 27	1.3	.6																12	12	14	32
26/ 25	.3	.8																11	11	9	15
24/ 23	.3	.5																5	5	7	9
22/ 21																				2	8
20/ 19	.3	.2																3	3	3	2
18/ 17	.3																	2	2	2	6
16/ 15																					2
TOTAL	14.9	60.0	19.6	3.3	1.6	.5	.2											637	637	637	637

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4667662	54146	85.0	10.122	637							
Dry Bulb	1064309	25617	40.2	7.324	637		12.4					90
Wet Bulb	961633	24411	38.3	6.413	637		14.7					90
Dew Point	845068	22858	35.9	6.249	637		26.3					90

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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 59-73 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
64/ 63					.3	.3												4	4		
62/ 61				.5	.3		.2											7	7		
60/ 59			.5	.8	.3		.2											11	11		
58/ 57				.8	.8	.3	.2											13	13	1	
56/ 55			.5	1.7	.8	.2												20	20	9	
54/ 53		.5	.2	1.1	.6	.3												17	17	8	2
52/ 51		.2	1.6	2.7	.5													31	31	14	5
50/ 49		.5	3.5	1.9														37	37	22	7
48/ 47		2.4	3.3	1.4	.2													46	46	43	12
46/ 45	.3	5.5	4.9	1.6	.2													79	79	61	33
44/ 43	.2	5.0	4.3	.6	.3													66	66	76	51
42/ 41	.5	3.8	3.8	.2	.2													53	53	69	54
40/ 39	.a	6.3	1.9	.5	.2													60	60	64	98
38/ 37	1.1	6.0	.a	.5														52	52	75	60
36/ 35	1.1	5.4	.2															42	42	63	82
34/ 33	1.4	3.0	.2															29	29	46	87
32/ 31	1.3	2.5	.2															25	25	31	41
30/ 29	1.3	1.7	.2															20	20	26	37
28/ 27	1.1	1.3																15	15	15	28
26/ 25	.6	.5																7	7	11	21
24/ 23		.2																1	1	1	10
22/ 21																					4
20/ 19																					3
TOTAL	9.4	44.6	25.5	14.2	4.7	1.1	.5											635	635		635
																		635		635	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4121327	50559	79.6	12.292	635							
Dry Bulb	1201834	27160	42.8	7.958	635		9.6					90
Wet Bulb	1040661	25373	40.0	6.504	635		11.9					90
Dew Point	871863	23215	36.6	6.042	635		20.4					90

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

34190 STATION | ILLESHEIM AAF GE STATION NAME | -9-7X YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
64/ 63				.3	.4													3	3		
62/ 61				.5	.5			.2										7	7		
60/ 59			.2	.5	.6	.2		.2										10	10		
58/ 57			.3	1.0	.6	.5	.2											16	16	4	
56/ 55		.2	.8	1.3	.5	.5												20	20	4	
54/ 53			1.3	1.9	.6													24	24	10	5
52/ 51		.5	1.9	1.3	.5													26	26	22	2
50/ 49		1.3	2.9	1.7	.2	.2												39	39	21	10
48/ 47	.3	3.3	4.1	1.1	.2													57	57	49	25
46/ 45	.2	5.4	3.8	1.7	.3													72	72	55	41
44/ 43	.6	4.9	4.3	1.6														72	72	61	44
42/ 41	.3	4.9	1.4	.2														43	43	65	53
40/ 39	.3	6.0	2.4															55	55	70	70
38/ 37	1.0	5.2	.8	.3														50	50	78	84
36/ 35	1.0	4.8	.2															37	37	52	79
34/ 33	2.1	2.9																31	31	38	81
32/ 31	1.9	2.2																26	27	29	51
30/ 29	1.1	2.4																22	22	24	33
28/ 27	1.0	1.4																15	15	21	20
26/ 25	.2	.5																4	4	5	19
24/ 23																				1	9
22/ 21																					3
TOTAL	10.3	45.9	24.3	13.4	4.1	1.3	.2	.3										629	630	529	629

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4184042	50700	80.6	12.455	629							
Dry Bulb	1205913	27103	43.0	7.967	630		9.7					90
Wet Bulb	1048534	25354	40.3	6.503	629		11.4					90
Dew Point	890065	23353	37.1	6.056	629		19.3					90

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

E 5668

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 73-77 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 61					1.7													1	1		
56/ 55		1.7																1	1		
54/ 53			1.7	1.7	1.7													3	3	2	
52/ 51		1.7	6.8	1.7														6	6	1	1
50/ 49			3.4															2	2	4	
48/ 47		5.1	1.7	1.7														5	5	6	3
46/ 45		10.2	6.8															10	10	3	6
44/ 43		3.4	1.7															3	3	11	8
42/ 41		6.8	3.4															6	6	3	4
40/ 39	3.4	3.4																4	4	7	11
38/ 37	1.7	3.4	3.4															5	5	5	3
36/ 35	1.7	5.1																4	4	4	5
34/ 33		8.5																5	5	7	4
32/ 31																				2	5
30/ 29		1.7																1	1	1	5
28/ 27	1.7	3.4																3	3	3	2
26/ 25																					1
24/ 23																					1
TOTAL	8.5	54.2	28.8	5.1	3.4													55	59	59	59

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≤67 F	≤73 F	≥80 F	≥93 F	Total
Rel. Hum.	415919	4921	83.4	9.715	59							
Dry Bulb	111903	2531	42.9	7.574	59		6.1					90
Wet Bulb	100063	2399	40.7	6.588	59		9.2					90
Dew Point	87693	2245	38.1	8.254	59		21.4					90

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

34190 STATION | ILLESHEIM AAF DL STATION NAME | 59-74 YEARS | NOV MONTH

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 29	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63				.1	.1	.2												9	9		
62/ 61				.3	.3		.0	.0										17	17		
60/ 59			.2	.3	.4	.0	.0	.0										29	29		
58/ 57		.0	.2	.6	.4	.2	.1											37	37	5	
56/ 55		.3	.3	1.0	.4	.2												55	55	12	
54/ 53		.2	.5	1.0	.4	.1	.0											61	61	31	11
52/ 51		.4	1.3	1.1	.3													79	79	50	17
50/ 49		1.0	2.4	1.0	.0	.0												118	118	66	20
48/ 47	.1	3.1	3.0	.7	.1													180	180	148	53
46/ 45	.3	6.2	3.6	1.1	.2													293	293	186	150
44/ 43	.5	5.3	3.2	.7	.1													253	253	301	183
42/ 41	.2	6.6	2.1	.1	.0													234	234	259	199
40/ 39	1.0	6.4	1.8	.1	.1													243	243	288	337
38/ 37	1.9	6.3	.9	.2														238	238	308	283
36/ 35	1.7	6.7	.3	.0														226	226	276	330
34/ 33	2.3	4.0	.2															167	167	234	311
32/ 31	1.6	2.4	.1															104	105	129	231
30/ 29	1.9	2.1	.1															104	104	127	171
28/ 27	1.3	1.3	.0															7	73	79	115
26/ 25	.8	.4																26	26	35	79
24/ 23	.3	.2																12	12	14	39
22/ 21	.0	.0																2	2	4	18
20/ 19	.2	.1																7	7	7	9
18/ 17	.3																	7	7	8	12
16/ 15	.1																	2	2	2	7
14/ 13																					1
TOTAL	14.4	53.1	20.3	8.5	2.8	.7	.2	.1										2576	2577	2576	2576
																		2576		2576	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	18249498	214762	83.4	11.570	2570							
Dry Bulb	4526806	106090	41.2	7.864	2577		94.4					720
Wet Bulb	4021612	100338	39.0	6.634	2576		113.2					720
Dew Point	3482966	93344	36.2	6.249	2576		190.6					720

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

341[illegible] ILLESHEIM AAF DL 9-73 DEC
STATION STATION NAME YEARS MONTH

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

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
54/ 53		.4	.2															3	3		
52/ 51			.2															1	1	2	
50/ 49		.7	.4															6	6	3	2
48/ 47	.2	1.6	.5															13	13	5	4
46/ 45	.4	1.9	1.1															19	19	20	13
44/ 43	.2	2.5	.4															17	17	14	10
42/ 41		3.7	1.2															28	28	20	12
40/ 39	.7	3.5	.9															29	29	23	30
38/ 37	1.2	4.4	1.1															38	38	38	20
36/ 35	2.5	8.1	.2															61	61	53	43
34/ 33	3.5	6.1	.2															56	56	69	53
32/ 31	.7	4.9	.2															33	33	48	49
30/ 29	3.3	2.8																35	35	40	66
28/ 27	7.7	1.8																54	54	57	59
26/ 25	5.6	3.0																49	49	35	39
24/ 23	3.9	1.9																33	33	41	37
22/ 21	1.6	2.5																24	24	28	33
20/ 19	2.5	.7																18	18	18	21
18/ 17	1.4	.9																13	13	15	15
16/ 15	3.0	.5																20	20	21	24
14/ 13	1.1	.2																7	7	6	13
12/ 11	.4	.2																3	3	3	10
10/ 9	.5	.2																6	6	6	6
8/ 7	.2																	1	1	2	4
6/ 5																					2
4/ 3	.2																	1	1	1	1
2/ 1																					2
0/ -1	.5																	3	3	3	
-2/ -3																					1
-4/ -5																					2
TOTAL	41.5	52.2	6.3															571	571	571	571

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4650115	51397	90.0	7.581	571							
Dry Bulb	597075	17701	31.0	9.209	571	.5	48.9					93
Wet Bulb	561254	17198	30.1	8.712	571	.5	52.8					93
Dew Point	504926	16192	28.4	8.960	571	.5	62.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF DL STATION NAME | 9-70 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55			.3															2	2		
54/ 53			.5															3	3		
52/ 51			.3															2	2	4	
50/ 49		.6	.8															9	9	2	3
48/ 47	.2	1.4	.3	.2														13	13	10	5
46/ 45		2.8	.6	.3														25	25	15	14
44/ 43	.3	3.3	1.6															33	33	21	12
42/ 41		2.6	1.1															24	24	31	16
40/ 39	.6	3.6	1.7															38	38	31	24
38/ 37	1.2	6.7	2.3	.2														67	67	48	30
36/ 35	1.6	7.3	2.0															70	70	73	51
34/ 33	1.2	8.2	.6															65	65	77	63
32/ 31	.9	3.6																29	29	52	77
30/ 29	3.4	3.9	.2															48	48	49	60
28/ 27	5.1	4.7	.3															65	65	59	74
26/ 25	2.6	3.9		.2														44	44	40	39
24/ 23	.9	2.2	.2															21	21	36	36
22/ 21	.5	2.6																20	20	16	32
20/ 19	2.0	1.1																20	20	29	16
18/ 17	.9	1.1																13	13	15	23
16/ 15	1.9	.5																15	15	17	23
14/ 13	.2	.5																4	4	3	18
12/ 11	.3																	2	2	4	4
10/ 9	.3	.2																3	3	2	10
8/ 7																				1	3
4/ 3	.3																	2	2	2	2
2/ 1	.5																	3	3	3	2
0/ -1	.2																	1	1	1	2
-2/ -3	.2																	1	1	1	2
-4/ -5	.2																	1	1	1	
-10/-11																					2
TOTAL	25.7	60.7	12.9	.8															643		643
																		643		643	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4834608	55480	86.3	8.613	643							
Dry Bulb	728823	20831	32.4	9.169	643	.4	42.2					93
Wet Bulb	669625	19995	31.1	8.633	643	.4	47.9					93
Dew Point	581301	18431	28.7	9.085	643	.9	61.5					95

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
34190	ILLESHEIM AAF DL	69-76	DEC

PAGE 1 — HOURS (L. S. T.) 1200-1400

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 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	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
56/ 55			.2	.2														2	2		
54/ 53			.5	.2														4	4		
52/ 51		.2	.5	.3														6	6	2	
50/ 49		.8		.6														9	9	5	
48/ 47		1.4	.8	.5	.2													18	18	13	7
46/ 45		3.0	1.7	.5														34	34	16	14
44/ 43		2.5	3.1															36	36	21	12
42/ 41	.2	2.7	1.6	.8														33	33	43	18
40/ 39	.3	5.8	3.0	.5														61	61	32	30
38/ 37	1.3	5.5	2.5	.5														62	62	65	31
36/ 35	.2	5.7	3.8	.2	.2													63	63	61	58
34/ 33	1.1	7.2	.6	.3														59	59	66	59
32/ 31	1.3	4.3	1.4															44	44	77	55
30/ 29	1.4	6.1	1.4	.2														58	58	63	77
28/ 27	3.1	4.3	1.6															57	57	47	73
26/ 25	.5	3.9	.3															30	30	38	50
24/ 23	.5	2.5	.2															20	20	31	29
22/ 21	.5	1.9																15	15	23	33
20/ 19	.8	.5																8	8	13	29
18/ 17		.2																1	1	4	18
16/ 15	.3	.3																4	4	4	13
14/ 13		.6																4	4	2	7
12/ 11	.2	.3																3	3	3	8
10/ 9	.3																	2	2	4	5
8/ 7																					5
6/ 5	.2																	1	1	1	2
4/ 3	.2																	1	1	1	1
-2/ -3																					1
TOTAL	12.1	59.7	23.1	4.7	.3													635	635	635	635

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4325447	52011	81.9	10.155	635							
Dry Bulb	800198	21946	34.6	8.113	635		36.3					93
Wet Bulb	713306	20734	32.7	7.567	635		45.5					93
Dew Point	592709	18685	29.4	8.226	635	.1	59.5					93

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3419[illegible] STATION | ILLESHEIM AAF DL STATION NAME | [illegible]-78 YEARS | DEC MONTH

 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
56/ 55				.2														1	1		
54/ 53			.2															1	1		
52/ 51			1.1	.2														7	7	1	
50/ 49		.9		.7														9	9	5	
48/ 47		1.4	.2	.5														12	12	7	8
46/ 45		2.5	2.2	.2														29	29	12	10
44/ 43		1.8	3.2	.2														29	29	22	10
42/ 41	.2	2.3	1.1															20	20	30	11
40/ 39		5.8	3.4	.2														52	52	32	14
38/ 37	1.8	5.2	1.8	.4														50	50	57	44
36/ 35	.2	8.3	2.2		.2													60	60	48	45
34/ 33	.7	8.1	2.5	.2														64	64	67	51
32/ 31	1.4	5.0	1.3	.2														44	44	63	66
30/ 29	2.0	4.1	1.6	.2	.4													45	45	52	65
28/ 27	4.7	4.9	1.1															59	59	56	61
26/ 25	.7	4.9	.2															32	32	30	44
24/ 23	.5	1.3	.4															12	12	38	21
22/ 21		1.1	.2															7	7	7	27
20/ 19	1.3	.4																9	9	15	26
18/ 17		.4																2	2	2	20
16/ 15	.2	.4																3	3	2	8
14/ 13	.5																	3	3	4	8
12/ 11	.4																	2	2	2	8
10/ 9	.4	.4																4	4	3	5
8/ 7																				1	
6/ 5																					2
4/ 3																					1
2/ 1																					1
TOTAL	14.7	59.4	22.5	3.1	.4													556	556		556
																		556		556	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3867563	46035	82.8	10.046	556							
Dry Bulb	686917	19059	34.3	7.781	556		37.1					93
Wet Bulb	615434	18052	32.5	7.269	556		46.0					93
Dew Point	517043	16361	29.4	8.009	556		60.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GE STATION NAME | 9-70,78 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
46/ 45		1.8																1	1		
44/ 43			5.3															3	3	1	1
42/ 41			1.8															1	1		
40/ 39																				2	
38/ 37	3.5	1.8	1.8															4	4	3	2
36/ 35		10.5																6	6	3	3
34/ 33	1.8	7.0																5	5	6	5
32/ 31	1.8	7.0																5	5	3	3
30/ 29		1.8																1	1	1	11
28/ 27	10.5	10.5																12	12	8	5
26/ 25	5.3	3.5																5	5	7	4
24/ 23	3.5	1.8																3	3	4	7
22/ 21		7.0																4	4	4	3
20/ 19	5.3	1.8																4	4	4	5
18/ 17																				1	2
16/ 15	1.8																	1	1	1	1
14/ 13																					3
10/ 9		1.8																1	1		
8/ 7	1.8																	1	1	2	
4/ 3																					2
TOTAL	35.1	56.1	8.8															57	57		57

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	444072	5014	88.0	7.339	57		60.4					93
Dry Bulb	51806	1658	29.1	7.994	57		66.9					93
Wet Bulb	48123	1601	28.1	7.505	57		75.1					93
Dew Point	41857	1473	25.9	7.884	57							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF GL STATION NAME | 68-75 YEARS | DEC MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
56/ 55			.1	.1														5	5		
54/ 53		.1	.3	.0														11	11		
52/ 51		.0	.5	.1														16	16	9	
50/ 49		.7	.3	.3														33	33	15	5
48/ 47	.1	1.4	.4	.3	.0													56	56	35	24
46/ 45	.1	2.6	1.4	.3														108	108	63	51
44/ 43	.1	2.5	2.2	.0														118	118	79	43
42/ 41	.1	2.8	1.3	.2														106	106	124	57
40/ 39	.4	4.5	2.2	.2														180	180	121	98
38/ 37	1.4	5.4	1.9	.2														221	221	211	127
36/ 35	1.1	7.4	2.0	.0	.1													260	260	238	200
34/ 33	1.9	7.4	.9	.1														249	249	285	231
32/ 31	1.1	4.5	.7	.0														155	155	249	250
30/ 29	2.5	4.2	.8	.1	.0													187	187	205	279
28/ 27	5.2	4.1	.7															247	247	227	272
26/ 25	2.4	3.9	.1	.0														160	160	150	176
24/ 23	1.5	2.0	.2															89	89	150	130
22/ 21	.8	2.2	.0															70	70	76	128
20/ 19	1.7	.7																59	59	79	97
18/ 17	.6	.6																29	29	37	78
16/ 15	1.3	.4																43	43	45	69
14/ 13	.4	.3																18	18	15	49
12/ 11	.3	.1																10	10	12	30
10/ 9	.4	.2																16	16	15	26
8/ 7	.1																	2	2	6	12
6/ 5	.0																	1	1	1	6
4/ 3	.2																	4	4	4	7
2/ 1	.1																	3	3	3	5
0/ -1	.2																	4	4	4	2
-2/ -3	.0																	1	1	1	4
-4/ -5	.0																	1	1	1	2
-10/-11																					2
TOTAL	23.4	58.0	16.1	2.1	.2													2462	2462	2462	2462

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	18130805	209937	85.3	9.652	2462							
Dry Bulb	2864319	81195	33.0	8.718	2462	1.8	332.1					744
Wet Bulb	2607742	77580	31.5	8.141	2462	1.8	387.4					744
Dew Point	2237836	71148	28.9	8.594	2462	3.0	490.8					744

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3419? STATION | ILLESHEIM AAF GL STATION NAME | 0-79 YEARS | ALL MONTH | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95													.0	.0	.0			3	3		
92/ 91											.0	.0		.0				13	13		
90/ 89									.0	.0	.0	.0	.0	.0	.0			31	31		
88/ 87								.0	.0	.0	.0	.0	.0	.0	.0			66	66		
86/ 85							.0	.0	.0	.0	.1	.0	.0	.0	.0			81	81		
84/ 83						.0	.0	.1	.1	.1	.0	.0	.0	.0	.0			143	143		
82/ 81						.0	.1	.1	.3	.2	.1	.0	.0	.0	.3			264	264		
80/ 79						.1	.1	.2	.2	.1	.1	.0	.0					268	269		
78/ 77				.0	.0	.1	.3	.3	.2	.1	.1	.0	.0					327	327		
76/ 75		.0	.0	.0	.1	.3	.4	.4	.3	.1	.0	.0	.0					497	497	1	
74/ 73		.0	.0	.1	.2	.4	.4	.4	.2	.0	.0	.0						551	551	14	
72/ 71			.0	.1	.4	.5	.6	.4	.2	.1	.0							723	723	91	1
70/ 69		.0	.1	.2	.4	.6	.4	.3	.1	.1	.0							736	736	123	5
68/ 67	.0	.0	.2	.3	.6	.6	.4	.3	.1	.1	.0							788	788	278	23
66/ 65	.0	.0	.5	.6	.8	.6	.5	.2	.1	.0	.0							992	992	603	58
64/ 63	.0	.4	.6	1.1	.8	.8	.5	.3	.1	.0								1495	1495	904	242
62/ 61	.0	.4	.7	.8	.8	.5	.3	.1	.0	.0								1097	1097	1194	363
60/ 59	.0	.6	.9	1.0	.8	.4	.2	.1	.0									1221	1221	1445	687
58/ 57	.1	1.1	.8	1.0	.7	.4	.2	.0	.0									1338	1338	1616	1000
56/ 55	.1	1.2	.9	1.2	.6	.3	.1	.0	.0									1407	1407	1624	1225
54/ 53	.1	1.0	1.5	1.1	.5	.4	.0	.0										1460	1460	1714	1637
52/ 51	.1	.9	1.5	.5	.3	.1	.0		.0									1089	1089	1651	1585
50/ 49	.1	1.3	1.3	.7	.2	.1	.0	.0										1172	1172	1793	1565
48/ 47	.2	1.9	1.3	.6	.3	.1	.0											1320	1320	1660	1722
46/ 45	.3	2.7	1.5	.7	.3	.1	.0	.0										1714	1714	1835	2451
44/ 43	.2	1.9	1.4	.6	.2	.0	.0											1351	1351	1666	1733
42/ 41	.2	2.2	1.1	.4	.1	.0												1247	1247	1438	1528
40/ 39	.4	2.6	1.2	.2	.1	.0												1416	1416	1521	1654
38/ 37	.7	2.8	1.0	.3	.0	.0												1525	1525	1730	1629
36/ 35	.6	3.4	.8	.1	.0													1565	1565	1749	2033
34/ 33	.9	2.5	.5	.1	.0													1213	1213	1738	1826
32/ 31	.7	1.9	.4	.0														929	930	1286	1790
30/ 29	.7	1.6	.2	.0	.0													813	813	1085	1509
28/ 27	1.2	1.1	.2	.0														791	791	815	1439

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34190 STATION | ILLESHEIM AAF OL STATION NAME | 9-75 YEARS | ALL MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
26/ 25	.5	1.0	.1	.0														489	489	493	634
24/ 23	.3	.5	.0															251	251	430	594
22/ 21	.3	.4	.0															202	202	253	509
20/ 19	.4	.1	.0															166	166	213	381
18/ 17	.2	.1																109	109	124	315
16/ 15	.2	.1																92	92	102	186
14/ 13	.1	.1																60	60	54	129
12/ 11	.1	.0																46	46	46	101
10/ 9	.1	.0																51	51	56	89
8/ 7	.0	.0																16	16	22	39
6/ 5	.0																	9	9	10	22
4/ 3	.0																	10	10	10	24
2/ 1	.0																	7	7	7	17
0/ -1	.0																	14	14	14	10
-2/ -3	.0																	1	1	1	7
-4/ -5	.0																	1	1	1	6
-10/-11																					2
TOTAL	9.1	33.9	19.2	11.7	7.9	6.2	4.6	3.2	2.0	.0	.5	.2	.2	.1	.0			31172			31170
																		31170		31170	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	179355099	2300285	73.8	17.549	31170							
Dry Bulb	83830468	1545402	49.6	15.214	31172	4.6	1169.3	1256.5	629.4	203.6	.9	8760
Wet Bulb	67458573	1400393	44.9	12.072	31170	4.6	1445.9	131.6	4.0			8760
Dew Point	55249939	1263139	40.5	11.416	31170	7.3	2295.6	8.1				8760

USAFETAC FORM 0-26-5 (OL A) JUL 64 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

34190 — STATION
ILLESHEIM AAF DL — STATION NAME
69-79 — YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	22.0	33.0				76.0		54.8	51.2	41.6			50.2
	S D								5.432	3.373	3.114			7.452
	TOTAL OBS	1	1				1		10	41	8			62
03-05	MEAN		36.0			35.0			54.0	51.0	40.5			50.9
	S D								6.089	3.978	5.010			6.277
	TOTAL OBS		1			1			28	48	6			84
06-08	MEAN	29.6	31.9	34.5	40.0	50.4	55.9	59.2	57.4	50.6	42.7	33.4	31.0	43.8
	S D	9.438	8.952	8.618	6.929	6.362	6.160	5.918	5.642	7.117	7.279	7.288	9.209	12.720
	TOTAL OBS	606	536	586	554	545	600	598	667	649	646	615	571	7173
09-11	MEAN	31.5	33.9	39.0	46.6	56.9	62.4	66.4	65.2	58.0	47.3	40.2	32.4	48.5
	S D	9.350	6.445	8.894	8.250	7.554	7.697	7.781	6.855	7.266	6.725	7.324	9.169	14.737
	TOTAL OBS	677	603	699	669	659	660	645	703	685	668	637	643	7948
12-14	MEAN	34.2	37.3	43.9	50.6	60.6	65.9	70.3	69.7	63.3	52.6	42.8	34.6	52.3
	S D	8.094	6.499	9.636	9.415	8.763	8.846	9.091	7.969	8.101	7.650	7.958	8.113	15.448
	TOTAL OBS	670	594	687	664	643	639	638	689	684	672	635	635	7850
15-17	MEAN	34.4	38.5	45.8	52.1	62.4	67.3	71.9	71.3	65.0	53.8	43.0	34.3	53.3
	S D	7.723	6.800	10.115	9.786	9.136	9.485	9.544	8.451	8.174	8.154	7.967	7.781	15.886
	TOTAL OBS	636	569	648	637	597	578	567	625	643	670	630	556	7356
18-20	MEAN	27.4	31.9	37.9	46.5	59.4	67.0	71.2	69.0	60.4	51.7	42.9	29.1	51.9
	S D	7.072	6.726	6.867	8.846	8.227	7.888	10.029	8.244	6.925	6.615	7.574	7.994	16.567
	TOTAL OBS	44	25	31	30	26	29	51	82	121	82	59	57	637
21-23	MEAN				45.0					53.1	45.2	34.0		51.3
	S D									3.530	2.089			5.055
	TOTAL OBS				1					49	11	1		62
ALL HOURS	MEAN	32.4	35.4	40.9	47.6	57.8	62.9	67.0	65.7	58.9	49.2	41.2	33.0	49.6
	S D	8.883	7.153	10.264	9.797	9.188	9.201	9.546	9.081	9.328	8.623	7.864	8.718	15.214
	TOTAL OBS	2634	2329	2651	2555	2471	2507	2499	2804	2920	2763	2577	2462	31172

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34190 ILLESHEIM AAF DL 69-79
STATION STATION NAME YEARS

HRS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	22.0	33.0				61.0		51.7	48.3	40.5			47.4
	S D								5.478	2.610	2.673			6.044
	TOTAL OBS	1	1				1		10	41	8			62
03-05	MEAN		34.0			33.0			50.4	48.4	40.0			48.1
	S D								5.452	3.356	4.299			5.372
	TOTAL OBS		1			1			28	48	6			84
06-08	MEAN	29.7	30.8	33.1	37.9	47.5	52.9	55.8	54.7	48.7	41.5	37.0	30.1	41.8
	S D	8.865	6.565	8.085	6.229	5.494	5.375	5.091	5.093	6.426	6.771	6.599	8.712	11.736
	TOTAL OBS	606	536	586	554	545	600	598	667	649	646	615	571	7173
09-11	MEAN	30.2	32.4	36.2	41.7	50.8	55.9	59.1	58.6	53.3	44.8	38.3	31.1	44.5
	S D	8.724	5.991	7.756	6.356	5.632	5.689	5.384	4.803	5.866	5.918	6.413	8.633	12.302
	TOTAL OBS	677	603	699	669	659	660	645	703	685	668	637	643	7948
12-14	MEAN	32.3	34.7	39.1	43.5	52.0	56.8	60.1	59.7	55.4	47.7	40.0	32.7	46.3
	S D	7.448	5.671	7.616	6.545	5.962	5.740	5.417	4.866	6.046	5.889	6.504	7.567	11.871
	TOTAL OBS	670	594	687	664	643	639	638	689	684	672	635	635	7850
15-17	MEAN	32.6	35.5	40.2	44.3	52.8	57.3	60.5	60.0	56.2	48.3	40.3	32.5	46.7
	S D	7.134	5.635	7.615	6.469	5.822	5.824	5.271	4.779	5.894	6.050	6.503	7.269	11.785
	TOTAL OBS	636	569	648	637	596	578	567	625	643	670	629	556	7354
18-20	MEAN	26.6	30.4	35.1	42.1	50.7	58.8	61.6	58.5	54.0	48.0	40.7	28.1	46.6
	S D	6.844	6.646	6.114	7.100	4.984	5.804	6.401	4.904	4.970	5.392	6.588	7.505	12.976
	TOTAL OBS	44	25	31	30	26	29	51	82	121	82	59	57	637
21-23	MEAN				43.0					49.9	43.6	33.0		48.4
	S D									3.070	1.567			4.252
	TOTAL OBS				1					49	11	1		62
ALL HOURS	MEAN	30.9	33.3	37.2	42.0	50.9	55.8	58.9	58.2	53.3	45.6	39.0	31.5	44.9
	S D	8.213	6.245	8.193	6.836	6.052	5.912	5.630	5.379	6.589	6.688	6.634	8.141	12.072
	TOTAL OBS	2634	2329	2651	2555	2470	2507	2499	2804	2920	2763	2576	2462	31170

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34190 ILLESHEIM AAF DL 69-79
STATION STATION NAME YEARS

HRS L S T		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	20.0	32.0				51.0		48.9	45.7	39.5			44.9
	S D								6.045	3.162	2.330			5.743
	TOTAL OBS	1	1				1		10	41	8			62
03-05	MEAN		32.0			31.0			46.8	46.1	39.5			45.5
	S D								6.159	3.664	3.619			5.369
	TOTAL OBS		1			1			28	48	6			84
06-08	MEAN	26.8	28.6	30.9	35.0	44.7	50.4	53.3	52.6	47.2	40.3	35.2	28.4	39.7
	S D	8.901	7.038	8.376	6.594	5.790	5.623	5.402	5.372	6.318	6.776	6.474	8.960	11.744
	TOTAL OBS	606	536	586	554	545	600	598	667	649	646	615	571	7173
09-11	MEAN	27.9	29.7	32.4	36.1	45.3	50.9	54.0	54.0	49.5	42.2	35.9	28.7	40.7
	S D	8.807	6.524	7.948	6.815	6.303	6.091	5.743	5.467	6.099	6.191	6.249	9.085	11.783
	TOTAL OBS	677	603	699	669	659	660	645	703	685	668	637	643	7948
12-14	MEAN	29.1	30.6	32.9	35.5	44.5	49.9	53.2	52.8	49.2	42.9	36.6	29.4	40.7
	S D	7.900	6.306	8.068	7.238	6.804	6.340	5.725	5.799	6.701	6.297	6.042	8.226	11.213
	TOTAL OBS	670	594	687	664	643	639	638	689	684	672	635	635	7850
15-17	MEAN	29.5	31.1	33.3	35.8	44.6	50.0	53.0	52.3	49.4	43.2	37.1	29.4	40.7
	S D	7.643	6.180	7.883	6.952	6.651	6.351	5.602	5.762	6.733	6.410	6.056	8.009	10.917
	TOTAL OBS	636	569	648	637	596	578	567	625	643	670	629	556	7354
18-20	MEAN	24.6	27.5	30.8	36.7	42.8	52.9	55.5	50.7	48.7	44.6	38.1	25.9	42.0
	S D	7.104	7.349	7.015	7.273	5.309	6.712	6.246	6.487	5.434	5.771	6.254	7.884	11.875
	TOTAL OBS	44	25	31	30	26	29	51	82	121	82	59	57	637
21-23	MEAN				42.0					47.1	41.8	32.0		45.9
	S D									3.276	1.662			4.064
	TOTAL OBS				1					49	11	1		62
ALL HOURS	MEAN	28.3	30.0	32.4	35.7	44.8	50.3	53.4	52.8	48.7	42.2	36.2	28.9	40.5
	S D	8.377	6.580	8.095	6.926	6.417	6.128	5.655	5.713	6.398	6.482	6.249	8.594	11.416
	TOTAL OBS	2634	2329	2651	2555	2470	2507	2499	2804	2920	2763	2576	2462	31170

USAFETAC FORM JUL 64 0-89-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 ILLESHEIM AAF DL | 70-79 | JAN
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%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.0	1
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	97.9	85.3	55.6	89.4	606
	09-11	100.0	100.0	100.0	100.0	100.0	99.4	94.4	79.2	42.4	86.8	677
	12-14	100.0	100.0	100.0	100.0	99.4	97.8	84.6	59.3	22.5	81.9	670
	15-17	100.0	100.0	100.0	100.0	99.7	98.0	85.5	62.7	24.2	82.7	636
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	97.7	84.1	50.0	89.5	44
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.9	99.2	93.4	78.4	49.1	87.1	2634

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 70-79 (PERIOD) FEB (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	100.0	100.0	100.0	100.0	96.0	1
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		85.0	1
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	96.8	86.6	43.5	87.9	536
	09-11	100.0	100.0	100.0	100.0	99.7	98.8	90.7	73.5	30.3	84.7	603
	12-14	100.0	100.0	100.0	99.7	97.3	89.9	70.5	48.3	14.6	77.6	594
	15-17	100.0	100.0	99.6	98.9	96.7	86.6	62.9	43.1	16.5	75.9	569
	18-20	100.0	100.0	100.0	100.0	100.0	96.0	88.0	68.0	32.0	84.2	25
	21-23											
TOTALS		100.0	100.0	99.9	99.8	99.1	95.8	87.0	74.2	33.8	84.5	2329

USAFETAC FORM AUG 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 STATION | ILLES: FIM AAF DL STATION NAME | 69-78 PERIOD | MAR 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%		
MAR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	93.7	77.3	46.8	86.9	586
	09-11	100.0	100.0	100.0	100.0	98.0	90.8	71.2	47.4	20.5	78.4	699
	12-14	100.0	100.0	99.0	96.5	84.6	63.9	39.7	23.7	8.3	67.1	687
	15-17	100.0	100.0	99.[illegible]	92.3	76.9	55.1	35.0	21.3	6.2	64.0	648
	18-20	100.0	100.0	100.0	100.0	96.8	87.1	67.7	48.4	22.6	76.7	31
	21-23											
TOTALS		100.0	100.0	99.6	97.8	91.3	79.3	61.5	43.6	20.9	74.6	2651

USAFETAC FORM JUL 64 0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	98.7	95.7	85.2	63.7	27.6	82.8	554
	09-11	100.0	100.0	99.7	95.5	85.1	69.5	48.9	24.5	6.9	68.7	669
	12-14	100.0	100.0	97.3	82.7	64.8	45.9	28.5	11.7	4.1	59.1	664
	15-17	100.0	100.0	94.2	77.2	60.1	39.9	24.8	10.7	4.6	56.9	637
	18-20	100.0	100.0	100.0	100.0	86.7	73.3	50.0	20.0	10.0	70.3	30
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		89.0	1
TOTALS		100.0	100.0	98.5	92.6	82.6	70.7	56.2	38.4	8.9	71.1	2555

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (PERIOD) MAY (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		85.0	1
	06-08	100.0	100.0	100.0	100.0	99.1	95.6	83.7	54.7	25.1	81.4	545
	09-11	100.0	100.0	100.0	97.4	84.1	63.4	42.6	19.7	6.8	66.8	659
	12-14	100.0	100.0	98.1	85.8	60.8	37.0	24.7	13.8	4.4	57.9	643
	15-17	100.0	99.8	96.1	77.5	51.8	32.6	21.8	10.1	3.4	54.9	596
	18-20	100.0	100.0	96.2	88.5	46.2	34.6	19.2	11.5	7.7	56.5	26
	21-23											
TOTALS		100.0	100.0	98.4	91.5	73.7	60.5	48.7	35.0	7.9	67.1	2470

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0						42.0	1
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.5	97.3	87.8	56.5	24.0	82.1	600
	09-11	100.0	100.0	99.8	97.6	88.2	68.5	42.0	18.2	4.5	67.4	660
	12-14	100.0	99.7	97.5	88.9	65.9	40.8	24.6	10.0	2.8	58.6	639
	15-17	100.0	99.5	95.0	83.9	58.5	39.4	20.9	8.8	1.2	56.3	578
	18-20	100.0	100.0	100.0	100.0	72.4	48.3	27.6	13.8		61.8	29
	21-23											
TOTALS		100.0	99.9	98.7	95.1	64.1	49.1	33.8	17.9	5.4	61.4	2507

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 ILLESHEIM AAF DL — 69-78 — JUL

STATION / STATION NAME — PERIOD — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.7	98.2	95.3	87.0	57.4	18.2	81.3	598
	09-11	100.0	100.0	98.8	96.7	88.7	63.9	38.1	14.6	4.5	66.0	645
	12-14	100.0	99.8	97.0	88.1	60.0	36.7	21.3	7.1	1.7	56.7	638
	15-17	100.0	98.6	96.1	79.0	50.8	30.7	17.5	7.9	.7	53.8	567
	18-20	100.0	100.0	100.0	90.2	64.7	47.1	31.4	7.8		59.9	51
	21-23											
TOTALS		100.0	99.7	98.4	90.7	72.5	54.7	39.1	19.0	5.0	63.5	2499

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (PERIOD) AUG (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	100.0	90.0	60.0	10.0	80.6	10
	03-05	100.0	100.0	100.0	100.0	92.9	92.9	85.7	32.1	10.7	77.4	28
	06-08	100.0	100.0	100.0	100.0	99.6	98.2	91.2	67.9	27.9	84.3	667
	09-11	100.0	100.0	99.9	98.3	86.9	66.6	47.9	22.9	6.5	68.6	703
	12-14	100.0	100.0	98.4	84.5	60.5	37.7	22.8	9.4	2.5	57.3	689
	15-17	100.0	99.8	94.6	76.6	51.2	31.8	18.1	7.0	2.6	53.7	625
	18-20	100.0	100.0	92.7	79.3	51.2	32.9	25.6	8.5	2.4	55.1	82
	21-23											
TOTALS		100.0	100.0	97.9	91.2	77.5	65.7	54.5	29.7	8.9	68.1	2804

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (PERIOD) SEP (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	95.1	90.2	56.1	12.2	81.9	41
	03-05	100.0	100.0	100.0	100.0	100.0	97.9	93.8	64.6	12.5	83.4	48
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	96.8	79.0	47.1	88.4	649
	09-11	100.0	100.0	100.0	99.7	96.1	86.9	66.9	30.7	8.6	74.4	685
	12-14	100.0	100.0	99.9	95.9	78.5	48.7	28.8	8.6	1.5	61.6	684
	15-17	100.0	100.0	99.2	92.8	67.2	40.4	21.2	8.9	2.0	58.7	643
	18-20	100.0	100.0	100.0	100.0	85.1	64.5	44.6	18.2	5.0	66.8	121
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	89.8	49.0	6.1	80.3	49
TOTALS		100.0	100.0	99.9	98.6	90.9	79.1	66.5	39.4	11.9	74.4	2920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 ILLESHEIM AAF DL 69-78 OCT

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0	92.0	8
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	83.3	96.3	6
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.9	89.3	63.2	91.4	646
	09-11	100.0	100.0	100.0	99.9	99.3	96.9	84.6	61.5	32.0	83.1	668
	12-14	100.0	100.0	100.0	98.4	91.5	75.1	55.7	27.8	8.0	71.0	672
	15-17	100.0	100.0	99.6	97.8	86.6	69.0	51.3	24.6	8.2	69.1	670
	18-20	100.0	100.0	100.0	100.0	100.0	87.8	73.2	43.9	18.3	77.5	82
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	81.8	36.4	87.9	11
TOTALS		100.0	100.0	100.0	99.5	97.2	91.1	83.0	66.1	40.6	83.5	2763

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 ILLESHEIM AAF DL — STATION / STATION NAME
69-78 — 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	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	98.2	95.3	83.7	49.1	88.4	615
	09-11	100.0	100.0	100.0	99.8	99.4	97.3	92.0	72.2	35.8	85.0	637
	12-14	100.0	100.0	100.0	99.8	98.4	92.4	75.7	51.8	21.9	79.6	635
	15-17	100.0	100.0	100.0	99.7	98.3	92.8	80.8	55.3	25.6	80.6	629
	18-20	100.0	100.0	100.0	100.0	100.0	98.3	89.8	64.4	28.8	83.4	59
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.0	1
TOTALS		100.0	100.0	100.0	99.9	99.4	96.5	88.9	71.2	43.6	84.8	2576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-78 (PERIOD) DEC (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.8	88.1	58.3	90.0	571
	09-11	100.0	100.0	100.0	100.0	99.7	99.4	94.9	77.0	36.4	86.3	643
	12-14	100.0	100.0	100.0	100.0	99.2	96.5	85.0	60.3	22.8	81.9	635
	15-17	100.0	100.0	100.0	99.8	99.3	97.3	88.5	63.1	26.3	82.8	556
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	98.2	80.7	43.9	88.0	57
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.6	98.6	93.1	73.8	37.5	85.8	2462

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34190 (STATION) ILLESHEIM AAF DL (STATION NAME) 69-79 (PERIOD) ALL (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%		
JAN	ALL	100.0	100.0	100.0	100.0	99.9	99.2	93.4	78.4	49.1	87.1	2634
FEB		100.0	100.0	99.9	99.8	99.1	95.8	87.0	74.2	33.8	84.5	2329
MAR		100.0	100.0	99.6	97.8	91.3	79.3	61.5	43.6	20.9	74.6	2651
APR		100.0	100.0	98.5	92.6	82.6	70.7	56.2	38.4	8.9	71.1	2555
MAY		100.0	100.0	98.4	91.5	73.7	60.5	46.7	35.0	7.9	67.1	2470
JUN		100.0	99.9	98.7	95.1	64.1	49.1	33.8	17.9	5.4	61.4	2507
JUL		100.0	99.7	98.4	90.7	72.5	54.7	39.1	19.0	5.0	63.5	2499
AUG		100.0	100.0	97.9	91.2	77.5	65.7	54.5	29.7	8.9	68.1	2804
SEP		100.0	100.0	99.9	98.6	90.9	79.1	66.5	39.4	11.9	74.4	2920
OCT		100.0	100.0	100.0	99.5	97.2	91.1	83.0	66.1	40.6	83.5	2763
NOV		100.0	100.0	100.0	99.9	99.4	96.5	88.9	71.2	43.6	84.8	2576
DEC		100.0	100.0	100.0	100.0	99.6	98.6	93.1	73.8	37.5	85.8	2462
TOTALS		100.0	100.0	99.3	96.4	87.3	78.4	67.1	48.9	22.8	75.5	31170