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DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)

...D UNIFORM SUMMARY OF
...CE WEATHER OBSERVATIONS

BITBURG AB DL WBAN# 34049
N 49 57 E 006 34 FLD ELEV 1228 FT EDAB WMO # 10610

PARTS A-F

POR FROM HOURLY OBS: DEC 68 - NOV 78
POR FROM DAILY OBS: DEC 52 - JUN 68, NOV 68 - NOV 78

FEB 20 1979

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REPORT DOCUMENTATION PAGE

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1 REPORT NUMBER: USAFETAC/DS- 79/116	2 GOVT ACCESSION NO.
3. RECIPIENT'S CATALOG NUMBER	
4 TITLE (and Subtitle): Revised Uniform Summary of Surface Weather Observations (RUSSWO)- BITBURG AB, BITBURG, GERMANY	5 TYPE OF REPORT & PERIOD COVERED: Final rept.
	6 PERFORMING ORG. REPORT NUMBER
7 AUTHOR(s)	8 CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS: USAFETAC/OL-A, Air Force Environmental Technical Appl. Center, Scott AFB IL 62225	10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS: USAFETAC/CBD, Air Weather Service (MAC), Scott AFB IL 62225	12 REPORT DATE: 20 FEB 79
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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 BITBURG AB, BITBURG, 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 * BITBURG AB, 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.

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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
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP
EXTREME MAX & MIN TEMP
PSYCHROMETRIC-DRY VS WET BULB
MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)
RELATIVE HUMIDITY

PART F STATION PRESSURE
SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY	APRIL	JULY	OCTOBER
FEBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

* ST4 29058

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV FT	CALL SIGN	WMO NUMBER
34049	BITBURG AB GERMANY	N 49 57	E 006 34	1224	EDAB	10610

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	Bitburg Germany	AB	Dec 52	Feb 57	N 49 57	E 006 34	1239	1210	24
2	Same	Same	Mar 57	Jul 68	Same	Same	1228	Same	24
3	Same	Same	Aug 68	Oct 68	Same	Same	Same	Same	12
4	Same	Same	Nov 68	Mar 71	Same	Same	Same	Same	24
5	Same	Same	Apr 71	Jun 71	Same	Same	Same	Same	12
6	Same	Same	Jul 71	Jul 72	Same	Same	Same	Same	24
7	Same	Same	Aug 72	Nov 78	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Dec 52	Located on top of Control Tower.	AN/GMQ-1	ML-204B (Wnd Pnl)	130 ft	
2	Mar 56	Located 60' E end of rnwy.	Same	Same	13 ft	
3	Mar 57	Located on Control Tower.	Same	N/A	135 ft	
4	Aug 57	Located ROS, 1825 ft N of touchdown point of rnwy 24.	Same	Same	15 ft	
5	Mar 59	Located on Control Tower.	Same	Same	145 ft	
6	Mar 60	Located 4800 ft from touchdown point rnwy 06, 500 ft SE of 160° of centerline.	AN/GMQ-11	RO-2A (Aug 59)	13 ft	
7	Mar 62	Located 1654 ft SE of Weather Stn.	Same	Same	40 ft	

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	FT ABOVE GROUND	
-	Sep 64	1. Located 600 ft from centerline, 1000 ft from end of rnwy 06.	[illegible]-11	FC-2A	13 ft	
		2. Located 600 ft from centerline, 1000 ft from end of rnwy 24.	Same	Same	21 ft	
9	Mar 69	1. Same	Same	FC-362	Same	
		2. Same	Same		Same	
10	Jan 71	1. Located 450 ft from centerline, 1000 ft from end of rnwy 06.	Same	Same	Same	
		2. Located 550 ft from centerline, 1100 ft from end of rnwy 24.	Same		Same	
11	[illegible] 73	1. Same	Same	Same	Same	
		2. Same	Same		Same	

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PART A WEATHER CONDITIONS

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

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

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

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

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

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

Snow and or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 66 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

74-29959

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10224	RITBURG AB GERMANY	2-7A	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JA	00-02		12.4	.9	10.2		28.4	28.5	12.8			41.3	230
	03-05		21.1	1.0	10.1		30.2	31.0	9.5			39.5	230
	06-08		20.2	.8	10.1		29.7	30.5	8.0	.1		38.6	230
	09-11		16.9	.6	7.4		23.9	33.7	16.3			50.0	230
	12-14		16.7	.4	7.8		23.8	25.8	10.8			44.7	229
	15-17	.1	16.6		8.1	.1	22.9	19.5	22.7			42.2	230
	18-20		17.4	.6	9.2		24.0	18.9	19.3			38.2	229
	21-23		17.3	.4	8.3		24.7	22.5	15.4			37.8	230
TOTALS		.0	18.2	.6	8.8	.0	26.0	26.3	15.2	.0		41.5	7038

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

14924 STATION — BITBURG AB GERMANY STATION NAME — 2-74 YEARS — FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FE.	00-02		12.9	.4	9.1		21.9	20.0	15.8	.2		36.1	846
	03-05		13.8	.1	10.6		24.6	24.6	13.1	.2		37.9	846
	06-08		13.5	.2	13.6		26.5	25.7	16.2			41.8	846
	09-11		11.0	.7	13.1		24.2	24.3	22.7			47.0	846
	12-14		10.5	.9	11.6		22.1	15.4	24.8			40.2	846
	15-17		10.5	.7	7.7		18.8	9.6	25.8			35.3	846
	18-20	.2	14.8	.1	7.9		22.0	9.1	21.5			30.6	846
	21-23	.1	13.2	.7	9.7		22.5	11.1	17.5			28.6	846
TOTALS		.0	12.5	.5	10.4		22.8	17.5	19.7	.1		37.2	6768

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

30042 BITBURG AB GERMANY 9-70 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
MAR	00-02		13.9		7.2		19.6	10.0	17.3		.1	27.4	930
	03-05	.1	12.7		9.4		21.1	12.4	16.8			32.2	930
	06-08		13.8		8.4		21.3	20.9	25.9			46.7	930
	09-11		13.3		8.4		21.3	15.3	30.9			46.1	930
	12-14		9.5		5.8		14.8	5.7	24.7			30.4	930
	15-17	.1	13.0		3.9		16.0	1.9	20.2			22.2	930
	18-20	.1	14.2		4.4	.1	18.1	2.4	20.6			23.0	930
	21-23		13.4		6.3		18.6	6.2	13.1			19.4	930
TOTALS		.0	13.0		6.6	.0	18.7	9.7	21.2		.0	30.9	7440

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WEATHER CONDITIONS

34042 STATION | BITBURG AB GERMANY STATION NAME | 9-7x YEARS | Apr MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		12.3		4.2		15.7	5.8	8.6			14.4	813
	03-05		12.4		5.2		16.8	9.6	11.7			21.3	840
	06-08		10.6		5.4		15.8	17.0	23.7			40.7	900
	09-11		10.6		4.2		14.7	6.3	24.2			30.6	899
	12-14		13.2		3.9		16.3	2.2	12.0			14.2	900
	15-17	.4	14.9		3.2		17.7	.6	7.8			8.3	900
	18-20	.4	13.7		2.1		15.6	1.3	9.9			11.2	899
	21-23		11.9		2.5	.1	14.2	1.6	8.4			10.0	810
TOTALS		.1	12.5		3.8	.0	15.9	5.6	13.3			18.8	6961

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WEATHER CONDITIONS

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 9-7 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.8	11.4				11.4	7.3	3.1			15.4	836
	03-05	.1	13.0				13.0	16.5	12.0			28.4	869
	06-08	.5	13.5		.1		13.5	20.3	21.6			42.0	929
	09-11	.2	9.1		.1		9.2	8.4	21.0			29.4	930
	12-14	.4	11.4				11.4	1.7	7.6			9.4	930
	15-17	1.7	11.9			.1	12.0	.6	5.1			5.7	930
	18-20	2.3	11.6				11.6	1.6	6.6			8.2	930
	21-23	1.2	12.1				12.1	2.4	6.7			9.1	837
TOTALS		.9	11.8		.0	.0	11.8	7.4	11.1			18.5	7191

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049 STATION | BITBURG AB GERMANY STATION NAME | 9-75 YEARS | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.7	8.3				8.3	7.9	7.4			15.3	810
	03-05	.4	8.8				8.8	19.8	14.3			34.1	839
	06-08	.1	9.3				9.3	21.8	24.3			46.1	900
	09-11		6.8				8.8	6.2	19.0			25.2	900
	12-14	1.4	10.2				10.2	1.2	9.6			10.8	900
	15-17	3.0	12.1				12.1	.9	6.5			7.3	899
	18-20	1.6	10.2				10.2	.9	8.7			9.6	900
	21-23	1.2	8.4				8.4	4.8	9.6			14.4	811
TOTALS		1.1	9.5				9.5	7.9	12.4			20.4	6959

2

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049 STATION — BITBURG Ab, GERMANY STATION NAME — 9-7 YEARS — JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /CR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	1.2	5.7				5.7	5.9	7.8			13.7	918
	03-05	.4	7.2				7.2	19.0	12.9			31.9	921
	06-08	.2	9.8				9.8	21.9	25.3			47.8	921
	09-11	.1	9.2				9.2	5.0	21.3			26.3	921
	12-14	.8	8.3				8.3	.6	8.9			9.5	924
	15-17	2.1	9.3				9.3	.2	4.0			4.2	921
	18-20	2.4	10.0				10.0	.5	5.5			6.1	919
	21-23	1.3	7.8			.1	7.9	2.0	8.0			9.9	915
TOTALS		1.1	8.4			.0	8.4	5.9	11.8			18.7	7360

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049 STATION | BITBURG AB GERMANY STATION NAME | -9-7- YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG.	00-02	1.2	7.6				7.6	9.4	7.1			16.5	913
	03-05	1.1	6.6				6.6	20.2	10.4			30.6	914
	06-08	.4	7.7				7.7	30.5	19.6			50.1	915
	09-11	.1	7.4				7.4	9.7	24.2			33.9	915
	12-14	.8	5.7				5.7	1.1	12.2			13.3	920
	15-17	2.2	6.9				6.9	.2	8.2			8.4	915
	18-20	2.9	8.3				8.3	2.2	9.8			12.0	911
	21-23	1.9	7.5				7.5	4.2	8.5			12.7	909
TOTALS		1.3	7.2				7.2	9.7	12.5			22.2	7312

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GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
SEP	00-02	.6	6.5				6.5	20.6	7.8			28.4	895
	03-05	.1	8.9				8.9	32.3	8.4			40.7	897
	06-08	.1	9.1				9.1	43.9	15.2			60.1	895
	09-11		10.6				10.6	22.2	25.8			48.0	896
	12-14	.1	9.4				9.4	5.0	16.3			21.3	898
	15-17	.7	9.7				9.7	1.3	7.9		.1	9.4	897
	18-20	.8	8.4				8.4	3.5	10.3			13.7	896
	21-23	.3	6.7				6.7	7.7	9.5			17.2	897
TOTALS		.3	8.7				8.7	17.1	12.8		.0	29.9	7171

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

WEATHER CONDITIONS

34043 BITBURG AB GERMANY 58-76 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02	.2	13.0		.1		13.0	30.8	6.7			37.5	926
	03-05	.3	14.9		.2		15.1	38.7	4.3			43.0	930
	06-08		13.5	.1	.6		14.2	43.8	9.8			53.5	930
	09-11		12.2	.1	.1		12.4	35.3	17.0			52.4	926
	12-14	.1	11.7		.1		11.7	15.2	20.4			35.6	930
	15-17	.1	10.9		.3		10.9	7.3	20.0			27.3	930
	18-20	.2	11.6		.1		11.5	11.3	16.8			28.1	930
	21-23	.2	11.7		.1		11.7	20.1	8.5			28.6	930
TOTALS		.1	12.4	.0	.2		12.6	25.3	12.9			38.3	7434

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34049 STATION | BITBURG AB GERMANY STATION NAME | 6-7 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		19.2	.3	4.9		24.0	24.4	5.7			30.2	900
	03-05		21.4	.7	4.8		25.6	28.9	3.8			32.7	900
	06-08		24.7	.6	5.1		28.8	28.5	6.2			34.7	899
	09-11		19.0	.2	4.4		22.7	30.2	11.3			41.6	900
	12-14		18.3	.1	4.6		21.9	19.1	13.4			32.6	900
	15-17		19.1		3.8		21.9	13.6	12.1			25.7	899
	18-20	.2	17.6		4.9		20.9	14.9	10.8			25.7	898
	21-23		16.1	.2	5.0		22.2	18.7	5.5			24.2	897
TOTALS		.0	19.7	.3	4.7		23.5	22.3	8.6			30.9	7193

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34048 STATION | BITBURG AB GERMANY STATION NAME | 8-77 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		13.9	1.3	7.6		22.5	30.2	8.8			39.1	929
	03-05		13.4	1.2	7.1		20.9	34.0	8.4			42.4	930
	06-08		11.3	1.6	10.9		23.1	33.5	10.0			43.5	930
	09-11		14.0	.4	8.6		22.8	32.7	8.9			51.7	929
	12-14		12.8	.1	8.6		21.0	25.7	20.3			46.0	930
	15-17		12.9	.6	7.4		20.0	22.7	20.9			43.6	929
	18-20		13.3	1.3	7.8		22.0	21.8	14.1			35.9	930
	21-23		14.8	1.5	8.4		24.1	23.3	12.9			36.2	930
TOTALS			13.3	1.0	8.3		22.1	28.0	14.3			42.3	7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34043 STATION | BITBURG AB GERMANY STATION NAME | 8-73 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	18.2	.6	8.8	.0	26.0	26.3	15.2	.0		41.5	7438
FEB		.0	12.5	.5	10.4		22.8	17.5	19.7	.1		37.2	6768
MAR		.1	13.0		6.6	.0	18.7	9.7	21.2		.0	30.9	7440
APR		.1	12.5		3.8	.0	15.9	5.6	13.3			18.8	6961
MAY		.9	11.8		.0	.0	11.8	7.4	11.1			18.5	7191
JUN		1.1	9.5				9.5	7.9	12.4			20.4	6959
JUL		1.1	8.4			.0	8.4	6.9	11.8			18.7	7360
AUG		1.3	7.2				7.2	9.7	12.5			22.2	7312
SEP		.3	8.7				8.7	17.1	12.8		.0	29.9	7171
OCT		.1	12.4	.0	.2		12.6	25.3	12.9			38.3	7434
NOV		.0	19.7	.3	4.7		23.5	22.3	6.6			30.9	7193
DEC			13.3	1.0	8.3		22.1	28.0	14.3			42.3	7437
TOTALS		.4	12.3	.2	3.6	.0	15.6	15.3	13.8	.0	.0	29.1	86664

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

10040 / STATION — BITBURG AB GERMANY / STATION NAME — 7-7 / YEARS — ALL / MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	DAILY	.6	53.2	6.9	43.5	1.	75.4	73.7	60.5	1.7		88.2	806
FEB		.7	47.7	3.0	33.8	1.9	69.0	66.2	67.1	.3		85.8	733
MAR		.9	50.0	.2	24.4	2.1	62.3	55.5	75.7			86.1	806
APR		3.7	54.2	.1	14.7	3.3	60.2	47.0	61.6			73.0	756
MAY		11.9	59.7		1.3	2.2	59.9	46.7	54.9			68.3	779
JUN		14.1	55.3			1.2	55.3	50.9	57.2			71.3	780
JUL		14.3	54.3			1.1	54.3	54.7	59.9			75.1	771
AUG		14.1	54.3			.3	54.3	62.0	58.6			77.9	768
SEP		4.7	48.9			.4	48.9	69.7	65.6			81.7	748
OCT		1.3	52.6	.1	2.8	.4	52.9	78.2	68.1			88.4	775
NOV		.4	60.4	1.3	19.8	.5	67.5	78.7	58.6	.1		87.8	773
DEC		.1	57.4	8.2	35.8	.5	73.8	77.7	58.1	.1		90.7	782
TOTALS		5.6	54.0	1.6	15.2	1.2	61.1	63.4	62.2	.2		81.2	9277

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

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

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

Continued on Reverse Side

NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:		U. S. Navy and National Weather Service (USWB)	
Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 47	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

74-2986.

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

34049 — STATION
BITBURG AB GERMANY — STATION NAME
2-2 — YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02 05	.06-.10	11-.25	26-.50	51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	23.7	20.8	6.4	15.4	11.9	14.5	6.1	1.4						55.5	806	2.16	5.33	.06
FEB	25.4	20.2	5.6	12.7	9.5	12.8	7.4	2.7	.5					50.4	734	2.09	5.36	.06
MAR	27.3	19.2	6.3	11.9	8.6	8.9	5.6	1.7	.1					43.4	806	1.83	3.57	.09
APR	30.7	19.2	5.5	11.9	7.6	10.5	5.7	.9						42.1	750	1.62	3.10	.31
MAY	37.5	19.8	4.5	10.3	7.3	9.5	6.6	2.1	.5					42.7	779	2.29	5.72	TRACE
JUN	43.5	15.4	4.6	9.2	6.9	10.3	5.4	4.0	.8					41.2	780	2.50	4.77	.07
JUL	44.1	18.0	2.3	8.3	6.5	10.0	6.4	3.6	.6	.1				37.9	771	2.69	5.31	1.01
AUG	44.1	14.7	4.3	9.3	6.1	11.2	6.4	3.1	.8					41.2	767	2.37	6.56	.22
SEP	49.0	14.4	4.6	8.9	6.3	10.0	5.0	1.8	.6					36.7	717	1.92	4.26	.05
OCT	46.6	16.1	5.2	11.2	5.6	7.5	5.1	2.0	.4					37.1	744	1.76	4.34	.05
NOV	31.1	16.2	4.8	14.6	9.4	13.3	7.6	2.3	.7					52.7	746	2.77	6.50	.53
DEC	24.9	23.8	5.3	16.1	8.1	12.1	7.0	1.8	.6					51.3	792	2.39	7.39	.27
ANNUAL	37.5	18.1	4.9	11.6	7.8	10.9	6.4	2.2	.4	.0				44.3	9182	26.39		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

34049 STATION — BITBURG AB GERMANY STATION NAME — 52-78 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV	DEC	ALL MONTHS
52												.93	
53	.25	.32	.08	.50	.36	1.02	3.29	.76	.67	.43	.20*	.85	3.29
54	.20	.26	.39	.57	.41	.49	.64	.63	.67	.44	.35	.58	.64
55	.58	.66	.56	.10	.49	.93	1.36	.44	.19	.27	.22	.80	1.36
56	.36	.36	.94	.51	.77	.49	.92	.37	.70	.40	.47	.44	.94
57	.25	1.07	1.02	.39	.32	1.55	1.10	.24	.33	.44	.24	.28	1.55
58	.50	.58	.27	.88	1.13	.32	.75	1.36			*	.30	
59	.63	.03	.35	.58	.49	.45	.64	.75	.04	.32	.59	.78	.78
60	.38	.57	.40	.10	.43	1.02	.97	.38	1.27	.38	.48	.87	1.27
61	.41	.25	.17	.27	.35	1.96	.79	.56	.67	1.36	.55	.69	1.96
62	.74	.76	.94	.52	.28	.05	.38	.51	.49	.29	.44	.49	.94
63	.45	.21	.74	.18	.71	.52	.88	.76	.40	.56	2.10	.16	2.10
64	.36	.28	.60	.45	.31	.43	1.15	.44	.88	1.05	1.37	1.07	1.37
65	.96	.19	.63	.42	1.12	.78	1.59	.60*	.77	.42	.85	1.02	1.59
66	.50	.62	.33		*TRACE	1.36	.80	.52	.25	1.34	.92	1.04	
67	.14	.54	.42	.30	.87	.86	.69	.63	1.55	.92	.78	1.23	1.55
68	.47	.43	.43	.22	.48	.73				*	.14	.38	
69	.20	.61	.56	.80	.39	.65*	.46*	1.03*	.19	.03	.53	.44	* 1.03
70	.52	.63	.86	.42	1.01	.72	.64	.52	.98	.70	.54	.35	1.01
71	.65	.29	.30	.58	1.17	1.28	.66	.54	.35	.55	.98	.19	1.28
72	.24	.59	.47	.33	.71	.54	1.09	1.08	1.18	.11	1.48	.27	1.48
73	.35	.43	.29	.41	.40	.23	.39	.83	.74	.80	.58	.37	.83
74	.14	.29	.27	.34	.69	.79	.46	.36	.41	.66	.28	.30	.79
75	.25	.27	.76	.44	.40	.63	.43	1.11	1.37	.09	.93	.46	1.37
76	.39	.25	.36	.14	.30	.52	.66	.12	.44	.55	1.75	.28	1.75
77	.60	1.18	.41	.49	.48	.74	.86	1.75	.20	.51	.39	.38	1.75
78	.32	.36	.83	.24	.68	1.00	.43	.32	.48	.18*	.26		
MEAN	.417	.463	.515	.407	.590	.772	.907	.649	.648	.535	.740	.575	1.312
S.D.	.197	.265	.256	.196	.281	.422	.592	.369	.410	.354	.527	.316	.405
TOTAL OBS.	806	734	806	750	779	780	771	767	717	744	746	732	9182

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-80-5 (OLI)

U.S. CLIMATOLOGY BRANCH
SAF/IAC
AIR WEATHER SERVICE/ AC

EXTREME VALUES
MONTHLY PRECIPITATI

(FROM DAILY OBSERVATIONS)

24040 STATION | BITBURG AB GERMANY STATION NAME | 52-78 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP.	OCT.	NOV	DEC.	ALL MONTHS
52												3.09	
53	.66	1.11	.09	2.17	1.00	3.80	5.31	1.59	1.43	.92	.55*	1.60	*20.12
54	1.44	.97	1.60	.93	1.26	1.75	2.99	3.21	3.31	2.07	1.71	2.56	23.80
55	2.32	3.05	1.30	.31	2.38	3.83	2.90	1.05	.66	.71	.69	2.69	22.09
56	3.06	1.09	2.15	2.23	2.61	2.79	2.58	2.74	1.95	2.10	1.36	2.07	26.73
57	1.08	5.15	3.22	.53	1.12	2.94	3.41	1.26	2.27	.80	.73	.81	23.32
58	2.90	3.82	.59	1.70	5.72	1.54	1.43	4.34				* 1.45	
59	2.89	.06	1.37	2.54	1.57	1.68	1.41	2.51	.05	1.36	1.92	3.51	20.87
60	2.37	1.92	1.44	.54	1.38	2.41	2.90	3.08	2.38	2.16	2.24	2.58	25.40
61	2.92	1.58	.42	2.03	1.56	4.77	3.04	1.97	2.20	3.69	3.22	3.74	31.06
62	3.20	2.84	2.78	2.26	1.94	.07	1.77	1.39	2.42	.63	1.72	2.47	23.49
63	1.19	.95	2.62	1.04	2.09	2.52	1.28	3.33	1.42	1.92	6.50	.27	25.13
64	1.23	1.10	1.56	1.81	1.32	1.94	1.90	2.07	2.43	3.18	4.19	3.24	25.97
65	5.33	.98	2.53	3.10	4.36	3.74	4.73	2.37*	3.68	.82	5.21	7.39	*44.24
66	2.47	3.35	2.05		#TRACE	4.58	5.26	2.37	.86	4.25	3.68	5.23	
67	.92	2.16	2.38	1.19	2.76	2.15	2.66	2.80	3.94	4.34	2.86	3.21	31.37
68	2.97	2.54	1.53	1.05	2.31	2.60					* .53	2.17	
69	1.41	2.39	2.12	2.81	1.92	2.58*	1.01*	3.15*	.33	.05	3.60	1.26	*22.63
70	2.61	5.38	3.57	2.23	3.29	2.25	2.91	2.42	2.41	1.98	2.41	2.06	33.52
71	2.98	1.39	1.18	1.75	3.34	3.67	1.43	1.86	.98	1.25	3.33	.65	23.81
72	1.35	1.15	1.79	2.28	3.47	1.66	4.08	3.28	1.74	.53	3.33	.57	25.23
73	1.52	2.59	.39	1.84	2.94	.94	1.77	1.50	1.63	1.81	2.07	1.58	20.58
74	1.11	.91	1.57	.78	1.47	2.47	1.50	1.00	1.65	2.74	2.49	1.60	19.29
75	1.38	.39	2.95	2.14	1.16	1.96	1.68	2.90	4.26	.30	3.64	.62	23.38
76	2.02	.80	1.09	.44	1.11	.56	2.08	.22	1.69	2.59	3.83	1.71	18.14
77	3.28	5.08	1.79	2.09	1.80	3.38	3.20	6.56	.82	1.65	2.49	2.04	34.17
78	1.58	1.50	3.52	.85	3.38	2.39	2.22	1.12	1.70	.40*	.62		
MEAN	2.161	2.087	1.831	1.624	2.288	2.499	2.685	2.369	1.918	1.761	2.773	2.388	25.125
S.D.	1.049	1.477	.941	.795	1.101	1.143	1.195	1.303	1.017	1.224	1.439	1.591	4.555
TOTAL OBS.	806	734	806	750	779	780	771	767	717	744	746	782	9182

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

34049 — STATION
BITBURG AB GERMANY — STATION NAME
.2-7. — YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	.02-.05	06-.10	11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	55.2	42.2	10.0	8.5	4.3	1.0	.1	.4						22.5	906	6.1	19.4	TRACE
FEB	56.4	38.8	9.4	7.7	4.7	.8	.8	.1	.1					22.8	734	6.3	20.7	TRACE
MAR	74.8	13.3	5.9	3.8	1.4	.4	.4	.4						11.9	906	3.6	17.3	.0
APR	84.0	10.7	4.0	.5	.4	.3	.1							5.3	750	1.0	9.5	.0
MAY	97.8	1.8	.3	.1										.4	780	TRACE	.9	.0
JUN	100.0														780	.0	.0	.0
JUL	100.0														771	.0	.0	.0
AUG	100.0														770	.0	.0	.0
SEP	99.9	.1													748	TRACE	TRACE	.0
OCT	97.3	2.1	.4											.4	775	TRACE	.4	.0
NOV	79.4	12.5	3.9	2.8	.8	.1	.4	.1						8.1	777	2.3	11.3	.0
DEC	63.9	19.7	8.1	5.6	1.4	.4	.5	.3	.1					16.4	782	4.7	14.9	.0
ANNUAL	84.2	8.4	3.5	2.5	.8	.2	.2	.1	.0					7.3	9279	24.0		

1210 WS FORM JUL 64 0-15-5 (OL-I) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF ETAC
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

3404[illegible] BITBURG AB GERMANY 52-78

STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV.	DEC.	ALL MONTHS
52												2.2	
53	1.0	3.6	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0*	TRACE	3.6
54	1.9	2.0	1.3	TRACE	.0	.0	.0	.0	TRACE	.0	TRACE	TRACE	2.0
55	2.5	2.8	5.6	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	.5	5.6
56	1.1	2.1	.3	.4	.0	.0	.0	.0	.0	.0	.5	.7	2.1
57	.8	1.8	.0	TRACE	.7	.0	.0	.0	.0	.0	.4	.6	1.8
58	3.4	1.8	2.5	1.8	.0	.0	.0	.0	.0	.0	TRACE	TRACE*	3.4
59	3.0	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.7	3.0
60	2.5	2.0	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	8.0	8.0
61	2.4	1.2	.3	.0	.0	.0	.0	.0	.0	.0	5.0	TRACE	5.0
62	.5	3.7	3.8	.3	.0	.0	.0	.0	.0	TRACE	4.4	1.3	4.4
63	1.5	2.1	2.2	.1	.0	.0	.0	.0	.0	.0	.0	.6	2.2
64	3.0	.8	.7	.1	.0	.0	.0	.0	.0	TRACE	TRACE	6.4	6.4
65	2.1	2.5	.4	.3	.0	.0	.0	.0	.0	.0	3.7	2.8	3.7
66	.3	TRACE	1.8	*	.0	.0	.0	.0	.0	.0	3.7	1.1	
67	1.4	.5	.1	.1	.1	.0	.0	.0	.0	.0	.8	3.7	3.7
68	4.1	4.3	2.0	.4	TRACE	.0				*	.5	2.8	
69	1.3	8.2	.6	2.5	TRACE	.0*	.0*	.0*	.0	.0	1.9	1.7	8.2
70	4.5	3.4	5.1	1.0	.0	.0	.0	.0	.0	TRACE	.2	3.8	5.1
71	1.3	1.0	2.9	.0	.0	.0	.0	.0	.0	.0	1.4	.3	2.9
72	2.4	.7	.6	TRACE	.0	.0	.0	.0	.0	TRACE	3.0	.0	3.0
73	.7	5.4	.2	1.3	.0	.0	.0	.0	.0	.3	2.4	3.7	5.4
74	TRACE	.8	2.7	.0	TRACE	.0	.0	.0	.0	TRACE	.3	.9	2.7
75	.5	.4	6.2	3.8	TRACE	.0	.0	.0	.0	.3	TRACE	.1	6.2
76	.9	2.0	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.7	2.7
77	5.7	.2	TRACE	.8	.0	.0	.0	.0	.0	.0	.3	.9	5.7
78	1.3	2.8	1.0	.3	TRACE	.0	.0	.0	.0	.0	*TRACE		
MEAN	1.93	2.16	1.56	.55	.03	.00	.00	.00	TRACE	.02	1.17	1.94	4.08
S.D.	1.395	1.854	1.850	.923	.140	.000	.000	.000	.000	.083	1.622	2.047	1.758
TOTAL OBS.	804	734	806	750	780	780	771	770	748	775	777	782	9279

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FOR JUL 64 0-88-5 (OL1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

34049 STATION | BITBURG Ab GERMANY STATION NAME | 52-78 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AU	SEP.	OCT.	NOV.	DEC	ALL MONTHS
52												8.6	
53	2.5	10.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0*	TRACE	* 12.8
54	5.3	3.7	2.3	TRACE	.0	.0	.0	.0	TRACE	.0	TRACE	TRACE	11.3
55	5.9	14.6	9.3	TRACE	TRACE	.0	.0	.0	.0	TRACE	TRACE	1.1	30.9
56	4.3	7.2	.4	.6	.0	.0	.0	.0	.0	.0	1.0	2.0	15.5
57	2.7	4.5	.0	TRACE	.9	.0	.0	.0	.0	.0	.4	1.2	10.1
58	7.2	6.4	4.5	2.1	.0	.0	.0	.0	.0	.0	TRACE	*TRACE	* 20.2
59	10.4	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	1.7	21.3
60	9.6	5.6	TRACE	.4	.0	.0	.0	.0	.0	TRACE	TRACE	12.0	26.6
61	6.1	3.6	.5	.0	.0	.0	.0	.0	.0	.0	5.1	TRACE	15.3
62	.5	9.3	8.5	.3	.0	.0	.0	.0	.0	TRACE	11.3	6.7	36.6
63	5.9	8.6	2.4	.1	.0	.0	.0	.0	.0	.0	.0	.9	17.9
64	6.5	2.5	1.3	.1	.0	.0	.0	.0	.0	TRACE	TRACE	14.9	25.3
65	8.1	7.5	1.2	.3	.0	.0	.0	.0	.0	.0	7.3	6.0	30.4
66	2.0	TRACE	7.0	*	.0	.0	.0	.0	.0	.0	9.8	2.6	
67	4.5	.9	.1	.2	.1	.0	.0	.0	.0	.0	.8	10.3	16.9
68	17.2	7.1	2.5	.5	TRACE	.0				*	1.1	11.7	
69	1.4	20.7	1.1	4.8	TRACE	.0*	.0*	.0*	.0	.0	4.5	7.0	* 39.5
70	14.9	14.2	17.3	2.6	.0	.0	.0	.0	.0	TRACE	.2	7.8	57.0
71	2.1	2.0	7.7	.0	.0	.0	.0	.0	.0	.0	4.2	.3	16.3
72	9.9	.8	.6	TRACE	.0	.0	.0	.0	.0	TRACE	5.1	.0	16.4
73	2.8	19.4	.5	2.6	.0	.0	.0	.0	.3	.3	5.2	7.7	38.5
74	TRACE	2.0	6.0	.0	TRACE	.0	.0	.0	.0	TRACE	.3	1.6	9.9
75	.5	.5	16.8	9.5	TRACE	.0	.0	.0	.0	.4	TRACE	.1	27.8
76	2.3	3.5	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.6	13.6
77	13.0	.2	TRACE	1.3	.0	.0	.0	.0	.0	.0	.3	.9	15.7
78	4.2	7.4	2.9	.3	TRACE	.0	.0	.0	.0	.0	*TRACE		
MEAN	6.09	6.27	3.58	1.04	.04	.00	.00	.00	TRACE	.03	2.31	4.70	22.69
S.D.	5.162	5.762	4.909	2.114	.180	.000	.000	.000	.000	.098	3.411	4.578	11.736
TOTAL OBS.	806	734	806	750	780	780	771	770	748	775	777	772	9279

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 451 44 0-88-5 (OL)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

10409 — STATION
BITBURG AB GERMANY — STATION NAME
2-7 — YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	63.4	15.7	7.6	4.0	2.3	6.2	.6							20.9	774			
FEB	67.4	9.1	7.6	5.7	5.7	2.2	2.2							23.4	734			
MAR	86.2	7.6	1.7	2.0	.7	1.6	.1							6.2	805			
APR	98.6	.8	.3			.1								.4	756			
MAY	100.0														760			
JUN	100.0														780			
JUL	100.0														772			
AUG	100.0														770			
SEP	100.0														748			
OCT	100.0														775			
NOV	97.2	2.7	1.4	.9	.5	.3								3.1	775			
DEC	73.9	15.5	5.3	2.7	1.2	1.4								10.6	735			
ANNUAL	90.3	4.3	2.0	1.3	.9	1.0	.3							5.4	9207			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

24049 STATION | BITBURG AB GERMANY STATION NAME | 52-78 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV	DEC.	ALL MONTHS
52												2	
53	1	7	0	0	0	0	0	0	0	0	0*	TRACE	
54	3	1	1	0	0	0	0	0	0	0	0	TRACE	
55	12	10	4	0	0	0	0	0	0	0	TRACE	TRACE	12
56	2	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	1	
57	1	2	0	0	0	0	0	0	0	0	2	TRACE	
58	6	2	3	1	0	0	0	0	0	0	0	3	
59	8	0	0	0	0	0	0	0	0	0	0	0	
60	5	3	0	0	0	0	0	0	0	0	0	0	
61	4	1	TRACE	0	0	0	0	0	0	0	1	TRACE	
62	TRACE	4	5	0	0	0	0	0	0	0	4	1	
63	4	3	1	0	0	0	0	0	0	0	0	1	
64	0	0	0	0	0	0	0	0	0	0	0		
65	0	0	0	0	0	0	0	0	0	0	0	0	
66	0	0	0*	0*	0	0	0	0	0	0	0*	0	*
67	* 0	0	0	0	0	0	0	0	0	0	0	0	
68	7	2	0	0	0	0					*TRACE	4	
69	4	11	0	TRACE	0	0*	0*	0*	0	0	3	3	11
70	5	3	9	0	0	0	0	0	0	0	TRACE	6	
71	5	1*	3	0	0	0	0	0	0	0*	1	0	
72	* 4*	0	0	0	0	0	0	0	0	0	3	0	*
73	TRACE	6	TRACE	TRACE	0	0	0	0	0	0	2	6	
74	TRACE	TRACE	2	0	0	0	0	0	0	0	0	1	
75	0	0	5	0	0	0	0	0	0	0	0	TRACE	
76	2	3	TRACE	0	0	0	0	0	0	0	0	2	
77	6	TRACE	0	TRACE	0	0	0	0	0	0	TRACE	TRACE	
78	1	5	TRACE	0	0	0	0	0	0	0	*TRACE		
MEAN	3.2	2.7	1.2	.2	.0	.0	.0	.0	.0	.0	.7	1.6	4.9
S.D.	3.203	3.079	2.291	.516	.000	.000	.000	.000	.000	.000	1.229	2.107	2.904
TOTAL OBS.	769	732	802	756	780	780	772	770	748	775	769	735	918

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

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

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

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

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

   a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

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

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

74-29982

CLIMATOLOGY BRANCH
SAF/TAC
USAF WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

34045 SITTARD AB GERMANY 59-78

STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT	NOV	DEC	ALL MONTHS	
59								ESE	25E	28SSW	41S	30W	46	
60	W	38SW	31WNW	34WNW	40WSW	29W	29WSW	31NW	32WSW	27W	34WSW	43SW	53	SW 53
61	SW	42WNW	41WSW	30W	28W	31WSW	25W	33WNW	34W	33SSW	36WSW	36WNW	41	SW 42
62	W	56W	46SW	36ENE	35W	35NW	28WNW	32SW	37WNW	45NE	25NW	25WNW	51	W 56
63	E	31NE	22SSW	38WSW	30WSW	28WNW	34SW	32WSW	38WNW	33SW	27SW	42E	25	SW 42
64	E	23W	29NE	27WSW	35WSW	28SW	31W	30SSW	38SW	33SW	48WSW	41SSW	34	SW 48
65	WSW	45NNW	35SSW	40W	32WNW	40SW	50WSW	36W	34SSW	42WSW	32W	49W	56	W 56
66	W	48W	38W	58	NE	*19W	38SSE	54SW	26SW	*20WSW	*28WNW	44WSW	*43	
67	W	29W	60W	41WSW	42W	45NW	49W	29W	43S	30WSW	*44SSW	37W	37	W 56
68	W	38S	34W	44W	39W	33W	31				9/	3226/	39	
69	29/	2824/	36 8*	2827/	3926/	35 1/	2722*	3831*	26 6*	2024/	2025/	42 8/	26	25/ 42
70	11/	2529/	5226/	3833/	5017/	38 8/	3126/	5026/	3411*	3327/	3727/	3932/	36	29/ 52
71	26/	4019/	40 3/	3424/	3320*	4530*	3823/	4425/	4621/	2924/	3520/	4229/	37	25/ 46
72	7/	3428/	3625/	5124/	4425/	4727/	3012/	4324/	4029/	30 7/	2429/	5023/	29	25/ 51
73	20/	2329/	42 6/	2728/	4510/	3123/	3023/	3225/	3224/	3528/	3628/	3433/	38	28/ 45
74	24/	5521/	5224/	56 2/	3030/	3524/	3728/	4028/	3325/	3728/	4028/	4725/	56	24/ 56
75	29/	39 8/	2825/	2824/	35 7/	3224/	3629/	3423/	3022/	3627/	3125/	5521/	40	25/ 55
76	26/	5921/	3826/	28 4/	3427/	3028/	2826/	2910/	2630/	2818/	2420/	4824/	39	26/ 59
77	23/	3324/	3323/	3429/	4228/	3123/	3824/	3021/	2824/	2428/	3626/	5228/	40	26/ 52
78	29/	44 9/	3823/	4425/	3132/	2729/	3924/	3119/	2729/	3830/	2227/	23		
MEAN	38.4	38.4	38.2	36.8	33.8	33.9	35.7	33.5	33.0	32.2	40.6	40.2		51.3
S.D.	10.766	9.112	9.503	6.259	5.801	6.293	7.623	6.022	5.657	7.636	8.690	9.256		5.770
TOTAL OBS.	588	537	576	539	558	567	555	581	559	580	593	583		6818

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

USAF ETAC FORM AS 64 0-88-5 (OLI)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5	.2	.1								1.4	5.0
NNE	.2	.4	.4	.2								1.3	6.6
NE	.9	.6	.4	.2								2.2	5.4
ENE	1.5	1.9	1.6	.8	.3							6.1	7.0
E	2.3	7.0	4.1	1.6	.5							15.7	6.8
ESE	.2	1.1	.2		.1							1.6	6.0
SE	.8	.3										1.1	3.1
SSE	.5	1.2	.5	1.1	.1							3.4	8.4
S	1.2	2.4	3.5	1.6	.1	.1						6.9	7.9
SSW	.3	1.5	2.0	3.0	.6	.1						7.6	10.8
SW	1.0	1.9	4.1	4.5	.3	.4						12.3	10.0
WSW	.8	2.4	4.0	3.2	1.2	.8	.2	.1				12.6	11.2
W	.6	2.3	2.8	2.3	1.0	.1						9.0	9.5
WNW	.8	.6	.6	.4	.3							2.8	7.9
NW	.2	.2	.1	.3	.1							1.0	8.7
NNW	.2	.3										.5	3.8
VARBL	2.9	.3	.1				.1					3.4	3.3
CALM												9.0	
	14.8	25.1	24.8	19.6	4.7	1.5	.3	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.9	.2	.1								2.2	4.0
NNE	.4	.4	.1	.1	.1							1.2	6.3
NE	.4	.3	.3	.4	.1							1.6	7.8
ENE	1.1	1.9	2.7	1.0	.3	.1						7.1	7.9
E	3.2	5.2	4.5	1.4	.5	.1						14.9	6.9
ESE	.9	.2	.2									1.3	3.8
SE	.1	.9	.3	.2								1.5	5.9
SSE	.3	1.4	.8	.2								2.7	6.1
S	1.7	2.5	3.7	2.3	.2							10.3	8.0
SSW	.6	1.5	2.7	2.8	.8							8.4	9.8
SW	.4	2.4	4.4	4.7	.8							12.7	10.1
WSW	.2	1.5	3.8	2.7	1.7	.3						10.2	11.6
W	.9	2.0	2.8	2.0	.6	.4	.1					8.9	10.0
WNW	.5	.1	.3	.4								1.4	7.6
NW	.3	.3	.1	1.0								1.7	8.7
NNW	.5	.1		.2								.9	5.8
VARBL	1.7	1.2		.1	.1	.2	.1					3.4	6.1
CALM												9.6	
	14.4	22.8	26.9	19.7	5.3	1.2	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.8	.4									1.7	4.9
NNE	.6	.6	.3	.4								2.0	5.9
NE	.4	.6										1.1	3.9
ENE	1.3	3.0	2.8	.8	.2	.1						8.2	7.3
E	1.7	4.0	3.8	1.5	.6	.1						11.7	7.6
ESE	.5	1.3	.1									1.9	4.1
SE	.4	1.0	.2	.3								1.9	6.2
SSE	1.0	1.7	.1	.2	.1							3.1	5.3
S	.6	3.1	2.3	2.0	.4							8.5	8.5
SSW	.6	2.3	2.5	4.0	1.0	.1						10.4	10.5
SW	1.0	2.6	4.3	2.8	.5							11.2	8.9
WSW	.4	1.3	4.2	4.1	.6	.3						11.0	10.7
W	.6	1.2	2.5	2.2	.9	.3	.2					7.8	11.2
WNW	.9	.1	.6	.3	.3							2.3	7.7
NW	.1	.3	.9	.4								1.7	8.4
NNW	.3		.2	.1								.6	5.7
VARBL	2.4	.3	.2	.2	.1							3.2	3.9
CALM												11.5	
	13.5	24.7	25.4	19.4	4.8	1.0	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AA 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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.5	1.1	.4									2.0	4.6
NNE	.3	.1	.1	.1								.6	5.3
NE	.3	.9	.4									1.6	5.1
ENE	1.4	2.2	2.6	.5	.4							7.1	7.3
E	3.5	5.2	4.4	1.9	.8							15.8	7.0
ESE	1.1	1.2	.6	.1								3.0	4.8
SE	.5	1.1	.2		.1							1.9	5.5
SSE	.5	.4	.4	.2	.1							1.7	6.6
S	.9	2.5	2.5	3.0	.3	.2						9.4	9.5
SSW	.8	1.5	2.2	2.5	.4	.1						7.4	9.9
SW	.6	1.6	3.7	5.3	.8							11.9	10.4
WSW	.4	1.6	5.3	2.6	.9	.3	.1					11.2	10.5
W	.5	1.2	3.1	3.3	.3	.1						8.6	10.2
WNW	.2	.4	.8	.3		.3						2.0	10.2
NW	.2	.1	1.1	.1								1.5	7.4
NNW	.4	.2	.4	.4								1.5	7.5
VARBL	1.4	.6	.2	.2	.5	.2						3.3	7.5
CALM												9.2	
	13.8	21.0	28.5	20.6	4.5	1.3	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.8	.3	.6	.2								1.9	6.1
NNE	.4	.5	.3									1.3	4.7
NE	.1	.4	.4	.2								1.2	7.8
ENE	.8	1.8	2.6	.4	.4							6.0	7.6
E	2.7	3.6	5.0	1.8	.8							13.8	7.5
ESE	.3	1.4	.4	.1								2.3	5.6
SE	.4	.4	.3									1.2	4.7
SSE	.5	1.3	.5	.1								2.5	5.3
S	1.3	1.7	2.7	2.5	.6							8.8	9.3
SSW	.3	1.5	2.0	4.5	1.0	.2						9.5	11.4
SW	.4	2.2	3.1	4.1	1.2	.4						11.4	11.1
WSW	.8	.9	3.9	3.7	1.2	.3	.1					10.8	11.3
W	.2	1.0	3.3	3.9	.5							8.9	10.9
WNW	.4	.3	.1	.3	.2	.4						1.8	12.3
NW	.3	.3	.4	.4								1.5	7.5
NNW	.1	.1	1.4	.9								2.5	10.0
VARBL	1.4	.9	.2	.2	1.1	.1						3.9	9.0
CALM												10.7	
	11.3	18.6	27.4	23.4	7.0	1.5	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.3	.4	.2								1.1	7.1
NNE	.1	.6	.3	.2								1.3	6.9
NE	.3	.5	.5	.4	.1							1.9	8.3
ENE	1.5	1.8	1.7	.4	.3							5.8	6.7
E	2.7	5.1	4.2	2.3	.3							14.5	7.0
ESE	1.0	1.1	.9	.1								3.0	5.0
SE	.6	1.2	.6									2.5	4.9
SSE	.4	.6	1.1	.1								2.3	6.6
S	1.2	1.8	3.7	2.0								8.7	8.0
SSW	.9	1.9	2.0	4.3	1.3							10.4	10.6
SW	.8	1.3	3.5	3.8	1.3	.2						10.9	10.9
WSW	.3	1.1	4.3	3.4	.8							9.8	10.5
W	.3	1.8	3.9	2.5	1.1	.1	.1					9.8	10.7
WNW	.1	.3	.8	.3	.1	.2						1.8	10.7
NW	.1	.5	.9	.2		.1	.1					1.9	9.9
NNW	.3	.3	1.1	.4								2.2	7.8
VARBL	1.2	1.0	.1	.5		.2						3.0	6.6
CALM												9.1	
	11.8	21.4	30.0	21.3	5.3	.9	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.3	.2	.1	.2								.9	6.4
NNE	.8	.3	.1	.1								1.3	4.0
NE	.2	.8	.5	.6								2.2	7.8
ENE	1.1	2.7	1.7	1.1	.1							6.7	6.8
E	1.9	6.7	4.6	1.9	.3							15.5	7.0
ESE	.8	.8	.4									1.9	4.3
SE	.6	1.2	.4		.1							2.4	5.4
SSE	.9	1.2	.5	.8	.1							3.4	7.2
S	.8	2.2	2.3	2.4								7.5	8.7
SSW	.3	1.6	3.9	2.5	1.0	.3						9.6	10.6
SW	.4	2.4	4.2	3.2	1.0	.4						11.6	10.4
WSW	.5	2.0	4.2	3.2	1.0	.2						11.2	10.2
W	.5	1.9	2.6	2.7	.9	.2						8.8	10.1
WNW	.4	1.2	.8	.3	.2	.1						3.0	7.9
NW		.2	1.0									1.2	7.9
NNW	.3	.3	.1									.8	4.1
VARBL	1.2	.3		.2	.1	.2						2.0	6.6
CALM												9.9	
	11.1	26.0	27.5	19.3	4.7	1.5						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 928

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS); DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.1	.2	.1								1.2	4.3
NNE		.2	.2	.1								.5	8.4
NE	.1	.9	.4	.2								1.6	6.6
ENE	1.7	2.7	1.3	1.5	.2							7.4	6.9
E	1.9	8.5	3.9	1.2	.4							15.9	6.5
ESE	1.1	.9	.1	.1	.1							2.3	4.8
SE	.3	.5	.3	.2								1.4	6.2
SSE	.8	1.2	.3	.8	.1	.1						3.2	7.6
S	.2	1.9	3.0	2.2	.5							7.9	9.5
SSW	.5	1.2	3.3	2.5	.9	.1						8.5	10.6
SW	.8	1.8	3.9	3.9	1.0	.4						11.7	10.5
WSW	.8	1.9	3.3	3.4	1.0	.1	.2					10.8	10.4
W	1.2	2.3	2.7	3.1	.6	.1						10.0	9.2
WNW	.4	1.3	.5	.4	.2	.3						3.2	9.0
NW	.1	.3	.2		.1							.8	8.0
NNW		.2	.3	.1								.6	8.2
VARBL	2.2	.3		.2	.2							2.9	4.8
CALM												10.0	
	12.8	26.3	24.1	20.0	5.4	1.2	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 929

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.6	.5	.3	.1								1.5	5.1
NNE	.4	.4	.2	.2	.0							1.2	5.9
NE	.3	.6	.4	.3	.0							1.7	6.7
ENE	1.3	2.3	2.1	.8	.3	.0						6.9	7.2
E	2.5	5.6	4.3	1.7	.5	.0						14.7	7.0
ESE	.7	1.0	.4	.1	.0							2.2	4.9
SE	.5	.8	.3	.1	.0							1.7	5.3
SSE	.6	1.1	.5	.4	.1	.0						2.8	6.7
S	1.0	2.3	2.9	2.2	.3	.0						8.8	8.6
SSW	.6	1.6	2.6	3.3	.9	.1						9.0	10.5
SW	.7	2.0	3.9	4.0	.8	.2						11.7	10.3
WSW	.5	1.6	4.1	3.3	1.0	.3	.1	.0				10.9	10.8
W	.6	1.7	3.0	2.7	.7	.2	.1					9.0	10.2
WNW	.5	.6	.6	.4	.2	.2						2.3	9.0
NW	.2	.3	.6	.3	.0	.0	.0					1.4	8.4
NNW	.3	.2	.4	.3								1.2	7.5
VARBL	1.8	.6	.1	.2	.3	.1	.0					3.2	6.0
CALM												9.9	
	13.0	23.3	26.8	20.4	5.2	1.3	.2	.0				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7436

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS), DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.8	.6	.4								3.5	5.4
NNE	.9	.7	1.2	.5								3.3	6.6
NE	.6	1.7	2.1	.5								4.8	7.1
ENE	2.2	3.7	2.4	1.5	.1							9.9	6.6
E	2.8	5.0	3.8	2.5	.5							14.5	7.1
ESE	.5	1.3	.2	.1								2.1	5.0
SE	.5	.4										.8	3.3
SSE	.5	1.7	.7	.1								3.0	5.4
S	.4	.2	1.3	1.1	.1	.1						3.2	10.4
SSW	.4	.5	1.3	2.7	.1	.4						5.3	11.4
SW	.5	1.5	3.3	2.5		.5						8.3	9.9
WSW	.4	2.5	4.6	3.5	.9	.4						12.3	10.2
W	.1	1.9	2.6	2.5	.5	.1						7.7	9.7
WNW	.4	.8	1.3	.2		.1						2.8	7.3
NW		.4	.1	.1	.1							.7	9.8
NNW	.2	.6	.1	.2	.1							1.3	7.3
VARBL	1.4	.7	.2	.2	.2							2.8	5.3
CALM												13.5	
	12.5	25.2	25.9	18.7	2.7	1.5						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 846

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	1.2	.8	.1								3.7	4.8
NNE	.8	.7	1.5	.7								3.8	7.3
NE	.9	1.2	2.0	.2								4.4	6.2
ENE	1.4	3.2	3.3	2.2								10.2	7.6
E	1.9	4.6	3.5	1.9	.2							12.2	7.1
ESE	.5	1.2	.2									1.9	4.7
SE	.5	.5	.2									1.2	4.7
SSE	.8	.4	.5									1.7	4.4
S	.8	.2	1.1	.6								2.7	7.4
SSW	.5	1.3	1.8	2.8	.6	.1						7.1	10.2
SW	.5	1.5	3.3	3.8	.7	.1						9.9	10.4
WSW	.2	2.8	3.4	3.4	.9							10.9	10.0
W	.9	1.7	1.5	1.3	.8	.6						6.9	10.3
WNW	.5	.6	.4	.8	.2							2.5	8.9
NW	.4	.4	.7	.2	.1							1.8	7.8
NNW	.2	.9	.8	.4	.2							2.6	8.2
VARBL	1.4	.5		.2								2.1	3.8
CALM												14.7	
	13.8	22.8	25.2	18.8	3.9	.8						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	1.4	1.4	1.2	.1								4.1	5.1
NNE	1.1	.8	1.2	.4	.1							3.5	6.7
NE	.7	1.5	1.9	.7								4.8	7.4
ENE	1.9	2.7	2.7	1.3	.5							9.1	7.4
E	1.8	4.7	3.9	1.9	.4							12.6	7.4
ESE	.8	.8	.1									1.8	3.8
SE	.4	1.1	.6									2.0	5.2
SSE	.8	.7	.7									2.2	5.1
S	.6	1.4	2.0	1.8								5.8	8.7
SSW	.2	.8	2.7	1.5	.4							5.7	9.7
SW	.5	.9	4.5	2.6	.6							9.1	10.0
WSW	.7	2.0	3.5	3.4	.6							10.3	9.6
W	.7	2.4	1.8	2.0	.6							7.4	9.0
WNW	.6	.9	.2	.7	.7							3.2	9.4
NW	.2	.6	.5	.7								2.0	8.2
NNW	.1	1.1	.7	.1								2.0	6.4
VARBL	.6	.6	.5									1.7	5.0
CALM												12.5	
	13.1	24.6	28.7	17.3	3.8							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 846

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.4	1.2	1.7	.2								3.4	6.7
NNE	.7	.5	1.1	.6								2.8	7.6
NE	.6	.7	1.3	1.8	.1							4.5	9.3
ENE	.6	1.1	3.4	2.6	.2							7.9	9.1
E	2.3	5.2	3.4	2.8	.5							14.2	7.4
ESE	1.3	.9	.1									2.4	3.9
SE	.5	.6	.5	.1								1.7	6.1
SSE	.6	1.3	1.1									3.0	5.7
S	.8	1.1	2.6	2.0	.7	.1						7.3	9.7
SSW	.4	1.3	1.7	2.6	.2	.2						6.4	10.3
SW	.2	.8	5.2	3.2	1.1							10.5	10.5
WSW	.7	1.2	2.5	3.6	.7							8.6	10.5
W	.4	.9	1.7	3.0	.4	.1						6.4	10.7
WNW	.1	1.9	.9	.8	.2							4.0	8.4
NW	.2	.5	1.5	.7								2.5	7.9
NNW	.4	.5	.8	.2								1.9	7.3
VARBL	1.7	.5	.4	.4	.1							3.0	5.4
CALM												9.4	
	11.7	20.1	29.9	24.2	4.3	.5						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 864

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)

34049 (STATION) RITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1200-1200 (HOURS)

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.8	1.9	.4								3.7	6.9
NNE	.2	.4	1.4	1.1	.1							3.2	9.6
NE	.5	.4	1.1	1.8	.2							3.9	9.8
ENE	.6	.7	2.6	2.6								6.5	9.1
E	2.0	2.0	4.1	4.0	.5							12.6	8.8
ESE	.8	.9	.4									2.1	4.5
SE	.5	1.1	.4	.4								2.2	5.9
SSE		1.3	.5	.5								2.2	7.3
S	.6	1.2	3.1	2.2		.2						7.3	9.1
SSW		1.3	2.4	.8	.4	.5						5.3	10.3
SW	.4	1.7	3.7	4.1	.9	.2						11.0	10.7
WSW	.8	2.1	3.1	4.1	1.5	.1						11.8	10.7
W	.6	1.4	1.9	2.7	.5	.1						7.2	10.0
WNW	.4	1.3	.7	.8	.1	.1						3.4	8.8
NW	.1	1.1	1.3	.4								2.8	7.7
NNW	.1	.4	.5	1.1	.1							2.1	10.5
VARBL	1.9	.8	.4	.7	.4							4.1	6.5
CALM												8.3	
	10.0	18.8	29.2	27.7	4.7	1.3						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 846

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.1	.7	1.4	.8								3.1	8.6
NNE	.2	.9	2.2	.7	.2							4.4	8.9
NE	.1	.5	1.4	1.7								3.7	10.1
ENE	.9	.9	2.2	2.1	.1							6.4	9.3
E	.9	3.0	4.1	2.2	.5							10.8	8.2
ESE	.7	.4	.9									2.0	5.9
SE	.1	.7		.2								1.1	6.1
SSE	.8	.8	.6	.2								2.5	5.6
S	.8	1.9	4.4	1.3	.6							9.0	8.6
SSW	.4	2.4	1.7	.6	.5	.1						5.6	8.4
SW	.7	2.2	3.8	3.7	.5	.7						11.6	10.5
WSW	.5	1.7	3.3	3.3	.8							9.6	10.2
W	.5	2.0	3.4	3.3	.1							9.3	9.4
WNW	.4	.9	1.5	1.1	.1							4.0	8.4
NW	.5	.6	1.2	.4								2.6	6.8
NNW	.1	.6	.9	.5								2.1	8.5
VARBL	1.9	.9	1.7	.8		.1						5.4	6.7
CALM												7.0	
	9.7	21.2	34.9	22.9	3.4	.9						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.6	.9	1.1	.2								2.8	6.4
NNE	.6	1.7	1.8	.7								4.7	7.4
NE	.5	1.4	1.4	.8	.1							4.3	7.7
ENE	.8	1.8	3.1	1.3								7.0	7.8
E	3.0	5.3	3.5	1.8	.1							13.7	6.4
ESE	1.1	1.1	.5	.2								2.8	5.1
SE	.8	.9	.1									1.9	3.8
SSE	.8	.8	1.8	.4								3.8	6.7
S	.5	2.0	1.8	1.5	.4							6.1	8.6
SSW	1.1	1.4	2.5	1.5	.1	.1						6.7	8.2
SW	.5	.9	3.7	3.4	.5	.4						9.3	10.9
WSW	.	2.0	4.3	2.2	.1		.1					9.0	9.1
W	.4	3.1	3.5	2.5	.2	.1						9.8	8.9
WNW	.5	.7	.6	.2								2.0	6.6
NW	.5	.7	.9	.4								2.5	6.6
NNW	.2	.7	.6	.4								1.9	7.2
VARBL	.9	.9	.2	.5								2.6	5.8
CALM												9.0	
	12.9	26.5	31.3	18.1	1.5	.6	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 846

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.0	.8	.5								4.4	5.5
NNE	.7	1.2	.6	.7								3.2	6.6
NE	.8	2.4	2.1	.6								5.9	7.0
ENE	.9	2.1	1.8	2.2								7.1	7.9
E	2.8	7.3	2.6	1.8								14.5	5.9
ESE	1.1	1.3	.4									2.7	4.2
SE		.8	.2									1.1	5.0
SSE	.4	.8	.9	.2								2.4	6.8
S	.5	1.5	1.3	.9	.5		.1					5.3	8.8
SSW	.1	1.2	1.9	1.8	.8	.2	.2					6.3	11.4
SW	.6	1.3	2.8	2.8	.6	.4						8.5	10.5
WSW	.9	3.2	3.9	2.5	.6	.1						11.2	8.9
W	.4	3.2	3.5	2.4	.4							9.8	8.9
WNW		.7	.7	.4								1.8	7.7
NW	.5	.5	.2	.6								1.8	7.5
NNW	.2	.6	.1	.2								1.2	6.0
VARBL	1.3	.1	.1	.5	.1		.1					2.2	7.6
CALM												10.6	
	12.3	30.3	24.6	18.1	3.0	.7	.5					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC FORM 22, 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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.8	1.3	1.2	.3								3.6	6.1
NNE	.7	.9	1.4	.7	.1							3.6	7.6
NE	.6	1.2	1.7	1.0	.1							4.5	7.9
ENE	1.2	2.0	2.7	2.0	.1							8.0	7.9
E	2.2	4.6	3.6	2.4	.3							13.2	7.2
ESE	.8	1.0	.4	.0								2.2	4.6
SE	.4	.8	.3	.1								1.5	5.1
SSE	.6	1.0	.8	.2								2.6	5.9
S	.6	1.2	2.2	1.4	.3	.1	.0					5.9	8.9
SSW	.4	1.3	2.0	1.8	.4	.2	.0					6.0	10.0
SW	.5	1.4	3.8	3.3	.6	.3						9.8	10.4
WSW	.6	2.2	3.6	3.3	.8	.1	.0					10.5	9.9
W	.5	2.1	2.5	2.5	.4	.1						8.1	9.5
WNW	.3	1.0	.8	.6	.2	.0						3.0	8.3
NW	.3	.6	.8	.4	.0							2.1	7.6
NNW	.2	.7	.6	.4	.1							1.9	7.8
VARBL	1.4	.6	.4	.4	.1	.0	.0					3.0	5.9
CALM												10.6	
	12.0	23.7	28.7	20.7	3.4	.8	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 6766

USAFET 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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	2.9	1.2	.2								6.7	5.0
NNE	1.1	1.8	1.2	.2								4.3	5.8
NE	.8	2.5	2.4	.6								6.2	6.7
ENE	1.9	3.7	4.6	1.4	.3							11.9	7.1
E	1.6	4.4	3.8	1.6								11.4	7.0
ESE	.3	.5										.9	4.0
SE	.6	.4	.1									1.2	3.5
SSE	.1	.8	.4	.1								1.4	5.6
S	.4	1.2	.9	1.0	.2	.1						3.8	9.1
SSW	1.0	1.0	2.6	2.5	.4							7.4	9.5
SW	.5	1.6	1.4	2.3	.6							6.5	9.7
WSW	.6	2.7	3.5	2.7	.3	.2						10.1	9.1
W	.9	2.6	3.3	1.1	.2	.1						8.2	8.0
WNW	.4	.5	.8	.1								1.8	6.6
NW	.3	.5	.1	.5								1.5	7.5
NNW	.1	.5	.2	.1								1.0	5.6
VARBL	.6	.3		.5								1.7	7.2
CALM												14.1	
	13.8	28.0	26.5	15.2	2.2	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.3	1.0	.6	.1							5.6	5.7
NNE	1.1	2.2	1.7	.2	.1							5.3	6.1
NE	.3	2.7	2.4	.8								6.1	7.1
ENE	1.9	5.7	3.3	1.1	.3							12.4	6.6
E	1.8	3.4	4.8	1.4								11.5	6.9
ESE	.3	.4	.3									1.1	5.1
SE		.1										.1	5.0
SSE	.4	1.0	.2									1.6	4.6
S	.5	1.4	1.5	.6	.2							4.3	7.9
SSW	.4	.4	2.6	1.7	.4							5.6	10.1
SW	.3	1.5	2.5	2.7	.6							7.6	10.3
WSW	.5	2.4	2.9	2.2	.6							8.6	9.1
W	1.1	2.6	3.9	1.9	.4	.1						10.0	8.5
WNW	.5	.2	.2	.2								1.2	5.9
NW	.5	.4										1.0	3.2
NNW	.6	1.1	.9	.1								2.7	5.7
VARBL	.8		.2									1.0	3.4
CALM												14.4	
	12.9	27.7	28.4	13.5	2.9	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (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	1.6	2.6	1.9	.2								6.3	5.7
NNE	.8	1.4	1.6	.3								4.1	6.7
NE	.9	2.4	2.2	.4								5.8	6.5
ENE	1.7	4.1	4.5	1.5	.4							12.3	7.5
E	1.2	4.3	4.5	2.3								12.3	7.4
ESE	.3	.2										.5	3.4
SE	.3	.3	.2									.9	4.9
SSE	.3	.4	.5									1.3	5.5
S	.5	1.1	1.7	.5	.2							4.1	7.8
SSW	.5	.9	2.2	2.2	.2							5.9	9.6
SW	.5	1.4	2.2	1.9	1.1	.2						7.3	10.2
WSW	1.0	3.5	2.8	1.7	.6							9.7	8.3
W	.9	1.5	3.7	1.9	.5	.1						8.6	9.3
WNW	.9	.8	.2	.1								1.9	4.6
NW	.2	.4	.6	.1								1.4	6.6
NNW	.8	.5		.1								1.4	4.0
VARBL	.9	.1	.2	1.0	.1							2.3	8.6
CALM												14.0	
	13.2	25.9	29.0	14.3	3.2	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (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	.9	1.5	1.9	.2								4.5	6.5
NNE	.3	.8	1.6	.4								3.1	7.4
NE	.4	.8	1.6	1.3								4.1	8.7
ENE	.9	1.4	4.1	3.1	.3	.2						10.0	9.6
E	1.8	4.7	5.7	3.3	.3							15.9	7.8
ESE	.6	.6	.5									1.8	4.8
SE	1.0	.2	.1									1.3	3.1
SSE	.1	.6	.5	.3								1.6	7.1
S	.2	1.5	2.2	1.1	.1							5.1	8.2
SSW	.2	.5	1.7	3.4	.2	.1						6.2	11.1
SW	.3	1.4	2.7	2.3	.4	.3						7.4	10.0
WSW	.4	2.0	3.3	3.2	1.3	.2						10.5	10.8
W	.8	2.8	2.0	2.4	.3	.1						8.4	8.8
WNW	.9	.8	.4	.8								2.8	7.0
NW	.1	.3	.5	.2								1.2	7.6
NNW	.8	.5	.4	.2								1.9	5.5
VARBL	1.5	.3	1.0	2.2	.2	.1						5.3	9.1
CALM												8.8	
	11.2	20.9	30.4	24.4	3.2	1.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (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	.3	.6	1.3	1.0								3.3	8.1
NNE	.1	.2	2.2	.6	.2							3.3	9.7
NE	.4	.6	2.2	1.4								4.6	8.8
ENE	.2	2.4	3.3	2.5	.5	.2						9.1	9.8
E	1.5	2.3	3.3	2.7	.3							10.1	8.2
ESE	.6	1.1	.4									2.2	4.5
SE	.5	.3	.1									1.0	3.9
SSE	.1	.8	.8	.2								1.8	7.4
S	.3	1.1	2.4	1.5								5.3	9.1
SSW	.3	1.1	2.8	2.7	.3							7.2	10.2
SW	.4	2.3	2.5	1.7	.4	.5						7.9	9.8
WSW	1.0	1.2	3.3	4.6	1.0	.1						11.2	10.8
W	.6	1.7	3.1	2.5	.9	.2						9.0	10.2
WNW	.3	.6	1.1	.9	.1							3.0	9.0
NW	.2	.4	.6	.9	.1							2.3	9.7
NNW	.5	.6	1.2	.2								2.6	6.8
VARBL	1.5	1.3	3.7	4.4	.2		.1					11.2	9.3
CALM												4.8	
	9.1	18.7	34.2	27.8	4.1	1.1	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 929

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.4	.6	3.3	.5	.1							5.1	8.4
NNE	.2	.5	2.6	.6	.1							4.1	8.9
NE		.8	1.7	1.9	.2							4.6	10.7
ENE	.4	1.9	3.8	2.0	.2							8.4	8.9
E	.6	2.8	3.2	2.6	.1	.1						9.5	8.6
ESE	.5	.9	.3									1.7	4.7
SE	.3	1.1	.8	.1								2.3	6.3
SSE	.8	.5	.3	.6								2.3	6.9
S	.9	1.7	1.8	1.4	.4							6.2	8.3
SSW	.5	2.0	2.6	2.2	.2	.1						7.6	9.1
SW	.4	.4	2.2	3.2	.3	.3						6.9	11.3
WSW	1.0	1.5	3.2	4.6	1.2	.3						11.8	11.2
W	.3	1.3	3.2	2.6	.4	.4						8.3	10.6
WNW	.1	.1	1.0	1.3	.2							2.7	11.5
NW	.3	.4	.9	1.3								2.9	9.7
NNW	.3	.2	2.2	.3	.1							3.1	8.7
VARBL	1.2	1.2	3.0	2.4	.1	.1						8.0	8.9
CALM												4.6	
	8.4	18.1	36.0	27.7	3.8	1.4						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.8	3.1	3.8	.4								8.1	6.7
NNE	.6	1.4	2.9	.4	.2							5.7	7.5
NE	.5	2.2	1.9	1.2								5.8	7.7
ENE	.5	2.4	4.3	1.3	.3							8.8	8.3
E	1.4	4.6	2.7	1.1								9.8	6.3
ESE	.6	.8	.9									2.3	5.5
SE	.4	.4	.2	.1								1.2	4.6
SSE	1.3	1.1	.6	.3								3.3	5.1
S	1.1	2.2	2.3	1.6	.3	.1						7.5	8.2
SSW	.4	2.3	1.1	1.1	.4							5.3	8.1
SW	1.0	2.0	2.9	1.4	.6							8.0	8.4
WSW	.6	1.4	3.4	3.3	.4		.2					9.5	10.3
W	1.0	2.5	2.7	1.8	.1							8.1	8.0
WNW	.6	.6	1.3	.6		.1						3.4	8.4
NW		.9	1.0	.4								2.3	8.2
NNW	.2	1.0	.8									1.9	5.9
VARBL	.6	.2	.5	.2								1.6	5.9
CALM												7.5	
	11.9	28.9	33.2	15.5	2.5	.2	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	2.6	1.1	.2								6.0	4.9
NNE	1.0	2.9	1.9	.5	.2							6.6	6.7
NE	.6	2.3	1.0	1.0								4.8	6.8
ENE	.9	5.4	4.3	1.5	.1							12.2	7.2
E	2.0	3.4	3.9	1.4	.2							11.0	6.8
ESE	.4	.2	.3									1.0	5.0
SE	.4	.9	.1	.1								1.3	4.8
SSE	.4	1.4	1.0									2.8	6.0
S	.5	1.6	1.7	1.1	.3							5.3	8.0
SSW	.2	1.6	3.0	1.4	.8							7.0	9.7
SW	.2	2.4	1.6	2.6	.2	.3						7.3	9.9
WSW	1.1	2.2	1.9	2.8	.3	.1	.1					8.5	9.0
W	1.1	3.1	3.1	1.8	.1	.1						9.4	7.7
WNW	.6	1.0	1.1	.2								2.9	6.0
NW	.1	.1	.6	.1								1.0	7.0
NNW	.1	.3		.1								.5	6.4
VARBL	1.0	.3	.3	.2	.1							1.9	5.8
CALM												10.6	
	12.9	31.4	27.0	15.1	2.4	.5	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-73 (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	1.3	2.0	1.9	.4	.0							5.7	6.2
NNE	.7	1.4	2.0	.4	.1							4.6	7.2
NE	.5	1.8	1.9	1.1	.0							5.3	7.7
ENE	1.1	3.4	4.0	1.6	.3	.1						10.6	8.0
E	1.5	3.8	4.0	2.0	.1	.0						11.4	7.4
ESE	.5	.6	.3									1.4	4.8
SE	.5	.4	.2	.0								1.1	4.7
SSE	.4	.8	.6	.2								2.0	6.0
S	.6	1.5	1.8	1.1	.2	.0						5.2	8.3
SSW	.5	1.2	2.3	2.1	.4	.0						6.5	9.7
SW	.5	1.6	2.2	2.3	.6	.2						7.4	9.9
WSW	.8	2.1	3.1	3.1	.7	.1	.0					10.0	9.9
W	.8	2.3	3.1	2.0	.4	.1						8.7	8.9
WNW	.6	.6	.8	.5	.0	.0						2.5	7.7
NW	.2	.4	.6	.4	.0							1.7	8.0
NNW	.4	.6	.7	.1	.0							1.9	6.4
VARBL	1.0	.5	1.1	1.4	.1	.0	.0					4.1	8.5
CALM												9.9	
	11.7	24.9	30.6	19.2	3.0	.6	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	2.6	1.0	.7								6.9	5.1
NNE	2.2	3.3	2.0	.1								7.6	5.5
NE	1.7	2.8	3.2	1.6								9.3	6.9
ENE	1.1	4.4	3.4	.7								9.7	6.2
E	2.0	3.1	1.2									6.3	4.9
ESE	.6	.2										.9	3.3
SE	.7	.2										1.0	2.5
SSE	.2	1.0	.1									1.4	5.0
S	.2	.5	.4		.2							1.4	7.4
SSW	.1	.4	.7	.7								2.0	9.3
SW	.4	1.4	4.1	2.2	.2							8.2	9.4
WSW	.1	1.7	4.2	3.4	.7							10.2	10.4
W	1.7	3.1	4.8	1.2	.1							10.9	7.2
WNW	.7	1.7	.9		.2							3.6	6.2
NW	.5	1.5	1.1	.5								3.6	6.4
NNW	1.8	1.4	.5	.1								3.8	4.2
VARBL	.6	.7	.1	.1								1.6	4.2
CALM												11.7	
	17.5	30.0	27.7	11.6	1.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 813

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.6	1.8	.1								7.3	5.3
NNE	2.9	2.5	1.9	.5								7.7	5.4
NE	1.1	2.9	2.3	1.4								7.6	6.9
ENE	1.8	4.8	3.5	1.2								11.2	6.4
E	1.7	3.7	1.2									6.5	4.9
ESE	.4	.1	.1									.6	4.0
SE	.4	1.0										1.3	3.8
SSE	.1	.2										.4	3.3
S	.7	.1	.4	.1								1.3	4.8
SSW		.4	1.0	1.0	.1							2.4	10.7
SW	.4	1.2	3.2	2.1	.6							7.5	10.0
WSW	.4	2.5	3.3	3.5	.5							10.1	9.6
W	1.0	2.9	4.6	1.8	.5	.1						10.8	8.2
WNW	.5	1.2	1.2	.7	.2							3.8	7.9
NW	.5	1.1	1.0									2.5	5.6
NNW	1.1	1.2	1.2	.2								3.7	5.8
VARBL	.7	.1		.1								1.0	3.6
CALM												14.3	
	15.1	29.3	26.5	12.7	1.9	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 840

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	2.9	2.0	1.1	.1								6.1	4.4
NNE	2.6	3.2	1.7	.6	.1							8.1	5.5
NE	1.1	2.1	2.3	1.2	.1							6.9	7.5
ENE	1.9	5.2	3.7	2.1								12.9	7.0
E	2.0	3.7	2.0	.2								7.9	5.2
ESE	.4	.1	.1									.7	3.8
SE	.1	.6	.2									.9	4.8
SSE	.4	.7		.1								1.2	4.9
S	.4	.2	.2	.2								1.1	5.7
SSW	.1	.2	.8	1.2	.1							2.4	11.0
SW	.2	1.4	3.0	2.3	.3							7.3	9.8
WSW	.9	1.8	3.7	4.2	1.1	.2						11.9	10.6
W	1.3	1.9	3.7	1.9	.2							9.0	8.1
WNW	1.4	1.1	1.1	.4								4.1	5.8
NW	.6	1.6	.4	.4								3.0	6.2
NNW	.9	.7	1.6	.1								3.2	6.4
VARBL	1.2	.3	.2	.6	.1							2.4	6.3
CALM												10.8	
	18.6	26.8	25.8	15.8	2.1	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM AE 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)

34049 (STATION) BITBURG AB GERMANY (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	1.0	1.8	2.0	.8								5.6	7.1
NNE	.6	.7	1.3	.6								3.1	7.2
NE	.6	.2	1.9	1.7	.1							4.4	9.6
ENE	.7	2.1	2.9	3.7	.2							9.6	9.5
E	1.7	3.9	4.4	1.4								11.5	7.1
ESE	.9	.6	.3									1.8	6.1
SE	.1	.8	.2									1.1	5.4
SSE	.3	.9	.2	.1								1.6	5.4
S	.2	1.0	1.4									2.7	5.6
SSW	.2	.7	.9	1.7	.7							4.1	11.2
SW	.7	.8	2.6	1.6	.9	.4						6.9	11.3
WSW	.2	1.9	3.9	4.1	1.4	.1						11.7	11.1
W	.8	1.9	2.1	3.7	.4	.1						9.0	9.8
WNW	.6	.9	1.7	1.0								4.1	7.9
NW	.3	.2	1.6	.8								2.9	8.8
NNW	.9	1.8	.9	1.8								5.3	7.6
VARBL	1.8	1.7	3.8	2.2	.3	.2						10.0	8.4
CALM												4.7	
	11.5	21.7	32.1	25.0	4.1	.9						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 899

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)

34049 (STATION) BITBURG AB GERMANY (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	.4	.9	2.9	1.1								5.3	8.4
NNE	.4	.6	1.2	1.1								3.3	8.7
NE		.6	1.7	1.6	.4							4.2	10.9
ENE	.2	1.0	2.3	2.7	.4							6.7	10.8
E	.7	1.4	2.8	1.2								6.1	8.0
ESE	.7	.6	.1	.2								1.6	5.1
SE	.6	.9	.2	.1								1.8	4.6
SSE	.4	.6	.9									1.9	5.8
S	.3	.7	1.4	[illegible]	.2							3.4	9.1
SSW	.2	1.2	1.6	[illegible]	.4							5.4	10.3
SW	.3	.7	2.3	1.[illegible]	1.1	.4						6.6	12.1
WSW	.6	1.6	1.6	2.7	1.9	.3	.1					8.7	12.1
W	1.0	1.6	3.4	3.9	1.7							11.6	10.8
WNW	.3	.3	1.2	.8	.3							4.0	8.9
NW	.1	.4	1.7	1.0	.2							3.4	9.9
NNW	.4	.6	1.9	2.1	.[illegible]	.1						5.2	9.7
VARBL	1.4	3.1	8.7	4.[illegible]	[illegible]	.3						18.6	9.0
CALM												2.2	
	8.2	17.6	35.9	27.7	[illegible].1	1.2	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 900

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)

34049 (STATION) BITBURG A. GERMANY (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	.4	1.8	2.3	1.8								6.3	8.4
NNE		1.0	1.4	1.6	.1							4.1	9.4
NE	.4	.8	1.9	1.9	.2							5.2	9.9
ENE	.4	1.0	2.2	3.0	.2							6.9	10.3
E	.1	1.2	2.2	1.7								5.2	9.0
ESE	.3	.3	.4	.2								1.3	7.1
SE	.2	.7	.2									1.1	4.9
SSE	.6	.4	1.0	.1								2.1	6.2
S	.4	2.1	1.1	.9	.3							4.9	7.9
SSW	.6	.8	1.1	2.0	.6	.1						5.1	10.6
SW	.3	.6	2.0	2.0	.6	.4	.1					6.0	12.1
WSW	.1	.4	1.7	2.7	1.0	.3						6.2	13.1
W	.6	1.2	3.9	5.0	.7	.1	.1					11.6	11.2
WNW	.4	.8	1.6	1.1								3.9	8.4
NW	.2	.8	1.7	1.4	.1	.1						4.3	9.9
NNW	.3	.9	2.2	2.1	.6	.1						6.2	11.0
VARBL	1.6	2.7	9.0	3.4	.8							17.4	8.9
CALM												2.0	
	7.1	17.4	36.0	30.9	5.1	1.2	.2					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.6	2.9	4.2	1.3	.1							9.1	7.7
NNE	.4	2.0	3.1	1.0								6.6	7.7
NE	.3	1.6	3.2	1.7								6.8	8.5
ENE	.7	3.0	3.0	1.8								8.5	7.8
E	1.2	2.4	2.4	.4								6.6	6.1
ESE	.7	.6	.3									1.6	4.5
SE	.6	1.1	.3									2.0	4.7
SSE	.4	.6	.3	.2								1.6	6.0
S	.3	1.2	.5	.4	.1							2.9	7.4
SSW	.2	1.9	1.2	1.1	.2							4.7	8.6
SW	.7	1.2	1.9	1.1	.7	.2						5.8	9.9
WSW	.3	1.2	2.8	3.8	.3							8.5	10.6
W	.6	2.6	4.1	2.2	.3	.1		.1				10.0	9.1
WNW	.2	1.0	1.9	.7								3.8	8.0
NW	1.0	2.2	2.6	.9	.2	.1						7.0	7.8
NNW	.4	2.2	3.2	1.4								7.3	8.2
VARBL	.7	.7	.4	.6	.1							2.4	7.1
CALM												5.0	
	9.3	28.4	35.9	18.7	2.1	.4		.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE (MAC)

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-70, 72-78 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	2.6	2.1	.6								7.0	6.0
NNE	1.6	4.2	3.6									9.4	5.8
NE	1.1	2.3	2.6	.7								6.8	6.9
ENE	1.5	4.2	3.1	1.2								10.0	6.5
E	1.6	3.5	1.0									6.0	4.8
ESE	.6	.5										1.1	3.4
SE	.5	.4	.1	.1								1.1	4.9
SSE	.1	.6	.4									1.1	6.0
S	.4	1.6	.7	.7								3.5	7.6
SSW	.7	1.1	.9	.2								3.0	5.9
SW	.1	1.2	2.3	2.0	.6							6.3	10.5
WSW	.6	2.1	4.4	3.3	.5	.1						11.1	9.7
W	1.1	3.2	3.7	1.2	.1							9.4	7.3
WNW	1.0	2.3	1.1	.2	.1							4.8	6.3
NW	1.0	1.6	1.7	.2								4.6	6.2
NNW	2.1	1.1	1.2	.2								4.7	5.1
VARBL	.5	.4										.9	2.9
CALM												9.3	
	16.3	33.0	29.0	11.0	1.4	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 810

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) APR (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	1.4	2.2	2.2	.8	.0							6.7	6.6
NNE	1.3	2.1	2.0	.7	.0							6.2	6.5
NE	.8	1.6	2.4	1.5	.1							6.4	8.1
ENE	1.0	3.2	3.0	2.1	.1							9.4	7.8
E	1.4	2.8	2.2	.6								7.0	6.3
ESE	.6	.4	.2	.1								1.2	4.6
SE	.4	.7	.2	.0								1.3	4.5
SSE	.3	.6	.4	.1								1.4	5.6
S	.4	.9	.8	.4	.1							2.7	7.5
SSW	.3	.8	1.0	1.3	.3	.0						3.7	9.8
SW	.4	1.0	2.7	1.9	.6	.2	.0					6.8	10.6
WSW	.4	1.6	3.2	3.5	.9	.1	.0					9.8	10.8
W	1.0	2.3	3.8	2.7	.5	.1	.0	.0				10.3	9.1
WNW	.6	1.3	1.3	.6	.1							4.0	7.4
NW	.5	1.2	1.5	.7	.1	.0						3.9	7.7
NNW	1.0	1.2	1.6	1.0	.1	.0						5.0	7.7
VARBL	1.1	1.2	2.9	1.5	.2	.1						7.0	8.3
CALM												7.4	
	12.8	25.3	31.2	19.4	3.2	.5	.0	.0				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 6961

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-70,72-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.2	1.3									4.8	4.7
NNE	1.9	1.8	.7	.1								4.5	4.5
NE	1.4	1.7	1.1									4.2	4.6
ENE	2.5	5.7	3.2	1.1								12.6	5.9
E	2.9	9.1	2.6	.1								14.7	5.0
ESE	.5	.4										.8	3.4
SE	.6	1.0										1.6	3.3
SSE	.6	.6	.1									1.3	3.9
S	.6	1.0	1.2	.1								2.9	6.1
SSW	.5	1.9	1.6	.8								4.8	7.7
SW	.1	1.8	3.1	1.1								6.1	8.2
WSW	.6	2.4	2.9	.8								6.7	7.1
W	1.8	3.8	3.3	1.2								10.2	6.5
WNW	1.2	1.2	1.9	.2								4.5	6.1
NW	.4	.8	.6									1.8	5.4
NNW	.1	.4	.7	.4								1.6	7.8
VARBL	.4	.4	.1									.8	3.7
CALM												16.1	
	17.3	36.0	24.5	6.0								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 836

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.3	1.5	.8									4.6	4.1
NNE	1.3	1.7	1.5	.1								4.6	5.3
NE	1.2	2.3	.5	.3								4.3	5.0
ENE	2.8	7.0	3.8	.9								14.5	5.7
E	2.0	5.9	3.8									11.6	5.6
ESE	.5	.5										.9	3.3
SE	.6	.2		.1								.9	3.9
SSE	.8	.7	.1									1.6	3.6
S	.7	1.2	.9									2.8	5.6
SSW	.7	.5	2.2	.7								4.0	7.7
SW	.9	3.0	2.4	.6	.3							7.2	7.2
WSW	1.5	2.3	2.1	.6	.2							6.7	6.7
W	1.5	4.5	4.0	1.7								11.7	6.9
WNW	.6	.8	.1	.2								1.7	5.3
NW	.8	.5	.5	.7								2.4	6.7
NNW	.3	.5	.5	.2								1.5	6.5
VARBL	.9	.5	.1									1.5	2.9
CALM												17.4	
	19.2	33.4	23.2	6.2	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 869

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (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	1.7	1.6	1.3	.2								4.8	5.2
NNE	1.3	1.4	1.0	.3								4.0	5.5
NE	.6	1.4	1.4	.1								3.6	5.9
ENE	1.5	3.1	4.1	1.6								10.3	7.1
E	2.6	6.5	7.3	.9								17.2	6.4
ESE	.4	.5										1.0	3.3
SE	.8											.8	2.1
SSE	.8	1.0	.1									1.8	3.9
S	1.6	1.4	.9	.2								4.1	5.0
SSW	.5	1.5	1.8	.9	.2							5.0	8.0
SW	.8	1.2	3.0	1.0	.4	.1						6.5	8.8
WSW	1.2	2.2	3.6	1.2	.2							8.3	7.5
W	.8	3.4	3.1	1.0	.2							8.5	7.4
WNW	1.0		.6	.4	.1							2.2	7.2
NW	.3	.3	.4	.6								1.7	8.3
NNW	.3	.6	.8	.5								2.3	7.7
VARBL	1.3	.4	.1	.3								2.2	4.3
CALM												15.9	
	17.4	26.6	29.5	9.3	1.2	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 929

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (MONTH)

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

(CONDITION)

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	1.2	.2								2.9	6.5
NNE	.2	.4	1.6	.1								2.4	7.7
NE	.3	.4	.6	.9								2.4	8.3
ENE	.8	1.6	2.9	1.6								7.1	8.2
E	1.8	4.2	5.5	2.9								14.4	7.5
ESE	.3	.9	.4									1.6	5.9
SE	.4	1.0	.2	.2								1.8	5.6
SSE	.9	.8	.2	.1								1.9	4.6
S	1.2	.9	1.6	.8								4.4	6.7
SSW	1.0	1.7	2.3	2.0	.2							7.2	8.3
SW	.4	1.4	3.0	1.8	.3	.3						7.3	9.7
WSW	1.1	2.2	5.3	1.6	.2							10.3	8.0
W	.6	2.3	3.1	2.6	.1							8.7	8.8
WNW	.5	1.5	.6	.3	.1							3.1	6.5
NW	.5	.3	1.3	.3								2.5	7.5
NNW	.2	1.2	.9	1.1	.1							3.4	8.8
VARBL	3.3	3.1	4.0	2.5	.4							13.3	7.2
CALM												5.2	
	14.3	24.6	34.8	19.2	1.5	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (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	1.1	1.9	.6								4.2	7.7
NNE	.6	1.4	1.3	.4								3.8	6.7
NE		.3	.5	.5								1.4	9.5
ENE	.4	1.5	2.4	1.1	.2							5.6	8.3
E	.4	1.5	3.5	2.7	.3							8.5	9.7
ESE	.2	.8	.5	.1								1.6	6.1
SE	.3	1.4	.2	.1								2.0	5.4
SSE	.2	.3	.3	.2								1.1	6.9
S	.6	1.4	1.6	.9	.1							4.6	7.6
SSW	.6	1.1	2.7	1.8	.1							6.3	9.0
SW	.1	1.6	4.4	3.3	.5	.1						10.1	10.2
WSW	.5	1.6	3.5	2.9	.4	.2	.2					9.5	10.4
W	.6	2.2	2.8	2.9	.3							8.8	9.2
WNW	.4	1.1	1.4	1.5	.1							4.5	9.0
NW		.4	1.3	.8	.1							2.6	9.8
NNW	.4	.6	.4	.2								1.7	6.1
VARBL	2.7	4.5	9.0	3.3	.9	.1						20.5	7.9
CALM												3.1	
	6.9	22.8	38.0	23.4	3.1	.4	.2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AA 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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (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	1.4	1.8	.6								4.6	7.3
NNE	.6	1.3	1.7	.6								4.3	6.8
NE	.1	.8	.6	.1								1.6	6.7
ENE	.3	1.8	2.5	1.3	.1							6.0	8.1
E	.3	2.4	3.6	2.3								8.5	8.5
ESE	.8	.8	.8	.2								2.5	5.8
SE	.4	.3	.4									1.2	5.3
SSE	.2	1.0	.5									1.7	5.8
S	1.0	1.1	2.5	.4								5.0	6.6
SSW	.1	1.2	2.6	.8	.1							4.7	8.8
SW	.3	2.0	4.3	2.7	.4	.1						9.9	9.5
WSW	.4	1.5	3.4	3.1	.6	.3						9.5	10.6
W	.9	1.1	3.7	2.7	.1	.1						8.5	9.4
WNW	.4	.8	2.4	.6	.1							4.3	8.6
NW	.1	1.1	1.3	.6	.1							3.2	8.5
NNW	.4	.9	1.5	1.2	.1							4.1	9.0
VARBL	1.8	3.9	6.1	3.6	.5							15.9	8.2
CALM												4.4	
	9.0	23.1	39.7	20.9	2.3	.5						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	1.0	2.4	2.9	.2								6.5	6.4
NNE	.8	.8	1.9	.2								3.7	6.7
NE	.5	1.8	1.3	.4	.1							4.2	6.8
ENE	1.4	2.6	2.5	1.5	.1							8.1	7.4
E	2.2	5.2	3.8	.5								11.6	5.8
ESE	1.0	1.7	.8	.1								3.5	5.1
SE	.5	.9	.8									2.2	5.5
SSE	.8	.8	.2									1.7	3.9
S	1.4	1.3	1.3	.2								4.2	5.3
SSW	.2	1.9	1.9	1.2								5.3	7.9
SW	.9	2.7	2.8	1.3	.2							7.8	7.6
WSW	.3	2.0	3.4	1.5	.3							7.6	8.5
W	.6	2.7	4.8	2.8	.4							11.5	8.7
WNW	.4	.5	1.6	.5	.1							3.2	8.1
NW	.6	.8	.4	1.2								3.0	8.0
NNW	.4	.6	1.4	1.2	.2							3.9	8.9
VARBL	1.5	1.8	1.0	.2								4.5	5.2
CALM												7.5	
	14.6	30.4	32.8	13.1	1.5							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-70,72-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	1.9	1.1									5.0	4.4
NNE	1.7	2.3	.5									4.4	4.2
NE	1.1	3.9	1.0	.1								6.1	5.1
ENE	1.9	5.1	2.3	1.4	.1							10.9	6.3
E	4.1	8.1	1.0									13.1	4.4
ESE	.7	1.1	.5									2.3	4.3
SE	1.2	.4										1.6	3.0
SSE	1.0	.2										1.2	2.8
S	1.2	1.4	.7	.2								3.6	5.3
SSW	.4	3.6	1.6	1.2								6.7	7.0
SW	.2	4.1	2.9	.7								7.9	6.9
WSW	.7	2.9	4.1	.7	.1							8.5	7.5
W	1.4	2.9	3.2	1.7	.1							9.3	7.3
WNW	.8	1.3	1.3	.2	.1							3.8	6.8
NW	.4	1.2	.4	.4								2.3	6.1
NNW	1.6	.5	.5	.2								2.7	4.7
VARBL	.2			.1	.1							.5	9.8
CALM												10.2	
	20.5	40.9	20.8	7.0	.6							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 837

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.6	1.6	.3								4.7	5.8
NNE	1.0	1.4	1.3	.3								3.9	5.8
NE	.6	1.5	.9	.3	.0							3.4	6.0
ENE	1.4	3.5	2.9	1.3	.1							9.3	6.9
E	2.0	5.3	3.9	1.2	.0							12.4	6.5
ESE	.3	.8	.4	.1								1.8	5.0
SE	.6	.6	.2	.1								1.5	4.6
SSE	.6	.7	.2	.0								1.6	4.4
S	1.0	1.2	1.3	.4	.0							4.0	6.1
SSW	.5	1.7	2.1	1.2	.1							5.5	7.1
SW	.5	2.2	3.3	1.6	.3	.1						7.9	8.6
WSW	.8	2.1	3.5	1.6	.3	.1	.0					8.4	8.5
W	1.0	2.8	3.5	2.1	.2	.0						9.6	8.0
WNW	.7	.9	1.3	.5	.1							3.4	7.4
NW	.4	.7	.8	.6	.0							2.4	7.7
NNW	.5	.7	.8	.6	.1							2.7	7.8
VARBL	1.6	1.9	2.6	1.3	.3	.0						7.6	7.3
CALM												9.8	
	15.0	29.5	30.7	13.4	1.4	.2	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7190

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-70,72-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	3.2	.9	.1								7.8	4.2
NNE	2.	2.1	1.9									6.0	4.7
NE	1.1	4.7	1.1									6.9	4.9
ENE	3.3	5.4	1.5									10.2	4.5
E	3.5	3.7	.9									8.0	4.2
ESE	.1	.5										.6	4.8
SE	.5	.5										1.0	3.6
SSE	.7	.7										1.5	3.5
S	.6	1.4	.7									2.7	5.1
SSW	.6	.9	.7	.9	.1							3.2	8.2
SW	1.0	1.2	1.5	.9								4.6	6.9
WSW	.7	2.5	3.3	.7								7.3	7.2
W	1.1	2.8	3.0	.5								7.4	6.3
WNW	1.1	2.0	1.1	.6								4.8	6.1
NW	1.0	1.1	.5									2.6	4.7
NNW	1.7	.9	.2									2.8	3.6
VARBL	1.0											1.0	2.0
CALM												21.5	
	24.3	33.6	16.8	3.7	.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 810

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	1.9	1.0	.1								6.6	3.9
NNE	3.3	2.4	1.4									7.2	4.3
NE	1.5	3.2	1.1									5.8	4.7
ENE	3.1	5.2	1.8	.1								10.3	4.6
E	2.1	3.7	1.0									6.8	4.3
ESE	.5	.2	.1									.8	3.7
SE	.4	.4										.7	3.0
SSE	.4	1.1	.2									1.7	4.5
S	.7	.7	.1	.4								1.9	5.6
SSW	.8	1.4	.8	.8								3.7	6.5
SW	1.1	1.2	2.0	1.1								5.4	7.1
WSW	1.2	2.5	2.4	.6								6.7	6.6
W	1.9	3.2	3.7	.1								8.9	5.7
WNW	1.1	.8	.4	.1								2.4	4.7
NW	1.5	1.0	.6	.2								3.3	4.9
NNW	1.4	1.1	.1									2.6	3.5
VARBL	1.7	.1	.1									1.9	2.7
CALM												23.4	
	26.2	30.2	16.2	3.3								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 839

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	2.6	2.3	1.3	.3								6.8	4.9
NNE	2.4	1.1	1.2									4.8	4.1
NE	1.3	2.0	1.4									4.8	5.2
ENE	2.1	4.8	3.6	.2								10.7	5.7
E	3.9	3.8	3.4	.2								11.3	5.0
ESE	1.1	.1	.1									1.3	2.6
SE	.6	.3										1.1	2.7
SSE	.1	.7	.1									.9	5.3
S	.7	.9	.6	.3								2.4	5.8
SSW	.4	.2	1.7	.8	.1							3.2	8.8
SW	.4	.9	4.0	.7								6.0	7.9
WSW	1.6	3.2	2.6	1.1								8.4	6.7
W	1.9	3.9	3.0	1.0								9.8	6.4
WNW	1.0	1.8	1.2	.3								4.3	5.6
NW	.8	.9	.6									2.2	5.2
NNW	.7	1.2	.3									2.2	4.4
VARBL	1.3	.3	.6	.5								2.8	6.0
CALM												16.9	
	23.3	28.4	25.7	5.6	.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUN (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	1.8	1.6	.4								4.7	6.5
NNE	.8	1.6	.9	.1								3.3	5.4
NE	.7	1.0	1.1	.1								2.9	6.1
ENE	1.4	2.1	2.9	1.1								7.6	6.8
E	3.1	4.7	4.4	1.0								13.2	6.2
ESE	.6	.8	.2									1.6	4.4
SE	.9	.7										1.6	3.4
SSE	.3	.4										.8	3.4
S	1.1	.6	1.6	.3								3.6	6.5
SSW	.3	1.2	1.9	1.3								4.8	8.8
SW	.8	1.0	3.0	1.8	.4							7.0	9.2
WSW	.9	2.7	3.0	2.7	.3							9.6	9.8
W	1.4	3.2	4.6	1.4	.2							10.9	7.3
WNW	.3	1.2	1.4	.2								3.2	6.8
NW	.4	1.3	1.1	.1								3.0	6.3
NNW	.4	.8	1.0	.1								2.3	6.5
VARBL	3.8	2.1	6.8	2.6	.1							15.3	7.0
CALM												4.8	
	18.2	27.1	35.4	13.3	1.1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 59-78 (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	.7	1.6	2.2	.8	.1							5.3	7.5
NNE	.2	1.1	1.1	.1								2.6	6.4
NE	.1	.8	.9	.2								2.0	7.2
ENE	1.2	1.6	1.9	1.7								6.3	7.5
E	1.0	1.9	2.6	1.4								6.9	7.7
ESE	.9	.4	.4									1.8	4.3
SE	.1	.2	.7	.1								1.1	8.0
SSE	1.0	.8	.3	.1								2.2	4.9
S	.8	1.6	1.8	.2								4.3	6.5
SSW	.7	1.3	1.9	1.4								5.3	8.2
SW	.3	1.0	1.8	3.0	.3	.1						6.6	10.8
WSW	.4	1.4	2.7	3.8	.6	.1						9.0	10.8
W	1.1	1.9	3.2	4.9	.3							11.4	9.6
WNW	.3	1.4	1.4	.3								3.6	6.7
NW	.9	1.1	1.2	.6								3.8	6.9
NNW	1.1	1.2	1.3	.2								3.9	5.9
VARBL	3.0	3.3	11.0	4.0	.3							21.7	8.1
CALM												2.2	
	13.9	22.7	36.4	22.9	1.7	.2						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

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)

34049 (STATION) BITBURG AB GERMANY (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	.4	1.4	2.7	.7								5.2	8.0
NNE	1.1	1.8	2.3	.8								6.0	6.9
NE	.3	1.2	1.3	.4								3.3	7.4
ENE	1.0	1.1	3.0	1.0	.1							6.2	7.8
E	1.2	2.3	2.6	1.2								7.3	7.1
ESE	.8	.7	.4									1.9	4.6
SE	.2	.8	.4									1.4	5.5
SSE	.4	.2	.1									.8	4.1
S	1.1	.8	2.2	.6								4.7	7.1
SSW	.3	1.3	2.3	.8								4.8	7.9
SW	.3	1.2	1.7	2.6	.7							6.5	10.4
WSW	.4	1.7	2.6	3.6	.2	.1						8.6	10.1
W	.9	3.1	4.8	3.8	.3							12.9	9.1
WNW	.6	1.4	1.8	.3	.1							4.2	6.8
NW	.4	1.6	1.1	.3	.2	.1						3.8	7.8
NNW		1.1	2.1	.4								3.7	7.6
VARBL	2.1	2.9	7.2	3.2	.7	.1						16.2	8.4
CALM												2.4	
	11.8	24.7	38.7	19.7	2.3	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUN (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	1.7	3.0	3.6	.1								8.3	6.1
NNE	.8	2.0	4.2	.6								7.6	7.3
NE	.2	1.9	2.6	.2								4.9	7.1
ENE	.8	2.8	2.3	.4	.1							6.4	6.6
E	1.9	3.3	1.8	.3								7.3	5.3
ESE	1.0	1.0	.2									2.2	3.8
SE	.3	.4	.1									.9	4.8
SSE		.6	.2									.8	5.9
S	.9	1.4	.7	.1								3.1	5.2
SSW	.3	1.1	1.6	.9	.1							4.0	8.1
SW	.8	1.7	2.4	.9	.2							6.0	7.5
WSW	.8	2.6	3.9	2.2								9.4	8.2
W	1.1	3.4	4.6	2.4	.3							11.9	8.1
WNW	.3	1.0	2.3	.8	.1							4.6	8.6
NW	.8	1.6	1.7	.1								4.1	6.1
NNW	.9	2.8	2.2	.8								6.7	6.5
VARBL	2.1	.2	1.4	1.2								5.0	6.7
CALM												6.8	
	14.7	30.8	35.8	11.1	.9							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (C -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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.3	3.1	1.0									6.4	4.3
NNE	2.1	5.3	1.2	.4								9.0	5.0
NE	.6	4.2	1.8	.5								7.2	5.9
ENE	2.2	5.7	.7									8.6	4.4
E	4.1	3.1	.4									7.5	3.6
ESE	1.0	.9										1.8	3.1
SE	.7	.5										1.2	3.1
SSE	.6	.6										1.2	3.4
S	.5	1.2	.7	.1								2.6	5.6
SSW	.5	2.1	1.0	.7								4.3	6.6
SW	.7	1.8	3.2	.7		.1						6.7	7.7
WSW	1.0	2.5	2.1	1.8								7.4	7.7
W	2.2	4.6	2.7	.4								9.9	5.8
WNW	.9	1.6	.4	.2								3.1	5.3
NW	1.1	.9	1.2	.1								3.3	5.6
NNW	2.3	1.8	.5									4.6	3.8
VARBL	1.8		.2									2.1	2.9
CALM												13.1	
	24.8	39.8	17.1	5.1		.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 811

USAFETAC FORM JUL 64 0-8-3 (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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	2.3	1.8	.3	.0							6.4	5.6
NNE	1.6	2.1	1.7	.2								5.7	5.5
NE	.7	2.3	1.4	.2								4.7	5.8
ENE	1.9	3.5	2.2	.6	.0							8.2	5.8
E	2.6	3.3	2.2	.5								8.6	5.5
ESE	.7	.6	.2									1.5	3.9
SE	.5	.5	.2	.0								1.1	4.3
SSE	.4	.6	.1	.0								1.2	4.4
S	.8	1.1	1.1	.3								3.2	6.1
SSW	.5	1.2	1.5	.9	.0							4.2	7.9
SW	.7	1.3	2.5	1.5	.2	.0						6.1	8.6
WSW	.9	2.4	2.8	2.1	.1	.0						8.3	8.4
W	1.5	3.3	3.7	1.9	.2							10.4	7.5
WNW	.7	1.4	1.3	.4	.0							3.8	6.5
NW	.9	1.2	1.0	.2	.0	.0						3.3	6.1
NNW	1.0	1.4	1.0	.2								3.6	5.5
VARBL	2.1	1.2	3.5	1.5	.1	.0						8.5	7.3
CALM												11.1	
	19.5	29.5	28.2	10.8	.8	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 6959

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.4	2.4	.7									6.4	3.5
NNE	2.4	2.1										4.5	3.4
NE	1.5	1.5										3.1	3.5
ENE	2.8	2.4	.9	.1								6.2	4.2
E	1.4	6	.8									8.4	4.7
ESE	.1	.4										.5	3.8
SE	.1	.3										.4	4.5
SSE	.3	.1										.4	3.0
S	.9	.3	.3									1.5	4.1
SSW	.2	.5	.8	.5	.1							2.2	8.8
SW	.5	3.3	3.5	.4								7.7	6.7
WSW	1.0	4.2	3.8	.8								9.8	6.7
W	2.2	4.1	4.1	1.6								12.1	6.8
WNW	2.0	.8	.2	.1								3.1	3.4
NW	2.2	1.3	.7	.4								4.6	4.6
NNW	2.0	1.2	.4	.2								3.8	4.3
VARBL	1.0	.7	.3	.1	.1							2.2	4.9
CALM												23.1	
	24.0	31.9	16.4	4.4	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 918

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.7	3.5	.3									7.5	3.6
NNE	1.4	1.5	.1									3.0	3.5
NE	1.1	1.2	.1									2.4	3.5
ENE	2.6	3.4	1.1									7.1	4.3
E	2.9	3.8	1.2									7.9	4.3
ESE	.2	.1	.1									.4	3.5
SE	.3	.2										.5	3.4
SSE	.2	.2	.2									.7	5.2
S	.7	.1	.7	.1								1.5	6.0
SSW	.9	1.4	1.2	.9								4.3	6.8
SW	.8	2.6	2.2	.1								5.6	6.1
WSW	1.4	3.5	5.3	1.3								11.5	7.2
W	1.7	3.8	3.8	.9								10.2	6.5
WNW	1.5	1.2	.5	.1								3.4	4.4
NW	1.5	.9	.4									2.8	3.8
NNW	1.5	1.4	.4	.2								3.6	4.5
VARBL	.8	.3	.2									1.3	4.1
CALM												25.2	
	23.2	29.1	17.9	3.6								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (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	3.3	2.4	1.2	.2								7.1	4.5
NNE	1.3	1.2	.8									3.3	4.5
NE	.9	1.0	.4									2.3	4.6
ENE	2.8	3.7	1.7	.1								8.4	4.8
E	2.8	5.1	2.3									10.2	5.0
ESE	.4	.1										.5	3.2
SE	.2	.1										.3	3.0
SSE	.2	.3										.5	3.4
S	.8	.4	.2	.1								1.5	4.5
SSW	.4	.9	1.4	.7	.2							3.6	8.4
SW	.8	2.0	3.8	.8	.1							7.4	7.5
WSW	1.1	4.5	4.1	2.5								12.2	7.6
W	1.8	2.3	4.7	1.2								10.0	6.9
WNW	1.7	2.4	.3	.2								4.7	4.7
NW	2.1	.7	.8									3.5	3.9
NNW	1.8	.8	.4									3.0	3.7
VARBL	2.1	.4	.3	.1								2.9	3.6
CALM												18.7	
	24.5	28.1	22.5	5.9	.3							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (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	.8	2.4	1.3									4.5	5.6
NNE	.5	1.2	1.2	.2								3.1	6.2
NE	.5	1.1	.7	.1								2.4	5.5
ENE	.4	2.4	1.0	.4								4.2	6.1
E	2.1	3.3	2.6	.1								8.0	5.5
ESE	.8	1.3	.2									2.3	4.3
SE	.4	.5	.2									1.2	4.8
SSE	.9	.5	.1									1.5	3.6
S	.4	.9	1.0									2.3	5.8
SSW	.7	1.2	.9	.8	.1							3.6	7.7
SW	.8	1.7	3.8	.8	.4	.3						7.8	8.8
WSW		2.6	5.4	4.3	.5							12.9	10.0
W	.8	5.2	6.2	2.8								15.0	7.9
WNW	1.5	1.0	1.5	.5								4.6	6.1
NW	.8	.8	.4									2.0	4.7
NNW	.8	1.5	.7	.3								3.3	5.7
VARBL	4.6	5.3	3.9	1.3								15.1	5.6
CALM												6.3	
	16.6	32.9	31.1	11.7	1.1	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 921

USAFETAC FORM 0-5-5 (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)

34049 (STATION) BITBURG AB GERMANY (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	1.5	2.1	1.2	.2								5.0	5.5
NNE	.4	2.4	.7	.2								3.7	5.7
NE	.2	.9	.4	.1								1.6	6.1
ENE	.8	2.0	.8	.2								3.7	5.7
E	1.0	1.3	1.1									3.4	5.3
ESE	.2	1.1	.1									1.4	4.8
SE	.2	.5	.2									1.0	5.1
SSE	.4	1.0										1.4	4.3
S	.3	.8	1.3	.7								3.0	7.9
SSW	.3	1.6	1.6	.9	.2							4.7	8.2
SW	.4	1.7	4.1	2.0	.2	.1						8.6	9.2
WSW	.3	1.6	4.7	6.0	.7							13.2	10.9
W	1.1	2.9	5.5	4.8	.7	.1						15.1	9.5
WNW	.2	1.2	2.3	.5		.1						4.3	8.2
NW	.4	1.0	1.3	.3	.1							3.1	7.4
NNW	.5	1.3	1.4	.3								3.6	6.6
VARBL	4.2	5.8	8.3	2.3	.2							20.7	6.7
CALM												2.4	
	12.7	29.1	35.0	18.5	2.1	.3						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 921

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUL (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	2.6	2.9	.5	.1							7.1	6.9
NNE	.7	1.6	.8	.2								3.3	5.7
NE	.8	1.1	.5	.1								2.5	5.1
ENE	.5	1.3	1.0	.4								3.3	6.7
E	1.2	1.8	1.0									4.0	4.8
ESE	.2	1.0	.3									1.5	5.2
SE	.4	.4	.1									1.0	4.4
SSE	.3	.5	.4									1.3	5.2
S	.4	1.3	.9	.3								2.9	6.4
SSW	.5	1.1	1.4	.3	.2							3.6	7.6
SW	.4	1.6	2.5	2.4	.1							7.1	9.3
WSW	.8	1.1	5.0	5.6	.2							12.7	10.2
W	1.1	2.3	8.0	6.3	1.1	.1						18.9	10.1
WNW	.3	1.3	1.8	.9	.1	.2						4.7	9.1
NW	.2	.2	1.5	.7								2.6	9.0
NNW	.7	1.2	2.5	.7								5.0	7.1
VARBL	4.1	4.6	5.1	2.7	.1							16.6	6.8
CALM												2.1	
	13.6	25.1	35.8	21.2	2.0	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 921

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	2.8	3.9	3.5	.2								10.4	5.5
NNE	.7	2.9	1.6									5.2	5.8
NE	.9	1.4	.4									2.7	4.6
ENE	.9	3.0	.8									4.7	5.0
E	2.5	1.6	.5									4.7	3.7
ESE	.7	.4	.2			.1						1.4	5.5
SE	.8	.3										1.1	3.4
SSE	.3	.5										.9	3.6
S	.7	1.2	.8	.2								2.8	6.0
SSW	.7	1.3	.9	.5								3.4	6.8
SW	.7	2.4	2.2	1.1								6.3	7.2
WSW	.9	2.9	5.1	3.2	.1							12.2	8.5
W	1.0	5.4	6.9	2.9	.3							16.5	8.0
WNW	.3	2.1	1.6	.4	.2							4.7	7.7
NW	.5	1.5	2.1	.9								5.2	7.2
NNW	1.2	2.2	3.2	.7								7.2	6.6
VARBL	1.0	2.0	1.6	.3	.3	.2						5.4	7.5
CALM												5.1	
	16.5	35.3	31.3	10.4	1.0	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 2100-2200 (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	4.3	.9									7.9	4.3
NNE	2.2	3.4	.7									6.2	4.2
NE	2.2	2.5	.4									5.1	4.0
ENE	2.	2.6	.5	.1								5.7	4.1
E	2.5	2.5	.1									5.1	3.6
ESE	.9	.5										1.4	3.4
SE	.7	.3										1.0	3.3
SSE	.2	.7										.9	4.0
S	.7	1.6	.7									3.0	5.1
SSW	.8	1.4	.7	.2								3.1	5.4
SW	1.2	2.8	3.0	.7								7.7	6.8
WSW	.8	4.0	4.4	1.0	.1							10.3	7.1
W	2.4	5.5	3.4	1.4	.1							12.8	6.3
WNW	1.4	2.2	.7	.1	.1							4.5	4.8
NW	1.7	2.1	.4	.3								4.6	4.8
NNW	2.7	1.5	1.0	.2								5.5	4.5
VARBL	.1	1.1	.1	.1								1.4	5.7
CALM												14.0	
	25.6	39.1	16.8	4.2	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 915

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	2.4	2.9	1.5	.1	.0							7.0	4.9
NNE	1.2	2.0	.7	.1								4.0	4.8
NE	1.0	1.3	.4	.0								2.8	4.5
ENE	1.7	2.6	1.0	.2								5.4	4.9
E	2.1	3.2	1.2	.0								6.5	4.7
ESE	.4	.6	.1			.0						1.2	4.4
SE	.4	.4	.1									.8	4.1
SSE	.4	.5	.1									1.0	4.1
S	.6	.8	.7	.2								2.3	5.9
SSW	.6	1.2		.6	.1							3.5	7.5
SW	.7	2.3		1.0	.1	.1						7.3	7.8
WSW	.8	3.1		3.1	.2							11.9	8.7
W	1.5	3.9	5.2	2.7	.3	.0						13.8	8.0
WNW	1.1	1.5	1.1	.4	.1	.0						4.2	6.2
NW	1.2	1.0	1.0	.3	.0							3.5	5.7
NNW	1.4	1.4	1.3	.3								4.4	5.5
VARBL	2.2	2.5	2.5	.9	.1	.0						8.2	6.2
CALM												12.2	
	19.6	31.3	25.9	10.0	.9	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7357

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.0	2.6	.4									6.0	3.8
NNE	1.8	3.4										5.1	3.8
NE	1.0	2.6	.1									3.7	4.0
ENE	3.0	8.8	2.0	.1								13.8	4.9
E	2.3	6.2	.9									9.4	4.4
ESE	.7	.4										1.1	3.5
SE	.4	.4		.1								1.0	4.0
SSE	.5	.5	.3									1.4	4.3
S	.8	1.8	.8	.2								3.5	5.3
SSW	.4	1.2	.8	.2								2.6	6.1
SW	.3	2.3	2.5	.1								5.3	6.3
WSW	.9	2.1	3.5	.5								7.0	6.7
W	2.1	2.4	2.2	.1	.1							6.9	5.3
WNW	1.9	.9	.1									2.8	3.1
NW	1.2	.3	.7									2.2	4.3
NNW	2.4	1.1	.3									3.8	3.5
VARBL	.8	.2	.1									1.1	3.1
CALM												23.1	
	23.3	37.3	14.7	1.4	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 913

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	2.5	.4									5.7	3.7
NNE	1.8	1.9	.1									3.7	3.4
NE	1.6	2.1	.8									4.5	4.4
ENE	4.4	6.9	2.8									4.1	4.7
E	2.2	4.8	1.6	.1								8.8	4.9
ESE	.5	.2										.8	2.9
SE	.2	.1	.1									.4	4.0
SSE	.6	.3										1.1	3.1
S	.7	1.0	.4									2.1	4.7
SSW	.2	1.3	1.6	.3								3.5	7.0
SW	.3	.9	2.1	.9								4.6	7.9
WSW	.7	2.8	3.4	.3								7.2	6.4
W	.8	2.8	2.2	.2								6.0	6.0
WNW	1.3	.7	.5	.1								2.6	4.5
NW	1.2	.9	.9									3.0	4.7
NNW	1.5	1.0										2.5	3.0
VARBL	1.0	.1	.1									1.2	2.8
CALM												28.1	
	22.3	30.3	17.2	2.0								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 913

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) AUG (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	1.4	.8	.2								5.6	3.9
NNE	1.9	1.6	.9									4.4	4.2
NE	1.2	1.1	.7									3.0	4.4
ENE	3.1	5.8	3.7	.3								12.9	5.4
E	2.8	4.6	3.4	.4								11.3	5.5
ESE	.4	.5	.1									1.1	4.0
SE	.3	.1	.1									.5	3.6
SSE	.5	.5	.1									1.2	3.7
S	.3	1.1	.7	.2								2.3	6.0
SSW	.5	.9	.9	.7								3.0	7.3
SW	1.0	2.0	1.6	1.3								5.9	7.4
WSW	.7	3.2	3.5	1.5								8.9	7.5
W	1.6	2.4	2.6	.3								7.0	5.9
WNW	1.0	1.4	.4									2.8	4.5
NW	1.5	1.5	.4	.2								3.7	4.4
NNW	1.6	.7	.1									2.4	3.1
VARBL	1.6	.5	.1	.1								2.4	3.5
CALM												21.7	
	23.4	29.4	20.1	5.4								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 915

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

22174

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	1.9	1.3	1.5									4.7	5.2
NNE	.2	1.2	1.0									2.7	5.6
NE	.4	.3	.3									1.1	4.2
ENE	1.1	1.5	2.3	.4								5.6	6.5
E	2.4	6.3	8.0	1.2								17.9	6.6
ESE	.7	1.6	.4	.2								3.0	5.3
SE	.3	.4										.8	3.4
SSE	1.0	.7	.3									2.0	3.9
S	.3	1.2	.9	.3								2.7	6.2
SSW	.5	.8	1.9	2.2								5.4	9.6
SW	.7	2.5	2.2	1.5	.1							7.0	7.9
WSW	1.6	2.5	3.7	3.0	.5							11.4	8.7
W	1.2	2.7	2.6	1.0								7.5	7.1
WNW	1.2	.5	.7	.2								2.6	5.2
NW	.8	.4	1.4	.4								3.1	7.0
NNW	.9	1.2	1.1	.3								3.5	6.2
VARBL	2.8	2.1	5.5	1.5	.1							12.0	7.1
CALM												7.0	
	16.4	27.5	34.0	12.4	.8							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 914

USAFETAC FORM JUL 64 0-8-5 (CL-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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) AUG (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	1.0	1.7									4.4	5.7
NNE	.9	.5	1.1	.2								2.7	6.0
NE	.5	1.0	.3									1.9	4.9
ENE	.4	2.0	1.5	.5								4.5	7.0
E	.5	3.4	3.5	.9	.1							8.4	7.3
ESE	.3	1.1	1.0									2.4	6.0
SE	.8	.8	.4	.1								2.1	4.8
SSE	.8	.8	.3									1.9	4.4
S	.5	1.4	2.0	.7								4.6	7.2
SSW	1.0	1.1	2.0	1.9	.1							6.0	8.7
SW	.5	1.0	2.0	1.7	.2							5.5	9.2
WSW	.5	1.5	3.8	4.7	.7							11.3	10.3
W	.9	1.7	3.2	3.5	.3							9.6	9.3
WNW	.8	1.4	.9	.8								3.8	6.8
NW	.2	.5	.7	.9	.1							2.4	9.6
NNW	.4	.8	1.7	.1								3.1	6.9
VARBL	2.4	4.9	9.4	3.6								20.3	7.6
CALM												5.2	
	12.3	25.8	35.5	19.6	1.5							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 915

USAFETAC FORM AA 64 0-5-5 (CL-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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.2	2.6	.1								5.6	6.5
NNE	.3	.9	1.7	.2								3.2	7.3
NE	.3	1.6	1.0									3.0	5.6
ENE	1.3	2.0	3.3	.7								7.2	6.7
E	.8	2.5	3.7	.7								7.7	7.2
ESE	.5	1.2	.8									2.5	5.3
SE	.2	.5	.9									1.6	5.9
SSE	.7	1.2	.4									2.3	4.8
S	.4	1.3	1.2	.6								3.7	7.6
SSW	.3	2.0	1.5	2.1	.4							6.3	9.1
SW	.2	.5	3.0	2.3	.1							6.2	9.6
WSW	.7	1.7	2.6	4.9	.2							10.2	10.0
W	.7	2.5	3.8	4.4	.2							11.6	9.3
WNW	.8	1.2	.9	1.1								3.9	7.5
NW	.4	1.4	1.3	.9	.1							4.2	7.8
NNW	.7	1.1	1.5	.3								3.6	6.8
VARBL	2.3	3.3	6.8	2.3								14.6	7.3
CALM												2.6	
	11.4	27.2	37.0	20.7	1.1							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 915

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	3.0	3.7	2.2	.2								9.1	5.0
NNE	.7	2.4	2.1	.3								5.5	6.3
NE	.9	2.9	.5		.1							4.4	5.0
ENE	.8	4.5	1.0	.2								6.5	5.4
E	3.1	4.0	3.7	.1								10.9	5.3
ESE	1.3	1.8	.2									3.3	3.9
SE	.3	1.0	.3									1.6	5.2
SSE	1.1	.8	.1									2.0	3.6
S	1.2	1.1	.8	.1								3.2	4.8
SSW	.5	2.0	1.6	.8	.1							5.0	7.4
SW	1.4	1.8	4.0	.8								7.9	6.9
WSW	.5	2.0	4.0	1.3								7.8	8.2
W	1.4	3.4	3.5	2.6		.1						11.1	7.8
WNW	.7	1.4	1.1	.2								3.4	6.1
NW	.8	1.0	1.4	.3								3.5	6.7
NNW	1.2	2.6	1.5	.3								5.7	5.8
VARBL	1.5	.2	.8	.3								2.9	5.4
CALM												6.3	
	20.4	36.4	28.9	7.7	.2	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.0	4.3	.6									8.8	3.7
NNE	2.2	2.1	.4									4.7	4.1
NE	2.2	3.2	1.1									6.5	4.6
ENE	3.0	5.3	1.5	.1								9.9	4.6
E	5.0	5.2	1.0	.1								11.2	3.9
ESE	.6	.8										1.5	3.6
SE	1.0	.7										1.7	2.9
SSE	1.1	1.1	.3									2.5	4.3
S	.8	1.5	.4									2.8	4.5
SSW	1.0	1.1	1.4	.1								3.6	5.6
SW	.3	2.4	3.2	.6	.1							6.6	7.1
WSW	.6	2.2	3.7	.6								7.3	7.1
W	1.6	2.0	2.2	.1								6.1	5.2
WNW	1.1	1.1	.6									3.4	3.9
NW	1.5	1.4	.8	.1								3.9	4.4
NNW	2.1	1.0	.6									3.6	3.8
VARBL	1.0	.1										1.1	2.7
CALM												14.9	
	30.1	35.4	17.8	1.7	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 909

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)

34049 (STATION) BITBURG AB GERMANY (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	2.4	2.5	1.3	.1								6.2	4.6
NNE	1.2	1.8	.9	.1								4.0	5.0
NE	1.0	1.8	.6		.0							3.5	4.6
ENE	2.1	4.6	2.3	.3								9.3	5.4
E	2.4	4.6	3.2	.4	.0							10.7	5.6
ESE	.7	1.0	.3	.0								2.0	4.6
SE	.5	.5	.2	.0								1.2	4.4
SSE	.8	.7	.2									1.8	4.1
S	.6	1.3	.9	.3								3.1	6.0
SSW	.6	1.3	1.5	1.0	.1							4.4	7.9
SW	.7	1.7	2.6	1.1	.1							6.1	7.8
WSW	.8	2.3	3.5	2.1	.2							8.9	8.3
W	1.3	2.5	2.8	1.5	.1	.0						8.2	7.3
WNW	1.2	1.1	.6	.3								3.2	5.3
NW	1.0	.9	.9	.4	.0							3.2	6.1
NNW	1.4	1.2	.9	.1								3.5	5.1
VARBL	1.7	1.4	2.8	1.0	.0							7.0	6.9
CALM												13.6	
	20.2	31.2	25.7	8.8	.5	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 7305

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	1.9										5.1	3.1
NNE	1.7	1.8	.3									3.8	3.8
NE	1.8	2.0	.6									4.4	4.2
ENE	2.7	4.5	1.5									8.6	4.4
E	2.5	4.1	1.1									7.7	4.6
ESE	.9	.6	.1									1.6	3.7
SE	.9	.2		.1								1.2	3.2
SSE	.4	.3										.8	3.4
S	1.2	.8	.9	.2	.2							3.4	6.3
SSW	.8	1.6	2.3	.9	.3	.2						6.1	8.9
SW	.4	1.7	2.9	2.3	.4	.1						7.9	9.6
WSW	.6	2.2	4.5	3.0	.2							10.5	9.0
W	1.3	2.1	2.7	1.0								7.2	7.1
WNW	1.0	.6	.1	.1								1.8	3.8
NW	1.0	.3	.1									1.5	3.2
NNW	1.5	.6										2.0	3.2
VARBL	1.0	.1										1.1	2.1
CALM												25.4	
	22.9	25.4	17.1	7.7	1.2	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 895

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.7	2.7	.3									6.7	3.3
NNE	1.6	1.4	.2									3.2	3.9
NE	1.6	1.4	.3									3.3	3.6
ENE	1.4	5.0	1.6	.1								8.4	5.3
E	2.5	4.5	.9									7.8	4.4
ESE	.7	1.0	.1									1.8	3.8
SE	.2	.4										.7	4.5
SSE	.6	.8										1.3	3.7
S	1.0	1.2	.8	.2								3.2	5.3
SSW	1.0	1.3	1.7	.9	.4	.1						5.5	8.3
SW	1.4	2.3	3.2	3.3	.1	.2						10.7	8.9
WSW	.8	3.5	2.7	2.9	.2							10.0	8.4
W	1.7	1.6	2.7	.8								6.7	6.6
WNW	1.0	.3	.4	.1								1.9	4.8
NW	1.3	.1		.1								1.6	3.1
NNW	1.3	.1										1.4	2.4
VARBL	.9			.1								1.0	3.8
CALM												24.7	
	22.6	27.8	15.2	8.6	.8	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 897

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) SEP (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	3.9	2.0	.7									6.6	3.6
NNE	1.1	1.3	.4									2.9	4.3
NE	1.1	1.3	.2									2.7	3.9
ENE	3.1	4.3	2.3	.1								9.8	5.0
E	2.2	4.9	1.9									9.1	5.0
ESE	.3	.2										.6	3.4
SE	.4	.6										1.0	3.9
SSE	.6	.6										1.1	4.1
S	1.0	.6	1.7	.2	.1							3.6	6.6
SSW	.8	1.1	1.5	2.3	.1							5.8	9.2
SW	1.1	2.2	2.3	3.6	.1	.3						9.7	9.2
WSW	1.2	3.1	3.8	3.0	.6							11.7	8.5
W	.8	1.3	2.5	.8								5.4	7.2
WNW	1.1	.2	.4									1.8	3.9
NW	.9	.2	.1	.1								1.3	3.8
NNW	.7	.3	.1									1.1	3.4
VARBL	1.0	.2		.3								1.6	3.1
CALM												24.2	
	21.5	24.6	18.0	10.5	.9	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) SEP (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	.4	1.6	.6	.1								2.7	6.0
NNE	.7	1.0	.6	.2								2.5	5.3
NE	.9	.9	.9									2.7	5.5
ENE	2.1	2.8	4.2	.8								9.9	6.2
E	4.0	4.1	4.5	.3								12.9	5.5
ESE	.9	.2	.1									1.2	3.7
SE	.1	.2	.3									.7	5.2
SSE	1.0	.8	.8									2.6	4.4
S	1.0	.6	1.5	.4								3.6	7.0
SSW	.3	1.6	1.6	2.5	.3							6.2	10.1
SW	.4	1.2	3.0	3.7	.9							9.3	10.7
WSW	1.2	3.6	3.9	4.8	1.1	.1						14.7	9.5
W	1.8	2.7	3.2	1.0	.3							9.0	7.1
WNW	1.3	.6	1.1	1.0								4.0	6.4
NW	.8	.1	.2	.2								1.3	5.4
NNW	.2	.4	.6									1.2	6.0
VARBL	2.0	1.3	1.1	1.2	.3							6.0	6.9
CALM												9.4	
	19.3	23.7	28.1	16.4	3.0	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 896

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	1.2	.9	1.2									3.3	5.1
NNE	.6	.6	.9	.1								2.1	5.9
NE	.2	.7	1.7	.4								3.0	7.8
ENE	.9	1.6	3.1	.2								5.8	6.8
E	1.6	3.8	2.2	.1								7.7	5.6
ESE	.7	.7	.2									1.6	4.2
SE	.6	.7	.4	.1								1.8	5.2
SSE	.3	.6	.9									1.8	6.0
S	.4	1.0	1.3	.7	.3							3.8	8.4
SSW	.3	1.0	1.4	2.9	1.2	.1						7.0	11.8
SW	.6	1.3	3.8	2.9	.6	.1						9.3	10.3
WSW	.9	2.1	4.1	4.9	1.4	.3						13.8	10.8
W	1.4	3.2	3.5	2.5	.4							11.0	8.3
WNW	.4	1.1	2.0	.6								4.1	7.5
NW	.3	.4	.6	.7								2.0	7.9
NNW	.1	.6	1.0									1.7	7.0
VARBL	5.2	4.2	5.6	1.6	.9	.1						17.6	6.9
CALM												2.6	
	15.8	24.4	34.0	17.6	4.9	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) SEP (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	1.1	1.4	.1								3.0	6.6
NNE	.7	1.7	1.9									4.2	6.1
NE		1.1	1.1	.2								2.5	7.1
ENE	.6	2.0	3.3	.1								6.0	6.8
E	1.4	3.1	1.8									6.4	5.3
ESE	1.2	.9	.3									2.5	4.0
SE	.4	.3	.6	.1								1.4	5.8
SSE	.6	.9	.3									1.8	4.6
S	.9	1.2	2.2	.8	.3							5.5	8.0
SSW	.6	1.8	1.4	2.2	.9	.1						7.0	10.3
SW	1.8	1.4	3.1	3.0	.7	.1						10.1	9.1
WSW	.6	1.1	3.6	4.9	.6	.2						10.9	11.0
W	.8	1.9	3.8	4.1	.6	.1						11.3	9.9
WNW	.4	.8	1.9	1.6								4.7	8.9
NW	.4	1.0	1.8	.8								4.0	7.6
NNW	.8	1.1	1.4	.2								3.6	6.5
VARBL	4.0	3.1	3.2	1.0	.2							11.6	5.7
CALM												3.6	
	15.5	24.6	33.3	19.2	3.2	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	2.2	2.2	.7	.1								5.2	4.1
NNE	.9	2.8	.6									4.2	4.5
NE	.8	3.3	1.2	.1								5.5	5.4
ENE	1.9	2.5	.6	.1								5.0	4.2
E	2.6	3.7	1.2	.2								7.7	4.7
ESE	1.6	1.5	.4									3.5	4.0
SE	.9	.3										1.2	3.0
SSE	.7	.9	.2	.1								1.9	4.9
S	1.0	1.3	1.5	.8		.1	.1					4.8	7.6
SSW	1.1	1.8	2.3	1.2	.4	.3						7.3	8.5
SW	1.5	2.8	2.7	1.9	.6							9.4	8.0
WSW	1.2	2.1	4.8	3.3	.1							11.6	8.6
W	.8	1.2	3.1	1.9								7.0	8.3
WNW	1.5	1.8	.7	.9	.2							5.0	6.6
NW	.4	1.0	.8	.2								2.5	6.5
NNW	.8	1.2	1.0	.2								3.2	5.7
VARBL	1.1	.7	.2	.1	.1		.1					2.3	5.9
CALM												12.6	
	20.9	31.1	22.0	11.3	1.5	.4	.2					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 896

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.0	1.9	.4									5.4	3.6
NNE	1.6	2.5	.4									4.5	4.0
NE	1.7	3.3	.8									5.8	4.4
ENE	3.5	3.1	.7									7.2	3.9
E	4.1	5.6	1.2	.2								11.1	4.5
ESE	1.6	1.1	.1									2.8	3.4
SE	.8	.6	.1									1.4	3.2
SSE	1.2	.3	.3	.1								2.0	4.3
S	.4	1.7	.9	.2	.1	.2						3.6	7.6
SSW	.3	.6	2.5	1.0	.3							4.7	9.4
SW	.2	1.7	2.8	2.0	.7	.2						7.6	10.2
WSW	1.2	1.9	4.3	3.7								11.1	8.7
W	2.5	3.1	2.6	.9								9.0	6.0
WNW	1.4	.3	.6	.3								2.7	5.1
NW	.6	.7	.2	.1								1.6	4.9
NNW	.8	1.1	.2									2.1	4.3
VARBL	1.7	.2		.1								2.0	2.7
CALM												15.4	
	26.5	29.7	18.2	8.7	1.1	.4						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 897

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	2.3	1.8	.7	.0								4.8	4.1
NNE	1.1	1.6	.7	.0								3.4	4.7
NE	1.0	1.8	.9	.1								3.7	5.1
ENE	2.0	3.2	2.2	.2								7.6	5.3
E	2.6	4.2	1.9	.1								8.8	4.9
ESE	1.0	.8	.2									1.9	3.8
SE	.5	.4	.2	.0								1.2	4.2
SSE	.7	.6	.3	.0								1.7	4.5
S	.9	1.0	1.3	.5	.1	.0	.0					3.9	7.2
SSW	.7	1.3	1.8	1.7	.5	.1						6.2	9.6
SW	.9	1.8	3.0	2.8	.5	.1						9.2	9.5
WSW	1.0	2.5	4.0	3.8	.5	.1						11.8	9.4
W	1.4	2.1	3.0	1.6	.2	.0						8.3	7.7
WNW	1.0	.7	.9	.5	.0							3.3	6.5
NW	.7	.5	.5	.3								2.0	5.8
NNW	.8	.7	.5	.1								2.1	5.1
VARBL	2.1	1.2	1.3	.6	.2	.0	.0					5.4	6.1
CALM												14.7	
	20.6	26.4	23.2	12.5	2.1	.4	.0					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 7169

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	1.2	.3									3.0	3.7
NNE	1.0	1.2	.9									3.0	4.8
NE	1.8	1.5	.9									4.2	4.3
ENE	2.3	4.4	2.3	1.0								9.9	5.6
E	3.0	6.4	3.3	.1								12.9	5.2
ESE	1.2	1.4	.1									2.7	3.8
SE	.5	.5	.2									1.3	3.9
SSE	.8	.6	.1									1.5	3.6
S	1.2	1.7	1.2	.5	.1							4.8	6.2
SSW	.5	.5	1.0	.6	.1	.1						2.9	8.8
SW	.5	1.4	1.8	1.8	.8	.1						6.5	9.9
WSW	.8	2.3	4.2	3.1	.3							10.7	9.2
W	1.3	3.2	4.2	2.1	.2							11.0	7.7
WNW	1.1	1.5	.9	.2								3.7	5.2
NW	.4	.5	.1		.1							1.2	6.1
NNW	.6	.5	.4									1.6	4.3
VARBL	1.2	.4	.1									1.7	3.1
CALM												17.4	
	19.8	29.5	22.0	9.5	1.6	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 926

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-76 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	1.5	.5									3.5	4.1
NNE	.8	.6	.2									1.6	4.1
NE	.6	2.6	.5									3.8	4.9
ENE	1.6	5.4	2.3	.8								10.0	5.8
E	4.1	5.4	3.0	.8								13.2	5.3
ESE	.6	1.1	.1									1.8	4.2
SE	.4	.9	.3									1.6	4.6
SSE	.3	.4	.2									1.0	4.4
S	.6	1.0	1.5									3.1	5.0
SSW	.8	1.0	1.1	.8	.3							3.9	6.2
SW	1.4	.6	2.6	1.1	.2	.3						6.2	6.7
WSW	1.2	2.2	3.5	3.0	.5							10.4	6.9
W	1.9	2.8	5.8	2.3	.1							12.9	7.8
WNW	.8	.3	.9	.3								2.3	6.3
NW	.8	.6	.3									1.7	4.2
NNW	.6	.6										1.3	3.8
VARBL	1.5	.6										2.2	2.7
CALM												19.5	
	19.6	27.6	22.9	8.9	1.2	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (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	1.3	1.0	.4									2.7	4.2
NNE	.9	.6	.4									1.9	4.7
NE	.6	1.7	.3									2.7	4.6
ENE	1.6	4.1	3.2	1.5								10.4	6.5
E	4.4	5.9	2.5	.6								13.4	5.0
ESE	.3	.2	.1									.6	3.8
SE	.2	.8	.2									1.2	4.3
SSE	.5	.5	.4									1.5	5.1
S	.9	1.2	1.5	.2								3.8	6.0
SSW	.8	1.1	1.7	.5	.1							4.2	7.2
SW	.2	1.3	2.0	1.5	.4							5.5	9.3
WSW	1.1	2.8	3.1	4.5	.9	.1						12.5	9.6
W	2.0	1.6	4.0	1.4	.2							9.2	7.4
WNW	.8	.6	1.1	.2								2.7	6.1
NW	1.0	.6	.3	.1	.1							2.2	5.4
NNW	.5	.4	.1									1.1	4.1
VARBL	1.4	.5	.3	.1								2.4	3.8
CALM												22.0	
	18.5	25.1	21.8	10.8	1.7	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (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	1.0	1.5	.4	.1								3.0	4.6
NNE	.6	.8	.4	.1								2.0	5.3
NE	.2	.4	.3	.2								1.2	6.3
ENE	.9	2.4	3.2	2.2	.1							8.7	8.3
E	2.9	5.2	5.0	2.8								15.8	7.0
ESE	1.7	1.3	.6									3.7	3.8
SE	.2	.9	.3									1.4	5.0
SSE	.6	.4	.3	.1								1.5	4.6
S	1.4	.9	1.7	.8								4.7	6.3
SSW	.3	.8	1.7	.8								3.6	8.3
SW	1.0	1.0	2.5	1.6	.4	.1						6.6	9.3
WSW	1.1	2.5	3.8	4.0	.8	.1						12.2	9.6
W	1.3	2.3	3.3	1.8	1.2							9.9	9.0
WNW	1.7	1.6	1.2	.6	.1							5.3	6.3
NW	1.0	.8	.9	.4								3.0	6.2
NNW	.6	.9	.9									2.4	5.2
VARBL	2.6	.6	.6	.3	.2							4.4	5.0
CALM												10.6	
	19.3	24.0	27.3	15.8	2.8	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.6	1.3	.9	.2								3.0	6.0
NNE	1.0	.6	.9	.3								2.8	5.8
NE	.2	.4	.2	.2								1.1	6.4
ENE	.4	2.0	2.8	1.7	.1							7.1	8.4
E	1.9	3.2	4.8	2.0	.2							12.3	7.6
ESE	.5	.5	.2	.2								1.5	5.4
SE	1.1	1.0	.3									2.4	3.7
SSE	.5	1.0	.5	.1								2.2	5.6
S	.6	1.4	2.0	1.2								5.3	7.8
SSW	.6	1.4	1.9	1.1		.1						5.2	8.2
SW	.4	2.0	3.0	1.5	.3	.2						7.5	9.1
WSW	1.5	2.8	4.1	4.1	.3	.3						13.4	9.2
W	.4	2.3	4.1	2.6	1.0	.3						10.6	10.0
WNW	.4	.8	1.8	1.7								4.7	9.5
NW	.5	1.0	.5	.8								2.8	7.6
NNW	.4	.4	.4	.1								1.4	6.5
VARBL	4.5	2.2	2.0	1.5		.2						10.4	6.0
CALM												6.3	
	15.9	24.3	30.6	19.7	1.9	1.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	.5									2.6	5.3
NNE	.2	.9	1.9	.6								3.7	8.0
NE	.4	.6	.8	.1								1.9	6.4
ENE	.9	2.0	2.5	1.6								7.0	7.7
E	1.5	4.0	4.5	1.9								11.9	7.3
ESE	1.4	1.2	.3									2.9	3.8
SE	.9	.9	.1									1.8	3.6
SSE	.9	1.1	.5									2.5	4.5
S	1.2	2.3	1.4	.4								5.3	5.7
SSW	.4	2.3	2.6	1.2								6.5	7.5
SW	1.7	2.7	3.4	.8	.3	.2						9.1	7.5
WSW	1.3	1.7	4.0	3.3	.3	.1						10.8	9.3
W	1.1	1.9	4.2	2.2	.6							10.0	9.0
WNW	.1	.8	2.0	2.3	.3							5.5	10.5
NW	.3	.5	1.7	1.1	.1							2.8	7.7
NNW	.3	1.0	.9									2.2	5.7
VARBL	2.6	1.1	.9	.8	.1							5.4	5.3
CALM												8.3	
	15.6	26.5	32.3	15.3	1.8	.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	1.5	1.3	.8									3.5	4.2
NNE	.3	1.2	.8	.1								2.4	6.3
NE	.3	.8	1.1									2.2	6.3
ENE	1.2	4.0	3.0	.4	.1							8.7	6.3
E	3.4	8.8	3.5	.1								15.9	5.0
ESE	1.6	1.0										2.6	3.1
SE	.8	1.0	.1									1.8	3.8
SSE	.5	1.5	.2									2.3	4.7
S	.8	2.6	1.0	.4								4.7	5.9
SSW	1.1	1.8	1.6	1.0	.1							5.6	7.3
SW	.2	2.4	2.5	1.4	.1							6.6	8.1
WSW	.8	1.8	4.8	2.3	.2	.1						10.0	8.4
W	1.2	3.3	4.3	2.2	.1							11.1	8.0
WNW	.2	1.0	2.4	.4	.1							4.1	7.9
NW	.3	.8	.3	.2								1.6	6.3
NNW	1.4	.5	.1									2.0	3.3
VARBL	1.1	.2	.2	.3	.1							1.9	5.6
CALM												13.0	
	16.7	33.9	26.7	8.8	.9	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.5	.6									3.3	4.1
NNE	1.0	1.2	.9									3.0	4.9
NE	.4	2.2	.4									3.0	5.1
ENE	2.7	4.6	1.9	.9								10.1	5.5
E	4.6	7.2	4.3									16.1	4.9
ESE	.8	.5	.1									1.4	3.5
SE	.2	.6	.2									1.1	5.1
SSE	.5	1.1	.1									1.7	4.4
S	.5	2.0	.9	1.0								4.4	7.0
SSW	.6	.9	.5	1.1	.3	.1						3.5	9.3
SW	.4	1.1	2.0	1.1	.4							5.1	9.0
WSW	.8	2.5	4.7	2.5	.2							10.6	8.6
W	1.5	3.4	4.3	1.7								11.0	7.2
WNW	.4	1.3	.9	.4								3.0	6.5
NW	1.0	1.1	.4		.1							2.6	6.9
NNW	.2	.5	.1									.9	6.6
VARBL	1.9	.4	.2	.1								2.7	3.4
CALM												16.5	
	18.8	32.2	22.7	8.7	1.1	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) OCT (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	.6	.0								3.1	4.5
NNE	.7	.9	.8	.1								2.6	5.7
NE	.6	1.3	.6	.1								2.5	5.2
ENE	1.4	3.6	2.6	1.3	.0							9.0	6.6
E	3.2	5.8	3.9	1.0	.0							13.9	5.9
ESE	1.0	.9	.2	.0								2.2	3.8
SE	.5	.8	.2									1.6	4.2
SSE	.6	.8	.3	.0								1.8	4.6
S	.9	1.6	1.4	.6	.0							4.5	6.4
SSW	.6	1.2	1.5	.9	.1	.0						4.4	8.0
SW	.7	1.6	2.5	1.3	.4	.1						6.6	8.8
WSW	1.0	2.3	4.0	3.4	.4	.1						11.3	9.1
W	1.3	2.6	4.3	2.0	.4	.0						10.7	8.2
WNW	.7	1.0	1.4	.8	.1							3.9	7.6
NW	.7	.7	.6	.2	.1							2.2	6.2
NNW	.6	.6	.4	.0								1.6	4.7
VARBL	2.1	.8	.6	.4	.1	.0						3.9	6.9
CALM												14.2	
	18.0	27.9	25.8	12.2	1.6	.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6	.7									1.8	5.5
NNE	.6	.2	.7	.2								2.3	6.0
NE	.3	1.1		.2								1.7	5.6
ENE	1.0	1.4	1.2									3.7	5.3
E	1.6	2.8	1.4	.1								5.9	5.0
ESE	.4	.6	.2									1.2	4.3
SE	.8	.3										1.1	2.7
SSE	.3	.2	.7	.1								1.3	6.4
S	1.1	1.2	1.1	1.9	.4							5.8	8.9
SSW	.7	1.4	3.0	2.0	1.8	.3						9.2	11.0
SW	1.1	1.9	5.7	5.3	.8	.7						15.4	10.6
WSW	.9	2.6	4.8	5.3	1.3	.2	.1					15.2	10.6
W	.7	2.3	4.4	4.3	.4	.4	.1					12.8	10.2
WNW	.7	1.1	.7	.6	.1	.1						3.2	7.7
NW	.6	.6	.9	.1								2.1	5.9
NNW	.3	.2	.6	.3								1.4	7.4
VARBL	1.3	.4	.2	.2								2.2	4.3
CALM												13.6	
	12.9	19.7	26.2	20.8	4.9	1.8	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.1	.8									3.1	4.5
NNE	.3	.8	.7	.4								2.2	6.8
NE	.3	.2	.1	.2								.9	5.9
ENE	.6	2.0	1.0									3.6	5.7
E	1.0	2.3	1.2									4.6	5.3
ESE	.3	.6										.9	3.3
SE	.6	.4	.2									1.2	4.1
SSE	.1	.4	.6	.1								1.2	7.5
S	.6	.9	1.8	1.7	.4							5.3	9.6
SSW	.7	1.6	3.4	2.1	.6	.7						9.0	10.2
SW	2.0	2.1	4.2	5.6	.8	.7	.1					15.4	10.1
WSW	1.0	2.0	5.9	5.7	1.9	.2						16.7	10.8
W	.6	2.4	5.6	3.4	.4	.2						12.7	9.4
WNW	.3	1.2	.7	.7	.1							3.0	8.0
NW	.1	.4	.8	.1								1.4	6.7
NNW	.6	.2	.1	.1								1.0	4.8
VARBL	1.6	.1	.4	.1	.1	.1						2.4	6.0
CALM												15.3	
	11.8	18.9	27.4	20.2	4.3	1.9	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) NOV (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	1.2	.9	.4	.3								2	5.3
NNE	.2	.3	.9	.2								1.7	7.4
NE	.6	.7	.4	.1								1.8	5.4
ENE	.9	1.0	1.0	.3								3.2	6.3
E	1.1	3.3	.9	.1								5.5	5.0
ESE	.7	.3	.1									1.1	3.3
SE	.2	.3	.1	.1								.8	6.0
SSE	.6	.8	.9	.1								2.3	5.9
S	.7	1.3	1.7	1.1	.4	.1						5.3	8.8
SSW	.8	2.3	3.1	3.0	.7	.3	.2					10.5	10.5
SW	1.1	2.9	5.2	5.0	.2	.6	.2					15.2	10.0
WSW	1.1	2.7	6.7	6..	1.2	.8	.1					18.9	10.9
W	.9	2.1	3.9	2.7	.2	.2	.1					10.1	9.2
WNW	.8	.7	.8	.8								3.0	7.4
NW	.6	.3	.6									1.4	5.1
NNW	.6	.3	.4	.2								1.6	6.4
VARBL	.8	.6	.1	.3		.1						1.9	6.3
CALM												12.8	
	12.7	20.9	27.3	20.8	2.8	2.1	.7					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (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		1.1	.2	.2								1.6	6.5
NNE	.2	.8	.6	.4								2.0	7.4
NE	.3	.1	.8	.2								1.4	7.3
ENE	.9	1.0	1.1	.4								3.4	6.6
E	1.0	3.4	1.8	.1								6.3	5.4
ESE	.4	.1										.6	2.4
SE	.2	.2										.4	3.5
SSE	.4	.4	.1	.2								1.2	5.4
S	.1	1.1	1.0	1.9	.4							4.6	10.3
SSW	1.0	1.4	2.0	4.0	1.6	.6	.1					10.7	11.9
SW	.9	3.2	4.2	4.3	1.7	.2	.1					14.7	10.3
WSW	1.1	2.2	6.3	6.9	.9	1.0	.1					18.6	11.1
W	.4	2.2	5.7	3.6	.4	.1						12.4	9.5
WNW	.6	.8	.6	.8		.2						2.9	8.4
NW	.2	.9	.8	.2	.1							2.2	7.1
NNW	.3	.4	.4									1.2	5.1
VARBL	1.9	1.2	.8	.9	.4	.1						5.3	7.2
CALM												10.4	
	10.1	20.8	24.3	24.2	5.6	2.2	.3					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (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	.2	.6	1.3									2.1	7.0
NNE	.2	.1	1.0	.6	.1							2.0	9.1
NE	.1	.4	.4	.2								1.2	7.6
ENE	.2	.7	1.1	.2								2.2	7.5
E	1.3	3.3	2.7	.1								7.4	5.7
ESE	.2	.2	.2									.7	5.5
SE	.2	.3	.2									.8	5.0
SSE	.4	.3	.7	.1								1.6	6.1
S	.8	.4	1.7	.8	.3	.1						4.1	8.9
SSW	.4	1.0	2.8	3.0	1.7	.3						9.2	11.7
SW	.6	2.1	4.4	6.0	2.1	.2						15.4	11.5
WSW	.6	1.9	5.4	7.1	1.3	.3						16.7	11.3
W	.8	1.6	6.6	5.6	1.2	.3						16.0	10.6
WNW	.7	.7	2.7	1.6	.1	.1						5.8	9.6
NW	.3	.3	.8	.3								1.8	7.6
NNW	.1	.2	1.1	.3								1.8	8.1
VARBL	.9	1.4	.8	1.2	.3							4.7	8.3
CALM												6.6	
	8.1	15.7	33.9	27.1	7.2	1.4						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (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	.4	1.6	.1								2.3	6.8
NNE	.1	.4	1.4	.0								2.6	8.3
NE	.1	.4	1.1	.1								1.8	7.8
ENE	.4	1.0	.7	.3								2.4	6.4
E	2.4	3.2	1.4									7.1	4.8
ESE	.6	.8	.3									1.7	4.3
SE	.1	.3	.3									.8	6.1
SSE	.2	.2	.6	.1								1.1	6.5
S	1.0	1.6	2.3	1.3								6.2	7.5
SSW	.9	1.7	3.4	4.0	1.1	.2						11.3	10.6
SW	1.4	3.0	5.2	4.6	1.6	.2						16.0	10.0
WSW	.9	1.4	5.3	6.0	1.4	.4						15.6	11.0
W	.8	2.0	5.7	4.1	1.0							13.6	9.8
WNW	.1	.7	2.9	1.9	.4	.1						6.1	10.5
NW	.2	.4	.9	.2								1.8	7.1
NNW		.2	.9	.3								1.4	9.2
VARBL	.7	.6	.2	.1	.1							1.7	5.5
CALM												6.5	
	10.2	18.5	34.4	23.8	5.7	1.0						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 59-78 (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	.3	.8	.6	.2								1.9	6.5
NNE	.7	1.8	.6	.3								3.3	5.9
NE	.4	1.7	.3									2.4	5.2
ENE	.2	1.6	.6	.1								2.4	5.9
E	1.4	3.6	1.8	.2								7.0	5.3
ESE	.6	.8										1.3	3.6
SE	.6	.6	.2									1.3	4.4
SSE	.2	.3	.7	.1								1.9	5.6
S	.8	2.0	2.3	1.4	.3							6.9	8.3
SSW	.9	2.4	3.0	2.6	1.1	.3	.2					10.6	10.5
SW	.9	2.2	6.8	5.2	1.3	.2						16.7	10.3
WSW	.7	1.7	6.3	5.6	1.3	.6						16.1	11.0
W	.7	2.6	4.8	3.3	.4	.2						12.0	9.6
WNW	.6	1.3	1.3	.4		.2						3.9	7.8
NW	.3	.6		.2	.1	.1						1.3	8.5
NNW	.2	.6		.3								1.1	6.2
VARBL	.1	.3		.7								1.1	9.5
CALM												8.5	
	10.1	24.7	29.3	20.8	4.7	1.7	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.8	1.0									2.6	5.6
NNE	.7	1.3	.3	.6								2.9	5.8
NE	.9	.6	.7									2.1	4.8
ENE	.9	1.4	.6	.2								3.1	4.9
E	1.3	3.9	2.1	.1								7.5	5.4
ESE	.7	.3	.1									1.1	3.4
SE	.3	.7	.2									1.2	4.4
SSE	.7	.6	.2									1.4	4.2
S	1.1	1.2	2.2	1.3	.3							6.2	8.4
SSW	.4	1.8	3.1	2.2	.4	.4						8.5	10.0
SW	.8	1.8	6.4	5.4	1.4	.3						16.1	10.8
WSW	1.0	2.8	6.4	5.9	.9	.4	.1					17.5	10.2
W	.4	1.6	4.9	3.2	.7	.7	.1					11.6	10.6
WNW	.9	.9	1.1	.2	.3							3.5	7.2
NW	.3	.8	.8	.2								2.1	6.6
NNW	.2	.4	.2									.9	5.3
VARBL	.4	.1	.3	.4	.2							1.6	9.0
CALM												10.1	
	11.9	21.0	30.7	19.8	4.3	1.9	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 897

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	.9	.8	.8	.1								2.3	5.8
NNE	.4	.8	.8	.4	.0							2.4	7.0
NE	.4	.7	.5	.1								1.7	6.1
ENE	.6	1.3	.9	.2								3.0	6.0
E	1.4	3.2	1.7	.1								6.4	5.2
ESE	.2	.5	.1									1.1	3.8
SE	.4	.4	.2	.0								1.0	4.4
SSE	.4	.4	.5	.1								1.5	5.9
S	.8	1.2	1.8	1.4	.3	.0						5.6	8.8
SSW	.7	1.7	3.0	2.9	1.1	.4	.1					9.9	10.8
SW	1.1	2.4	5.3	5.2	1.2	.4	.1					15.6	10.5
WSW	.9	2.2	5.9	6.1	1.3	.3	.1					16.9	10.9
W	.7	2.1	5.2	3.6	.6	.3	.0					12.7	9.9
WNW	.6	.9	1.3	.9	.1	.1						3.9	8.6
NW	.3	.5	.7	.2	.0	.0						1.8	6.8
NNW	.3	.3	.5	.2								1.3	6.8
VARBL	1.0	.6	.4	.5	.2	.0						2.6	7.0
CALM												10.5	
	11.0	20.0	29.4	22.2	4.9	1.8	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 7193

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.8	1.3	.8	.1								4.0	4.5
NNE	.2	.8	.3									1.3	5.6
NE	1.5	2.6	.5	.2								4.8	4.8
ENE	1.3	2.7	3.0	1.7	.4							9.1	7.7
E	2.2	4.5	5.3	1.0								12.9	6.4
ESE	.6	.6	.3									1.6	4.6
SE			.4									.4	7.3
SSE	.2	.3	.3	.3								1.2	7.5
S	1.0	1.7	.3	.4	.2							3.7	6.6
SSW	.9	1.8	2.3	.9	.4	.1						6.4	8.4
SW	1.3	2.2	3.6	2.5	.9	.3						10.7	9.4
WSW	1.2	2.4	4.3	3.0	.9	.1						11.8	9.3
W	1.0	1.3	3.2	4.6	.8		.2					11.1	10.9
WNW	.9	.4	.2	.4	.1							2.0	6.3
NW	.6	.6	.4	.2	.1							2.0	6.7
NNW	.5	.5		.3								1.4	6.0
VARBL	1.0	.6	.2	.1	.1	.2						2.3	6.9
CALM												13.2	
	16.1	24.4	25.5	15.8	3.9	.8	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 929

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	.9	.6									3.0	4.0
NNE	.5	.9	.2									1.6	4.7
NE	.6	1.9	.3	.5								3.4	6.1
ENE	1.8	3.0	3.3	1.8	.1							10.1	7.2
E	1.9	3.8	3.8	1.8	.1							11.4	6.9
ESE	.4	.5	.3									1.3	4.6
SE	.1	.1	.4	.2								.9	7.9
SSE	.2	.2	.2									.6	5.5
S	.8	1.6	.4	1.0								3.8	6.8
SSW	1.0	1.6	1.4	1.8	.2	.4						6.5	9.3
SW	1.2	3.2	4.3	2.2	.9	.3						12.0	8.7
WSW	1.1	1.4	5.2	3.8	1.2	.4						13.0	10.5
W	.9	.9	3.0	2.8	1.1	.2						8.8	10.5
WNW	.8	.5	.1	.4								1.8	5.6
NW	.3	.2	.3	.9								1.7	9.4
NNW	.2	.2	.3	.1								.9	6.6
VARBL	1.4	.5	.5	.3	.3							3.1	6.5
CALM												16.0	
	14.7	21.5	24.8	17.6	3.9	1.4						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 930

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-77 (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	.8	1.1	.3	.1								2.3	4.7
NNE	1.3	.4	.6	.1								2.5	4.5
NE	.4	1.4	.6									2.5	5.2
ENE	1.6	4.5	3.2	2.0	.2							11.6	7.3
E	1.3	2.9	4.3	1.6	.1							10.2	7.4
ESE	.2	1.2										1.4	4.4
SE	.3	.5	.2									1.1	4.5
SSE	.5	.5	.3									1.4	4.5
S	1.2	1.1	.6	.3								3.2	5.3
SSW	1.4	1.8	2.8	2.2	.4	.2						8.8	8.9
SW	.9	2.2	2.9	2.6	.5	.2						9.2	9.2
WSW	1.2	2.2	5.1	4.0	1.1	.5	.1					14.1	10.3
W	1.1	1.2	3.3	3.7	.3	.2						9.8	9.9
WNW	.1	.5	.3	.1		.1						1.2	7.8
NW	.3		.6	.2								1.2	7.7
NNW	.3	.6	.1	.1								1.2	5.1
VARBL	1.1	.9	.3	.4								2.7	5.5
CALM												15.7	
	14.0	23.0	25.8	17.4	2.7	1.3	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-77 (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	1.2	.2	.1									1.5	2.5
NNE	.9	.6	.5									2.0	4.7
NE	1.0	1.1	1.0									3.0	5.2
ENE	1.0	3.0	4.0	2.4	.1							10.4	7.9
E	2.7	4.6	4.8	2.0								14.2	6.6
ESE	.6	.4										1.1	3.2
SE	.3	.2	.3									.9	4.8
SSE	.4	.2		.2								.9	5.9
S	1.2	1.3	1.7	.5	.1							4.8	6.7
SSW	.4	1.5	2.2	1.5	.4	.1						6.1	9.5
SW	.3	3.6	4.1	2.4	.6	.3	.1					11.4	9.5
WSW	.4	1.7	5.2	3.6	1.2		.1					12.2	10.5
W	.6	1.9	3.6	4.0	.3	.2						10.7	10.2
WNW	.4	.6	.1	.1	.1							1.4	5.7
NW	.9	.6	.1	.4								2.0	5.4
NNW	.4	.8	.4	.1								1.7	5.7
VARBL	1.3	.2	.4	.9								2.8	6.6
CALM												12.8	
	14.1	22.7	28.5	18.1	2.9	.6	.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 929

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)

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-77 (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	.6	.3	.9	.2								2.0	6.0
NNE	.3	.4	.6	.4								1.8	7.8
NE	.4	.3	1.2	.1								2.0	7.1
ENE	.8	2.3	5.2	1.8	.4							10.4	8.6
E	2.7	5.8	4.7	1.4								14.6	6.3
ESE	.4	.5	.1	.1								1.2	4.6
SE	.2	.1	.5									.9	6.0
SSE	.2	.5	.2	.1								1.1	5.7
S	.9	.4	.8	.6	.1							2.8	7.2
SSW	.5	1.7	2.0	1.5	.2							5.0	8.8
SW	.4	2.7	3.9	3.1	.2							10.3	9.1
WSW	.6	2.3	4.1	5.6	.9	.3	.1					13.9	10.8
W	.9	1.3	4.6	3.2	1.3	.2						11.5	10.6
WNW	.1	.4	.5	.2	.1							1.4	8.2
NW	.1	1.0	.9	.3								2.3	7.2
NNW	.3	.9	.3									1.5	4.9
VARBL	2.4	.8	1.2	1.5	.2	.1						6.1	7.4
CALM												10.1	
	11.9	21.7	31.7	20.3	3.4	.6	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-77 (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	.6	.4	.4	.2								1.7	5.9
NNE	.2	.5	1.0	.2								1.9	7.4
NE	.2	.6	1.6									2.5	6.6
ENE	1.2	3.3	5.1	1.5	.2							11.3	7.6
E	3.9	5.8	3.9	1.0								14.5	5.6
ESE	.2	.6	.4									1.3	5.3
SE	.1	.6	.2									1.0	5.6
SSE	.1	.6	.5	.1								1.4	6.6
S	.9	1.4	1.4	.2								3.9	6.1
SSW	.3	1.3	2.6	2.5	.3							7.0	9.5
SW	.9	2.5	2.9	3.0	.8	.1						10.1	9.4
WSW	.5	2.3	3.9	3.4	.9	.2						11.2	10.1
W	.4	2.0	4.2	2.8	.8	.3						10.5	10.3
WNW	.1	.6	.8	.5	.2	.2						2.5	11.0
NW	.2	.8	.2	.5								1.7	7.3
NNW	.4	.9	.2	.1								1.6	4.7
VARBL	1.4	.9	.9	1.1	.3	.1						4.6	8.2
CALM												11.2	
	11.7	25.3	30.1	17.2	3.4	1.0						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 55-77 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.9	1.0	.2								2.5	6.4
NNE	.9	1.0	1.5	.1								3.4	6.2
NE	.5	1.6	1.6	.2								4.0	6.3
ENE	1.3	3.2	4.1	1.5	.2							10.3	7.4
E	2.9	5.2	5.5	1.2	.1							14.8	6.3
ESE	.3	.5	1.0									1.8	5.9
SE	.2	.4	.3									1.0	5.4
SSE	.6	.6	.3	.1								1.7	4.9
S	.6	.4	1.4	.5								3.1	7.3
SSW	.5	2.3	2.5	1.8	.3	.1						7.5	8.8
SW	.6	2.2	3.0	2.5	1.7	.3						10.3	10.6
WSW	.4	2.5	4.9	3.7	.5							12.0	9.4
W	1.1	1.9	3.0	2.9	.6	.1						9.7	9.5
WNW	1.0	.5	.3	.5	.3							2.7	7.9
NW	.5	.8	.3	.4		.1						2.2	7.3
NNW	.4	.2		.2								.9	6.1
VARBL	.9	.2	.4	.4	.2							2.2	7.7
CALM												9.9	
	13.4	24.4	31.2	16.3	4.1	.6						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34040 (STATION) BITBURG AB GERMANY (STATION NAME) 66-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 -	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.8	.9	.4								2.9	6.2
NNE	.6	1.2	.9									2.8	5.5
NE	.6	1.6	.6	.8								3.5	6.6
ENE	1.9	3.8	3.2	1.6	.2	.1						10.9	7.0
E	1.6	6.0	3.5	1.4	.1	.1						12.8	6.8
ESE	.1	1.0	.3									1.4	5.8
SE	.1	.2	.2									.5	6.0
SSE	.2	.8	.4									1.4	5.5
S	.9	.9	1.3	.5								3.5	6.5
SSW	.6	1.1	2.8	1.5	.4							6.5	9.1
SW	1.1	2.3	3.0	2.8	1.3	.2						10.6	9.9
WSW	1.2	2.0	3.8	3.7	1.2	.4						12.3	10.1
W	1.1	2.7	3.0	4.7	.3							11.8	9.5
WNW	.4	.2	.3	.6								1.6	8.4
NW	.4	.2	.2	.2								1.1	6.1
NNW	.6	.8	.2	.1								1.7	4.9
VARBL	.5	.6	.2	.3								1.7	5.8
CALM												17.9	
	13.1	26.0	24.9	18.6	3.5	.9						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-77 (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	1.0	.7	.6	.2								2.5	5.1
NNE	.6	.7	.7	.1								2.2	5.8
NE	.7	1.4	.9	.2								3.2	5.9
ENE	1.4	3.2	3.9	1.8	.2	.0						10.5	7.6
E	2.4	4.8	4.5	1.4	.1	.0						13.2	6.5
ESE	.4	.7	.3	.0								1.4	4.9
SE	.2	.3	.3	.0								.8	5.8
SSE	.3	.5	.3	.1								1.2	5.7
S	.9	1.1	1.0	.5	.1							3.6	6.6
SSW	.7	1.6	2.3	1.7	.3	.1						6.8	9.0
SW	.8	2.6	3.5	2.6	.9	.2	.0					10.6	9.5
WSW	.8	2.1	4.5	3.6	1.0	.3	.0					12.6	10.1
W	.9	1.7	3.5	3.6	.7	.2	.0					10.5	10.2
WNW	.5	.5	.3	.4	.1	.0						1.8	7.8
NW	.4	.5	.4	.4	.0	.0						1.8	7.1
NNW	.4	.6	.2	.1								1.4	5.4
VARBL	1.2	.6	.5	.6	.1	.1						3.2	7.0
CALM												12.7	
	13.6	23.6	27.8	17.7	3.5	.9	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-78 (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	1.4	1.7	1.2	.2	.0							4.5	5.4
NNE	.9	1.3	1.1	.3	.0							3.6	6.0
NE	.7	1.4	1.0	.4	.0							3.6	6.4
ENE	1.4	3.0	2.5	1.0	.1	.0						8.1	6.8
E	2.2	4.3	3.1	1.0	.1	.0						10.6	6.2
ESE	.7	.7	.3	.0	.0	.0						1.7	4.4
SE	.4	.5	.2	.0	.0							1.2	4.7
SSE	.5	.7	.4	.1	.0	.0						1.7	5.3
S	.8	1.3	1.4	.8	.1	.0	.0					4.4	7.5
SSW	.5	1.4	1.9	1.6	.4	.1	.0					5.9	9.3
SW	.7	1.8	3.2	2.4	.5	.2	.0					8.8	9.5
WSW	.8	2.2	3.9	3.3	.6	.1	.0	.0				11.0	9.7
W	1.0	2.4	3.6	2.4	.4	.1	.0	.0				10.0	8.7
WNW	.7	.9	1.0	.5	.1	.0						3.3	7.3
NW	.6	.7	.8	.4	.0	.0	.0					2.4	6.8
NNW	.7	.8	.7	.3	.0	.0						2.5	6.3
VARBL	1.6	1.1	1.6	.9	.1	.0	.0					5.3	6.9
CALM												11.4	
	15.6	26.4	27.8	15.6	2.5	.6	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 86646

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3+049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-78 (YEARS) ALL (MONTH)

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

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, (CONDITION)

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.2	1.0	.2	.0							3.1	5.9
NNE	.5	.6	.9	.2	.0							2.3	6.7
NE	.5	.7	.7	.3	.0							2.2	6.5
ENE	1.0	1.8	2.1	.8	.1							5.8	7.0
E	1.8	3.6	2.7	.7	.1							8.8	6.1
ESE	.6	.6	.2	.0								1.4	4.1
SE	.4	.5	.2	.0								1.1	4.6
SSE	.5	.6	.4	.2								1.7	5.8
S	.8	1.4	1.6	1.1	.3	.0						5.2	8.0
SSW	.7	1.5	2.9	2.7	.7	.2	.0					8.8	10.1
SW	.9	2.4	4.8	4.3	1.1	.4	.0					13.9	10.2
WSW	.8	2.9	5.5	4.9	1.3	.3	.0					15.8	10.3
W	.9	2.5	4.2	2.6	.5	.1	.0					10.8	9.0
WNW	.6	.7	.6	.3	.1	.0						2.3	6.8
NW	.4	.4	.5	.3	.0	.0						1.7	7.4
NNW	.3	.4	.3	.2	.0							1.3	6.5
VARBL	1.6	.6	.3	.3	.1	.0	.0					2.9	5.4
CALM												10.9	
	13.1	22.5	29.0	19.1	4.2	1.1	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 19849

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.

D

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 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 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					92.4		96.9			98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

The value 91.0 read from the table at the intersection of $\geq$ 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

34040 STATION NUMBER | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200 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		10.5	10.9	11.6	14.0	14.5	16.3	17.0	17.6	18.2	18.2	18.2	18.3	18.6	18.7	18.9
≥ 20000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 18000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 16000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 14000		11.1	11.4	12.2	15.2	16.0	18.2	18.8	19.5	20.0	20.0	20.0	20.1	20.4	20.5	20.8
≥ 12000		11.1	11.4	12.2	15.4	16.2	18.4	19.0	19.7	20.2	20.2	20.2	20.3	20.6	20.8	21.0
≥ 10000		11.5	11.8	12.6	15.8	16.7	18.8	19.6	20.3	20.9	20.9	20.9	21.0	21.3	21.4	21.6
≥ 9000		11.9	12.3	13.0	16.2	17.1	19.2	20.0	20.9	21.4	21.4	21.4	21.5	21.8	21.9	22.2
≥ 8000		12.7	13.1	14.1	17.5	18.4	20.5	21.4	22.3	22.8	22.8	22.8	22.9	23.2	23.3	23.5
≥ 7000		13.1	13.8	15.3	18.7	19.6	21.9	22.8	23.8	24.3	24.3	24.3	24.4	24.7	24.8	25.1
≥ 6000		13.1	13.8	15.3	18.7	19.6	21.9	22.8	23.8	24.4	24.4	24.4	24.5	24.8	24.9	25.2
≥ 5000		14.2	14.8	16.3	19.8	20.6	23.0	23.9	24.8	25.5	25.5	25.5	25.6	26.0	26.1	26.3
≥ 4500		17.6	18.3	20.0	23.7	24.5	27.0	27.8	29.0	29.7	29.7	29.7	29.8	30.2	30.3	30.5
≥ 4000		18.7	19.5	21.4	25.2	26.0	28.5	29.5	30.6	31.3	31.3	31.3	31.4	31.8	31.9	32.2
≥ 3500		20.6	21.4	23.5	27.4	28.4	31.1	32.2	33.5	34.2	34.2	34.2	34.3	34.7	34.8	35.1
≥ 3000		23.2	24.1	26.2	30.4	31.4	34.2	35.3	36.7	37.3	37.3	37.3	37.4	37.8	38.0	38.2
≥ 2500		24.7	25.6	28.0	32.4	33.3	36.2	37.3	38.7	39.4	39.4	39.5	39.6	40.1	40.2	40.4
≥ 2000		29.7	30.5	33.0	38.3	39.6	42.5	43.5	44.9	45.6	45.6	45.7	45.8	46.3	46.5	46.7
≥ 1800		30.9	31.9	34.5	40.0	41.3	44.3	45.4	46.9	47.6	47.6	47.7	47.8	48.4	48.5	48.7
≥ 1600		35.7	37.0	39.6	45.2	46.7	50.2	51.6	53.2	54.0	54.0	54.2	54.3	54.8	54.9	55.2
≥ 1200		39.8	41.2	44.1	49.8	51.3	54.9	56.3	58.3	59.0	59.0	59.2	59.4	59.9	60.0	60.2
≥ 1000		42.0	43.9	47.1	53.5	55.1	58.9	60.8	62.9	63.7	63.7	63.9	64.0	64.5	64.6	64.8
≥ 900		42.7	45.2	48.4	54.9	56.5	60.3	62.3	64.4	65.2	65.2	65.4	65.5	66.0	66.1	66.3
≥ 800		44.4	47.5	51.4	58.7	60.5	64.7	66.7	69.0	69.8	69.8	70.0	70.1	70.6	70.8	71.0
≥ 700		45.6	49.1	53.4	62.8	64.8	69.0	71.0	73.5	74.5	74.5	74.7	74.8	75.4	75.5	75.7
≥ 600		45.8	49.5	54.1	64.2	66.6	71.4	73.4	76.0	77.0	77.0	77.2	77.3	77.8	78.0	78.2
≥ 500		46.2	50.0	55.5	66.7	69.2	74.6	77.1	80.9	81.9	82.0	82.3	82.4	82.9	83.0	83.2
≥ 400		46.2	50.0	55.6	67.6	70.3	76.2	79.4	83.5	84.6	84.7	84.9	85.1	85.6	85.7	85.9
≥ 300		46.5	50.2	55.9	68.3	71.3	77.6	82.0	86.6	88.2	88.3	88.6	88.7	89.8	89.9	90.1
≥ 200		46.5	50.2	55.9	68.4	71.4	77.8	82.7	87.7	89.6	89.8	90.4	91.1	92.8	93.7	95.3
≥ 100		46.5	50.2	55.9	68.4	71.4	77.8	82.7	87.7	89.6	89.9	90.8	91.8	93.9	95.7	99.5
≥ 0		46.5	50.2	55.9	68.4	71.4	77.8	82.7	87.7	89.6	89.9	90.8	91.8	93.9	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

Best Available Copy

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOUR, 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		10.1	10.2	10.9	12.6	12.7	14.7	16.1	16.2	16.3	16.5	16.6	16.8	17.0	17.5	17.6
≥ 20000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 18000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 16000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 14000		10.9	11.0	11.7	14.1	14.5	16.7	18.1	18.2	18.3	18.4	18.5	18.7	18.9	19.5	19.6
≥ 12000		11.0	11.1	11.8	14.5	14.9	17.1	18.5	18.6	18.7	18.8	18.9	19.1	19.4	19.9	20.0
≥ 10000		11.0	11.1	11.8	14.6	15.1	17.4	18.8	18.9	19.0	19.1	19.2	19.5	19.7	20.2	20.3
≥ 9000		11.2	11.3	12.0	14.8	15.3	17.6	19.0	19.1	19.2	19.4	19.5	19.7	19.9	20.4	20.5
≥ 8000		11.7	11.8	12.6	15.6	16.1	18.7	20.2	20.5	20.6	20.8	20.9	21.1	21.3	21.8	21.9
≥ 7000		12.2	12.3	13.3	16.3	16.9	19.5	21.1	21.4	21.5	21.6	21.7	21.9	22.2	22.7	22.8
≥ 6000		12.2	12.3	13.3	16.3	16.9	19.5	21.1	21.4	21.5	21.6	21.7	21.9	22.2	22.7	22.8
≥ 5000		12.7	12.9	14.0	17.2	17.7	20.4	22.0	22.4	22.5	22.6	22.7	22.9	23.1	23.7	23.8
≥ 4500		14.5	14.7	15.8	19.0	19.7	22.4	24.0	24.3	24.4	24.5	24.6	24.8	25.1	25.6	25.7
≥ 4000		15.5	15.8	16.9	20.5	21.2	23.9	25.7	26.1	26.3	26.5	26.6	26.8	27.0	27.5	27.6
≥ 3500		16.8	17.1	18.2	21.8	22.5	25.2	27.0	27.4	27.7	27.8	28.0	28.2	28.4	28.9	29.0
≥ 3000		19.2	19.6	20.9	25.2	25.9	28.6	30.4	31.0	31.3	31.4	31.5	31.7	31.9	32.5	32.6
≥ 2500		21.0	21.5	23.0	27.5	28.3	31.2	33.0	33.5	33.9	34.0	34.2	34.4	34.6	35.2	35.3
≥ 2000		24.1	24.9	26.7	31.6	32.4	35.4	37.3	38.0	38.4	38.5	38.7	38.9	39.2	39.8	39.9
≥ 1800		24.8	25.7	27.6	32.7	33.5	36.8	38.7	39.6	40.0	40.1	40.3	40.5	40.9	41.4	41.5
≥ 1500		30.9	31.8	34.2	39.7	40.5	43.9	45.9	46.9	47.3	47.4	47.6	47.8	48.2	48.7	48.8
≥ 1200		34.9	36.5	39.4	45.6	46.5	50.2	52.8	53.8	54.2	54.3	54.5	54.7	55.1	55.6	55.7
≥ 1000		38.7	40.5	43.7	50.9	51.7	55.7	58.6	59.8	60.2	60.3	60.5	60.8	61.2	61.7	61.8
≥ 900		39.7	42.0	45.3	52.6	53.4	57.5	60.6	61.9	62.4	62.5	62.7	62.9	63.3	63.9	64.0
≥ 800		41.9	44.5	48.1	56.2	57.3	61.9	65.1	66.6	67.1	67.2	67.4	67.6	68.1	68.6	68.7
≥ 700		42.6	45.5	49.5	58.7	59.9	64.9	68.4	69.9	70.4	70.5	70.8	71.0	71.4	71.9	72.0
≥ 600		43.5	46.5	50.5	61.1	62.5	67.6	71.3	73.0	73.5	73.8	74.0	74.2	74.6	75.2	75.3
≥ 500		44.6	47.5	51.8	63.2	64.9	70.9	74.6	77.3	77.8	78.2	78.4	78.6	79.0	79.6	79.7
≥ 400		44.7	47.6	51.9	64.1	65.9	72.4	77.6	80.3	81.2	81.5	81.8	82.0	82.6	83.1	83.3
≥ 300		44.9	48.1	52.4	64.8	67.1	74.3	80.3	84.1	85.3	85.8	86.3	86.7	88.0	88.5	88.7
≥ 200		44.9	48.1	52.4	65.1	67.4	75.1	81.3	86.0	87.5	88.2	88.7	89.0	91.3	92.6	93.9
≥ 100		44.9	48.1	52.4	65.1	67.4	75.1	81.3	86.1	87.7	88.6	89.1	90.0	92.9	94.9	99.0
≥ 0		44.9	48.1	52.4	65.1	67.4	75.1	81.3	86.1	87.7	88.6	89.1	90.0	92.9	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING		7.4	7.8	8.4	9.8	10.0	11.1	12.0	12.5	12.6	12.6	12.7	12.7	12.8	13.2	13.4
≥ 20000		8.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 18000		8.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 16000		8.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 14000		8.8	9.2	9.9	11.6	12.0	13.2	14.4	14.8	14.9	14.9	15.1	15.1	15.2	15.6	15.8
≥ 12000		8.9	9.4	10.0	11.9	12.4	13.5	14.7	15.2	15.3	15.3	15.4	15.4	15.5	15.9	16.1
≥ 10000		9.2	9.8	10.4	12.4	12.8	14.0	15.2	15.6	15.7	15.7	15.8	15.8	15.9	16.3	16.6
≥ 9000		9.4	10.0	10.9	12.8	13.2	14.4	15.6	16.0	16.1	16.1	16.2	16.2	16.3	16.8	17.0
≥ 8000		10.6	11.3	12.2	14.3	15.1	16.2	17.5	18.0	18.2	18.2	18.3	18.3	18.4	18.8	19.0
≥ 7000		11.3	12.2	13.1	15.5	16.2	17.4	19.0	19.5	19.7	19.7	19.8	19.8	19.9	20.3	20.5
≥ 6000		11.6	12.5	13.4	15.8	16.6	17.7	19.4	19.8	20.0	20.0	20.2	20.3	20.4	20.9	21.1
≥ 5000		12.0	13.1	14.1	16.9	17.6	18.9	20.5	21.0	21.2	21.2	21.4	21.5	21.6	22.0	22.3
≥ 4500		13.3	14.5	15.5	18.4	19.1	20.6	22.6	23.0	23.2	23.2	23.4	23.5	23.7	24.1	24.4
≥ 4000		14.7	16.0	17.1	20.0	20.8	22.4	24.3	25.1	25.4	25.4	25.6	25.7	25.8	26.2	26.6
≥ 3500		16.0	17.3	18.4	21.4	22.2	24.0	25.9	26.7	27.0	27.0	27.2	27.3	27.4	27.8	28.2
≥ 3000		18.4	19.7	20.9	24.0	24.7	26.6	28.5	29.4	29.8	29.8	30.0	30.1	30.2	30.6	31.0
≥ 2500		20.5	21.9	23.3	26.7	27.5	29.5	31.4	32.4	32.8	32.8	33.0	33.1	33.2	33.7	34.0
≥ 2000		24.6	26.2	27.7	31.3	32.3	34.5	36.7	37.7	38.2	38.2	38.4	38.5	38.6	39.0	39.5
≥ 1800		25.6	27.3	28.8	32.5	33.4	35.7	37.8	39.1	39.6	39.6	39.8	39.9	40.0	40.4	40.9
≥ 1500		31.8	34.0	35.7	40.3	41.3	43.7	45.9	47.5	48.1	48.1	48.3	48.4	48.5	48.9	49.4
≥ 1200		36.2	38.9	41.4	46.2	47.3	50.3	52.7	54.3	54.8	54.8	55.1	55.2	55.3	55.7	56.1
≥ 1000		38.4	41.2	43.9	49.2	50.3	53.8	56.2	57.8	58.5	58.5	58.7	58.8	58.9	59.4	59.8
≥ 900		39.5	42.3	45.4	50.8	52.0	55.6	58.1	59.7	60.3	60.3	60.5	60.6	60.8	61.2	61.6
≥ 800		41.2	44.2	48.0	54.0	55.5	59.4	61.9	63.7	64.4	64.4	64.6	64.7	64.8	65.3	65.7
≥ 700		43.3	46.3	50.8	57.7	59.2	63.2	66.3	68.3	69.1	69.1	69.4	69.5	69.6	70.0	70.4
≥ 600		44.1	47.1	52.0	59.9	61.4	65.7	69.0	71.2	72.0	72.0	72.3	72.4	72.5	72.9	73.3
≥ 500		45.4	48.5	54.1	63.2	64.7	69.6	73.9	77.0	78.0	78.1	78.3	78.5	78.6	79.0	79.5
≥ 400		45.6	48.7	54.4	64.1	65.8	71.2	76.3	80.0	81.6	81.8	82.0	82.3	82.5	83.2	83.7
≥ 300		45.6	48.7	54.6	64.9	66.9	72.9	78.3	82.9	84.9	85.2	85.7	86.0	86.5	87.2	87.6
≥ 200		45.7	48.9	54.8	65.6	67.7	74.1	80.0	85.6	88.2	88.6	89.4	90.3	91.2	93.1	94.5
≥ 100		45.7	48.9	54.8	65.6	67.7	74.1	80.0	85.6	88.3	88.8	89.7	91.1	92.3	94.9	99.1
≥ 0		45.7	48.9	54.8	65.6	67.7	74.1	80.0	85.6	88.3	88.8	89.7	91.2	92.4	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

Best Available Copy

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 59-76 JAN

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	5/16	≥¼	≥0
NO CEILING	4.8	5.3	5.4	7.4	7.6	8.5	9.2	10.1	10.9	11.1	11.1	11.1	11.2	11.3	11.6	
≥ 20000	7.0	7.4	7.6	10.0	10.2	11.5	12.8	13.8	14.5	14.8	14.8	14.8	15.1	15.2	15.5	
≥ 8000	7.3	7.8	8.1	10.4	10.6	11.9	13.2	14.2	14.9	15.3	15.3	15.3	15.5	15.6	15.9	
≥ 6000	7.3	7.8	8.1	10.4	10.6	11.9	13.2	14.2	14.9	15.3	15.3	15.3	15.5	15.6	15.9	
≥ 5000	7.3	7.8	8.1	10.4	10.6	11.9	13.2	14.2	14.9	15.3	15.3	15.3	15.5	15.6	15.9	
≥ 4500	7.3	7.8	8.1	10.5	10.9	12.2	13.4	14.4	15.2	15.5	15.5	15.5	15.7	15.8	16.1	
≥ 4000	7.8	8.4	8.6	11.2	11.5	13.2	14.5	15.5	16.5	16.8	16.8	16.8	17.0	17.1	17.4	
≥ 3500	8.0	8.5	8.8	11.7	12.0	13.8	15.1	16.0	17.0	17.3	17.3	17.3	17.5	17.6	18.2	
≥ 3000	9.5	10.1	10.4	13.5	14.0	15.8	17.2	18.3	19.2	19.7	19.7	19.7	19.9	20.0	20.5	
≥ 2500	10.0	10.6	11.3	14.6	15.1	16.9	18.3	19.4	20.3	20.8	20.8	20.8	21.0	21.1	21.6	
≥ 2000	10.1	10.8	11.4	14.7	15.2	17.0	18.4	19.5	20.4	20.9	20.9	20.9	21.1	21.2	21.7	
≥ 1800	10.8	11.5	12.2	15.6	16.1	18.2	19.6	20.6	21.6	22.0	22.0	22.0	22.3	22.5	23.1	
≥ 1500	12.2	13.0	14.1	17.7	18.3	20.5	21.9	23.3	24.3	24.7	24.7	24.7	24.9	25.2	25.8	
≥ 1000	13.1	14.0	15.3	19.1	19.7	21.9	23.4	24.8	25.8	26.2	26.2	26.2	26.6	26.8	27.4	
≥ 900	14.4	15.6	16.9	21.1	21.7	24.0	25.6	27.1	28.1	28.5	28.5	28.5	28.8	29.0	29.7	
≥ 800	15.3	16.6	18.0	22.4	23.1	25.6	27.4	29.0	30.3	30.9	30.9	31.0	31.3	31.5	32.2	
≥ 700	17.8	19.5	21.2	25.6	26.5	29.1	31.0	32.6	33.9	34.-	34.6	34.8	35.2	35.4	36.0	
≥ 600	21.6	23.4	25.5	30.1	31.0	34.0	36.2	38.1	39.5	40.2	40.2	40.4	40.8	41.0	41.6	
≥ 500	22.5	24.3	26.5	31.2	32.0	35.2	37.4	39.4	40.9	41.6	41.6	41.8	42.2	42.4	43.0	
≥ 400	27.8	30.3	32.6	38.1	39.0	42.5	45.1	47.0	48.5	49.2	49.5	49.7	50.0	50.2	50.9	
≥ 300	31.6	34.4	37.0	42.9	43.9	47.4	50.3	52.5	54.0	54.7	54.9	55.2	55.5	55.7	56.3	
≥ 200	35.1	38.1	40.9	48.0	49.1	53.2	56.3	58.6	60.3	61.1	61.3	61.5	61.8	62.0	62.8	
≥ 100	35.8	38.9	41.7	49.0	50.2	54.3	57.5	59.8	61.6	62.4	62.6	62.8	63.1	63.3	64.1	
≥ 0	37.1	40.5	43.7	51.3	52.6	57.0	60.8	63.2	65.2	65.9	66.1	66.3	66.7	66.9	67.6	
	38.8	42.6	45.8	54.2	55.5	60.3	64.1	66.7	68.8	69.6	69.8	70.0	70.3	70.5	71.3	
	39.4	43.2	46.5	55.5	56.8	61.7	65.5	68.1	70.4	71.2	71.5	71.7	72.0	72.3	73.0	
	39.8	43.7	47.1	57.0	58.4	64.3	68.6	71.5	74.5	75.4	75.8	76.0	76.7	76.9	77.7	
	39.9	43.9	47.6	58.2	60.0	66.6	71.4	74.9	78.6	79.8	80.2	80.6	81.5	81.7	82.6	
	40.0	44.0	47.8	58.5	60.4	67.3	72.4	76.1	81.2	82.9	83.7	84.4	85.9	86.2	87.4	
	40.0	44.0	47.8	58.6	60.5	67.6	72.8	77.1	83.1	85.4	86.7	88.2	90.4	91.8	94.4	
	40.0	44.0	47.8	58.6	60.5	67.6	72.8	77.1	83.2	85.6	87.1	88.6	91.7	93.5	99.7	
	40.0	44.0	47.8	58.6	60.5	67.6	72.8	77.1	83.2	85.6	87.1	88.6	91.7	93.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-78 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥¼	≥0
NO CEILING	7.2	7.4	9.2	11.8	12.1	13.3	14.0	14.1	14.3	14.3	14.3	14.3	14.5	14.5	14.6
≥ 25000	10.2	10.7	13.1	16.1	16.7	18.3	19.1	19.3	19.6	19.6	19.6	19.6	19.7	19.7	20.0
≥ 22000	10.6	11.0	13.7	16.7	17.5	19.1	19.8	20.2	20.5	20.5	20.5	20.5	20.6	20.6	20.8
≥ 20000	10.6	11.0	13.7	16.7	17.5	19.1	19.8	20.2	20.5	20.5	20.5	20.5	20.6	20.6	20.8
≥ 18000	10.6	11.0	13.7	16.8	17.6	19.2	20.1	20.4	20.7	20.7	20.7	20.7	20.8	20.8	21.0
≥ 17000	10.6	11.1	13.8	16.9	17.7	19.3	20.2	20.5	20.8	20.8	20.8	20.8	20.9	20.9	21.1
≥ 16000	11.0	11.7	14.3	17.5	18.2	20.0	20.9	21.3	21.6	21.6	21.6	21.6	21.7	21.7	21.9
≥ 15000	11.1	11.8	14.6	17.9	18.7	20.4	21.4	21.7	22.0	22.0	22.0	22.0	22.1	22.1	22.3
≥ 14000	11.8	12.5	15.4	19.0	19.7	21.5	22.8	23.2	23.6	23.6	23.6	23.6	23.7	23.7	23.9
≥ 13000	12.2	12.9	15.9	19.6	20.4	22.1	23.5	24.3	24.7	24.7	24.7	24.7	24.8	24.8	25.0
≥ 12000	12.2	12.9	16.1	19.8	20.6	22.3	23.7	24.5	24.9	24.9	24.9	24.9	25.0	25.0	25.2
≥ 11000	12.7	13.5	16.6	20.7	21.5	23.2	24.6	25.4	25.8	25.8	25.8	25.8	25.9	25.9	26.1
≥ 10000	13.4	14.1	17.3	21.4	22.1	23.8	25.2	26.1	26.6	26.6	26.6	26.6	26.8	26.8	27.0
≥ 9000	15.0	15.7	18.9	23.2	23.9	25.8	27.3	28.2	28.7	28.7	28.7	28.7	28.8	28.8	29.0
≥ 8000	16.3	17.0	20.2	24.9	25.7	27.5	29.1	30.0	30.5	30.5	30.5	30.5	30.6	30.6	30.9
≥ 7000	17.2	17.9	21.0	26.0	26.8	28.6	30.3	31.4	32.0	32.0	32.0	32.0	32.1	32.1	32.4
≥ 6500	19.5	20.7	23.9	28.9	29.7	31.6	33.4	34.6	35.4	35.4	35.4	35.4	35.5	35.5	35.7
≥ 6000	24.2	25.8	29.1	34.2	35.2	37.4	39.6	40.9	41.6	41.6	41.6	41.6	41.7	41.7	42.0
≥ 5500	25.6	27.2	30.6	36.0	37.0	39.3	41.4	42.7	43.5	43.5	43.5	43.5	43.6	43.6	43.8
≥ 5000	31.7	34.0	37.8	43.7	44.7	47.1	49.5	51.0	52.1	52.1	52.1	52.1	52.2	52.2	52.4
≥ 4500	36.5	39.3	43.4	49.7	50.8	53.4	55.9	57.5	58.6	58.7	58.7	58.7	58.8	58.8	59.0
≥ 4000	39.6	42.8	47.8	55.0	56.4	59.1	62.1	64.0	65.4	65.5	65.5	65.5	65.6	65.6	65.8
≥ 3500	40.5	43.9	48.9	56.9	58.3	61.1	64.2	66.1	67.5	67.6	67.6	67.6	67.7	67.7	68.0
≥ 3000	41.9	45.5	50.9	59.7	61.1	63.9	67.3	69.5	71.0	71.1	71.1	71.1	71.2	71.2	71.4
≥ 2500	43.0	47.0	52.5	61.9	63.3	66.6	70.1	72.7	74.3	74.6	74.6	74.8	74.9	74.9	75.1
≥ 2000	43.4	47.6	53.2	63.6	65.3	69.4	73.4	76.2	77.8	78.1	78.2	78.3	78.4	78.4	78.6
≥ 1800	43.6	47.9	53.6	64.4	66.2	71.1	75.9	79.2	81.8	82.1	82.3	82.4	82.5	82.5	82.7
≥ 1500	43.7	48.0	53.8	64.7	66.6	71.7	76.9	80.6	84.3	84.8	85.3	85.4	85.5	85.7	85.9
≥ 1000	43.7	48.0	53.8	65.2	67.4	72.9	78.1	82.5	86.7	87.5	88.5	89.2	89.4	89.8	90.4
≥ 500	43.7	48.0	53.8	65.3	67.5	73.0	78.3	82.8	88.0	89.2	90.6	92.0	93.0	94.8	97.1
≥ 200	43.8	48.1	53.9	65.4	67.6	73.1	78.4	83.0	88.2	89.4	90.9	92.4	93.7	96.0	99.8
≥ 0	43.8	48.1	53.9	65.4	67.6	73.1	78.4	83.0	88.2	89.4	90.9	92.4	93.7	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

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

34043 BITBURG AB GERMANY 9-70 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	≥6	≥ 5	≥4	≥3	≥2	≥1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ ¼	≥ ½	≥ ¾	≥1
NO CEILING	6.8	9.7	11.7	12.9	12.9	14.3	14.6	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
22000	13.3	14.5	17.6	19.8	19.8	21.5	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.2	22.3	
≥ 18000	13.4	14.6	17.7	19.9	19.9	21.6	21.9	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.4	
≥ 17000	13.4	14.6	17.7	19.9	19.9	21.6	21.9	22.2	22.2	22.2	22.2	22.2	22.2	22.3	22.4	
≥ 14000	13.7	14.8	18.0	20.1	20.1	21.8	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.6	
≥ 12000	14.7	15.9	19.0	21.5	21.6	23.3	23.7	23.9	23.9	23.9	23.9	23.9	23.9	24.0	24.1	
≥ 10000	15.4	16.7	19.8	22.5	22.6	24.8	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.8	25.9	
≥ 9000	15.6	16.9	20.2	23.3	23.4	25.7	26.2	26.6	26.6	26.6	26.6	26.6	26.6	26.7	26.8	
> 8000	16.9	18.3	21.6	24.7	24.8	27.2	28.0	28.3	28.3	28.3	28.3	28.3	28.3	28.4	28.5	
≥ 7000	17.3	18.7	22.0	25.4	25.5	27.8	28.6	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.2	
≥ 6000	17.4	18.8	22.2	25.5	25.6	28.0	28.8	29.2	29.2	29.2	29.2	29.2	29.2	29.4	29.5	
≥ 5000	17.8	19.2	22.6	25.9	26.0	28.4	29.2	29.7	29.7	29.7	29.7	29.7	29.7	29.8	29.9	
≥ 4500	19.0	20.4	23.8	27.2	27.3	29.7	30.5	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.2	
≥ 4000	20.9	22.3	25.6	29.2	29.4	31.8	32.7	33.1	33.1	33.1	33.1	33.1	33.1	33.2	33.3	
≥ 3500	22.8	24.2	27.5	31.5	31.7	34.2	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.6	35.7	
≥ 3000	24.6	26.0	29.4	33.7	33.9	36.5	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.8	38.0	
≥ 2500	27.3	28.9	32.5	37.0	37.2	39.8	40.9	41.3	41.3	41.3	41.3	41.3	41.3	41.4	41.5	
≥ 2000	32.9	34.7	38.4	43.4	43.7	46.6	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.5	
≥ 1800	34.5	36.6	40.2	45.4	45.6	48.6	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.5	
≥ 1500	40.4	43.0	47.0	53.1	53.3	56.9	58.3	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.1	
≥ 1200	44.0	47.3	51.5	58.6	58.8	62.8	64.4	65.1	65.2	65.2	65.2	65.2	65.2	65.3	65.4	
≥ 1000	45.7	49.4	53.9	62.7	62.9	67.3	69.0	69.9	70.4	70.5	70.5	70.6	70.6	70.8	70.9	
≥ 900	46.1	49.9	54.6	63.5	64.0	68.9	70.6	71.7	72.4	72.5	72.5	72.6	72.7	72.9	73.0	
≥ 800	46.8	50.6	55.7	65.1	65.7	70.9	72.9	74.2	75.3	75.4	75.4	75.5	75.7	75.9	76.0	
≥ 700	47.2	51.1	56.6	66.7	67.5	73.3	75.5	76.8	78.0	78.1	78.1	78.2	78.4	78.6	78.7	
≥ 600	47.6	51.6	57.2	67.6	68.5	75.1	77.4	78.8	80.2	80.3	80.3	80.4	80.6	80.9	81.0	
≥ 500	47.8	52.0	58.0	69.5	70.6	77.8	81.0	83.3	85.5	85.7	85.7	85.8	86.1	86.3	86.5	
≥ 400	47.8	52.0	58.0	69.6	70.9	78.4	81.6	84.4	87.7	88.0	88.5	88.7	89.0	89.5	89.6	
≥ 300	47.8	52.0	58.0	69.8	71.4	79.1	82.4	85.8	89.6	90.0	90.9	91.2	91.8	92.6	92.9	
≥ 200	47.8	52.0	58.0	69.8	71.4	79.1	82.7	86.2	90.6	91.4	92.5	92.9	94.4	95.4	97.0	
≥ 100	47.8	52.0	58.0	69.8	71.4	79.1	82.7	86.2	90.6	91.5	92.6	93.0	95.3	96.5	99.6	
≥ 0	47.8	52.0	58.0	69.8	71.4	79.1	82.7	86.2	90.8	91.6	92.7	93.1	95.4	96.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 59-78 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 0	≥ ¼	≥ ½	≥ ¾	≥ 1	≥ 1¼	≥ 1½	≥ 1¾	≥ 2	≥ 2½	≥ 3	≥ 4	≥ 5	≥ 7	≥ 10
NO CEILING	11.8	12.5	14.2	15.6	16.1	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.5	17.5	17.7
≥ 20000	15.6	16.8	18.9	21.5	22.0	23.5	23.8	23.8	23.8	23.9	23.9	23.9	24.2	24.2	24.4
≥ 8000	15.6	16.8	18.9	21.5	22.0	23.5	23.8	23.8	23.8	23.9	23.9	23.9	24.2	24.2	24.4
≥ 5000	15.6	16.8	18.9	21.5	22.0	23.5	23.8	23.8	23.8	23.9	23.9	23.9	24.2	24.2	24.4
≥ 4000	15.7	16.9	19.0	21.6	22.1	23.6	23.9	23.9	23.9	24.1	24.1	24.1	24.3	24.3	24.5
≥ 3000	15.7	16.9	19.0	21.8	22.4	23.9	24.3	24.3	24.3	24.4	24.4	24.4	24.6	24.6	24.8
≥ 2500	16.3	17.5	19.5	22.7	23.3	24.3	25.1	25.5	25.5	25.6	25.6	25.6	25.8	25.8	26.0
≥ 2000	16.9	18.1	20.2	23.7	24.4	25.9	26.2	26.5	26.5	26.6	26.6	26.6	26.9	26.9	27.1
≥ 1800	18.4	19.8	21.9	25.6	26.5	28.3	28.6	28.9	28.9	29.0	29.0	29.0	29.2	29.2	29.4
≥ 1500	18.8	20.4	22.4	26.5	27.4	29.1	29.4	29.8	29.8	29.9	29.9	29.9	30.1	30.1	30.3
≥ 1200	18.8	20.5	22.5	26.6	27.5	29.2	29.6	29.9	29.9	30.0	30.0	30.0	30.2	30.2	30.4
≥ 1000	19.4	21.1	23.3	27.4	28.3	30.1	30.4	31.1	31.1	31.2	31.2	31.2	31.4	31.4	31.6
≥ 900	20.6	22.3	24.6	28.7	29.6	31.4	31.7	32.4	32.4	32.5	32.5	32.5	32.7	32.7	32.9
≥ 800	23.2	24.9	27.2	31.5	32.4	34.3	34.6	35.3	35.3	35.4	35.4	35.4	35.6	35.6	35.8
≥ 700	25.0	26.8	29.1	33.8	34.6	36.8	37.1	37.8	37.8	37.9	37.9	37.9	38.1	38.1	38.3
≥ 600	27.4	29.1	31.6	36.7	37.5	39.7	40.0	40.7	40.7	40.8	40.8	40.8	41.0	41.0	41.2
≥ 500	29.9	31.7	34.3	39.9	40.8	42.9	43.3	43.9	44.0	44.1	44.1	44.1	44.3	44.3	44.6
≥ 400	33.7	35.6	38.5	44.7	45.6	47.9	48.2	48.9	49.0	49.1	49.1	49.1	49.3	49.3	49.5
≥ 300	35.7	37.6	40.6	47.4	48.3	50.8	51.1	51.8	51.9	52.0	52.0	52.0	52.2	52.2	52.4
≥ 200	40.7	42.9	46.6	54.8	55.8	58.6	58.9	59.7	59.8	59.9	59.9	59.9	60.1	60.1	60.3
≥ 150	44.2	47.0	51.2	59.5	60.7	63.5	64.0	64.7	64.8	64.9	64.9	64.9	65.2	65.2	65.4
≥ 100	47.6	50.9	55.4	63.9	65.2	68.8	69.3	70.2	70.6	70.7	70.7	70.7	70.9	70.9	71.1
≥ 90	48.1	51.6	56.3	64.8	66.1	70.3	70.8	71.7	72.1	72.2	72.2	72.2	72.4	72.5	72.7
≥ 80	49.4	53.0	58.3	67.2	68.5	72.8	73.8	74.8	75.3	75.4	75.4	75.4	75.6	75.7	75.9
≥ 70	50.5	54.3	60.1	69.9	71.4	76.3	77.6	78.5	79.1	79.2	79.2	79.2	79.4	79.5	79.7
≥ 60	50.7	54.6	60.6	70.7	72.3	77.5	78.7	79.7	80.4	80.5	80.5	80.5	80.7	80.8	81.0
≥ 50	50.9	54.9	61.2	72.5	74.1	79.4	81.2	82.4	83.2	83.3	83.3	83.3	83.5	83.6	83.8
≥ 40	51.1	55.1	61.6	73.5	75.4	81.7	84.0	86.0	87.3	87.4	87.5	87.5	87.7	87.8	88.0
≥ 30	51.3	55.3	61.9	73.8	75.8	82.2	85.0	87.6	89.8	90.1	90.8	91.2	91.5	91.8	92.1
≥ 20	51.3	55.3	61.9	73.9	75.9	82.3	85.1	88.0	90.7	91.3	92.4	93.4	94.5	95.3	96.3
≥ 10	51.5	55.4	62.0	74.0	76.1	82.4	85.2	88.1	91.0	91.6	92.8	93.7	95.3	96.5	99.4
≥ 0	51.5	55.4	62.0	74.0	76.1	82.4	85.2	88.1	91.2	91.7	92.9	94.0	95.6	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY 49-78 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING (FT) / VISIBILITY (STATUTE MI)	≥10	≥6	≥5	≥4	≥3½	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
≥ 22000	12.9	13.2	14.5	16.5	16.9	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.5
≥ 17000	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
≥ 14000	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
≥ 12000	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
≥ 10000	14.4	15.2	16.6	19.1	19.7	21.4	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.7
≥ 9000	14.4	15.2	16.6	19.4	20.0	21.7	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.1	22.1
≥ 8000	15.1	15.8	17.2	20.0	20.7	22.4	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.9
≥ 7000	15.5	16.3	17.7	20.6	21.4	23.1	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.7
≥ 6000	16.0	17.0	18.4	21.9	22.8	24.7	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.5
≥ 5000	16.9	17.9	19.5	23.1	24.1	25.9	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.9
≥ 4500	17.0	18.0	19.6	23.3	24.2	26.0	26.7	26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.1
≥ 4000	17.7	18.7	20.6	24.4	25.4	27.4	28.2	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.6
≥ 3500	20.8	21.9	23.9	27.8	28.7	31.1	31.9	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3
≥ 3000	23.0	24.2	26.3	30.4	31.3	33.7	34.6	34.8	34.8	34.8	34.9	34.9	34.9	34.9	35.0
≥ 2500	25.6	26.8	29.0	33.2	34.1	36.5	37.4	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.8
≥ 2000	27.4	28.7	30.9	35.4	36.4	38.8	39.7	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.2
≥ 1800	29.4	30.8	32.9	38.1	39.1	41.4	42.4	42.8	42.8	42.8	42.9	42.9	42.9	42.9	43.1
≥ 1600	34.1	35.7	38.3	44.1	45.2	47.9	48.9	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.5
≥ 1400	36.6	38.3	41.3	47.1	48.2	50.9	51.9	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.5
≥ 1200	40.9	42.9	46.3	52.9	53.9	56.7	57.7	58.6	58.6	58.8	58.9	58.9	58.9	58.9	59.0
≥ 1000	45.9	48.3	51.7	58.9	60.0	62.9	63.8	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.3
≥ 900	48.3	50.9	54.8	62.8	63.9	67.0	68.0	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.5
≥ 800	49.0	52.1	56.1	64.0	65.2	68.5	69.6	70.7	70.7	70.9	71.0	71.0	71.0	71.0	71.2
≥ 700	51.0	54.7	59.1	67.4	68.8	72.3	73.6	74.7	74.8	75.0	75.1	75.1	75.1	75.1	75.2
≥ 600	52.3	56.4	61.6	70.5	72.0	75.9	77.5	78.8	78.9	79.2	79.3	79.3	79.3	79.3	79.4
≥ 500	52.3	56.4	61.8	71.2	72.7	77.1	78.8	80.1	80.2	80.5	80.6	80.6	80.6	80.6	80.7
≥ 400	53.1	57.2	63.0	73.3	75.1	80.4	82.7	84.2	84.4	84.7	84.8	84.8	84.8	84.8	84.9
≥ 300	53.2	57.3	63.1	74.6	76.6	82.7	85.6	87.3	87.5	87.8	87.9	88.1	88.1	88.1	88.2
≥ 200	53.2	57.3	63.2	74.8	77.0	83.1	86.4	88.8	89.0	89.3	89.9	90.3	90.7	90.7	90.9
≥ 100	53.2	57.3	63.2	74.8	77.0	83.2	86.8	89.6	90.4	90.7	91.6	92.1	92.9	93.6	95.4
≥ 0	53.2	57.3	63.2	74.8	77.0	83.2	86.8	89.7	90.5	91.0	91.8	92.5	93.9	95.4	99.5
	53.2	57.3	63.2	74.8	77.0	83.2	86.8	89.7	90.5	91.0	91.8	92.5	94.0	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-78 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ ½	≥ 1	≥ 1½	≥ 2	≥ 2½	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 11	≥ 12
NO CEILING	9.2	9.6	10.7	12.6	12.8	14.2	14.8	15.1	15.4	15.4	15.4	15.5	15.6	15.7	15.9	
≥ 22000	11.4	12.0	13.4	15.9	16.4	18.0	18.8	19.1	19.4	19.4	19.5	19.5	19.6	19.8	20.0	
≥ 18000	11.5	12.1	13.6	16.1	16.5	18.2	19.0	19.3	19.5	19.6	19.6	19.7	19.8	20.0	20.2	
≥ 17000	11.5	12.1	13.6	16.1	16.5	18.2	19.0	19.3	19.5	19.6	19.6	19.7	19.8	20.0	20.2	
≥ 16000	11.5	12.2	13.6	16.1	16.6	18.3	19.0	19.4	19.6	19.7	19.7	19.7	19.9	20.0	20.2	
≥ 15000	11.7	12.4	13.8	16.5	17.0	18.7	19.5	19.8	20.0	20.1	20.1	20.2	20.3	20.5	20.7	
≥ 14000	12.2	12.8	14.3	17.1	17.6	19.4	20.3	20.7	20.9	21.0	21.0	21.1	21.2	21.4	21.6	
≥ 13000	12.4	13.1	14.7	17.7	18.2	20.0	20.9	21.3	21.6	21.6	21.6	21.7	21.8	22.0	22.2	
≥ 12000	13.5	14.2	15.8	19.0	19.7	21.6	22.6	23.1	23.4	23.5	23.5	23.5	23.7	23.8	24.1	
≥ 11000	14.0	14.8	16.6	20.0	20.6	22.6	23.7	24.2	24.5	24.6	24.6	24.7	24.8	25.0	25.2	
≥ 10000	14.0	14.9	16.7	20.1	20.8	22.7	23.8	24.4	24.7	24.8	24.8	24.8	25.0	25.2	25.4	
≥ 9000	14.7	15.6	17.4	21.0	21.7	23.7	24.8	25.4	25.7	25.8	25.8	25.9	26.1	26.2	26.5	
≥ 8000	16.4	17.4	19.4	23.0	23.7	25.8	27.0	27.6	28.0	28.0	28.1	28.1	28.3	28.5	28.7	
≥ 7000	18.0	19.1	21.1	24.9	25.6	27.8	29.0	29.7	30.1	30.2	30.2	30.3	30.4	30.6	30.9	
≥ 6500	19.7	20.8	22.8	26.9	27.6	29.9	31.2	31.9	32.3	32.4	32.4	32.5	32.7	32.8	33.1	
≥ 6000	21.6	22.7	24.8	29.2	30.2	32.3	33.6	34.5	34.9	35.0	35.0	35.1	35.3	35.5	35.7	
≥ 5500	23.8	25.1	27.4	32.0	32.8	35.2	36.6	37.5	37.9	38.0	38.1	38.2	38.4	38.6	38.8	
≥ 5000	28.1	29.6	32.2	37.2	38.1	40.8	42.3	43.3	43.7	43.8	43.9	44.0	44.2	44.4	44.6	
≥ 4500	29.5	31.1	33.8	39.0	39.9	42.7	44.2	45.3	45.8	45.9	46.0	46.0	46.2	46.4	46.7	
≥ 4000	35.0	37.0	40.0	46.0	46.9	49.9	51.6	52.8	53.4	53.5	53.7	53.7	53.9	54.1	54.4	
≥ 3500	39.1	41.6	44.9	51.4	52.4	55.7	57.5	58.9	59.4	59.6	59.7	59.8	60.0	60.2	60.4	
≥ 3000	41.9	44.7	48.4	55.7	56.8	60.5	62.5	64.0	64.8	64.9	65.1	65.2	65.4	65.5	65.8	
≥ 2500	42.7	45.7	49.6	57.1	58.2	62.1	64.2	65.8	66.5	66.7	66.8	66.9	67.1	67.3	67.6	
≥ 2000	44.2	47.6	51.9	59.9	61.2	65.4	67.8	69.4	70.3	70.5	70.6	70.7	71.0	71.2	71.5	
≥ 1800	45.4	49.0	53.8	62.8	64.2	68.7	71.3	73.1	74.1	74.4	74.5	74.6	74.8	75.0	75.3	
≥ 1600	45.8	49.5	54.5	64.2	65.7	70.7	73.4	75.4	76.4	76.7	76.8	76.9	77.2	77.4	77.6	
≥ 1400	46.4	50.2	55.5	66.2	67.9	73.5	76.9	79.5	80.9	81.2	81.4	81.5	81.8	82.0	82.3	
≥ 1200	46.5	50.3	55.8	67.0	68.9	75.1	78.1	82.1	84.1	84.5	84.8	85.0	85.3	85.6	85.9	
≥ 1000	46.6	50.5	56.0	67.5	69.7	76.2	80.6	84.3	86.8	87.4	88.0	88.5	89.2	89.6	90.0	
≥ 900	46.6	50.5	56.0	67.7	69.9	76.5	81.2	85.4	88.5	89.3	90.3	91.1	92.6	93.8	95.5	
≥ 800	46.7	50.5	56.0	67.7	69.9	76.6	81.2	85.4	88.7	89.5	90.6	91.6	93.6	95.4	99.4	
≥ 0	46.7	50.5	56.0	67.7	69.9	76.6	81.2	85.4	88.7	89.6	90.6	91.7	93.7	95.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 7433

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 59-78 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING (FEET) / VISIBILITY (STATUTE MILES)															
≥ 22000	24.0	24.6	25.4	27.5	27.8	29.6	30.7	31.3	31.9	31.9	32.2	32.2	32.3	32.3	32.4
≥ 10000	25.7	26.4	27.2	29.6	29.9	31.9	33.1	33.7	34.3	34.3	34.5	34.5	34.6	34.6	34.8
≥ 6000	26.0	26.7	27.5	29.9	30.3	32.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.5
≥ 5000	26.0	26.7	27.5	29.9	30.3	32.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.5
≥ 4500	26.0	26.7	27.5	29.9	30.3	32.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.5
≥ 4000	26.0	26.7	27.5	29.9	30.3	32.4	33.7	34.4	35.0	35.0	35.2	35.2	35.3	35.3	35.5
≥ 3500	27.3	28.0	28.8	31.2	31.7	33.8	35.3	36.1	36.6	36.6	36.9	36.9	37.0	37.0	37.1
≥ 3000	27.7	28.4	29.2	31.6	32.0	34.2	35.7	36.5	37.1	37.1	37.4	37.4	37.5	37.5	37.6
≥ 2500	29.4	30.1	31.0	33.8	34.4	36.9	38.4	39.2	39.8	39.8	40.1	40.1	40.2	40.2	40.3
≥ 2000	30.0	30.7	31.6	34.4	35.0	37.5	39.1	40.0	40.5	40.5	40.8	40.8	40.9	40.9	41.0
≥ 1800	30.0	30.7	31.6	34.4	35.0	37.5	39.1	40.0	40.5	40.5	40.8	40.8	40.9	40.9	41.0
≥ 1500	31.7	32.9	33.7	36.5	37.1	39.6	41.3	42.1	42.7	42.7	42.9	42.9	43.0	43.0	43.1
≥ 1200	33.8	35.0	35.8	39.1	39.7	42.3	44.1	44.9	45.5	45.5	45.7	45.7	45.9	45.9	46.0
≥ 1000	35.3	37.2	38.4	42.0	42.6	45.5	47.3	48.1	48.7	48.7	48.9	48.9	49.1	49.1	49.2
≥ 900	38.2	39.8	41.0	45.0	45.7	49.2	50.9	52.0	52.7	52.7	53.0	53.0	53.1	53.1	53.3
≥ 800	41.0	42.8	44.1	48.6	49.3	52.7	54.5	55.6	56.3	56.3	56.5	56.5	56.6	56.6	56.9
≥ 700	42.8	45.2	46.5	51.3	52.0	55.4	57.2	58.4	59.1	59.1	59.3	59.3	59.5	59.5	59.7
≥ 600	45.3	47.6	49.2	54.6	55.3	58.7	60.5	61.7	62.4	62.5	62.8	62.8	62.9	62.9	63.1
≥ 500	46.5	48.8	50.5	56.3	57.0	60.4	62.2	63.4	64.1	64.2	64.4	64.4	64.5	64.5	64.8
≥ 450	50.2	52.6	54.7	61.5	62.2	65.7	67.6	68.9	69.6	69.9	70.1	70.1	70.2	70.2	70.4
≥ 400	53.0	55.8	58.3	66.1	66.9	70.7	72.6	74.2	75.1	75.3	75.5	75.5	75.7	75.7	75.9
≥ 350	54.7	57.7	61.3	70.1	71.0	75.1	77.2	79.0	79.8	80.0	80.3	80.3	80.4	80.4	80.6
≥ 300	55.1	58.0	61.7	70.6	71.5	75.5	77.8	79.6	80.4	80.6	80.9	80.9	81.0	81.0	81.2
≥ 250	57.2	60.2	63.8	73.5	74.6	79.1	81.3	83.3	84.4	84.6	84.9	84.9	85.0	85.0	85.2
≥ 200	58.4	61.3	65.2	75.2	76.2	81.0	83.7	85.9	87.0	87.2	87.5	87.5	87.6	87.6	87.8
≥ 150	58.7	61.7	65.8	75.9	77.0	81.8	84.8	87.1	88.2	88.4	88.7	88.7	88.8	88.8	89.0
≥ 100	59.3	62.3	66.7	77.1	78.1	83.3	86.4	88.9	90.0	90.2	90.4	90.4	90.5	90.5	90.8
≥ 45	59.5	62.4	66.9	77.3	78.4	83.7	86.8	89.4	90.7	91.0	91.4	91.5	91.6	91.6	91.8
≥ 30	59.6	62.6	67.1	77.5	78.5	84.4	87.7	90.5	92.2	92.6	93.0	93.3	93.4	93.4	93.6
≥ 20	59.6	62.6	67.1	77.5	78.6	84.4	87.8	90.8	92.9	93.6	94.2	94.4	94.7	95.2	96.2
≥ 0	59.6	62.6	67.1	77.5	78.6	84.4	87.9	90.9	93.1	94.0	94.6	95.0	96.1	97.5	99.4
≥ 0	59.6	62.6	67.1	77.5	78.6	84.4	87.9	90.9	93.1	94.0	94.6	95.0	96.2	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-78 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0	≥0
NO CEILING	17.3	18.2	19.0	20.2	20.8	22.3	23.9	24.1	24.3	24.7	24.8	24.9	25.2	25.3	25.4	
≥ 22000	18.4	20.3	21.2	22.6	23.5	25.1	26.6	26.8	27.4	27.8	27.9	28.0	28.3	28.4	28.5	
≥ 18000	19.7	20.7	21.5	23.2	23.9	25.4	27.0	27.2	27.8	28.1	28.3	28.4	28.6	28.7	28.8	
≥ 17000	19.7	20.7	21.5	23.2	23.9	25.4	27.0	27.2	27.8	28.1	28.3	28.4	28.6	28.7	28.8	
≥ 16000	19.9	20.8	21.6	23.3	24.0	25.5	27.1	27.3	27.9	28.3	28.4	28.5	28.7	28.8	29.0	
≥ 15000	19.9	20.8	21.6	23.3	24.0	25.5	27.1	27.3	27.9	28.3	28.4	28.5	28.7	28.8	29.0	
≥ 14000	20.3	21.3	22.1	23.9	24.6	26.2	27.8	28.0	28.6	29.0	29.1	29.2	29.4	29.6	29.7	
≥ 13000	20.9	21.9	22.7	24.6	25.3	27.0	28.5	28.7	29.3	29.7	29.8	29.9	30.1	30.3	30.4	
≥ 12000	22.2	23.2	24.1	26.6	27.3	29.1	30.6	30.9	31.4	31.8	31.9	32.0	32.3	32.4	32.5	
≥ 11000	22.8	23.8	24.7	27.2	27.9	29.8	31.3	31.6	32.2	32.5	32.6	32.7	33.0	33.1	33.2	
≥ 10000	22.8	23.9	24.8	27.3	28.0	29.9	31.4	31.7	32.3	32.6	32.7	32.9	33.1	33.2	33.3	
≥ 9000	23.6	24.7	25.7	28.3	29.0	30.9	32.4	32.7	33.3	33.7	33.8	33.9	34.2	34.3	34.4	
≥ 8000	25.7	26.8	27.8	30.9	31.6	33.6	35.1	35.5	36.1	36.4	36.5	36.6	36.9	37.0	37.1	
≥ 7000	27.7	28.8	29.8	33.1	33.8	36.2	37.7	38.1	38.7	39.0	39.1	39.2	39.5	39.6	39.7	
≥ 6000	29.7	31.0	31.9	35.5	36.2	39.0	40.8	41.3	41.8	42.2	42.4	42.6	43.0	43.1	43.3	
≥ 5000	32.3	33.6	34.5	38.3	39.0	41.8	43.6	44.1	44.7	45.0	45.3	45.4	45.9	46.0	46.1	
≥ 4500	34.3	35.7	36.8	40.8	41.5	44.6	46.3	46.9	47.5	47.9	48.1	48.2	48.7	48.8	48.9	
≥ 4000	38.2	39.6	41.0	45.5	46.3	49.4	51.3	51.9	52.7	53.1	53.3	53.4	53.9	54.0	54.1	
≥ 3500	39.8	41.3	42.9	47.5	48.3	51.5	53.4	54.1	55.1	55.4	55.7	55.8	56.3	56.4	56.5	
≥ 3000	44.2	46.5	49.1	54.7	55.7	59.5	61.3	62.4	63.4	63.7	63.9	64.1	64.5	64.7	64.8	
≥ 2500	47.4	49.8	53.0	59.9	60.9	64.9	66.8	68.1	69.0	69.4	69.6	69.7	70.2	70.3	70.4	
≥ 2400	48.9	51.8	55.9	63.5	64.5	68.8	71.4	72.7	73.6	74.0	74.2	74.3	74.8	74.9	75.1	
≥ 2200	49.8	52.6	56.7	64.4	65.5	70.0	72.8	74.1	75.3	75.7	75.9	76.0	76.5	76.6	76.7	
≥ 2000	51.4	54.4	58.5	66.8	67.8	72.6	75.7	77.1	78.3	78.6	78.8	79.0	79.4	79.7	79.8	
≥ 1800	52.7	55.8	60.0	68.8	69.9	75.2	78.7	80.3	81.9	82.3	82.5	82.6	83.2	83.5	83.6	
≥ 1600	53.3	56.6	60.9	70.0	71.0	76.5	80.3	82.2	83.8	84.2	84.4	84.5	85.2	85.5	85.6	
≥ 1400	53.7	57.0	61.	.7	72.0	77.8	81.7	83.8	85.6	86.1	86.4	86.5	87.9	88.2	88.3	
≥ 1200	53.7	57.0	61.3	71.2	72.6	78.8	82.9	85.7	87.6	88.2	88.8	88.9	90.3	90.5	90.7	
≥ 1000	53.7	57.0	61.3	71.2	72.6	79.2	83.3	86.4	88.4	89.2	90.0	90.2	91.8	92.1	92.2	
≥ 900	53.7	57.0	61.3	71.2	72.6	79.3	83.5	86.8	89.0	90.2	90.9	91.7	94.1	95.4	96.1	
≥ 800	53.7	57.0	61.	71.2	72.6	79.3	83.5	86.9	89.2	90.4	91.1	92.0	94.7	96.6	99.3	
≥ 700	53.7	57.0	61.3	71.2	72.6	79.3	83.5	86.9	89.2	90.4	91.1	92.1	94.9	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC 10 Aug 64 9-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY 69-78 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING (FEET)	≥0	≥1/4	≥1/2	≥3/4	≥1	≥1 1/4	≥1 1/2	≥1 3/4	≥2	≥2 1/2	≥3	≥4	≥5	≥6
NO CEILING	13.6	15.2	16.5	18.2	18.4	19.5	20.2	20.7	20.9	21.3	21.4	21.4	21.7	21.9	22.0
≥ 100	14.8	16.5	17.8	20.0	20.3	21.6	22.6	23.0	23.5	23.9	24.0	24.1	24.6	24.8	25.1
≥ 200	15.0	16.8	18.1	20.2	20.6	21.9	22.8	23.4	23.9	24.2	24.3	24.5	24.9	25.2	25.4
≥ 300	15.0	16.8	18.1	20.2	20.6	21.9	22.8	23.4	23.9	24.2	24.3	24.5	24.9	25.2	25.4
≥ 400	15.1	16.9	18.2	20.3	20.7	22.0	22.9	23.5	24.0	24.3	24.5	24.6	25.1	25.3	25.5
≥ 500	15.2	17.0	18.3	20.6	20.9	22.2	23.2	23.8	24.2	24.6	24.7	24.8	25.3	25.5	25.8
≥ 600	16.0	17.7	19.0	21.3	21.6	22.9	23.9	24.5	24.9	25.3	25.4	25.5	26.0	26.2	26.5
≥ 900	16.1	17.8	19.3	21.5	21.9	23.2	24.1	24.7	25.2	25.5	25.7	25.8	26.2	26.5	26.7
≥ 800	17.7	19.6	21.3	23.6	24.0	25.5	26.5	27.1	27.5	27.9	28.0	28.1	28.6	28.8	29.1
≥ 900	18.3	20.4	22.1	24.6	25.1	26.6	27.5	28.1	28.6	29.0	29.1	29.2	29.7	29.9	30.3
≥ 1000	18.7	20.8	22.6	25.1	25.5	27.1	28.0	28.6	29.1	29.4	29.6	29.7	30.1	30.4	30.7
≥ 1100	18.8	21.7	23.5	26.1	26.6	28.1	29.1	29.7	30.1	30.5	30.6	30.7	31.2	31.4	31.8
≥ 1200	20.6	22.8	24.7	27.5	28.0	29.6	30.5	31.1	31.6	31.9	32.0	32.2	32.6	32.9	33.2
≥ 1400	21.9	24.1	26.0	29.1	29.7	31.9	33.1	33.8	34.3	34.6	34.8	35.0	35.5	35.8	36.2
≥ 1600	23.3	25.7	27.9	31.0	31.7	33.9	35.1	35.8	36.3	36.6	36.8	37.0	37.5	37.8	38.4
≥ 1800	24.7	27.2	29.8	33.0	33.8	36.2	37.4	38.1	38.5	38.9	39.0	39.2	39.7	40.1	40.7
≥ 2000	26.7	29.3	32.0	35.6	36.5	38.9	40.2	41.0	41.5	41.8	42.0	42.2	42.7	43.0	43.6
≥ 2400	30.7	33.5	36.4	40.2	41.1	43.6	45.2	46.1	46.7	47.0	47.2	47.4	47.9	48.2	48.8
≥ 2800	33.7	36.4	39.4	43.1	44.2	46.8	48.5	49.5	50.1	50.6	50.7	50.9	51.4	51.8	52.4
≥ 3000	39.0	42.2	45.5	51.1	52.4	55.2	56.9	58.2	58.7	59.2	59.3	59.6	60.0	60.4	61.0
≥ 3500	43.3	46.7	50.2	56.5	57.9	61.1	62.9	64.4	65.0	65.5	65.6	65.8	66.3	66.7	67.3
≥ 4000	44.2	47.8	51.7	58.7	60.4	64.1	66.5	68.2	69.1	69.6	69.7	70.0	70.4	70.8	71.4
≥ 4500	45.4	49.1	53.0	60.0	61.8	65.5	68.1	69.7	70.8	71.3	71.4	71.6	72.1	72.5	73.0
≥ 5000	46.6	50.8	55.0	62.2	64.1	68.0	71.0	72.8	73.9	74.3	74.5	74.7	75.2	75.5	76.1
≥ 6000	47.3	51.7	56.0	63.7	65.7	69.6	73.2	74.9	76.1	76.8	77.0	77.2	77.7	78.0	78.6
≥ 7000	48.2	52.8	57.4	65.4	67.5	72.1	76.0	77.9	79.1	79.8	79.9	80.1	80.6	81.0	81.6
≥ 8000	48.5	53.2	57.9	66.3	68.4	73.9	78.4	80.7	82.0	82.9	83.0	83.2	83.7	84.0	84.6
≥ 9000	48.6	53.3	58.2	67.1	69.4	75.2	80.1	83.5	85.3	86.3	86.4	86.6	87.1	87.5	88.1
≥ 10000	48.7	53.4	58.3	67.4	69.6	75.5	80.6	84.4	86.9	87.9	88.2	88.7	89.4	90.0	90.5
≥ 12000	48.7	53.4	58.3	67.4	69.6	75.7	81.0	85.1	88.5	89.6	90.1	90.9	92.8	94.3	96.0
≥ 15000	48.7	53.4	58.3	67.4	69.6	75.7	81.0	85.1	88.5	89.6	90.1	90.9	93.0	95.3	99.1
≥ 0	48.7	53.4	58.3	67.4	69.6	75.7	81.0	85.1	88.5	89.6	90.1	90.9	93.0	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

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

34049 BITBURG AB GERMANY 79-7a FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	[illegible]	2½	2	1¾	1½	1¼	1	¾	½	⅜	¼	0	[illegible]	[illegible]	[illegible]
[illegible]		10.9	11.7	13.5	15.4	15.6	16.1	16.6	16.9	17.9	18.1	18.1	18.1	18.6	18.6	19.2
[illegible]		12.9	13.7	16.1	18.5	19.1	20.1	20.9	21.3	22.3	22.5	22.5	22.6	23.2	23.3	24.5
≥ [illegible]		12.2	14.0	16.4	18.8	19.3	20.4	21.2	21.7	22.6	22.9	22.9	23.0	23.6	23.7	24.9
≥ [illegible]		12.2	14.0	16.4	18.8	19.3	20.4	21.2	21.7	22.6	22.9	22.9	23.0	23.6	23.7	24.9
≥ [illegible]		12.2	14.0	16.4	18.8	19.3	20.4	21.2	21.7	22.6	22.9	22.9	23.0	23.6	23.7	24.9
≥ [illegible]		12.2	14.0	16.4	18.8	19.3	20.4	21.2	21.7	22.6	22.9	22.9	23.0	23.6	23.7	24.9
≥ [illegible]		12.4	15.2	17.5	20.0	20.5	21.6	22.4	22.9	23.8	24.1	24.1	24.2	24.8	24.9	26.1
≥ 9000		13.9	15.6	18.4	20.9	21.3	22.4	23.2	23.7	24.6	25.0	25.0	25.1	25.7	25.8	27.0
≥ 8000		15.5	17.7	20.7	24.2	24.8	25.9	26.8	27.4	28.3	28.7	28.7	28.8	29.4	29.5	30.7
≥ 7000		15.9	18.2	21.4	24.9	25.6	26.8	27.6	28.2	29.1	29.5	29.5	29.6	30.2	30.3	31.5
≥ 6000		16.1	18.5	21.7	25.2	25.9	27.1	28.0	28.6	29.5	29.9	29.9	30.0	30.6	30.7	31.9
≥ 5000		16.8	19.3	22.5	26.1	26.8	28.1	28.9	29.5	30.5	30.8	30.8	30.9	31.5	31.6	32.8
≥ 4500		18.0	20.6	23.8	27.5	28.2	29.5	30.3	30.9	31.9	32.2	32.2	32.3	32.9	33.1	34.2
≥ 4000		18.6	21.3	24.5	28.4	29.3	30.9	31.9	32.7	33.9	34.4	34.4	34.5	35.1	35.3	36.6
≥ 3500		19.5	22.6	26.2	30.8	31.6	33.4	34.4	35.4	36.6	37.1	37.1	37.2	37.8	38.0	39.6
≥ 3000		22.0	25.1	28.9	33.6	34.6	36.5	37.4	38.5	39.9	40.4	40.4	40.5	41.1	41.4	42.9
≥ 2500		24.6	27.7	31.6	36.6	37.6	39.6	40.5	41.7	43.4	44.0	44.0	44.1	44.7	44.9	46.4
≥ 2200		28.0	31.4	35.9	41.4	42.3	44.7	45.6	47.3	48.9	49.5	49.5	49.6	50.4	50.6	52.1
≥ 2000		29.7	33.2	37.9	43.4	44.3	46.8	47.7	49.4	51.1	51.7	51.7	51.8	52.5	52.7	54.3
≥ 1800		33.4	37.2	42.3	48.7	50.1	52.6	53.8	55.5	57.3	57.9	57.9	58.1	58.8	59.0	60.5
≥ 1600		35.8	39.6	45.3	52.0	53.8	56.4	57.6	59.5	61.4	62.0	62.0	62.1	62.8	63.0	64.6
≥ 1400		37.9	41.9	48.2	56.3	58.2	61.5	63.0	64.9	67.4	68.6	68.0	68.1	68.8	69.1	70.6
≥ 1200		38.3	42.3	48.5	57.0	59.0	62.3	64.0	65.9	68.4	69.0	69.0	69.1	69.8	70.0	71.6
≥ 1000		39.0	43.2	49.9	59.4	61.5	65.2	66.9	69.1	71.8	72.4	72.4	72.5	73.2	73.5	75.0
≥ 900		39.7	44.0	50.6	60.7	63.0	66.9	69.7	71.9	74.9	75.5	75.6	75.7	76.4	76.7	78.2
≥ 800		40.2	44.7	51.5	62.0	64.3	68.6	71.6	73.9	77.3	78.0	78.1	78.2	78.9	79.1	80.7
≥ 700		40.6	45.1	52.1	63.3	65.8	70.7	74.3	76.9	80.9	81.6	81.9	82.1	82.8	83.1	84.6
≥ 600		40.6	45.1	52.1	63.4	66.0	71.1	74.8	78.0	82.5	83.6	84.0	84.2	85.0	85.2	86.7
≥ 500		40.6	45.1	52.1	63.5	66.1	71.3	75.4	79.3	85.3	86.7	87.6	88.0	89.3	89.7	91.4
≥ 400		40.6	45.1	52.1	63.5	66.1	71.3	75.4	79.5	85.7	87.2	88.0	88.7	90.8	92.2	96.0
≥ 300		40.6	45.1	52.1	63.5	66.1	71.3	75.4	79.5	85.7	87.2	88.0	88.7	90.8	92.4	99.3
≥ 200		40.6	45.1	52.1	63.6	66.2	71.4	75.5	79.6	85.8	87.3	88.2	88.9	90.9	92.8	100.0

TOTAL NUMBER OF OBSERVATIONS 644

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

34049 BITBURG AB GERMANY 79-7e FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)															
≥ [illegible]	13.1	14.7	16.2	18.1	18.7	19.9	20.1	20.2	20.4	20.7	20.7	20.8	21.0	21.0	21.3
≥ [illegible]	18.4	20.2	22.3	24.9	25.7	27.2	27.5	27.7	27.9	28.1	28.3	28.4	28.7	28.7	29.1
≥ [illegible]	18.7	20.4	22.6	25.2	25.9	27.4	27.8	27.9	28.1	28.4	28.5	28.6	29.0	29.0	29.3
≥ [illegible]	18.7	20.4	22.6	25.2	25.9	27.4	27.8	27.9	28.1	28.4	28.5	28.6	29.0	29.0	29.3
≥ [illegible]	18.7	20.4	22.6	25.2	25.9	27.4	27.8	27.9	28.1	28.4	28.5	28.6	29.0	29.0	29.3
≥ [illegible]	18.9	20.7	22.8	25.4	26.2	27.9	28.3	28.4	28.6	28.8	29.0	29.1	29.4	29.4	29.8
≥ [illegible]	20.0	21.9	24.0	26.7	27.5	29.2	29.6	29.7	29.9	30.1	30.3	30.4	30.7	30.7	31.1
≥ [illegible]	20.7	22.7	25.1	27.8	29.6	31.4	30.7	31.0	31.3	31.6	31.7	31.8	32.2	32.2	32.5
≥ [illegible]	21.7	23.6	26.5	29.7	30.5	32.3	32.9	33.1	33.5	33.7	33.8	33.9	34.3	34.3	34.6
≥ [illegible]	22.2	24.2	27.2	30.5	31.3	33.1	33.7	33.9	34.3	34.5	34.6	34.6	35.1	35.1	35.5
≥ [illegible]	22.3	24.3	27.3	30.6	31.4	33.3	34.0	34.3	34.6	34.9	35.0	35.1	35.5	35.5	35.8
≥ [illegible]	23.0	25.1	28.1	31.6	32.4	34.3	35.0	35.2	35.6	35.8	35.9	36.1	36.4	36.4	36.8
≥ [illegible]	24.1	26.1	29.2	32.7	33.6	35.5	36.3	36.5	36.9	37.1	37.2	37.4	37.7	37.7	38.1
≥ [illegible]	25.4	27.5	30.9	34.5	35.5	37.5	38.3	38.5	39.1	39.4	39.5	39.6	40.0	40.0	40.3
≥ [illegible]	26.8	29.0	32.3	36.1	37.0	39.0	39.8	40.1	40.7	40.9	41.0	41.1	41.5	41.5	41.8
≥ 3000	29.4	31.6	35.0	38.9	40.0	42.0	42.9	43.3	43.9	44.1	44.2	44.3	44.7	44.7	45.0
≥ [illegible]	32.6	35.1	38.8	43.1	44.2	46.2	47.2	47.6	48.2	48.6	48.7	48.8	49.2	49.2	49.5
≥ [illegible]	39.4	42.2	46.1	51.2	52.2	54.5	55.7	56.1	56.7	57.1	57.2	57.3	57.7	57.7	58.0
≥ 800	40.8	43.9	47.8	52.8	53.9	56.3	57.6	58.0	58.6	59.0	59.1	59.2	59.6	59.6	59.9
≥ [illegible]	44.4	48.2	53.1	58.3	59.5	61.9	63.2	63.8	64.4	64.8	64.9	65.0	65.4	65.4	65.7
≥ [illegible]	47.2	51.3	56.6	63.6	65.1	67.8	69.4	70.1	70.8	71.2	71.3	71.4	71.7	71.7	72.1
≥ 500	48.8	53.0	58.5	66.2	67.8	70.7	72.2	73.2	73.9	74.3	74.5	74.7	75.1	75.1	75.4
[illegible]	49.1	53.2	58.7	66.5	68.2	71.4	72.9	73.9	74.6	75.1	75.2	75.4	75.8	75.8	76.1
≥ 500	50.9	55.3	61.3	70.0	71.7	75.4	77.0	78.0	78.8	79.4	79.8	80.0	80.4	80.4	80.7
≥ 700	51.4	55.9	62.2	71.5	73.3	77.3	79.0	80.3	81.2	81.8	82.3	82.5	82.9	82.9	83.2
≥ 600	51.5	56.0	62.3	72.3	74.2	78.4	80.1	81.4	82.4	83.1	83.6	83.8	84.2	84.2	84.5
≥ 500	51.5	56.0	62.3	72.8	75.1	79.6	82.2	82.9	85.6	86.6	87.1	87.7	88.1	88.1	88.4
≥ 400	51.5	56.0	62.3	73.3	75.5	80.3	83.3	85.5	87.5	88.7	89.2	90.1	90.5	90.5	90.9
≥ 300	51.5	56.0	62.3	73.3	75.5	80.4	83.8	86.3	89.0	90.8	91.5	92.8	93.9	94.0	94.3
≥ 200	51.5	56.1	62.4	73.4	75.7	80.5	83.9	86.5	89.5	91.6	92.4	94.1	95.7	96.6	97.6
≥ 100	51.5	56.1	62.4	73.4	75.7	80.5	83.9	86.5	89.5	91.6	92.4	94.1	95.9	97.0	99.8
≥ 0	51.5	56.1	62.4	73.4	75.7	80.5	83.9	86.5	89.5	91.6	92.4	94.1	95.9	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-78 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS) 1500-1700

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥	≥	≥	≥	≥0
NO CEILING		18.4	19.4	20.1	21.6	21.9	22.5	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8
≥ 20000		24.8	26.0	28.0	30.4	30.6	31.4	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8
≥ 18000		24.9	26.1	28.1	30.6	31.0	31.8	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2
≥ 16000		24.9	26.1	28.1	30.6	31.0	31.8	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2
≥ 14000		24.9	26.1	28.1	30.6	31.0	31.8	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2
≥ 12000		25.9	27.1	29.1	31.6	32.0	32.9	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2
≥ 10000		28.0	29.3	31.3	33.8	34.3	35.1	35.3	35.5	35.6	35.6	35.6	35.6	35.6	35.6
≥ 9000		28.5	30.0	32.0	34.8	35.2	36.2	36.6	36.8	36.9	36.9	36.9	36.9	36.9	36.9
≥ 8000		30.5	32.0	34.0	37.0	37.7	38.9	39.6	39.7	39.8	40.0	40.0	40.0	40.0	40.0
≥ 7000		30.9	32.5	34.6	37.8	38.5	39.7	40.7	40.8	40.9	41.0	41.0	41.0	41.0	41.0
≥ 6000		31.0	32.6	34.8	37.9	38.7	39.8	40.9	41.0	41.1	41.3	41.3	41.3	41.3	41.3
≥ 5000		32.2	33.8	35.9	39.5	40.2	41.4	42.4	42.6	42.7	42.8	42.8	42.8	42.8	42.8
≥ 4500		32.7	34.4	36.5	40.4	41.1	42.3	43.4	43.5	43.6	43.7	43.7	43.7	43.7	43.7
≥ 4000		33.5	35.1	7.4	41.5	42.2	43.4	44.4	44.6	44.7	44.8	44.8	44.8	44.8	44.8
≥ 3500		36.4	38.	0.3	44.8	45.5	46.7	47.8	47.9	48.0	48.1	48.1	48.1	48.1	48.1
≥ 3000		39.8	41.	4.0	48.6	49.3	50.7	51.8	51.9	52.0	52.1	52.1	52.1	52.1	52.1
≥ 2500		43.7	45.6	48.3	53.3	54.0	55.4	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9
≥ 2000		50.8	53.3	57.1	63.0	63.7	65.	66.2	66.3	66.4	66.5	66.5	66.5	66.5	66.5
≥ 1800		52.0	54.	58.6	64.7	65.4	66.8	67.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2
≥ 1500		55.2	58.7	63.5	70.1	70.8	72.2	73.4	73.9	74.0	74.1	74.1	74.1	74.1	74.1
≥ 1200		57.7	61.6	66.7	73. 2	76.0	77.5	78.7	79.2	79.3	79.4	79.4	79.4	79.4	79.4
≥ 1000		58.5	62.8	68.0	7	77.9	80.0	81.4	81.9	82.0	82.2	82.2	82.2	82.2	82.2
≥ 900		58.7	63.1	68.	6	78.8	81.1	82.5	83.1	83.2	83.3	83.3	83.3	83.3	83.3
≥ 800		59.9	64.3	69.	.9	81.1	83.5	84.9	85.6	85.8	86.1	86.1	86.1	86.1	86.1
≥ 700		60.6	65.1	70.8	1.2	82.4	85.2	87.0	87.7	87.9	88.2	88.4	88.5	88.5	88.5
≥ 600		60.6	65.1	70.8	81.2	82.4	85.2	87.1	87.9	88.3	88.7	88.9	89.0	89.0	89.0
≥ 500		60.9	65.4	71.2	81.7	83.0	86.1	88.2	89.2	90.0	90.4	90.7	90.8	90.8	90.8
≥ 400		60.9	65.4	71.3	81.9	83.2	86.4	89.0	90.4	91.7	92.3	92.9	93.	93.0	93.0
≥ 300		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.0	93.7	95.2	95.	95.4	95.6
≥ 200		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.1	94.1	95.6	96.1	96.9	97.4
≥ 100		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.1	94.1	95.6	96.1	96.9	97.
≥ 0		60.9	65.4	71.4	82.0	83.3	86.5	89.4	91.1	93.1	94.1	95.6	96.1	96.9	97.

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-76 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	0	
NO CEILING	25.3	26.2	27.2	29.1	29.6	30.4	30.5	30.6	30.9	31.0	31.1	31.1	31.1	31.1	31.1
≥ 20000	29.1	30.1	31.4	33.8	34.5	35.6	35.8	36.1	36.3	36.4	36.5	36.5	36.5	36.5	36.5
≥ 8000	29.4	30.5	31.8	34.2	35.2	36.4	36.6	36.9	37.2	37.4	37.5	37.5	37.5	37.5	37.5
≥ 6000	29.4	30.5	31.8	34.2	35.2	36.4	36.6	36.9	37.2	37.4	37.5	37.5	37.5	37.5	37.5
≥ 5000	29.4	30.5	31.8	34.2	35.2	36.4	36.6	36.9	37.2	37.4	37.5	37.5	37.5	37.5	37.5
≥ 12000	30.0	31.1	32.4	34.6	35.8	37.0	37.2	37.5	37.8	37.9	38.1	38.1	38.1	38.1	38.1
≥ 10000	31.8	32.9	34.4	36.9	37.9	39.1	39.4	39.6	40.0	40.1	40.2	40.2	40.2	40.2	40.2
≥ 9000	32.3	33.3	34.9	37.5	38.5	39.7	40.0	40.2	40.5	40.7	40.8	40.8	40.8	40.8	40.8
≥ 8000	35.0	36.3	37.8	40.8	42.0	43.4	43.6	43.9	44.2	44.3	44.4	44.4	44.4	44.4	44.4
≥ 7000	35.8	37.1	38.9	42.2	43.5	45.0	45.3	45.5	45.9	46.0	46.1	46.1	46.1	46.1	46.1
≥ 6500	35.8	37.1	39.0	42.3	43.6	45.3	45.7	46.0	46.3	46.5	46.6	46.6	46.6	46.6	46.6
≥ 5000	37.0	38.3	40.2	43.7	45.0	46.7	47.2	47.4	47.8	47.9	48.0	48.0	48.0	48.0	48.0
≥ 4500	38.7	40.0	42.0	45.5	46.8	48.5	48.9	49.2	49.5	49.6	49.8	49.8	49.8	49.8	49.8
≥ 4000	40.2	41.5	43.6	47.2	48.5	50.1	50.6	50.9	51.3	51.4	51.5	51.5	51.5	51.5	51.5
≥ 3500	44.4	45.7	48.0	51.7	53.0	54.6	55.3	55.7	56.0	56.1	56.3	56.3	56.3	56.3	56.3
≥ 3000	46.7	48.0	50.2	54.0	55.4	57.2	57.9	58.3	58.6	58.7	58.9	58.9	58.9	58.9	58.9
≥ 2500	49.2	50.5	52.7	56.7	58.4	60.4	61.1	61.5	61.8	61.9	62.1	62.1	62.1	62.1	62.1
≥ 2000	54.1	55.9	59.2	64.3	66.1	68.6	69.3	69.6	70.0	70.1	70.2	70.2	70.2	70.2	70.2
≥ 1800	55.3	57.1	60.6	65.7	67.5	70.0	70.8	71.2	71.5	71.6	71.7	71.7	71.7	71.7	71.7
≥ 1500	57.7	59.7	63.9	69.9	71.7	74.8	75.9	76.4	76.8	77.1	77.2	77.2	77.2	77.2	77.2
≥ 1200	59.3	61.5	66.4	72.9	75.3	79.0	80.3	80.7	81.2	81.4	81.6	81.6	81.6	81.6	81.6
≥ 1000	60.3	62.5	67.8	75.9	78.3	82.0	83.3	83.9	84.6	84.9	85.0	85.0	85.0	85.0	85.0
≥ 900	60.6	62.9	68.3	76.6	79.0	82.9	84.2	84.9	85.6	85.8	85.9	85.9	85.9	85.9	85.9
≥ 800	60.8	63.0	68.6	77.2	79.6	83.6	85.1	85.9	86.8	87.0	87.1	87.1	87.1	87.1	87.1
≥ 700	61.5	63.7	69.3	78.4	80.7	84.8	86.6	87.7	88.8	89.0	89.2	89.2	89.2	89.2	89.2
≥ 600	61.8	64.1	69.6	78.8	81.2	85.3	87.2	88.7	89.7	90.0	90.2	90.2	90.2	90.2	90.2
≥ 500	62.2	64.7	70.2	79.6	81.9	86.3	88.5	90.2	91.4	91.6	92.0	92.0	92.1	92.1	92.1
≥ 400	62.2	64.7	70.2	79.9	82.3	86.6	89.0	90.9	92.1	92.3	92.7	92.8	93.0	93.0	93.0
≥ 300	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.4	93.9	94.3	94.7	94.8	95.2	95.2	95.2
≥ 200	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.6	94.1	94.8	95.7	96.0	96.8	96.8	97.6
≥ 100	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.6	94.2	94.9	95.9	96.2	97.6	97.8	99.9
≥ 0	62.2	64.7	70.2	79.9	82.3	87.0	89.8	92.6	94.2	94.9	95.9	96.2	97.8	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

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

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	27.2	27.5	28.3	31.4	31.9	33.0	33.5	33.7	33.8	33.8	33.8	33.8	34.0	34.0	34.2
≥ 20000	31.2	31.6	32.3	35.7	36.2	37.2	37.7	37.9	38.1	38.1	38.1	38.1	38.4	38.4	38.5
≥ 18000	31.6	31.9	32.6	36.1	36.8	37.8	38.3	38.5	38.8	38.9	38.9	38.9	39.2	39.2	39.4
≥ 17000	31.6	31.9	32.6	36.1	36.8	37.8	38.3	38.5	38.8	38.9	38.9	38.9	39.2	39.2	39.4
≥ 14000	31.6	31.9	32.6	36.1	36.8	37.8	38.3	38.5	38.8	38.9	38.9	38.9	39.2	39.2	39.4
≥ 12000	32.0	32.4	33.1	36.5	37.2	38.4	38.9	39.1	39.4	39.5	39.5	39.5	39.8	39.8	40.0
≥ 10000	33.9	34.3	35.0	38.4	39.1	40.3	40.8	41.3	41.5	41.6	41.6	41.6	42.0	42.1	42.2
≥ 9000	34.0	34.4	35.1	38.5	39.2	40.4	40.9	41.4	41.6	41.7	41.7	41.7	42.1	42.2	42.3
≥ 8000	35.5	35.8	36.6	40.4	41.3	42.8	43.3	43.7	44.0	44.1	44.1	44.1	44.4	44.6	44.7
≥ 7000	35.8	37.1	37.9	41.7	42.6	44.2	44.7	45.2	45.4	45.6	45.6	45.6	46.0	46.1	46.2
≥ 6000	36.8	37.1	37.9	41.7	42.7	44.3	44.8	45.3	45.5	45.7	45.7	45.7	46.1	46.2	46.3
≥ 5000	38.1	38.9	39.7	44.0	45.0	46.7	47.2	47.6	47.9	48.1	48.1	48.1	48.5	48.6	48.7
≥ 4500	40.5	41.4	42.2	46.5	47.5	49.3	49.9	50.4	50.6	50.8	50.8	50.8	51.2	51.3	51.4
≥ 4000	42.4	43.4	44.3	48.6	49.6	51.9	52.6	53.1	53.3	53.5	53.5	53.5	53.9	54.0	54.1
≥ 3500	45.6	46.6	47.9	52.2	53.3	55.6	56.4	56.9	57.1	57.3	57.3	57.3	57.7	57.8	57.9
≥ 3000	48.1	49.1	50.4	55.2	56.3	58.6	59.5	59.9	60.2	60.4	60.4	60.4	60.8	60.9	61.0
≥ 2500	50.4	51.4	52.7	57.9	59.0	61.3	62.2	62.8	63.0	63.2	63.2	63.2	63.6	63.7	63.8
≥ 2000	54.6	56.1	58.3	64.3	65.4	67.8	68.7	69.4	69.6	69.9	69.9	69.9	70.2	70.3	70.4
≥ 1800	55.3	56.9	59.0	65.0	66.2	68.7	69.5	70.2	70.6	70.8	70.8	70.8	71.2	71.3	71.4
≥ 1500	59.6	61.2	64.3	70.9	72.1	74.7	75.5	76.2	76.6	76.8	76.8	76.8	77.2	77.3	77.4
≥ 1200	60.8	62.6	66.1	73.3	74.6	77.7	78.7	79.4	79.8	80.0	80.0	80.0	80.4	80.5	80.6
≥ 1000	62.4	64.4	68.1	76.2	77.8	81.3	82.4	83.1	83.6	83.9	83.9	83.9	84.3	84.4	84.5
≥ 900	63.4	65.5	69.6	78.3	79.8	83.3	84.4	85.3	85.8	86.2	86.2	86.2	86.5	86.6	86.8
≥ 800	63.9	66.1	70.2	79.8	81.3	84.9	85.9	87.0	87.5	87.8	87.8	87.8	88.2	88.3	88.4
≥ 700	64.1	66.2	70.4	80.4	82.0	85.7	87.4	88.4	88.9	89.2	89.2	89.2	89.6	89.7	89.8
≥ 600	64.4	66.5	71.3	81.3	83.2	86.9	88.8	89.8	90.3	90.7	90.7	90.7	91.0	91.1	91.3
≥ 500	64.8	66.9	71.6	81.8	83.7	87.5	89.5	90.9	91.5	91.8	91.8	91.8	92.2	92.3	92.4
≥ 400	64.8	66.9	71.6	82.2	84.0	88.1	90.1	91.5	92.1	92.4	92.4	92.6	93.0	93.1	93.3
≥ 300	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.7	93.5	93.9	93.9	94.0	94.4	94.6	94.9
≥ 200	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.9	93.7	94.2	94.3	94.7	95.4	96.0	96.6
≥ 100	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.9	94.0	94.4	94.6	95.0	96.0	97.2	99.3
≥ 0	64.8	66.9	71.6	82.3	84.2	88.3	90.7	92.9	94.0	94.4	94.6	95.0	96.0	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) FEB (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	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	18.6	19.7	20.8	22.7	23.1	24.2	24.8	25.0	25.4	25.5	25.6	25.6	25.8	25.9	26.0	
≥ 20000	21.9	23.1	24.5	27.0	27.5	28.8	29.5	29.8	30.2	30.4	30.4	30.5	30.8	30.8	31.1	
≥ 18000	22.2	23.4	24.8	27.3	27.9	29.2	29.9	30.3	30.7	30.9	31.0	31.0	31.3	31.3	31.6	
≥ 16000	22.2	23.4	24.8	27.3	27.9	29.2	29.9	30.3	30.7	30.9	31.0	31.0	31.3	31.3	31.6	
≥ 14000	22.2	23.4	24.9	27.3	27.9	29.2	30.0	30.3	30.7	30.9	31.0	31.1	31.3	31.4	31.6	
≥ 12000	22.5	23.7	25.2	27.6	28.2	29.6	30.3	30.7	31.1	31.3	31.4	31.4	31.7	31.7	32.0	
≥ 10000	23.8	25.1	26.5	29.0	29.7	31.0	31.8	32.2	32.6	32.8	32.9	32.9	33.2	33.3	33.6	
≥ 9000	24.3	25.5	27.1	29.6	30.3	31.7	32.5	32.9	33.3	33.5	33.6	33.7	33.9	34.0	34.3	
≥ 8000	26.0	27.3	29.0	32.0	32.7	34.3	35.2	35.6	36.1	36.3	36.4	36.4	36.7	36.8	37.0	
≥ 7000	26.6	28.0	29.8	32.9	33.7	35.3	36.2	36.7	37.1	37.3	37.4	37.5	37.7	37.8	38.1	
≥ 6000	26.7	28.1	30.0	33.1	33.9	35.5	36.5	36.9	37.4	37.6	37.7	37.7	38.0	38.1	38.4	
≥ 5000	27.8	29.3	31.2	34.5	35.3	37.0	37.9	38.4	38.8	39.0	39.1	39.2	39.4	39.5	39.8	
≥ 4500	29.3	30.9	32.8	36.3	37.1	38.8	39.8	40.2	40.7	40.9	41.0	41.1	41.3	41.4	41.7	
≥ 4000	30.7	32.4	34.4	38.0	38.9	40.9	42.0	42.5	43.0	43.2	43.3	43.4	43.7	43.8	44.1	
≥ 3500	33.0	34.8	36.9	40.9	41.8	43.9	45.1	45.6	46.2	46.4	46.5	46.6	46.9	47.0	47.3	
≥ 3000	35.5	37.4	39.6	43.8	44.7	47.0	48.1	48.7	49.3	49.5	49.6	49.7	50.0	50.1	50.4	
≥ 2500	38.0	40.1	42.4	46.9	47.9	50.2	51.4	52.1	52.7	52.9	53.0	53.1	53.4	53.5	53.9	
≥ 2000	42.6	45.0	47.9	53.1	54.1	56.6	57.8	58.6	59.2	59.5	59.6	59.7	60.0	60.1	60.4	
≥ 1800	44.1	46.5	49.6	54.8	55.9	58.4	59.7	60.5	61.1	61.4	61.5	61.6	61.9	62.0	62.4	
≥ 1500	48.0	50.8	54.6	60.6	61.8	64.6	66.0	66.9	67.6	67.9	68.0	68.1	68.4	68.5	68.9	
≥ 1200	50.5	53.6	57.8	64.9	66.3	69.4	70.9	72.0	72.7	73.0	73.1	73.2	73.5	73.6	74.0	
≥ 1000	52.0	55.2	59.9	68.0	69.5	72.9	74.7	75.9	76.8	77.1	77.2	77.3	77.6	77.7	78.1	
≥ 900	52.5	55.8	60.6	68.9	70.5	74.0	75.8	77.1	78.0	78.4	78.5	78.6	78.9	79.0	79.3	
≥ 800	53.7	57.2	62.1	71.1	72.7	76.5	78.5	79.9	80.9	81.3	81.4	81.5	81.8	81.9	82.3	
≥ 700	54.5	58.0	63.1	72.5	74.2	78.2	80.7	82.1	83.3	83.8	84.0	84.1	84.4	84.5	84.9	
≥ 600	54.9	58.5	63.7	73.4	75.1	79.4	82.0	83.6	84.9	85.3	85.5	85.6	86.0	86.1	86.5	
≥ 500	55.2	58.8	64.2	74.2	76.0	80.6	83.6	85.6	87.1	87.7	87.9	88.1	88.5	88.6	89.0	
≥ 400	55.2	58.9	64.2	74.5	76.4	81.3	84.5	86.8	88.7	89.4	89.7	90.0	90.5	90.6	90.9	
≥ 300	55.2	58.9	64.3	74.6	76.5	81.6	85.1	87.9	90.3	91.1	91.7	92.1	92.8	93.1	93.5	
≥ 200	55.2	58.9	64.3	74.7	76.5	81.6	85.2	88.2	90.8	91.9	92.7	93.3	94.6	95.5	96.7	
≥ 100	55.2	58.9	64.3	74.7	76.5	81.6	85.2	88.2	90.9	92.0	92.8	93.5	95.1	96.4	99.5	
≥ 0	55.2	58.9	64.3	74.7	76.6	81.6	85.2	88.2	90.9	92.0	92.8	93.5	95.2	96.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 6766

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

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 HOUR (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥¼ to	≥0	≥0
NO CEILING		34.6	36.2	38.2	39.4	39.6	40.2	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4
≥ 20000		36.6	38.3	40.2	41.6	41.8	42.5	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7
≥ 18000		37.0	38.7	40.6	42.0	42.3	42.9	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.1
≥ 16000		37.2	38.9	40.9	42.3	42.5	43.1	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3
≥ 14000		37.2	38.9	40.9	42.3	42.5	43.1	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.3
≥ 12000		37.3	39.1	41.1	42.5	42.9	43.5	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7
≥ 10000		37.8	39.7	42.3	43.8	44.2	44.8	45.6	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3
≥ 9000		38.2	40.0	42.7	44.2	44.7	45.4	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
≥ 8000		39.8	41.6	44.3	46.1	46.7	47.4	48.2	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1
≥ 7000		40.9	42.7	45.5	47.3	47.8	48.6	49.4	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3
≥ 6000		41.0	42.8	45.6	47.4	48.0	48.7	49.5	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 5000		43.7	45.7	48.5	50.3	50.9	51.6	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3
≥ 4500		45.7	48.1	51.1	53.0	53.5	54.4	55.2	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
≥ 4000		48.3	50.9	54.0	55.9	56.8	57.6	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7
≥ 3500		50.6	53.2	56.5	58.4	59.2	60.1	61.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 3000		53.5	56.3	60.0	62.2	63.0	64.3	65.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6
≥ 2500		54.8	57.8	61.5	64.0	64.9	66.2	67.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5
≥ 2000		57.8	61.0	64.7	67.7	68.7	70.1	71.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
≥ 1800		59.0	62.3	66.3	69.5	70.4	71.8	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
≥ 1500		62.2	65.8	70.4	74.2	75.3	77.0	78.2	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 1200		64.8	69.2	74.5	78.5	79.6	81.4	82.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥ 1000		66.7	71.7	77.1	81.1	82.4	84.3	85.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	87.0
≥ 900		66.8	71.9	77.5	81.7	83.0	84.9	86.5	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.6
≥ 800		67.0	72.4	78.3	82.6	84.0	86.1	87.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	89.0
≥ 700		67.5	73.2	79.1	84.4	85.9	88.6	90.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8
≥ 600		67.5	73.2	79.2	84.8	86.3	89.4	91.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 500		67.8	73.6	80.1	85.8	87.3	90.9	93.0	94.4	94.8	94.8	94.9	94.9	94.9	94.9	95.1
≥ 400		68.0	73.9	80.2	85.9	87.4	91.1	93.7	95.3	95.7	95.9	96.0	96.1	96.1	96.1	96.2
≥ 300		68.0	73.9	80.2	85.9	87.4	91.2	93.9	95.8	96.3	96.7	96.8	97.3	97.7	97.7	98.0
≥ 200		68.0	73.9	80.2	85.9	87.4	91.3	94.3	96.6	97.5	98.0	98.1	98.7	99.2	99.2	99.5
≥ 100		68.0	73.9	80.2	85.9	87.4	91.3	94.3	96.6	97.5	98.0	98.1	98.7	99.2	99.4	100.0
≥ 0		68.0	73.9	80.2	85.9	87.4	91.3	94.3	96.6	97.5	98.0	98.1	98.7	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING		27.1	29.1	31.0	33.0	33.3	34.7	35.2	35.5	35.6	35.7	35.8	36.0	36.0	36.2	36.2
≥ 20000		29.0	31.2	33.2	35.2	35.4	36.9	37.5	38.0	38.1	38.2	38.3	38.4	38.4	38.6	38.6
≥ 18000		29.0	31.2	33.2	35.2	35.4	36.9	37.5	38.0	38.1	38.2	38.3	38.4	38.4	38.6	38.6
≥ 16000		29.0	31.2	33.2	35.2	35.4	36.9	37.5	38.0	38.1	38.2	38.3	38.4	38.4	38.6	38.6
≥ 14000		29.2	31.4	33.4	35.4	35.6	37.1	37.7	38.2	38.3	38.4	38.5	38.6	38.6	38.9	38.9
≥ 12000		29.2	31.4	33.4	35.4	35.6	37.1	37.7	38.2	38.3	38.4	38.5	38.6	38.6	38.9	38.9
≥ 10000		29.4	31.6	34.0	36.3	36.6	38.1	38.8	39.3	39.4	39.5	39.6	39.7	39.7	39.9	39.9
≥ 9000		30.0	32.4	34.8	37.0	37.4	38.9	39.5	40.0	40.2	40.3	40.4	40.5	40.5	40.7	40.7
≥ 8000		31.3	33.7	36.1	38.3	38.8	40.4	41.0	42.0	42.1	42.2	42.3	42.4	42.4	42.6	42.6
≥ 7000		32.5	34.9	37.2	39.5	39.9	41.6	42.2	43.2	43.3	43.4	43.5	43.6	43.6	43.8	43.8
≥ 6000		32.5	34.9	37.2	39.5	39.9	41.6	42.2	43.2	43.3	43.4	43.5	43.6	43.6	43.8	43.8
≥ 5000		34.0	36.5	38.9	41.4	41.9	43.5	44.2	45.2	45.3	45.4	45.5	45.7	45.7	46.0	46.0
≥ 4500		37.0	39.8	42.8	45.4	45.9	47.5	48.4	49.4	49.5	49.6	49.7	49.9	49.9	50.2	50.2
≥ 4000		39.3	42.5	45.5	48.1	48.5	50.2	51.1	52.1	52.2	52.3	52.4	52.6	52.6	52.9	52.9
≥ 3500		41.2	44.7	47.8	50.5	50.9	52.5	53.5	54.5	54.6	54.7	54.8	55.0	55.0	55.2	55.2
≥ 3000		43.9	47.7	51.2	54.5	54.9	56.7	57.7	58.9	59.0	59.1	59.2	59.4	59.4	59.6	59.6
≥ 2500		46.0	50.1	53.9	57.4	57.8	59.6	60.8	62.0	62.1	62.2	62.3	62.5	62.5	62.8	62.8
≥ 2000		48.7	53.0	57.4	61.2	61.8	63.9	65.2	66.5	66.6	66.7	66.8	67.1	67.1	67.3	67.3
≥ 1800		49.9	54.3	58.8	62.6	63.2	65.3	66.7	68.0	68.1	68.2	68.4	68.6	68.6	68.8	68.8
≥ 1500		53.0	57.6	62.5	66.5	67.1	69.5	71.2	72.4	72.6	72.7	72.8	73.0	73.0	73.2	73.2
≥ 1200		56.1	61.0	66.5	71.0	71.9	74.8	76.6	77.9	78.0	78.1	78.3	78.5	78.5	78.7	78.7
≥ 1000		59.4	64.9	70.6	75.1	76.0	79.4	81.6	82.9	83.0	83.1	83.2	83.4	83.4	83.6	83.6
≥ 900		60.2	65.8	71.5	76.2	77.1	81.2	83.3	84.6	84.7	84.9	85.0	85.3	85.3	85.5	85.5
≥ 800		61.1	66.8	72.7	77.5	78.4	83.1	85.3	86.5	86.8	87.0	87.1	87.3	87.3	87.5	87.5
≥ 700		61.4	67.1	73.2	78.3	79.1	84.0	86.2	87.6	88.1	88.5	88.6	88.8	88.8	89.0	89.0
≥ 600		61.5	67.2	73.4	78.6	79.4	84.6	86.9	88.3	88.8	89.2	89.3	89.6	89.6	89.8	89.8
≥ 500		61.7	67.5	73.7	79.1	80.0	85.3	87.8	89.6	90.1	90.6	90.7	91.0	91.0	91.2	91.4
≥ 400		61.7	67.5	73.7	79.5	80.5	86.2	89.0	91.0	91.9	92.7	92.8	93.0	93.1	93.3	93.5
≥ 300		61.7	67.5	73.7	79.7	80.6	86.4	89.3	91.7	93.5	94.5	94.7	94.9	95.3	95.7	96.0
≥ 200		61.7	67.5	73.7	79.7	80.6	86.5	89.8	92.2	94.5	95.8	96.1	96.6	97.0	98.0	98.8
≥ 100		61.7	67.5	73.7	79.7	80.6	86.5	89.8	92.4	94.6	95.9	96.2	96.8	97.2	98.4	99.7
0		61.7	67.5	73.7	79.7	80.6	86.5	89.8	92.4	94.6	95.9	96.2	96.8	97.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

34049 BITBURG AB GERMANY 69-75 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ½	≥ ¼	≥ 0
NO CEILING		19.0	21.3	23.1	27.2	27.9	29.4	30.5	30.7	31.0	31.0	31.3	31.4	31.5	31.8	32.2
≥ 20000		20.8	23.4	25.2	29.6	30.4	32.0	33.5	33.9	34.3	34.3	34.5	34.6	34.7	35.1	35.7
≥ 18000		20.9	23.5	25.3	29.8	30.7	32.3	33.8	34.3	34.6	34.6	34.8	34.9	35.0	35.5	36.0
≥ 16000		21.0	23.6	25.4	30.0	30.8	32.4	33.9	34.4	34.7	34.7	34.9	35.0	35.1	35.6	36.1
≥ 14000		21.0	23.6	25.4	30.0	30.8	32.4	33.9	34.4	34.7	34.7	34.9	35.0	35.1	35.6	36.1
≥ 12000		21.0	23.6	25.4	30.0	30.8	32.4	33.9	34.4	34.7	34.7	34.9	35.0	35.1	35.6	36.1
≥ 11000		22.1	24.8	26.6	31.5	32.3	33.9	35.5	35.9	36.2	36.2	36.4	36.5	36.6	37.1	37.6
≥ 10000		22.2	24.9	26.8	31.7	32.5	34.2	35.7	36.1	36.4	36.4	36.6	36.7	36.9	37.3	37.8
≥ 9000		23.9	26.5	28.4	33.6	34.5	36.1	37.6	38.5	38.8	38.8	39.0	39.3	39.5	40.0	40.5
≥ 8000		24.2	26.9	28.9	34.2	35.0	36.7	38.4	39.2	39.5	39.7	39.9	40.2	40.4	40.8	41.4
≥ 7000		24.2	26.9	28.9	34.2	35.0	36.7	38.4	39.2	39.5	39.7	39.9	40.2	40.4	40.8	41.4
≥ 6000		25.5	28.8	30.7	36.3	37.2	39.0	40.6	41.5	41.8	41.9	42.1	42.5	42.7	43.2	43.9
≥ 5000		28.0	31.7	33.9	39.9	40.7	42.7	44.4	45.3	45.6	45.7	45.9	46.2	46.4	47.0	47.6
≥ 4500		29.5	33.4	35.7	41.8	42.7	44.6	46.3	47.2	47.6	47.7	48.1	48.4	48.6	49.2	49.9
≥ 4000		30.0	33.9	36.2	42.3	43.2	45.4	47.2	48.1	48.5	48.6	48.9	49.2	49.5	50.3	51.0
≥ 3500		32.5	36.7	39.3	46.4	47.3	49.7	51.6	52.5	52.9	53.0	53.3	53.7	53.9	54.7	55.5
≥ 3000		34.2	38.6	41.7	49.5	50.3	52.8	55.0	55.8	56.3	56.4	56.7	57.0	57.2	58.1	58.8
≥ 2500		37.9	42.5	45.9	53.9	54.8	57.5	59.9	60.9	61.3	61.4	61.7	62.1	62.3	63.1	63.9
≥ 2000		38.7	43.3	46.9	55.6	56.6	59.4	61.7	62.7	63.1	63.3	63.6	63.9	64.1	65.0	65.7
≥ 1800		40.9	46.0	50.1	59.3	60.3	63.7	66.5	67.5	68.2	68.3	68.6	69.0	69.2	70.0	70.8
≥ 1500		43.5	48.9	53.3	63.7	64.8	68.8	71.9	73.1	73.9	74.0	74.4	74.7	74.9	75.8	76.5
≥ 1200		46.4	52.2	56.8	67.7	68.8	73.4	76.5	77.9	78.8	78.9	79.2	79.5	79.7	80.6	81.4
≥ 1000		46.9	52.7	57.5	68.6	69.7	74.6	77.7	79.1	80.3	80.4	80.7	81.0	81.3	82.1	82.9
≥ 900		47.7	53.6	58.6	69.9	71.1	76.5	80.0	81.4	82.5	82.7	83.0	83.3	83.5	84.4	85.1
≥ 800		47.8	54.0	59.6	71.3	72.6	78.2	82.2	83.6	84.9	85.0	85.3	85.7	85.9	86.7	87.5
≥ 700		48.1	54.3	60.3	72.4	73.8	80.1	84.1	85.5	86.7	86.9	87.2	87.5	87.7	88.6	89.3
≥ 600		48.1	54.3	60.5	72.7	74.4	80.8	85.0	86.7	88.0	88.1	88.5	88.8	89.0	90.0	90.9
≥ 500		48.1	54.3	60.5	73.1	74.7	81.3	85.6	87.7	89.2	89.4	89.8	90.1	90.3	91.3	92.2
≥ 400		48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.5	90.2	90.6	91.1	91.6	92.0	93.1	94.2
≥ 300		48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.8	91.1	91.5	92.0	93.2	94.4	96.0	98.1
≥ 200		48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.8	91.2	91.7	92.2	93.4	94.9	96.7	99.9
≥ 100		48.1	54.3	60.5	73.3	74.9	81.5	86.0	88.8	91.2	91.7	92.2	93.4	94.9	96.8	100.0
0																

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (GMT)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ 0	≥5/16	≥ ¼	≥0
NO CEILING		15.9	17.6	20.5	26.1	26.8	28.4	28.8	29.2	29.4	29.4	29.4	29.4	29.6	29.6
≥ 20000		18.8	20.6	24.1	30.5	31.2	33.1	34.1	34.6	34.7	34.7	34.7	34.7	34.8	35.4	35.4
≥ 18000		18.9	20.8	24.2	30.6	31.3	33.2	34.3	34.8	34.9	34.9	34.9	34.9	35.1	35.6	35.6
≥ 16000		18.9	20.8	24.2	30.6	31.3	33.2	34.3	34.8	34.9	34.9	34.9	34.9	35.1	35.6	35.6
≥ 14000		18.9	20.8	24.2	30.6	31.3	33.2	34.3	34.8	34.9	34.9	34.9	34.9	35.1	35.6	35.6
≥ 12000		19.1	21.0	24.5	31.1	31.7	33.7	34.7	35.3	35.4	35.4	35.4	35.4	35.5	36.0	36.0
≥ 10000		19.9	21.9	25.8	32.6	33.2	35.4	36.5	37.0	37.1	37.1	37.1	37.1	37.2	37.7	37.7
≥ 9000		20.3	22.4	26.5	33.2	33.9	36.0	37.1	37.7	37.8	37.8	37.8	37.8	38.0	38.5	38.5
≥ 8000		21.3	23.3	27.5	34.7	35.4	37.5	38.6	39.2	39.4	39.5	39.5	39.5	39.9	40.4	40.6
≥ 7000		21.4	23.7	28.2	35.5	36.1	38.3	39.4	40.0	40.1	40.2	40.2	40.2	40.6	41.2	41.4
≥ 6000		21.4	23.7	28.3	35.6	36.2	38.4	39.5	40.1	40.2	40.3	40.3	40.3	40.8	41.3	41.5
≥ 5000		21.8	24.1	29.1	36.7	37.4	39.9	41.1	41.8	41.9	42.0	42.0	42.0	42.5	43.0	43.2
≥ 4500		22.9	25.8	31.1	38.9	39.7	42.2	43.3	44.1	44.2	44.3	44.3	44.3	44.7	45.3	45.5
≥ 4000		24.0	27.1	32.4	40.2	41.0	43.4	44.8	45.6	45.7	45.8	45.8	45.8	46.2	46.8	47.0
≥ 3500		25.8	29.1	34.5	43.1	43.9	46.3	48.0	48.7	48.8	48.9	48.9	48.9	49.4	49.9	50.1
≥ 3000		27.4	31.0	36.8	45.6	46.3	49.2	51.2	51.9	52.2	52.3	52.3	52.3	52.7	53.2	53.4
≥ 2500		30.9	34.4	40.5	49.8	50.5	53.9	56.0	56.8	57.0	57.1	57.1	57.2	57.6	58.2	58.4
≥ 2000		34.1	38.0	44.2	54.1	54.8	58.6	60.8	61.5	61.9	62.0	62.0	62.2	62.6	63.1	63.3
≥ 1800		34.5	38.4	44.7	54.9	55.7	59.5	61.7	62.5	62.9	63.0	63.0	63.1	63.5	64.1	64.3
≥ 1500		38.8	43.0	50.0	61.1	61.8	65.9	68.5	69.2	70.0	70.1	70.1	70.2	70.6	71.2	71.4
≥ 1200		40.9	45.5	53.1	65.7	66.6	70.9	73.7	74.5	75.6	75.7	75.7	75.8	76.2	76.8	77.0
≥ 1000		42.6	47.6	55.7	69.0	70.0	75.1	78.0	78.9	80.2	80.3	80.3	80.4	80.9	81.4	81.6
≥ 900		42.8	48.1	56.1	69.8	70.8	76.2	79.1	80.1	81.6	81.7	81.7	81.8	82.3	82.8	83.0
≥ 800		43.2	48.7	57.2	71.3	72.3	78.2	81.2	82.6	84.1	84.2	84.2	84.3	84.7	85.3	85.5
≥ 700		43.9	49.5	58.4	73.0	74.0	80.4	83.7	85.4	87.3	87.4	87.4	87.5	88.0	88.5	88.7
≥ 600		44.0	49.7	58.7	73.8	74.8	81.5	84.9	86.7	88.6	88.7	88.7	88.8	89.2	89.8	90.0
≥ 500		44.4	50.1	59.2	74.5	75.6	83.0	86.8	88.6	91.0	91.3	91.4	91.5	92.0	92.6	92.8
≥ 400		44.4	50.1	59.2	74.6	75.8	83.8	87.8	89.9	92.5	93.1	93.2	93.3	93.9	94.4	94.6
≥ 300		44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.0	94.7	94.8	94.9	96.0	96.6	96.8
≥ 200		44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.4	95.4	95.5	95.9	97.4	98.3	98.9
≥ 100		44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.4	95.4	95.5	95.9	97.4	98.7	100.0
≥ 0		44.4	50.1	59.2	74.6	75.8	83.8	88.2	90.6	94.4	95.4	95.5	95.9	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400 (HOUR (LST))

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥5	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/8	≥½	≥0
NO CEILING	23.7	25.4	26.9	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 20000	29.4	31.4	33.8	36.8	37.1	37.4	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 15000	29.5	31.5	33.9	36.9	37.2	37.5	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 10000	29.6	31.6	34.0	37.0	37.4	37.6	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 9000	29.8	31.9	34.2	37.2	37.6	37.8	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 8000	29.8	31.9	34.3	37.5	37.8	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 7000	31.1	33.3	35.9	39.1	39.4	39.6	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 6000	31.6	33.8	36.4	39.6	39.9	40.2	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 5000	32.7	35.1	38.1	41.6	41.9	42.2	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 4500	33.4	35.7	38.8	42.3	42.6	42.9	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 4000	33.6	36.0	39.1	42.6	42.9	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 3500	33.8	36.2	39.3	43.2	43.7	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 3000	34.7	37.0	40.3	44.1	44.7	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 2500	35.7	38.2	41.6	45.5	46.1	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 2000	39.0	41.4	45.0	49.1	49.7	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 1800	44.2	46.8	50.8	55.1	55.8	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 1500	50.8	53.7	58.1	62.6	63.5	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 1200	55.9	59.6	64.9	69.9	70.8	71.7	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 1000	57.6	61.5	67.0	72.3	73.3	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 900	61.6	65.7	72.0	78.0	79.0	80.3	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	64.3	68.9	75.8	83.2	84.2	85.6	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	65.0	69.9	77.1	85.5	86.4	88.4	89.2	89.5	89.7	89.7	89.9	89.9	89.9	89.9	89.9
≥ 600	65.4	70.5	78.0	86.9	87.	90.0	91.0	91.2	91.4	91.4	91.6	91.6	91.6	91.6	91.6
≥ 500	65.9	70.9	79.1	88.2	89.1	91.7	92.7	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3
≥ 400	66.2	71.3	79.5	89.3	90.3	93.1	94.2	94.6	94.8	94.8	95.0	95.0	95.0	95.0	95.0
≥ 300	66.3	71.4	79.7	89.7	90.9	93.8	95.0	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.0
≥ 200	66.3	71.4	79.7	90.0	91.2	94.5	95.9	96.4	96.9	96.9	97.1	97.1	97.1	97.1	97.1
≥ 100	66.3	71.4	79.8	90.2	91.4	94.9	96.4	97.1	97.7	97.7	98.0	98.0	98.0	98.0	98.0
≥ 0	66.3	71.4	80.0	90.5	91.7	95.3	96.9	97.5	98.3	98.4	98.6	98.8	99.0	99.0	99.0
	66.3	71.4	80.0	90.5	91.7	95.3	96.9	97.5	98.3	98.6	98.9	99.1	99.6	99.6	99.6
	66.3	71.4	80.0	90.6	91.8	95.4	97.0	97.6	98.4	98.7	99.1	99.4	100.0	100.0	100.0
	66.3	71.4	80.0	90.6	91.8	95.4	97.0	97.6	98.4	98.7	99.1	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥	≥	≥	≥	≥	≥	≥	≥0
NO CEILING	27.7	28.3	29.0	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 20000	36.8	37.5	38.5	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 8000	36.9	37.6	38.8	39.7	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 6000	37.0	37.7	38.9	39.8	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 4000	37.6	38.4	39.6	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 2000	38.7	40.0	41.3	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 1000	40.9	42.2	43.4	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 900	41.2	42.5	43.8	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 800	43.4	45.1	46.5	47.4	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 700	44.1	45.8	47.3	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 600	44.1	45.8	47.3	48.5	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 500	45.6	47.4	49.0	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 450	47.6	49.5	51.1	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 400	49.7	51.5	53.4	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 350	53.9	55.8	57.7	59.6	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 300	57.1	59.2	61.4	63.3	63.7	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 250	63.9	67.0	69.5	71.7	72.2	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 200	69.6	73.1	76.1	78.5	78.9	79.2	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 150	70.9	74.5	77.5	80.2	80.8	81.1	81.1	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 100	74.1	78.3	81.5	84.9	85.6	86.2	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 70	75.6	80.6	84.3	89.2	90.2	91.0	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 50	76.0	81.5	85.4	90.9	91.8	92.7	93.0	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 30	76.1	81.6	85.6	91.1	92.2	93.1	93.4	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 20	76.5	81.9	85.9	91.9	93.1	94.7	95.2	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 15	76.9	82.4	86.5	93.0	94.2	95.8	96.2	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 10	76.9	82.4	86.5	93.3	94.5	96.2	96.7	97.5	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 5	76.9	82.4	86.5	93.3	94.5	96.2	96.8	97.8	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4	76.9	82.4	86.6	93.4	94.6	96.3	97.1	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3	76.9	82.4	86.6	93.4	94.6	96.6	97.3	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2	76.9	82.4	86.6	93.4	94.6	96.7	97.5	98.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1	76.9	82.4	86.6	93.4	94.6	96.7	97.5	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	76.9	82.4	86.6	93.4	94.6	96.7	97.5	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC OPR AUG 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-78 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥	≥	≥	≥	≥	≥	≥	≥0
NO CEILING		31.4	32.3	33.2	34.2	34.3	34.9	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 20000		39.4	40.5	41.6	42.8	42.9	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 8000		39.6	40.8	41.8	43.0	43.1	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 7000		39.8	41.0	42.0	42.3	43.4	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 6000		40.0	41.2	42.3	43.5	43.7	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 5000		41.4	42.7	43.9	45.4	45.6	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 4500		43.4	44.8	46.5	48.1	48.3	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 4000		44.4	45.8	47.4	49.1	49.4	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 3500		47.3	48.6	50.5	52.3	52.5	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 3000		48.3	49.9	51.7	53.7	53.9	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 2500		48.3	50.0	51.9	53.9	54.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
2000		49.9	51.7	53.7	55.6	55.8	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1800		53.2	55.1	57.1	59.1	59.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 1500		56.5	58.3	60.3	62.5	62.7	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1200		59.1	61.1	63.3	65.5	65.7	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 1000		62.9	64.9	67.3	69.6	69.8	71.2	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 900		65.7	68.1	70.6	73.4	74.1	75.7	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 800		69.4	71.9	74.5	78.0	78.7	80.6	81.2	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 700		70.0	72.6	75.5	79.1	79.9	81.8	82.4	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 600		72.7	75.5	78.8	82.9	83.8	86.0	86.7	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 500		74.4	77.8	82.5	86.7	87.6	90.1	90.9	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400		74.5	78.3	83.0	87.4	88.4	91.1	92.2	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 300		74.6	78.5	83.2	87.8	88.9	91.6	92.8	93.4	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 200		74.7	78.6	83.4	88.4	89.6	92.7	94.1	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 100		74.7	78.6	83.5	88.6	89.8	93.0	94.4	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 0		74.8	78.7	83.7	88.9	90.2	93.7	95.1	96.1	97.0	97.1	97.1	97.2	97.3	97.3	97.3
≥ 500		74.8	78.8	83.9	89.4	90.6	94.1	95.6	96.8	97.7	97.8	97.8	98.0	98.1	98.1	98.1
≥ 400		74.8	78.8	83.9	89.4	90.6	94.1	95.8	97.0	98.2	98.3	98.4	98.5	98.6	98.6	98.6
≥ 300		74.8	78.8	83.9	89.4	90.6	94.1	95.8	97.1	98.3	98.6	98.8	98.9	99.1	99.1	99.1
≥ 200		74.8	78.8	83.9	89.4	90.6	94.1	95.8	97.1	98.7	99.0	99.2	99.4	99.7	99.7	99.7
≥ 100		74.8	78.8	83.9	89.4	90.6	94.1	95.9	97.2	98.8	99.1	99.5	99.6	99.9	99.9	99.9
≥ 0		74.8	78.8	83.9	89.5	90.8	94.2	96.0	97.3	98.9	99.2	99.6	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

34043 BITBURG AB GERMANY 69-78 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	36.9	37.7	38.4	39.7	39.7	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.9
≥ 20000	41.3	42.3	42.9	44.4	44.6	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.9
≥ 15000	41.6	42.6	43.2	44.7	44.9	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.2
≥ 10000	41.9	42.9	43.5	45.1	45.3	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.6
≥ 9000	42.0	43.0	43.7	45.2	45.4	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6	46.7
≥ 8000	43.0	44.2	44.8	46.7	46.9	47.5	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.2
≥ 7000	44.6	45.9	46.8	48.9	49.1	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.5
≥ 6000	45.6	46.9	47.7	50.0	50.2	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.6
≥ 5000	46.9	48.3	49.1	51.4	51.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.3
≥ 4500	48.3	49.7	50.6	52.9	53.1	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.9
≥ 4000	49.1	50.5	51.6	53.9	54.1	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.8	55.9
≥ 3500	51.1	52.5	53.5	55.8	56.0	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.8
≥ 3000	55.3	56.8	57.8	60.1	60.3	61.3	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.2
≥ 2500	58.4	59.9	61.0	63.2	63.5	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.7
≥ 2000	61.0	62.6	64.0	66.2	66.6	67.7	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.7
≥ 1800	63.3	65.1	66.9	69.5	69.8	71.0	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.9
≥ 1500	65.8	67.6	69.6	72.2	72.5	73.8	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.7
≥ 1200	67.8	69.7	71.9	75.5	75.8	77.2	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.3
≥ 1000	69.1	71.0	73.5	77.1	77.4	78.8	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.9
≥ 900	72.4	74.5	77.7	81.8	82.2	83.9	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.9
≥ 800	74.4	77.0	81.2	85.5	85.8	87.6	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.9
≥ 700	75.4	78.0	82.3	87.1	87.4	89.4	90.2	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.1
≥ 600	75.9	78.5	82.8	87.7	88.1	90.2	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.8	91.9
≥ 500	76.2	78.8	83.2	88.6	88.9	91.2	92.2	92.8	93.1	93.1	93.1	93.1	93.1	93.2	93.3
≥ 400	76.6	79.4	84.1	89.9	90.2	92.6	93.5	94.3	94.8	94.8	94.8	94.8	94.8	94.9	95.1
≥ 300	76.6	79.4	84.1	89.9	90.3	92.8	93.8	94.5	95.1	95.2	95.2	95.2	95.2	95.3	95.4
≥ 200	77.2	80.0	84.8	90.8	91.3	94.0	95.2	96.0	96.6	96.7	96.7	96.7	96.7	96.8	96.9
≥ 100	77.2	80.0	84.8	90.8	91.3	94.0	95.4	96.2	96.8	96.9	96.9	97.2	97.2	97.3	97.4
≥ 0	77.2	80.0	84.8	91.1	91.7	94.5	96.0	97.0	97.6	97.7	97.7	98.1	98.3	98.4	98.5
	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	98.9	99.4	99.6	99.8	99.9
	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	99.0	99.5	99.7	99.9	100.0
	77.2	80.0	84.8	91.1	91.7	94.5	96.6	97.5	98.5	98.7	99.0	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 09-78 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 0	≥ 1/4	≥ 1/2	≥ 3/4	≥ 1	≥ 1 1/4	≥ 1 1/2	≥ 1 3/4	≥ 2	≥ 2 1/2	≥ 3	≥ 4	≥ 5	≥ 7	≥ 10
NO CEILING	27.0	28.5	30.0	32.2	32.4	33.2	33.7	33.8	33.9	33.9	34.0	34.0	34.0	34.1	34.2
≥ 22000	31.5	33.2	34.9	37.5	37.9	38.8	39.4	39.6	39.7	39.7	39.7	39.8	39.8	40.0	40.0
≥ 18000	31.7	33.3	35.1	37.8	38.1	39.0	39.6	39.9	39.9	39.9	40.0	40.0	40.0	40.2	40.3
≥ 17000	31.8	33.5	35.3	37.9	38.2	39.2	39.8	40.0	40.1	40.1	40.1	40.2	40.2	40.3	40.4
≥ 16000	32.0	33.6	35.4	38.1	38.4	39.3	39.9	40.2	40.3	40.3	40.3	40.3	40.4	40.5	40.6
≥ 15000	32.5	34.2	36.1	38.8	39.2	40.1	40.7	41.0	41.1	41.1	41.1	41.1	41.2	41.3	41.4
≥ 14000	33.7	35.5	37.7	40.6	40.9	41.9	42.5	42.8	42.9	42.9	43.0	43.0	43.0	43.2	43.3
≥ 13000	34.2	36.1	38.3	41.2	41.6	42.6	43.2	43.5	43.6	43.6	43.6	43.7	43.7	43.8	43.9
≥ 12000	35.8	37.8	40.1	43.2	43.6	44.7	45.3	45.8	45.8	45.9	45.9	46.0	46.0	46.2	46.3
≥ 11000	36.6	38.7	41.0	44.2	44.7	45.8	46.4	46.9	46.9	47.0	47.0	47.1	47.1	47.3	47.4
≥ 10000	36.8	38.8	41.2	44.4	44.9	46.0	46.6	47.1	47.1	47.2	47.2	47.3	47.4	47.5	47.6
≥ 9000	38.2	40.4	42.8	46.2	46.7	47.8	48.5	49.0	49.1	49.1	49.1	49.2	49.3	49.5	49.6
≥ 8000	40.6	43.0	45.7	49.1	49.6	50.8	51.5	52.0	52.0	52.0	52.1	52.2	52.3	52.4	52.6
≥ 7000	42.7	45.2	48.0	51.5	52.0	53.3	54.1	54.6	54.7	54.7	54.7	54.8	54.9	55.1	55.2
≥ 6000	45.1	47.7	50.6	54.3	54.9	56.2	57.0	57.5	57.6	57.6	57.7	57.8	57.8	58.1	58.2
≥ 5000	48.1	51.0	54.2	58.3	58.8	60.3	61.2	61.7	61.8	61.9	61.9	62.0	62.1	62.3	62.5
≥ 4500	51.5	54.7	58.2	62.6	63.2	64.8	65.9	66.4	66.5	66.5	66.6	66.7	66.7	67.0	67.1
≥ 4000	55.2	58.6	62.5	67.3	68.1	69.9	70.9	71.5	71.7	71.7	71.8	71.9	72.0	72.2	72.3
≥ 3500	56.2	59.7	63.8	68.9	69.7	71.5	72.6	73.2	73.4	73.4	73.5	73.6	73.7	73.9	74.0
≥ 3000	59.5	63.3	67.9	73.6	74.4	76.6	77.9	78.5	78.8	78.8	78.9	79.0	79.0	79.2	79.4
≥ 2500	61.8	66.1	71.4	77.9	78.8	81.3	82.8	83.5	83.8	83.8	83.9	84.0	84.1	84.3	84.4
≥ 2000	63.3	68.0	73.5	80.5	81.4	84.2	85.0	86.6	87.1	87.1	87.2	87.3	87.3	87.6	87.7
≥ 1800	63.6	68.5	74.0	81.2	82.2	85.2	86.9	87.7	88.2	88.2	88.3	88.4	88.5	88.7	88.8
≥ 1500	64.1	69.0	74.8	82.3	83.3	86.8	88.5	89.4	90.0	90.1	90.2	90.3	90.3	90.5	90.7
≥ 1200	64.4	69.4	75.5	83.5	84.5	88.2	90.1	91.2	91.9	92.0	92.1	92.2	92.2	92.5	92.6
≥ 1000	64.5	69.5	75.7	83.9	85.0	89.0	91.0	92.1	92.9	93.0	93.1	93.2	93.2	93.5	93.6
≥ 900	64.7	69.8	76.0	84.5	85.6	89.8	92.0	93.3	94.2	94.4	94.5	94.6	94.7	94.9	95.1
≥ 800	64.7	69.8	76.1	84.6	85.8	90.2	92.6	94.0	95.1	95.4	95.5	95.6	95.8	96.0	96.2
≥ 700	64.7	69.8	76.1	84.7	85.9	90.4	92.9	94.6	95.9	96.3	96.5	96.7	97.1	97.4	97.6
≥ 600	64.7	69.8	76.1	84.7	85.9	90.5	93.1	94.9	96.6	97.1	97.3	97.8	98.3	98.8	99.3
≥ 500	64.7	69.8	76.1	84.7	85.9	90.5	93.2	94.9	96.6	97.2	97.5	97.9	98.5	99.1	99.9
≥ 0	64.7	69.8	76.1	84.8	86.0	90.5	93.2	94.9	96.7	97.2	97.5	97.9	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7436

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

34049 BITBURG AB GERMANY 69-78 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING (FT)	VISIBILITY (STATUTE MILES)														
	≥ 10	10	9	8	7	6	5	4	3	2½	2	1½	1	½	0
NO CEILING	47.8	43.7	44.3	45.6	46.0	46.5	46.7	46.7	46.7	46.7	46.9	46.9	47.1	47.1	47.1
≥ 20000	46.9	48.1	48.7	50.2	50.9	51.7	51.9	51.9	51.9	51.9	52.0	52.0	52.3	52.3	52.3
≥ 9000	46.9	48.1	48.7	50.2	50.9	51.7	51.9	51.9	51.9	51.9	52.0	52.0	52.3	52.3	52.3
≥ 5000	46.9	48.1	48.7	50.2	50.9	51.7	51.9	51.9	51.9	51.9	52.0	52.0	52.3	52.3	52.3
≥ 4000	47.2	48.5	49.1	50.6	51.3	52.0	52.3	52.3	52.3	52.3	52.4	52.4	52.6	52.6	52.6
≥ 3500	47.6	49.0	49.6	51.0	51.8	52.5	52.8	52.8	52.8	52.8	52.9	52.9	53.1	53.1	53.1
≥ 3000	49.7	51.2	51.8	53.3	54.0	54.7	55.0	55.0	55.0	55.0	55.1	55.1	55.4	55.4	55.4
≥ 2500	50.4	51.9	52.5	54.0	54.7	55.5	55.7	55.7	55.7	55.7	55.8	55.8	56.1	56.1	56.1
≥ 2000	53.0	54.5	55.1	56.6	57.3	58.1	58.3	58.3	58.3	58.3	58.4	58.4	58.7	58.7	58.7
≥ 1800	53.5	55.0	56.0	57.4	58.2	58.9	59.2	59.2	59.2	59.2	59.3	59.3	59.5	59.5	59.5
≥ 1600	53.9	55.4	56.3	57.8	58.5	59.3	59.5	59.5	59.5	59.5	59.7	59.7	59.9	59.9	59.9
≥ 1400	56.8	58.9	59.9	61.4	62.1	62.9	63.1	63.1	63.1	63.1	63.2	63.2	63.5	63.5	63.5
≥ 1200	60.0	62.4	63.3	64.8	65.6	66.3	66.7	66.7	66.7	66.7	66.8	66.8	67.0	67.0	67.0
≥ 1000	63.1	65.4	66.4	68.0	68.8	69.5	69.9	69.9	69.9	69.9	70.0	70.0	70.2	70.2	70.2
≥ 900	66.7	69.1	70.4	72.2	72.9	73.8	74.2	74.2	74.2	74.2	74.3	74.3	74.5	74.5	74.5
≥ 800	68.4	71.1	72.4	74.3	75.0	75.9	76.3	76.3	76.3	76.3	76.4	76.4	76.6	76.6	76.6
≥ 700	70.7	73.6	74.9	76.9	77.6	78.5	78.8	78.8	78.8	78.8	79.0	79.0	79.2	79.2	79.2
≥ 600	75.9	78.7	80.3	82.3	83.0	84.3	84.6	84.6	84.6	84.6	84.7	84.7	85.0	85.0	85.0
≥ 500	76.9	79.7	81.4	83.4	84.1	85.4	85.7	85.7	85.7	85.7	85.9	85.9	86.1	86.1	86.1
≤ 500	80.0	82.9	84.6	86.7	87.7	88.9	89.4	89.5	89.5	89.5	89.7	89.7	89.9	89.9	89.9
≥ 400	85.0	86.1	87.8	90.3	91.3	92.7	93.2	93.4	93.4	93.4	93.5	93.5	93.7	93.7	93.7
≥ 300	83.8	86.8	88.6	91.3	92.3	93.7	94.2	94.3	94.3	94.3	94.5	94.5	94.7	94.7	94.7
≥ 200	83.8	86.8	88.8	91.6	92.6	94.2	94.7	94.8	95.0	95.0	95.1	95.1	95.3	95.3	95.3
≥ 100	84.0	87.2	89.3	92.3	93.2	94.8	95.3	95.6	95.7	95.7	95.8	95.8	96.1	96.1	96.1
≥ 0	84.9	88.1	90.2	93.1	94.1	95.8	96.3	96.6	96.7	96.7	96.8	96.8	97.0	97.0	97.0
	85.0	88.3	90.4	93.5	94.5	96.2	96.7	96.9	97.0	97.0	97.2	97.2	97.4	97.4	97.4
	85.0	88.3	90.8	93.8	94.8	96.7	97.2	97.5	97.8	97.8	97.9	97.9	98.2	98.2	98.2
	85.1	88.4	90.9	94.0	95.2	97.0	97.5	97.9	98.3	98.4	98.5	98.5	98.8	98.8	98.8
	85.2	88.6	91.0	94.1	95.3	97.2	97.7	98.3	99.1	99.3	99.4	99.4	99.6	99.8	99.8
	85.2	88.6	91.0	94.1	95.3	97.2	97.7	98.3	99.1	99.3	99.4	99.5	99.8	99.9	99.9
	85.2	88.6	91.0	94.1	95.3	97.2	97.7	98.3	99.1	99.3	99.4	99.5	99.9	100.0	100.0
	85.2	88.6	91.0	94.1	95.3	97.2	97.7	98.3	99.1	99.3	99.4	99.5	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 813

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

34049 BITBURG AB GERMANY 69-78 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	>0	≥0
NO CEILING	39.3	40.6	41.2	43.6	43.6	44.9	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.8	45.8
≥ 20000	42.0	43.3	43.9	46.3	46.3	48.0	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.9	48.9
≥ 8000	42.1	43.4	44.0	46.4	46.4	48.1	48.7	48.7	48.9	48.9	48.9	48.9	48.9	49.0	49.0
≥ 6000	42.1	43.4	44.0	46.4	46.4	48.1	48.7	48.7	48.9	48.9	48.9	48.9	48.9	49.0	49.0
≥ 4000	42.2	43.6	44.2	46.5	46.5	48.2	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.2	.2
≥ 3000	42.5	43.8	44.4	46.8	46.8	48.4	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.4	.4
≥ 2500	43.6	44.9	45.5	47.9	47.9	49.5	50.1	50.1	50.4	50.4	50.4	50.4	50.4	50.5	50.5
≥ 2000	43.8	45.1	45.7	48.1	48.1	49.8	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.7	50.7
≥ 1800	46.3	47.6	48.2	50.7	50.8	52.6	53.3	53.3	53.6	53.6	53.6	53.6	53.6	53.7	53.7
≥ 1500	47.1	48.4	49.0	51.7	51.8	53.6	54.3	54.3	54.5	54.5	54.5	54.5	54.5	54.7	54.7
≥ 1000	47.1	48.4	49.0	51.7	51.9	53.8	54.5	54.5	54.8	54.8	54.8	54.8	54.8	54.9	54.9
≥ 900	48.9	50.6	51.2	53.8	54.1	56.0	56.7	56.7	56.9	56.9	56.9	56.9	56.9	57.0	57.0
≥ 800	51.4	53.2	53.9	56.6	56.8	58.8	59.5	59.5	59.8	59.8	59.8	59.8	59.8	59.9	59.9
≥ 700	56.0	58.1	58.9	61.7	61.9	64.0	64.7	64.7	64.9	64.9	64.9	64.9	64.9	65.0	65.0
≥ 600	57.9	60.1	61.2	64.1	64.3	66.3	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.7	67.7
≥ 500	59.7	62.3	63.6	66.5	66.7	68.9	69.9	70.0	70.3	70.3	70.3	70.3	70.3	70.4	70.4
≥ 450	63.1	66.1	67.4	70.8	71.0	73.2	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.7	74.7
≥ 400	66.6	69.8	71.5	75.4	75.7	77.8	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.4	79.4
≥ 350	67.4	70.6	72.3	76.3	76.5	78.6	79.7	80.1	80.3	80.3	80.3	80.3	80.3	80.4	80.4
≥ 300	71.0	74.3	76.3	80.8	81.0	83.2	84.2	84.8	85.1	85.1	85.1	85.1	85.1	85.2	85.2
≥ 250	75.2	78.5	80.4	85.4	85.8	88.2	89.5	90.2	90.5	90.5	90.5	90.5	90.5	90.6	90.6
≥ 200	76.7	80.1	82.0	87.2	87.6	90.0	91.3	92.1	92.4	92.4	92.4	92.4	92.4	92.5	92.5
≥ 180	77.0	80.3	82.2	87.7	88.1	90.5	91.8	92.6	92.8	92.8	92.8	92.8	92.8	93.0	93.0
≥ 150	77.1	80.4	82.3	88.2	88.7	91.2	92.6	93.6	93.8	93.8	93.8	93.8	93.8	93.9	93.9
≥ 100	78.4	81.9	83.8	89.7	90.2	92.7	94.2	95.1	95.3	95.3	95.3	95.3	95.3	95.5	95.5
≥ 50	78.5	82.0	83.9	89.9	90.3	93.0	94.5	95.6	95.8	95.8	95.8	95.8	95.8	95.9	95.9
≥ 0	78.5	82.0	83.9	89.9	90.3	93.0	95.2	96.5	96.9	96.9	96.9	96.9	97.1	97.3	97.3
	78.5	82.0	83.9	89.9	90.3	93.4	95.7	97.3	97.6	97.6	97.6	97.6	98.0	98.1	98.1
	78.5	82.0	83.9	89.9	90.3	93.4	95.7	97.4	98.0	98.0	98.0	98.0	98.4	98.7	98.7
	78.5	82.0	83.9	89.9	90.3	93.4	95.7	97.4	98.0	98.3	98.3	98.3	98.9	99.5	99.6
	78.5	82.0	83.9	89.9	90.3	93.4	95.7	97.4	98.1	98.4	98.4	98.4	99.0	99.8	99.9
	78.5	82.0	83.9	89.9	90.3	93.4	95.8	97.5	98.2	98.6	98.6	98.6	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 830

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

34042 BITBURG AB GERMANY 69-78 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	10	5	4	3	2	1½	1	¾	½	¼	0	¼	½	1	2
UNLIMITED	24.3	28.2	29.1	33.6	34.1	37.	38.4	38.8	39.0	39.1	39.1	39.2	39.3	39.6	39.6	
≥ 20000	30.8	33.0	33.9	39.1	39.8	42.7	44.2	44.8	45.0	45.1	45.1	45.2	45.3	45.6	45.7	
≥ 18000	30.9	33.1	34.1	39.3	40.0	42.9	44.4	45.0	45.2	45.3	45.3	45.4	45.6	45.8	45.9	
≥ 16000	30.9	33.1	34.1	39.3	40.0	42.9	44.4	45.0	45.2	45.3	45.3	45.4	45.6	45.8	45.9	
≥ 14000	31.0	33.2	34.2	39.4	40.1	43.1	44.7	45.2	45.4	45.6	45.6	45.7	45.8	46.0	46.1	
≥ 12000	31.2	33.4	34.4	39.7	40.3	43.3	44.9	45.4	45.7	45.8	45.8	45.9	46.0	46.2	46.3	
≥ 10000	33.0	35.2	36.3	41.6	42.2	45.3	46.9	47.4	47.7	47.8	47.8	47.9	48.0	48.2	48.3	
≥ 9000	33.8	36.0	37.1	42.3	43.0	46.2	47.8	48.3	48.6	48.7	48.7	48.8	48.9	49.1	49.2	
≥ 8000	35.8	38.2	39.6	45.1	45.8	49.1	50.7	51.2	51.4	51.6	51.6	51.7	51.8	52.0	52.1	
≥ 7000	36.7	39.6	40.9	46.7	47.3	51.0	52.6	53.1	53.3	53.4	53.4	53.6	53.7	53.9	54.0	
≥ 6000	37.0	39.9	41.2	47.1	47.8	51.4	53.0	53.6	53.8	53.9	53.9	54.0	54.1	54.3	54.4	
≥ 5000	38.0	41.2	42.8	48.9	49.8	53.4	55.0	55.6	55.8	55.9	55.9	56.0	56.1	56.3	56.4	
≥ 4500	40.3	43.7	45.2	51.6	52.6	56.3	57.9	58.4	58.7	58.8	58.8	58.9	59.0	59.2	59.3	
≥ 4000	42.8	46.6	48.2	55.1	56.1	60.0	61.6	62.1	62.4	62.7	62.7	62.8	62.9	63.2	63.4	
≥ 3500	43.9	47.7	49.4	56.6	57.6	61.4	63.1	63.7	64.0	64.2	64.2	64.3	64.4	64.8	65.1	
≥ 3000	45.4	49.6	51.2	58.7	59.8	63.8	65.4	66.0	66.3	66.6	66.6	66.7	66.8	67.1	67.4	
≥ 2500	47.9	52.2	54.0	61.0	62.8	66.9	68.7	69.2	69.6	69.8	69.8	69.9	70.0	70.3	70.7	
≥ 2000	51.0	55.8	57.8	65.8	67.0	71.4	73.2	73.8	74.1	74.3	74.3	74.4	74.5	74.9	75.2	
≥ 1800	51.7	56.4	58.0	66.8	68.1	72.6	74.3	75.0	75.3	75.6	75.6	75.7	75.8	76.1	76.4	
≥ 1500	56.2	61.2	63.7	72.3	73.9	78.3	80.1	81.0	81.3	81.6	81.6	81.7	81.8	82.1	82.4	
≥ 1200	59.1	64.2	67.0	76.2	78.0	82.6	84.3	85.2	85.6	85.8	85.9	86.0	86.1	86.4	86.8	
≥ 1000	60.6	65.8	68.7	78.4	80.3	84.9	86.8	87.7	88.0	88.2	88.3	88.4	88.6	88.9	89.2	
≥ 900	61.1	66.6	69.4	79.6	81.4	86.0	88.1	89.0	89.3	89.6	89.7	89.8	89.9	90.2	90.6	
≥ 800	61.2	66.8	69.9	80.3	82.2	87.0	89.4	90.4	90.8	91.0	91.1	91.2	91.3	91.7	92.0	
≥ 700	61.3	67.0	70.4	81.2	83.2	88.2	91.3	92.3	92.7	92.9	93.0	93.1	93.2	93.6	93.9	
≥ 600	61.3	67.0	70.8	81.7	83.7	88.7	91.9	92.9	93.2	93.4	93.6	93.7	93.8	94.1	94.4	
≥ 500	61.3	67.0	70.8	81.7	83.7	88.7	92.1	93.4	93.9	94.2	94.3	94.4	94.6	95.0	95.3	
≥ 400	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.6	95.1	95.4	95.8	95.9	96.0	96.4	96.8	
≥ 300	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.7	95.4	95.9	96.2	96.4	96.6	97.0	97.3	
≥ 200	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.8	95.8	96.3	96.7	97.1	97.6	98.2	99.2	
≥ 100	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.8	95.9	96.4	96.8	97.2	97.9	98.7	99.8	
= 0	61.3	67.0	70.8	81.8	84.0	89.3	93.0	94.8	96.0	96.6	96.9	97.3	98.0	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM AUG 74 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (WBAN) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100 (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ ½	≥ 1	≥ 1½	≥ 2	≥ 2½	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 15	≥ 20
NO CEILING	26.3	27.5	28.9	31.7	32.3	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 25000	31.7	33.3	35.4	38.5	39.0	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000	31.8	33.4	35.6	38.7	39.3	40.4	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	31.8	33.4	35.6	38.7	39.3	40.4	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 14000	31.9	33.5	35.7	38.8	39.4	40.5	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 12000	32.3	33.8	36.0	39.2	39.7	40.8	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 10000	34.5	36.0	38.4	41.7	42.3	43.4	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 9000	35.5	37.0	39.4	42.9	43.5	44.6	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 8000	37.3	38.9	41.3	44.9	45.5	46.6	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 7000	37.9	39.6	42.0	45.8	46.5	47.8	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 6000	38.6	40.4	42.8	46.6	47.4	48.6	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 5000	39.7	41.5	44.0	47.8	48.6	49.8	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 4500	41.4	43.2	45.7	49.5	50.3	51.5	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 4000	43.0	45.2	47.7	51.6	52.5	53.8	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 3500	44.7	46.9	49.5	53.5	54.4	55.7	56.0	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3000	48.5	50.8	53.4	57.8	58.7	60.1	60.3	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 2500	52.4	54.8	57.6	62.1	63.0	64.5	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 2000	58.8	61.6	65.0	70.5	71.4	73.1	73.3	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	60.7	63.5	67.0	72.6	73.5	75.2	75.4	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1500	67.2	70.3	74.2	80.2	81.1	82.9	83.1	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1400	69.1	72.4	76.5	83.1	84.0	85.9	86.3	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1300	71.2	74.5	78.9	86.1	87.1	89.0	89.5	90.5	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	71.6	75.0	79.3	86.6	87.9	89.8	90.3	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1100	72.2	75.5	80.0	87.7	88.8	90.7	91.4	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	72.6	76.1	80.6	88.9	90.0	92.0	92.8	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	72.9	76.3	81.0	89.4	90.5	92.8	93.5	94.7	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800	72.9	76.3	81.2	89.9	91.0	93.4	94.4	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	72.9	76.3	81.2	90.0	91.1	93.7	94.7	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.6	97.7	97.7	97.9	97.9	97.9	97.9
≥ 500	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.8	97.9	98.2	98.7	98.9	99.6	99.6
≥ 400	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.8	97.9	98.2	98.8	99.1	99.9	99.9
≥ 300	72.9	76.3	81.3	90.1	91.2	93.8	94.9	96.2	97.4	97.8	97.9	98.2	98.8	99.1	100.0	100.0
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 899

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	29.3	29.7	30.3	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000	36.0	36.3	37.0	38.0	38.0	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 18000	36.3	36.7	37.3	38.3	38.3	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 16000	36.3	36.7	37.3	38.3	38.3	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 14000	36.3	36.7	37.3	38.3	38.3	38.4	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 12000	36.8	37.1	38.1	39.1	39.1	39.2	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 10000	37.9	38.2	39.2	40.2	40.2	40.4	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 9000	39.1	39.4	40.4	41.4	41.4	41.7	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 8000	40.9	41.2	42.2	43.2	43.2	43.4	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 7000	41.4	41.8	42.8	43.8	43.8	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 6000	41.8	42.1	43.1	44.1	44.1	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 5000	43.1	43.4	44.4	45.4	45.6	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 4500	45.0	45.3	46.3	47.3	47.4	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 4000	48.7	49.0	50.0	51.0	51.3	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 3500	52.2	52.6	53.7	54.8	55.1	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 3000	58.4	58.9	60.6	61.7	62.0	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 2500	66.3	66.6	68.7	69.9	70.2	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	74.4	75.0	77.3	79.2	79.7	80.4	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	76.0	76.6	79.0	81.0	81.4	82.2	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	79.8	80.7	83.6	85.7	86.2	87.0	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1200	83.0	84.0	87.3	89.6	90.1	91.1	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	83.7	85.1	88.4	91.3	92.0	93.0	93.6	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	84.1	85.6	88.9	91.9	92.6	93.6	94.1	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 800	84.2	86.0	89.9	93.4	94.1	95.1	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	84.6	86.4	90.3	94.4	95.2	96.2	96.9	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	84.6	86.6	90.4	95.0	95.8	96.8	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	84.6	86.6	90.6	95.1	95.9	97.0	97.9	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 300	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
≥ 200	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.3	99.4	99.6	99.8	99.9	99.9	99.9
≥ 100	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.3	99.4	99.6	99.8	100.0	100.0	100.0
≥ 0	84.6	86.6	90.6	95.1	95.9	97.1	98.1	99.0	99.3	99.4	99.6	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS L.T.

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥¾	≥½	≥¼	≥⅛	≥1/16	≥0	≥0	≥0
NO CEILING		29.8	29.9	30.1	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 20000		38.4	38.6	38.8	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 18000		39.0	39.1	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000		39.0	39.1	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000		39.0	39.1	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000		39.0	39.1	39.6	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 10000		40.8	40.9	41.4	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 9000		41.4	41.6	42.1	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 8000		43.3	43.4	44.0	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 7000		44.7	44.8	45.3	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 6000		45.6	45.8	46.3	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 5000		47.8	48.0	48.6	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 4500		50.9	51.1	51.7	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4000		55.4	55.8	56.4	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
500		62.0	62.3	63.0	64.2	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4
000		69.6	69.9	71.0	72.4	72.4	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7
≥ 2500		76.4	76.8	78.1	79.6	79.6	79.7	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2000		81.4	82.1	83.4	85.1	85.1	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800		82.3	83.2	84.6	86.3	86.3	86.4	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500		85.4	86.4	87.9	90.1	90.1	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200		87.2	88.4	90.2	92.8	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1000		87.8	89.1	91.0	94.0	94.3	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9
≥ 900		88.3	89.7	91.6	94.7	95.0	95.2	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800		88.7	90.3	92.4	96.0	96.3	96.6	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700		88.9	90.7	92.8	96.4	96.8	97.2	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600		88.9	90.7	92.9	96.9	97.3	97.9	98.1	98.3	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500		88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200		88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.9	99.9	99.9
≥ 100		88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.9	99.9	100.0
0		88.9	90.7	92.9	97.0	97.4	98.2	98.8	99.2	99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (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	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
NO CEILING	39.8	40.4	40.7	41.6	41.7	42.0	42.0	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3
≥ 20000	49.9	50.5	51.1	52.1	52.2	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	50.6	51.2	51.7	52.7	52.8	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	50.6	51.2	51.7	52.7	52.8	53.2	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	50.8	51.4	51.9	52.9	53.1	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	51.3	51.8	52.4	53.4	53.5	53.8	53.8	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000	52.8	53.5	54.1	55.1	55.2	55.5	55.5	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	54.7	55.6	56.2	57.2	57.3	57.6	57.6	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	57.0	57.8	58.6	59.7	59.8	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	58.3	59.3	60.1	61.2	61.3	61.6	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8
≥ 6000	58.7	59.8	60.6	61.7	61.8	62.2	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4
≥ 5000	60.5	61.7	62.5	63.7	63.8	64.2	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4500	63.5	64.8	65.6	66.9	67.0	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	67.2	68.7	69.5	70.7	70.9	71.3	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	70.3	72.0	72.9	74.3	74.4	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	73.7	75.4	76.8	78.3	78.6	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3
≥ 2500	77.4	79.2	80.6	82.2	82.5	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2000	80.9	83.0	84.8	86.4	86.8	87.2	87.2	87.2	87.4	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	81.3	83.5	85.5	87.3	87.7	88.1	88.1	88.1	88.3	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	84.1	86.4	88.5	90.7	91.0	91.5	91.7	91.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1200	84.6	87.2	89.5	91.9	92.2	93.0	93.4	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1000	85.4	88.2	90.8	93.1	93.4	94.2	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	86.0	88.8	91.3	93.7	94.0	94.8	95.2	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	86.4	89.2	91.9	94.3	94.7	95.6	96.0	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	86.4	89.2	91.9	94.4	94.8	96.0	96.4	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	86.4	89.4	92.2	94.8	95.1	96.7	97.1	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	86.4	89.4	92.3	95.0	95.3	97.0	97.7	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	86.4	89.4	92.3	95.0	95.4	97.1	97.8	98.3	99.1	99.3	99.3	99.4	99.4	99.4	99.4
≥ 300	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0
≥ 100	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0
0	86.4	89.4	92.3	95.0	95.4	97.2	97.9	98.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-70,72-78 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥½	≥0
NO CEILING	48.3	49.3	49.8	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	54.4	55.4	56.4	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	54.4	55.4	56.4	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	54.4	55.4	56.4	57.5	57.5	57.5	57.5	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 14000	54.6	55.6	56.5	57.7	57.7	57.7	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000	55.3	56.3	57.3	58.4	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 10000	56.7	57.7	58.6	59.8	59.8	59.8	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	58.5	59.5	60.6	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	61.4	62.3	63.8	65.2	65.2	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	62.2	63.3	64.8	66.2	66.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 6000	62.6	63.7	65.2	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	64.7	65.9	67.4	69.0	69.0	69.0	69.0	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	69.3	70.5	72.0	73.6	73.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	70.7	72.3	73.8	75.4	75.4	75.6	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3500	73.3	75.1	76.7	78.3	78.3	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	75.2	77.0	78.6	80.2	80.2	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	77.5	79.4	81.0	82.7	82.7	82.8	82.8	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	81.2	83.1	85.2	87.2	87.2	87.4	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1800	81.9	83.8	85.9	87.9	87.9	88.1	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	84.0	85.9	88.1	90.2	90.2	90.7	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200	85.4	87.4	89.6	91.9	91.9	92.3	93.1	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1000	86.2	88.4	90.7	93.2	93.2	93.7	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	86.5	88.8	91.2	94.1	94.1	94.7	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	86.9	89.5	92.0	95.3	95.3	95.9	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	87.4	90.0	92.5	95.9	95.9	96.5	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	87.4	90.0	92.6	96.0	96.0	96.7	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	87.7	90.2	92.8	96.3	96.3	96.9	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	87.7	90.2	92.8	96.3	96.3	96.9	97.8	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	87.7	90.2	92.8	96.3	96.4	97.0	97.9	98.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	87.7	90.2	92.8	96.3	96.4	97.2	98.3	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	87.7	90.2	92.8	96.3	96.4	97.2	98.3	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	87.7	90.2	92.8	96.3	96.4	97.2	98.3	98.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

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

34949 BITBURG AB GERMANY 69-73 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS. ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥	≥	≥	≥	≥5/8	≥	≥0
NO CEILING	34.9	35.8	36.5	38.3	38.5	39.2	39.5	39.6	39.7	39.7	39.7	39.7	39.8	39.8	39.8
≥ 20000	41.0	42.1	42.9	44.9	45.2	46.0	46.3	46.4	46.5	46.6	46.6	46.6	46.7	46.7	46.7
≥ 18000	41.3	42.3	43.2	45.2	45.4	46.3	46.6	46.7	46.8	46.9	46.9	46.9	46.9	47.0	47.0
≥ 16000	41.3	42.3	43.2	45.2	45.4	46.3	46.6	46.7	46.8	46.9	46.9	46.9	46.9	47.0	47.0
≥ 4000	41.4	42.4	43.3	45.3	45.6	46.4	46.8	46.9	47.0	47.0	47.0	47.0	47.1	47.1	47.1
≥ 2000	41.7	42.8	43.7	45.7	46.0	46.9	47.2	47.3	47.4	47.4	47.4	47.5	47.5	47.5	47.6
≥ 0000	43.4	44.4	45.4	47.5	47.7	48.7	49.0	49.1	49.2	49.2	49.2	49.3	49.3	49.3	49.4
≥ 9000	44.4	45.5	46.5	48.6	45.9	49.8	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.5	50.5
≥ 8000	46.6	47.8	48.8	51.1	51.3	52.3	52.6	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.0
≥ 7000	47.5	48.7	49.9	52.1	52.4	53.5	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.2	54.2
≥ 6000	47.9	49.2	50.3	52.6	53.0	54.0	54.4	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7
≥ 5000	49.7	51.1	52.3	54.7	55.1	56.1	56.5	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8
≥ 4500	52.4	54.0	55.2	57.6	57.9	59.0	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.8	59.8
≥ 4000	55.6	57.4	58.6	61.1	61.5	62.7	63.1	63.2	63.3	63.4	63.4	63.4	63.5	63.5	63.6
≥ 3500	58.6	60.5	61.8	64.5	64.9	66.1	66.5	66.6	66.8	66.8	66.8	66.9	66.9	67.0	67.0
≥ 3000	62.1	64.1	65.7	68.5	69.0	70.2	70.6	70.8	71.0	71.0	71.0	71.0	71.1	71.1	71.2
≥ 2500	66.3	68.4	70.1	73.1	73.5	74.8	75.2	75.4	75.6	75.6	75.6	75.6	75.7	75.7	75.8
≥ 2000	71.1	73.5	75.5	78.9	79.4	80.8	81.2	81.4	81.6	81.7	81.7	81.7	81.7	81.8	81.8
≥ 1800	72.1	74.5	76.6	80.1	80.6	82.0	82.5	82.7	82.9	83.0	83.0	83.0	83.0	83.1	83.1
≥ 1500	75.8	78.4	80.8	84.5	85.1	86.5	87.1	87.4	87.6	87.7	87.7	87.7	87.8	87.8	87.9
≥ 1200	78.2	80.9	83.5	87.6	88.2	89.8	90.5	90.9	91.1	91.2	91.2	91.2	91.3	91.3	91.4
≥ 1000	79.3	82.1	84.8	89.3	90.0	91.6	92.4	92.8	93.0	93.1	93.1	93.2	93.2	93.3	93.3
≥ 900	79.7	82.6	85.3	89.9	90.7	92.3	93.1	93.6	93.8	93.9	93.9	93.9	94.0	94.0	94.1
≥ 800	80.0	83.0	85.9	90.9	91.6	93.3	94.2	94.7	95.0	95.1	95.1	95.1	95.2	95.2	95.3
≥ 700	80.4	83.5	86.5	91.7	92.5	94.3	95.3	95.9	96.2	96.3	96.3	96.3	96.4	96.4	96.5
≥ 600	80.5	83.7	86.7	92.1	92.9	94.8	95.8	96.5	96.8	96.9	96.9	96.9	96.9	97.0	97.0
≥ 500	80.5	83.7	86.8	92.3	93.1	95.1	96.4	97.1	97.5	97.6	97.7	97.7	97.7	97.8	97.9
≥ 400	80.5	83.7	86.8	92.3	93.2	95.3	96.7	97.6	98.0	98.1	98.2	98.2	98.3	98.4	98.4
≥ 300	80.6	83.7	86.9	92.4	93.2	95.4	96.7	97.7	98.4	98.6	98.6	98.7	98.8	98.9	99.0
≥ 200	80.6	83.7	86.9	92.4	93.2	95.4	96.8	97.8	98.6	98.8	98.9	99.1	99.3	99.5	99.7
≥ 100	80.6	83.7	86.9	92.4	93.2	95.4	96.8	97.8	98.6	98.8	98.9	99.1	99.4	99.7	99.9
≥ 0	80.6	83.7	86.9	92.4	93.2	95.4	96.8	97.8	98.6	98.9	99.0	99.1	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6959

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

34049 (STATION NUMBER) BITBURG AB GERMANY (STATION NAME) 69-70,72-78 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 0	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥ ⅞	≥ ⅝	≥ ½	≥0
NO CEILING		46.7	47.7	48.1	49.5	49.9	50.0	50.1	50.1	50.4	50.4	50.5	50.5	50.6	50.6	50.6
≥ 20000		50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7
≥ 8000		50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7
≥ 6000		50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7
≥ 4000		50.2	51.3	51.7	53.6	53.9	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.7	54.7	54.7
≥ 2000		51.1	52.2	52.5	54.4	54.8	55.0	55.1	55.1	55.4	55.4	55.5	55.5	55.6	55.6	55.6
≥ 3000		53.3	54.7	55.1	57.1	57.4	57.7	57.8	57.8	58.0	58.0	58.1	58.1	58.3	58.3	58.3
≥ 2900		53.8	55.3	55.7	57.7	58.0	58.3	58.4	58.4	58.6	58.6	58.7	58.7	58.9	58.9	58.9
≥ 8000		57.7	59.1	59.6	61.5	62.0	62.3	62.6	62.7	62.9	62.9	63.0	63.0	63.2	63.2	63.2
≥ 7000		60.2	61.6	62.1	64.0	64.5	64.8	65.1	65.2	65.4	65.4	65.6	65.6	65.7	65.7	65.7
≥ 6000		60.9	62.3	62.8	64.7	65.2	65.6	65.8	65.9	66.1	66.1	66.3	66.3	66.4	66.4	66.4
≥ 5000		63.9	65.7	66.1	68.4	68.9	69.3	69.5	69.6	69.9	69.9	70.0	70.0	70.1	70.1	70.1
≥ 4500		67.9	70.5	71.2	73.7	74.2	74.5	74.8	74.9	75.1	75.1	75.2	75.2	75.4	75.4	75.4
≥ 4000		70.6	73.2	74.0	76.7	77.2	77.5	77.6	77.9	78.1	78.1	78.3	78.3	78.5	78.5	78.5
≥ 3500		72.8	75.5	76.3	79.2	79.7	80.1	80.4	80.5	80.7	80.7	81.0	81.0	81.1	81.1	81.1
≥ 3000		74.5	77.2	78.0	80.9	81.3	81.8	82.1	82.2	82.4	82.4	82.7	82.7	82.8	82.8	82.8
≥ 2500		75.7	78.3	79.2	82.1	82.5	83.0	83.3	83.4	83.6	83.6	83.9	83.9	84.0	84.0	84.0
≥ 2000		77.8	80.6	81.5	84.8	85.3	85.8	86.0	86.1	86.4	86.4	86.6	86.6	86.7	86.7	86.7
≥ 1800		78.5	81.3	82.2	85.6	86.1	86.6	86.8	87.0	87.2	87.2	87.4	87.4	87.6	87.6	87.6
≥ 1500		80.9	84.1	85.2	88.8	89.2	89.8	90.1	90.2	90.4	90.4	90.7	90.7	90.8	90.8	90.8
≥ 1200		82.9	86.4	87.5	91.4	92.0	92.7	92.9	93.1	93.3	93.3	93.5	93.5	93.7	93.7	93.7
≥ 1000		83.6	87.2	88.5	92.7	93.3	94.1	94.6	94.7	95.0	95.0	95.2	95.2	95.3	95.3	95.3
≥ 900		83.7	87.3	88.6	92.9	93.5	94.4	94.9	95.0	95.2	95.2	95.5	95.5	95.6	95.6	95.6
≥ 800		83.7	87.3	88.8	93.1	93.7	94.5	95.0	95.1	95.3	95.3	95.6	95.6	95.7	95.7	95.7
≥ 700		83.7	87.3	89.0	93.5	94.1	95.0	95.5	95.6	95.8	95.8	96.1	96.1	96.2	96.2	96.2
≥ 600		84.4	88.0	89.8	94.5	95.1	96.1	96.5	96.7	96.9	96.9	97.1	97.1	97.2	97.2	97.2
≥ 500		84.4	88.2	90.0	95.0	95.6	96.5	97.1	97.2	97.5	97.5	97.7	97.7	97.8	97.8	97.8
≥ 400		84.4	88.2	90.2	95.2	95.9	97.0	97.6	97.7	98.0	98.0	98.2	98.2	98.3	98.3	98.3
≥ 300		84.4	88.3	90.4	95.5	96.2	97.4	98.1	98.3	98.6	98.6	98.8	98.8	98.9	98.9	98.9
≥ 200		84.4	88.3	90.7	95.7	96.4	97.6	98.4	98.7	98.9	98.9	99.2	99.2	99.3	99.5	99.6
≥ 100		84.4	88.3	90.7	95.7	96.4	97.6	98.4	98.7	98.9	99.0	99.3	99.3	99.6	99.9	100.0
≥ 0		84.4	88.3	90.7	95.7	96.4	97.6	98.4	98.7	98.9	99.0	99.3	99.3	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 836

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-76 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

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

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING		35.1	36.9	38.1	40.2	40.2	41.5	41.8	41.9	42.1	42.1	42.1	42.3	42.4	42.6	43.1
≥ 20000		38.1	40.0	41.4	44.0	44.0	45.5	46.0	46.1	46.2	46.2	46.2	46.4	46.5	46.8	47.2
≥ 8000		38.4	40.2	41.6	44.2	44.2	45.7	46.2	46.3	46.4	46.4	46.4	46.7	46.8	47.0	47.5
≥ 6000		38.4	40.2	41.6	44.2	44.2	45.7	46.2	46.3	46.4	46.4	46.4	46.7	46.8	47.0	47.5
≥ 4000		38.4	40.2	41.6	44.4	44.4	45.9	46.3	46.4	46.5	46.5	46.5	46.8	46.9	47.1	47.6
≥ 2000		39.3	41.1	42.5	45.3	45.3	46.9	47.4	47.6	47.7	47.7	47.7	47.9	48.0	48.3	48.7
≥ 3000		41.9	43.8	45.2	48.0	48.0	49.7	50.1	50.3	50.7	50.7	50.7	50.9	51.0	51.3	51.7
≥ 1000		42.9	44.7	46.1	49.0	49.0	50.6	51.0	51.3	51.6	51.6	51.6	51.8	52.0	52.2	52.6
≥ 2000		45.4	47.5	49.1	52.6	52.9	54.6	55.1	55.3	55.6	55.6	55.6	56.2	56.3	56.6	57.0
≥ 1000		46.1	48.5	50.2	53.9	54.0	55.8	56.2	56.5	56.9	56.9	56.9	57.5	57.6	57.8	58.3
≥ 1000		46.3	48.7	50.5	54.3	54.4	56.1	56.6	56.8	57.3	57.3	57.3	57.8	57.9	58.2	58.6
≥ 500		48.2	50.8	52.5	56.9	57.0	59.0	59.4	59.7	60.1	60.1	60.1	60.7	60.8	61.1	61.5
≥ 500		51.4	54.1	56.3	60.9	61.1	63.1	63.7	63.9	64.4	64.4	64.4	65.0	65.1	65.3	65.8
≥ 400		55.0	57.9	60.6	65.3	65.6	67.9	68.4	68.7	69.1	69.1	69.1	69.7	69.8	70.2	70.9
≥ 300		56.6	59.7	62.3	67.1	67.3	69.7	70.3	70.5	71.0	71.0	71.0	71.5	71.7	72.0	72.7
≥ 300		59.3	62.7	65.6	70.5	70.9	73.4	74.0	74.2	74.7	74.7	74.7	75.2	75.3	75.7	76.4
≥ 250		60.6	64.2	67.1	72.0	72.4	74.9	75.6	75.9	76.4	76.4	76.4	77.0	77.1	77.4	78.1
≥ 200		62.8	66.6	69.5	74.7	75.1	77.9	78.6	78.9	79.4	79.4	79.4	80.0	80.1	80.4	81.1
≥ 180		64.5	68.3	71.2	76.4	76.8	79.6	80.3	80.6	81.1	81.1	81.1	81.7	81.8	82.1	82.8
≥ 150		67.3	71.2	74.2	80.1	80.5	83.5	84.2	84.6	85.0	85.0	85.0	85.6	85.7	86.1	86.8
≥ 120		69.7	73.6	76.0	82.3	82.7	85.9	86.6	87.0	87.4	87.4	87.4	88.0	88.1	88.5	89.2
≥ 100		69.4	73.4	77.5	84.3	85.0	88.4	89.2	89.6	90.1	90.1	90.1	90.7	90.8	91.1	91.8
≥ 90		69.4	73.4	77.5	84.4	85.1	88.6	89.4	89.9	90.3	90.3	90.3	90.9	91.0	91.4	92.1
≥ 80		69.6	73.7	78.0	85.1	85.8	89.4	90.2	90.8	91.2	91.2	91.2	91.8	91.9	92.3	93.0
≥ 70		69.7	73.8	78.2	85.5	86.2	89.9	90.7	91.2	91.7	91.7	91.7	92.3	92.4	92.7	93.4
≥ 60		70.0	74.2	78.6	85.8	86.6	90.4	91.2	91.8	92.3	92.3	92.3	92.9	93.0	93.3	94.0
≥ 50		70.3	74.5	78.9	86.4	87.2	91.2	92.1	92.6	93.1	93.1	93.1	93.7	93.8	94.1	94.8
≥ 40		70.3	74.5	78.9	86.9	87.9	92.3	93.3	94.0	94.6	94.6	94.6	95.2	95.3	95.6	96.3
≥ 30		70.5	74.8	79.1	87.2	88.2	92.6	93.9	94.7	95.3	95.3	95.3	95.9	96.0	96.3	97.0
≥ 20		70.5	74.8	79.3	87.3	88.4	93.0	94.4	95.2	95.7	95.9	96.0	96.8	96.9	97.7	99.4
≥ 10		70.5	74.8	79.3	87.3	88.4	93.0	94.4	95.2	96.0	96.1	96.2	97.0	97.2	98.3	100.0
0		70.5	74.8	79.3	87.3	88.4	93.0	94.4	95.2	96.0	96.1	96.2	97.0	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 868

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

34049 BITBURG AB GERMANY 69-78 MAY

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	≥½	≥0
NO CEILING		23.4	26.0	28.5	32.7	32.8	34.3	34.6	34.6	34.7	34.8	34.8	34.8	34.8	36.0
≥ 20000		28.2	31.3	34.3	38.7	39.0	40.7	41.1	41.1	41.3	41.5	41.5	41.5	41.6	42.9
≥ 9000		28.2	31.4	34.4	38.9	39.1	40.8	41.2	41.2	41.5	41.6	41.6	41.6	41.7	43.0
≥ 8000		28.2	31.4	34.4	38.9	39.1	40.8	41.2	41.2	41.5	41.6	41.6	41.6	41.7	43.0
≥ 7000		28.4	31.5	34.5	39.0	39.2	40.9	41.3	41.3	41.6	41.7	41.7	41.7	41.8	43.1
≥ 6000		28.8	32.1	35.2	39.9	40.2	41.9	42.3	42.3	42.5	42.6	42.6	42.6	42.7	43.0	44.3
≥ 5000		31.6	35.2	38.5	43.7	43.9	45.8	46.2	46.4	47.0	47.1	47.1	47.1	47.2	47.5	48.8
≥ 4900		33.0	36.6	40.2	45.5	45.7	47.5	48.1	48.3	48.8	48.9	48.9	48.9	49.0	49.4	50.6
≥ 4800		36.3	40.5	44.2	49.9	50.1	52.1	52.7	53.0	53.6	53.7	53.7	53.7	53.9	54.3	55.6
≥ 4700		36.9	41.3	45.0	50.8	51.0	52.9	53.7	54.0	54.5	54.7	54.7	54.7	54.9	55.3	56.6
≥ 4600		37.1	41.6	45.2	51.0	51.2	53.1	53.9	54.2	54.8	54.9	54.9	54.9	55.1	55.5	56.8
≥ 4500		38.1	42.5	46.3	52.4	52.6	54.5	55.3	55.6	56.2	56.3	56.3	56.3	56.5	56.9	58.2
≥ 4400		39.7	44.4	48.4	55.0	55.3	57.4	58.2	58.5	59.1	59.2	59.2	59.2	59.5	60.0	61.3
≥ 4300		41.9	46.5	50.8	57.9	58.2	60.3	61.1	61.5	62.0	62.2	62.2	62.2	62.6	63.0	64.3
≥ 3500		43.2	47.9	52.2	59.5	59.8	61.9	62.9	63.3	63.9	64.1	64.1	64.1	64.4	64.8	66.1
≥ 3000		45.6	50.4	54.8	62.6	62.9	65.0	66.1	66.8	67.4	67.6	67.6	67.7	68.1	68.5	69.8
≥ 2500		46.3	51.2	55.7	63.7	64.1	66.3	67.4	68.1	68.7	68.9	68.9	69.0	69.4	69.8	71.1
≥ 2000		49.1	54.1	58.9	67.1	67.5	70.0	71.2	72.0	72.7	72.9	72.9	73.1	73.4	73.8	75.1
≥ 1800		50.0	55.0	59.7	68.0	68.4	70.9	72.1	72.8	73.6	73.8	73.8	73.9	74.2	74.7	76.0
≥ 1500		52.9	58.0	63.3	71.9	72.3	75.2	76.6	77.4	78.2	78.5	78.5	78.6	[illegible].9	79.3	80.6
≥ 1200		54.2	59.8	66.2	75.4	76.0	79.4	81.0	81.7	82.7	82.9	82.9	83.[illegible]	83.3	83.8	85.1
≥ 1000		55.7	61.6	68.1	77.9	78.7	82.5	84.1	85.2	86.3	86.5	86.5	86.6	86.9	87.3	88.6
≥ 900		56.1	61.9	68.4	78.4	79.1	82.9	84.6	85.7	86.8	87.0	87.0	87.1	87.4	87.9	89.2
≥ 800		56.5	62.6	69.2	79.7	80.4	84.4	86.4	87.4	88.6	88.9	88.9	89.0	89.3	89.7	91.0
≥ 700		56.9	63.0	69.8	80.5	81.4	85.7	87.9	89.2	90.4	90.6	90.6	90.7	91.0	91.5	92.7
≥ 600		56.9	63.0	69.9	81.2	82.1	86.6	88.7	90.4	91.7	92.1	92.1	92.3	92.6	93.1	94.4
≥ 500		57.0	63.1	70.1	81.5	82.6	87.2	89.5	91.5	92.7	93.2	93.2	93.4	93.7	94.4	95.7
≥ 400		57.0	63.1	70.1	81.8	82.9	87.7	90.0	92.3	93.7	94.2	94.2	94.4	94.7	95.3	96.6
≥ 300		57.0	63.1	70.1	81.9	83.0	88.0	90.4	93.1	94.6	95.0	95.0	95.2	95.6	96.2	97.5
≥ 200		57.0	63.1	70.1	81.9	83.0	88.0	90.5	93.2	94.7	95.2	95.2	95.[illegible]7	96.3	97.3	99.1
≥ 100		57.0	63.1	70.1	81.9	83.0	88.0	90.5	93.2	94.7	95.2	95.2	95.7	96.6	97.7	99.9
≥ 0		57.0	63.1	70.1	81.9	83.0	88.0	90.5	93.2	94.7	95.2	95.2	95.8	96.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 924

USAF ETAC FORM AM 64 7-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG AB GERMANY (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	≥9	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		28.6	29.4	31.9	33.7	33.7	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.3
≥ 20000		36.5	38.4	41.6	43.4	43.4	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.1	44.2
≥ 15000		36.8	38.7	41.9	43.8	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.4	44.5
≥ 15000		36.8	38.7	41.9	43.8	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.4	44.5
≥ 14000		36.8	38.7	41.9	43.8	43.8	44.1	44.2	44.2	44.3	44.3	44.3	44.3	44.4	44.5
≥ 12000		37.4	39.4	42.8	44.9	44.9	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.6	45.7
≥ 10000		38.6	40.6	44.2	47.0	47.0	47.5	47.6	47.7	47.8	47.8	47.8	47.8	48.0	48.1
≥ 9000		40.1	42.2	45.8	48.7	48.7	49.2	49.4	49.5	49.6	49.6	49.6	49.6	49.7	49.8
≥ 8000		43.8	45.8	49.6	52.6	52.6	53.2	53.4	53.5	53.7	53.7	53.7	53.7	53.8	53.9
≥ 7000		44.5	46.7	50.4	53.8	53.8	54.4	54.6	54.7	54.8	54.8	54.8	54.8	54.9	55.1
≥ 6000		45.1	47.2	51.2	54.6	54.6	55.3	55.5	55.6	55.7	55.7	55.7	55.7	55.8	55.9
≥ 5000		46.1	48.3	52.4	55.9	55.9	56.6	56.8	56.9	57.0	57.0	57.0	57.0	57.1	57.2
≥ 4500		47.3	49.5	53.5	57.1	57.1	57.8	58.1	58.2	58.3	58.3	58.3	58.3	58.4	58.5
≥ 4000		48.8	51.0	55.3	58.9	58.9	59.8	60.0	60.1	60.2	60.2	60.2	60.2	60.3	60.4
≥ 3500		50.4	52.7	57.0	60.8	60.8	61.6	61.8	61.9	62.0	62.0	62.0	62.0	62.2	62.3
≥ 3000		53.4	55.8	60.5	64.6	64.7	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.1	66.2
≥ 2500		57.1	59.6	64.3	68.7	68.8	69.7	69.9	70.0	70.1	70.1	70.1	70.1	70.2	70.3
≥ 2000		62.3	65.3	70.2	75.2	75.3	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.9	77.0
≥ 1800		64.4	67.5	72.5	77.5	77.6	78.7	78.9	79.0	79.1	79.1	79.1	79.1	79.2	79.4
≥ 1500		68.5	71.7	77.5	82.9	83.0	84.1	84.6	84.7	84.8	84.8	84.8	84.8	84.9	85.1
≥ 1200		70.0	73.8	80.0	86.2	86.5	88.1	88.8	88.9	89.0	89.0	89.0	89.0	89.1	89.2
≥ 1000		71.9	76.0	82.4	89.5	89.9	91.7	92.5	92.6	92.7	92.7	92.7	92.7	92.8	92.9
≥ 900		72.4	76.5	82.8	90.0	90.4	92.3	93.0	93.1	93.2	93.2	93.2	93.2	93.3	93.4
≥ 800		73.1	77.3	84.2	91.9	92.5	94.5	95.5	95.6	95.7	95.7	95.8	95.8	95.9	96.0
≥ 700		73.4	77.8	84.8	92.7	93.5	95.8	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.5
≥ 600		73.4	77.8	84.8	92.9	93.8	96.0	97.2	97.3	97.5	97.5	97.6	97.6	97.7	97.8
≥ 500		73.5	78.0	84.9	93.1	94.0	96.2	97.5	97.6	97.8	97.8	98.0	98.0	98.1	98.2
≥ 400		73.5	78.0	84.9	93.1	94.1	96.5	97.8	98.2	98.6	98.6	98.7	98.7	98.8	98.9
≥ 300		73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.6	99.6	99.7	99.8
≥ 200		73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.6	99.6	99.7	99.9 100.0
≥ 100		73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.6	99.6	99.7	99.9 100.0
≥ 0		73.5	78.0	84.9	93.3	94.3	96.7	98.1	98.6	99.4	99.4	99.6	99.6	99.7	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (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	≥⅛	≥0
NO CEILING		28.5	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000		40.6	40.9	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 18000		41.6	41.8	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000		41.7	41.9	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000		41.9	42.2	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 12000		42.7	42.9	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 10000		45.1	45.3	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 9000		47.6	47.8	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 8000		51.9	52.2	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000		53.0	53.2	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 6000		53.7	53.9	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 5000		56.1	56.5	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 4500		59.2	59.6	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4000		63.1	63.5	64.2	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3500		69.0	69.6	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000		73.9	74.6	75.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2500		78.9	79.8	80.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2000		83.7	85.1	86.1	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1800		85.1	86.7	87.7	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1500		87.8	89.7	91.0	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200		89.2	91.2	92.8	95.2	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000		89.8	91.7	93.3	96.0	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900		89.9	91.8	93.4	96.1	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.4
≥ 800		90.1	92.2	93.9	96.6	97.2	97.8	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 700		90.1	92.2	94.0	96.8	97.4	98.1	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7
≥ 600		90.1	92.2	94.0	96.8	97.4	98.2	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.8
≥ 500		90.3	92.4	94.2	97.0	97.7	98.5	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.4
≥ 400		90.3	92.4	94.2	97.0	97.7	98.5	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.5
≥ 300		90.3	92.4	94.2	97.1	97.8	98.6	99.0	99.1	99.4	99.5	99.5	99.5	99.7	99.8
≥ 200		90.4	92.5	94.3	97.2	98.0	98.7	99.1	99.2	99.5	99.6	99.7	99.7	99.9	100.0
≥ 100		90.4	92.5	94.3	97.2	98.0	98.7	99.1	99.2	99.5	99.6	99.7	99.7	99.9	100.0
≥ 0		90.4	92.5	94.3	97.2	98.0	98.7	99.1	99.2	99.5	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

34049 (STATION NUMBER) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) MAY (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	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	≥0
NO CEILING		29.6	29.9	30.1	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 20000		43.1	43.4	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 18000		43.7	44.0	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 16000		43.7	44.0	44.2	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 14000		43.9	44.2	44.4	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 12000		44.9	45.3	45.5	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 10000		46.1	46.4	46.7	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 9000		49.8	50.1	50.4	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000		56.5	56.8	57.2	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 7000		57.8	58.2	58.6	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000		58.8	59.1	59.6	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5000		62.4	62.7	63.1	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500		66.9	67.2	67.6	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000		70.4	70.8	71.3	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500		74.3	74.6	75.3	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000		80.2	80.5	81.6	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500		84.1	84.4	85.8	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000		88.4	88.8	90.3	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		88.9	89.4	91.1	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500		90.3	90.8	92.7	94.8	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200		91.4	91.8	93.8	96.6	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000		91.7	92.2	94.2	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900		91.9	92.4	94.4	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800		92.2	92.6	94.8	97.6	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700		92.4	92.8	95.1	98.0	98.4	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600		92.4	92.8	95.3	98.2	98.8	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500		92.4	92.8	95.3	98.2	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400		92.4	92.8	95.3	98.2	98.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 200		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 100		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0		92.5	92.9	95.4	98.3	98.9	99.5	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

34042 BITBURG AB GERMANY 69-78 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥¼	≥0
NO CEILING	37.2	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 7000	49.2	49.7	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 6000	49.4	49.9	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 5000	49.4	49.9	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 4500	49.6	50.2	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4000	50.6	51.1	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 3500	54.5	55.0	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3000	57.3	58.0	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 2500	63.9	64.7	65.2	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 2000	65.8	66.5	67.1	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 1800	66.7	67.5	68.0	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 1500	70.9	71.7	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1400	74.7	75.6	76.3	76.6	76.6	76.9	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1200	78.1	79.1	79.9	80.2	80.2	80.5	80.5	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	81.4	82.6	83.4	83.9	83.9	84.2	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	84.4	85.7	86.9	87.4	87.4	87.7	87.7	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 800	86.3	87.7	89.1	89.6	89.9	90.3	90.3	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5
≥ 700	88.1	89.8	91.2	91.9	92.0	92.8	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 600	88.3	90.0	91.4	92.1	92.2	93.0	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	89.1	90.9	92.5	93.4	93.5	94.4	94.5	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	90.2	92.0	93.6	94.9	95.0	96.2	96.3	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	90.5	92.5	94.1	95.5	95.8	97.1	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	90.6	92.6	94.2	95.6	95.9	97.2	97.5	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	90.7	92.8	94.5	96.0	96.3	97.6	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 0	91.1	93.1	94.8	96.8	97.1	98.4	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
	91.2	93.2	94.9	97.0	97.3	98.6	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
	91.2	93.2	94.9	97.0	97.4	98.7	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
	91.2	93.2	94.9	97.1	97.5	98.8	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.9	99.9	99.9
	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.9	99.9	100.0
	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.9	99.9	100.0
	91.2	93.2	94.9	97.1	97.5	98.8	99.4	99.5	99.6	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY 49-73,72-76 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING (FEET)	≥ 0	≥ ¼	≥ ½	≥ ¾	≥ 1	≥ 1¼	≥ 1½	≥ 1¾	≥ 2	≥ 2½	≥ 3	≥ 4	≥ 5	≥ 6	≥ 10
≥ 22000	48.0	48.9	49.3	49.6	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	55.1	56.3	56.9	57.7	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	55.2	56.4	57.0	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 17000	55.2	56.4	57.0	57.8	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 16000	55.3	56.5	57.1	57.9	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 15000	55.8	57.0	57.6	58.4	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 14000	57.8	59.0	59.6	60.6	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 13000	59.5	60.7	61.3	62.2	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	64.6	65.8	66.4	67.4	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 11000	66.4	67.6	68.2	69.2	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	66.8	68.0	68.6	69.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	71.3	72.5	73.1	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	75.0	76.3	76.9	78.1	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 7000	78.4	79.7	80.3	81.7	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000	80.4	81.7	82.4	84.2	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 5000	82.2	83.6	84.5	86.3	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	83.4	84.9	85.9	87.6	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4000	85.1	86.9	87.8	90.3	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 3500	85.5	87.3	88.3	90.9	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3000	86.6	88.4	89.5	92.4	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	88.5	90.6	91.8	94.7	95.3	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	89.4	91.4	92.5	95.9	96.8	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800	89.4	91.4	92.6	95.9	97.0	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1600	89.4	91.4	92.6	95.9	97.0	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1400	89.4	91.5	93.0	96.3	97.4	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	90.0	92.1	93.5	96.9	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	90.1	92.2	93.7	97.1	98.2	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	90.1	92.2	93.8	97.4	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.1	92.2	94.0	97.6	98.7	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY 69-72 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
	34.3	35.3	36.3	37.0	37.7	38.1	38.2	38.2	38.3	38.3	38.3	38.3	38.4	38.4	38.0	
≥ [illegible]	42.4	43.7	44.9	46.2	46.6	47.0	47.2	47.2	47.3	47.3	47.3	47.4	47.4	47.4	47.7	
≥ 8000	42.7	44.0	45.2	46.8	46.9	47.4	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.8	48.0	
≥ 4000	42.7	44.0	45.2	46.8	46.9	47.4	47.5	47.6	47.6	47.6	47.7	47.7	47.7	47.8	48.0	
≥ 3000	42.9	44.1	45.4	46.9	47.0	47.5	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.9	48.1	
≥ 2500	43.6	44.9	46.2	47.8	48.0	48.4	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.9	49.1	
≥ 2000	44.2	47.6	48.9	50.7	50.8	51.4	51.5	51.6	51.7	51.7	51.8	51.8	51.8	51.9	52.1	
≥ 1800	47.8	49.2	50.6	52.5	52.6	53.2	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.7	54.0	
≥ 1600	52.4	53.9	55.4	57.4	57.6	58.2	58.4	58.5	58.6	58.6	58.7	58.7	58.8	58.9	59.1	
≥ 1400	53.7	55.3	56.8	58.9	59.1	59.7	59.9	60.0	60.1	60.2	60.2	60.2	60.3	60.4	60.6	
≥ 1200	54.3	55.9	57.4	59.6	59.7	60.3	60.5	60.6	60.8	60.8	60.8	60.9	61.0	61.1	61.3	
≥ 1000	56.9	58.6	60.2	62.6	62.7	63.3	63.6	63.7	63.8	63.9	63.9	63.9	64.0	64.1	64.3	
≥ 900	60.1	61.9	63.6	66.1	66.3	67.0	67.2	67.3	67.5	67.5	67.5	67.6	67.7	67.8	68.0	
≥ 800	63.1	65.0	66.8	69.5	69.7	70.5	70.7	70.8	71.0	71.0	71.1	71.1	71.2	71.3	71.6	
≥ 700	65.8	67.8	69.7	72.6	72.7	73.5	73.8	73.9	74.1	74.1	74.2	74.2	74.3	74.4	74.7	
≥ 600	69.1	71.2	73.3	76.4	76.6	77.4	77.7	77.8	78.0	78.0	78.1	78.2	78.2	78.3	78.6	
≥ 500	71.5	73.7	75.9	79.1	79.3	80.1	80.4	80.6	80.8	80.8	80.8	80.9	81.0	81.1	81.4	
≥ 450	74.6	77.1	79.4	82.9	83.1	84.1	84.5	84.6	84.8	84.9	84.9	85.0	85.1	85.2	85.4	
≥ 400	75.6	78.1	80.5	84.0	84.3	85.3	85.6	85.8	86.0	86.1	86.1	86.2	86.2	86.3	86.6	
≥ 350	77.9	80.5	83.2	87.1	87.4	88.5	88.9	89.1	89.4	89.4	89.4	89.5	89.6	89.7	89.9	
≥ 300	79.3	82.2	85.2	89.6	90.0	91.4	91.9	92.1	92.3	92.3	92.4	92.5	92.5	92.6	92.9	
≥ 250	80.2	83.2	86.3	91.1	91.6	93.2	93.8	94.0	94.3	94.3	94.3	94.4	94.5	94.6	94.8	
≥ 200	80.4	83.4	86.5	91.3	91.9	93.5	94.1	94.3	94.6	94.6	94.6	94.7	94.8	94.9	95.2	
≥ 180	80.6	83.7	87.0	92.0	92.6	94.3	95.0	95.3	95.5	95.6	95.6	95.7	95.8	95.9	96.2	
≥ 160	80.8	83.9	87.3	92.5	93.2	95.0	95.7	96.0	96.3	96.3	96.4	96.5	96.5	96.6	96.9	
≥ 140	81.0	84.1	87.6	92.9	93.6	95.5	96.2	96.6	96.9	96.9	97.0	97.1	97.1	97.3	97.5	
≥ 120	81.1	84.2	87.7	93.2	93.9	95.8	96.6	97.0	97.3	97.4	97.5	97.6	97.6	97.8	98.0	
≥ 100	81.1	84.2	87.8	93.3	94.2	96.1	97.0	97.5	97.8	97.9	98.0	98.1	98.1	98.3	98.6	
≥ 80	81.2	84.3	87.9	93.5	94.3	96.3	97.3	97.9	98.3	98.4	98.4	98.5	98.7	98.8	99.1	
≥ 70	81.2	84.3	87.9	93.5	94.4	96.4	97.4	98.0	98.4	98.5	98.5	98.8	99.0	99.3	99.8	
≥ 60	81.2	84.3	87.9	93.5	94.4	96.4	97.4	98.0	98.5	98.6	98.7	98.8	99.1	99.4	100.0	
≥ 50	81.2	84.3	87.9	93.5	94.4	96.4	97.4	98.0	98.5	98.6	98.7	98.8	99.1	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 7184

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-70,72-78 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	0			
No Ceiling		52.4	53.4	54.0	55.7	55.9	56.0	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.7	56.7
≥ 25000		57.7	58.7	59.3	61.6	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5
≥ 20000		57.7	58.7	59.3	61.6	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5
≥ 15000		57.7	58.7	59.3	61.6	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.5	62.5
≥ 10000		58.1	59.1	59.7	61.9	62.1	62.2	62.5	62.7	62.7	62.7	62.7	62.8	62.8	62.9	62.9
≥ 9000		58.8	59.8	60.4	62.7	62.8	62.9	63.3	63.4	63.4	63.4	63.4	63.5	63.5	63.7	63.7
≥ 8000		60.3	61.3	62.1	64.3	64.4	64.5	64.9	65.0	65.0	65.0	65.0	65.1	65.1	65.3	65.3
≥ 7000		62.1	63.0	63.9	66.3	66.4	66.5	66.9	67.0	67.0	67.0	67.0	67.1	67.1	67.2	67.2
≥ 6000		66.4	67.5	68.5	71.2	71.3	71.4	71.9	72.1	72.1	72.1	72.1	72.2	72.2	72.3	72.3
≥ 5000		66.6	67.7	68.7	71.4	71.5	71.7	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.6	72.6
≥ 4500		66.9	68.0	69.1	71.8	71.9	72.1	72.6	72.7	72.7	72.7	72.7	72.8	72.8	72.9	72.9
≥ 4000		69.5	70.6	71.9	74.7	74.8	74.9	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.8	75.8
≥ 3500		74.2	75.3	76.6	79.5	79.6	79.7	80.2	80.3	80.3	80.3	80.3	80.5	80.5	80.6	80.6
≥ 3000		78.0	79.1	80.5	83.8	83.9	84.2	84.7	85.0	85.0	85.0	85.0	85.2	85.2	85.3	85.3
≥ 2500		79.9	81.1	82.4	86.3	86.4	86.7	87.1	87.5	87.5	87.5	87.5	87.6	87.6	87.8	87.8
≥ 2000		81.0	82.2	83.6	87.6	87.8	88.0	88.5	88.9	88.9	88.9	88.9	89.0	89.0	89.1	89.1
≥ 1800			82.7	84.1	88.1	88.3	88.6	89.2	89.6	89.6	89.6	89.6	89.7	89.7	89.9	89.9
≥ 1500			83.4	84.8	89.2	89.4	89.9	90.5	91.0	91.0	91.0	91.0	91.1	91.1	91.2	91.2
≥ 1200		83.2	83.7	85.0	89.5	89.6	90.1	90.7	91.2	91.2	91.2	91.2	91.3	91.3	91.5	91.5
≥ 1000		83.4	84.8	86.3	90.9	91.0	91.5	92.1	92.6	92.6	92.6	92.6	92.7	92.7	92.8	92.8
≥ 900		84.9	86.3	87.8	92.7	92.8	93.4	94.1	94.8	94.8	94.8	94.8	94.9	94.9	95.1	95.1
≥ 800		85.7	87.0	88.5	93.9	94.1	94.7	95.4	96.2	96.2	96.2	96.2	96.3	96.3	96.4	96.4
≥ 700		85.7	87.0	88.5	93.9	94.1	94.7	95.4	96.2	96.2	96.2	96.2	96.3	96.3	96.4	96.4
≥ 600		86.4	87.8	89.4	94.8	94.9	95.6	96.3	97.0	97.0	97.0	97.0	97.2	97.2	97.3	97.3
≥ 500		86.8	88.1	89.7	95.3	95.4	96.0	96.8	97.5	97.5	97.5	97.5	97.8	97.8	97.9	97.9
≥ 400		86.8	88.3	90.0	95.6	95.7	96.7	97.4	98.3	98.3	98.3	98.3	98.5	98.5	98.6	98.6
≥ 300		87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.0	99.0	99.0	99.0	99.3	99.3	99.5	99.6
≥ 200		87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.0	99.0	99.0	99.0	99.3	99.3	99.5	99.6
≥ 100		87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9
≥ 0		87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.3	99.3	99.3	99.5	99.5	99.8	99.9
		87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.9	100.0
		87.0	88.6	90.5	96.2	96.3	97.3	98.1	99.1	99.4	99.4	99.4	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 59-76 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 0	≥ 1/8	≥ 1/4	≥ 1/2	≥ 3/4	≥ 1	≥ 1 1/4	≥ 1 1/2	≥ 1 3/4	≥ 2	≥ 2 1/2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 10
	37.5	40.5	42.9	45.9	46.4	47.8	48.9	49.2	49.3	49.5	49.5	49.5	49.7	49.8	50.2	
	41.9	45.0	47.6	50.6	51.4	52.9	54.0	54.4	54.5	54.6	54.6	54.6	55.0	55.2	55.7	
	42.3	45.4	47.9	51.1	51.7	53.3	54.4	54.7	54.8	55.0	55.0	55.0	55.3	55.6	56.0	
	42.3	45.4	47.9	51.1	51.7	53.3	54.4	54.7	54.8	55.0	55.0	55.0	55.3	55.6	56.0	
	42.3	45.4	47.9	51.1	51.7	53.3	54.4	54.7	54.8	55.0	55.0	55.0	55.3	55.6	56.0	
	42.9	46.0	48.5	51.7	52.3	54.0	55.1	55.4	55.6	55.7	55.7	55.7	56.0	56.3	56.8	
	45.4	48.5	51.1	54.7	55.4	57.1	58.2	58.5	58.7	58.8	58.8	58.8	59.1	59.4	59.9	
	47.1	50.2	52.8	56.6	57.5	59.1	60.3	60.8	61.0	61.1	61.1	61.1	61.4	61.6	62.1	
	49.8	53.4	56.5	60.8	61.8	63.7	65.0	65.5	65.7	65.8	65.8	65.8	66.2	66.4	66.9	
	50.4	54.2	57.6	61.9	63.0	65.0	66.3	66.8	67.0	67.1	67.1	67.1	67.5	67.7	68.2	
	50.4	54.4	57.7	62.0	63.1	65.1	66.4	66.9	67.1	67.3	67.3	67.3	67.6	67.9	68.3	
	53.0	57.0	60.3	64.8	65.8	67.9	69.2	69.7	69.9	70.0	70.0	70.0	70.4	70.6	71.1	
	55.0	59.0	62.4	67.3	68.3	70.6	72.2	72.8	73.0	73.1	73.1	73.1	73.5	73.7	74.2	
	57.5	61.8	65.2	70.5	71.6	74.0	75.6	76.3	76.6	76.7	76.7	76.7	77.1	77.3	77.8	
	59.7	64.5	68.0	73.5	74.6	76.9	78.6	79.3	79.6	79.7	79.7	79.7	80.0	80.3	80.8	
	60.7	65.6	69.1	74.6	75.7	78.3	79.9	80.6	80.9	81.0	81.0	81.1	81.5	81.7	82.2	
	61.9	66.8	70.3	75.7	77.1	79.6	81.2	82.0	82.2	82.3	82.3	82.4	82.8	83.0	83.5	
	63.2	68.1	71.6	77.2	78.5	81.1	82.8	83.6	83.9	84.0	84.0	84.1	84.5	84.7	85.2	
	63.8	68.8	72.4	78.0	79.3	82.1	83.8	84.6	84.8	84.9	84.9	85.1	85.4	85.7	86.1	
	65.6	70.6	74.6	80.6	82.0	85.1	87.0	87.8	88.1	88.2	88.2	88.3	88.6	88.9	89.4	
	67.1	72.2	76.3	82.6	83.9	87.1	89.1	90.0	90.2	90.3	90.3	90.4	90.8	91.0	91.5	
	68.0	73.1	77.3	84.0	85.3	88.6	90.8	91.8	92.0	92.1	92.1	92.2	92.6	92.8	93.3	
	68.0	73.1	77.3	84.0	85.3	88.6	90.8	91.8	92.0	92.1	92.1	92.2	92.6	92.8	93.2	
	68.8	74.0	78.4	85.2	86.5	90.0	92.4	93.3	93.5	93.7	93.7	93.8	94.1	94.4	94.9	
	69.1	74.6	79.1	86.1	87.5	91.2	93.5	94.5	94.9	95.0	95.0	95.1	95.5	95.7	96.2	
	69.2	74.7	79.5	86.9	88.2	92.0	94.5	95.5	95.9	96.1	96.1	96.2	96.5	96.8	97.3	
	69.4	75.1	80.0	87.8	89.2	93.1	95.7	96.7	97.3	97.5	97.5	97.6	98.0	98.3	98.8	
	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.8	97.4	97.6	97.6	97.7	98.1	98.6	99.1	
	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.7	98.0	98.0	98.1	98.4	99.0	99.5	
	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.8	98.1	98.1	98.2	98.6	99.2	99.6	
	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.8	98.1	98.1	98.2	98.6	99.2	99.9	
	69.4	75.1	80.0	87.8	89.2	93.1	95.8	96.9	97.8	98.1	98.1	98.2	98.6	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 837

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

34049 BITBURG AB GERMANY 9-78 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	6	5	4	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0
NO CEILING	28.1	31.0	33.7	36.8	37.5	39.8	41.0	41.7	42.0	42.3	42.7	42.9	43.1	43.4	43.7
≥ 22000	32.1	35.8	38.7	42.3	42.9	45.4	46.6	47.4	47.7	47.9	48.5	48.7	48.9	49.3	49.6
≥ 20000	32.3	36.0	38.9	42.5	43.1	45.6	46.8	47.6	47.9	48.2	48.7	48.9	49.2	49.5	49.8
≥ 18000	32.3	36.0	38.9	42.5	43.1	45.6	46.8	47.6	47.9	48.2	48.7	48.9	49.2	49.5	49.8
≥ 17000	32.3	36.0	38.9	42.5	43.1	45.6	46.8	47.6	47.9	48.2	48.7	48.9	49.2	49.5	49.8
≥ 16000	32.7	36.7	39.7	43.3	44.0	46.5	47.7	48.5	48.8	49.1	49.6	49.8	50.1	50.4	50.7
≥ 15000	35.9	40.1	43.5	47.2	47.9	50.5	51.7	52.6	53.0	53.2	53.7	54.0	54.2	54.5	54.8
≥ 14000	37.2	41.5	44.9	48.9	49.7	52.3	53.6	54.5	54.8	55.1	55.6	55.9	56.1	56.4	56.7
≥ 13000	40.2	44.9	49.1	53.8	54.7	57.7	59.2	60.3	60.6	60.9	61.4	61.6	61.9	62.2	62.5
≥ 12000	40.9	45.6	49.7	54.6	55.6	58.8	60.2	61.3	61.6	61.9	62.4	62.6	62.9	63.2	63.5
≥ 11000	41.4	46.0	50.2	55.2	56.2	59.3	60.8	61.9	62.2	62.4	63.0	63.2	63.4	63.8	64.1
≥ 10000	42.9	47.7	52.0	57.2	58.2	61.3	62.8	63.9	64.2	64.4	65.0	65.2	65.4	65.8	66.1
≥ 9000	44.7	49.7	54.1	59.4	60.4	63.5	65.1	66.3	66.7	66.9	67.4	67.7	67.9	68.2	68.6
≥ 8000	45.0	51.2	55.9	61.5	62.5	65.9	67.7	69.0	69.3	69.6	70.1	70.3	70.6	70.9	71.2
≥ 7000	47.9	53.1	58.0	63.8	64.8	68.2	70.1	71.5	71.8	72.0	72.6	72.8	73.0	73.4	73.7
≥ 6000	49.2	54.4	59.3	65.9	67.2	70.7	72.6	74.0	74.4	74.6	75.3	75.5	75.7	76.0	76.4
≥ 5500	50.3	55.7	60.6	67.6	68.9	72.4	74.4	75.8	76.1	76.4	77.0	77.2	77.5	77.8	78.1
≥ 5000	51.3	56.9	61.9	69.6	70.9	74.5	76.5	77.9	78.3	78.5	79.2	79.4	79.6	79.9	80.3
≥ 4500	51.7	57.3	62.4	70.3	71.7	75.4	77.4	78.8	79.2	79.4	80.0	80.3	80.5	80.8	81.2
≥ 4000	53.5	59.5	65.0	73.4	75.1	79.4	81.4	82.8	83.2	83.4	84.1	84.3	84.5	84.8	85.2
≥ 3500	54.6	60.8	66.2	75.4	77.4	81.9	84.1	85.6	86.0	86.2	86.8	87.1	87.3	87.6	88.0
≥ 3000	55.5	61.9	67.6	77.5	79.6	84.4	87.1	88.7	89.2	89.4	90.1	90.3	90.5	90.9	91.2
≥ 2500	55.6	62.0	67.7	77.9	80.0	84.9	87.7	89.4	89.9	90.1	90.7	91.0	91.2	91.5	91.9
≥ 2000	55.7	62.1	68.2	78.7	80.8	85.8	88.9	90.5	91.1	91.3	92.0	92.2	92.4	92.8	93.1
≥ 1800	55.9	62.4	68.7	79.4	81.5	86.6	89.7	91.4	92.1	92.3	93.0	93.2	93.4	93.8	94.1
≥ 1600	55.9	62.7	69.1	80.5	82.6	87.8	91.2	92.9	93.8	94.1	94.8	95.0	95.2	95.5	95.9
≥ 1400	55.9	62.7	69.1	80.5	82.6	88.6	92.6	94.3	95.4	95.8	96.4	96.7	96.9	97.2	97.5
≥ 1200	55.9	62.7	69.1	80.8	82.9	89.0	93.0	95.1	96.4	96.8	97.4	97.7	97.9	98.2	98.6
≥ 1000	55.9	62.7	69.1	80.8	82.9	89.0	93.1	95.2	96.5	96.9	97.5	97.9	98.2	98.6	98.9
≥ 900	55.9	62.7	69.1	80.9	83.1	89.1	93.2	95.4	96.8	97.1	97.8	98.2	98.6	98.9	99.6
≥ 800	55.9	62.7	69.1	80.9	83.1	89.1	93.2	95.4	96.8	97.1	97.8	98.2	98.6	98.9	99.7
< 800	55.9	62.7	69.1	80.9	83.1	89.1	93.2	95.4	96.8	97.1	97.8	98.2	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 897

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY 59-76 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0		
NO CEILING	32.7	34.3	36.4	38.3	38.3	38.7	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 22000	37.6	39.4	41.8	44.2	44.2	44.6	44.9	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	37.8	39.7	42.0	44.4	44.4	44.8	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 18000	37.8	39.7	42.0	44.4	44.4	44.8	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 16000	38.2	40.1	42.4	44.9	44.9	45.2	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	39.6	41.7	44.0	46.6	46.6	46.9	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000	42.2	44.9	47.4	50.0	50.0	50.3	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	44.0	46.7	49.2	51.9	51.9	52.2	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	47.0	50.0	52.9	55.6	55.8	56.1	56.4	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	48.0	51.0	53.9	56.6	56.8	57.1	57.4	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 7000	48.3	51.3	54.2	57.1	57.1	57.4	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 6000	49.8	52.8	55.7	58.6	58.8	59.2	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 5000	51.9	54.9	57.8	60.9	60.9	61.3	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4500	54.8	58.0	61.0	64.4	64.4	64.9	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4000	58.9	62.2	65.4	68.9	68.9	69.3	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3500	62.4	65.9	69.3	72.9	72.9	73.4	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000	66.3	70.0	73.7	77.4	77.4	78.0	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2500	69.7	73.3	77.6	82.0	82.0	82.6	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	71.2	75.0	79.3	83.9	83.9	84.4	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	74.6	78.6	83.2	88.1	88.1	88.7	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 1600	75.9	80.3	85.2	90.9	91.0	91.7	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1400	76.8	81.6	86.7	93.1	93.2	94.3	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1200	77.1	81.9	87.0	93.4	93.6	94.7	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	77.2	82.1	87.2	93.9	94.1	95.4	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	77.6	82.4	87.6	94.4	94.9	96.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	77.6	82.4	87.8	94.8	95.3	97.0	98.3	98.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8
≥ 700	77.6	82.4	87.8	94.8	95.3	97.3	98.7	98.9	99.1	99.1	99.2	99.2	99.3	99.3	99.3
≥ 600	77.6	82.4	87.8	94.8	95.3	97.6	99.0	99.3	99.6	99.6	99.7	99.7	99.8	99.8	99.8
≥ 500	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 400	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 300	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 200	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 100	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 0	77.6	82.4	87.8	94.8	95.3	97.7	99.1	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34046 BITBURG AB GERMANY 9-76 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	9	8	7	6	5	4	3	2	1	¾	½	¼	⅛	0
≥ 22000	33.7	33.8	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
≥ 20000	41.1	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 18000	41.1	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 17000	41.1	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 16000	41.4	41.6	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 15000	41.9	42.0	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	46.3	46.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 13000	48.6	48.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 12000	51.0	51.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 11000	51.7	52.0	53.1	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	51.8	52.1	53.2	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000	55.2	55.7	56.9	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 8000	58.7	59.1	60.3	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000	64.1	64.6	65.8	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 6500	70.2	70.7	72.0	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 6000	76.9	77.7	79.1	79.9	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 5500	84.3	85.2	87.1	88.0	88.0	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 5000	87.2	88.4	90.7	91.7	91.7	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4500	88.3	89.6	91.9	93.2	93.2	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	89.7	90.9	93.6	95.3	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	90.3	91.8	94.4	96.2	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	90.8	92.2	95.0	97.3	97.4	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	90.9	92.3	95.1	97.4	97.6	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000	91.1	92.6	95.4	97.9	98.0	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	91.3	92.8	95.7	98.1	98.3	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1600	91.3	92.8	95.7	98.3	98.6	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1400	91.3	92.8	95.7	98.6	98.8	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	91.3	92.8	95.7	98.6	98.8	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	91.3	92.8	95.7	98.7	98.9	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 9-73 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	2	1½	1	¾	½	¼	0	2	1½	1	¾	½	¼	0
	33.6	33.6	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
	42.9	42.9	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	42.9	42.9	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	42.9	42.9	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	42.9	42.9	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	43.7	43.7	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
	48.3	48.3	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
	50.3	50.3	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
	53.5	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
	54.4	54.4	54.6	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
	55.8	55.8	56.1	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
	60.3	60.4	60.6	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
	64.2	64.3	64.5	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
	71.4	71.5	72.1	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
	77.6	77.9	78.5	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
	82.9	83.6	84.3	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	86.7	87.5	88.7	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	88.8	89.9	91.1	92.4	92.5	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
	89.8	90.9	92.1	93.4	93.5	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
	91.8	93.0	94.2	96.1	96.2	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	92.3	93.7	95.0	97.4	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	92.5	93.9	95.3	98.1	98.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	92.5	93.9	95.3	98.1	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	92.5	93.9	95.6	98.3	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	92.5	94.0	95.7	98.4	98.7	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	92.5	94.0	95.7	98.4	98.7	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	92.7	94.1	95.8	98.6	98.8	99.2	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.7	94.1	95.8	98.7	98.9	99.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 8-73 1800-2000

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

	37.8	40.2	40.2	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
	51.7	52.1	52.2	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
	51.9	52.3	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
	51.9	52.3	52.4	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
	52.7	52.8	52.9	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
	53		53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
	57.1	.3	58.4	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
	60.3	7.8	60.9	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
	65.4	66.0	66.1	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
	65.8	66.3	66.6	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
	66.3	67.0	67.2	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
	72.7	73.3	73.7	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	75.6	76.3	76.7	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
	79.2	80.0	80.4	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
	83.3	84.2	84.7	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	86.1	87.1	87.9	89.6	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
	87.9	88.8	89.8	92.0	92.1	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	89.1	90.1	91.3	93.7	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
	89.6	90.6	91.8	94.2	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
	90.6	91.7	93.0	95.4	96.0	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	91.0	92.3	93.8	96.3	97.0	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
	91.4	92.9	94.4	97.1	97.8	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
	91.7	93.1	94.7	97.6	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	92.1	93.6	95.1	98.0	98.7	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

94043 BITBURG AB GERMANY 69-78 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	49.0	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
	56.6	57.0	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
	56.6	57.0	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
	56.6	57.0	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
	57.2	57.6	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
	58.2	58.5	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
	61.0	61.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
	63.4	63.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
	69.3	69.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
	69.9	70.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
	70.3	70.8	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
	75.0	75.5	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
	78.8	79.3	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
	82.9	83.4	86.6	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
	85.8	86.6	89.9	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
	87.1	87.8	91.1	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	87.7	88.4	91.7	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	88.8	89.5	93.2	93.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
	88.9	89.6	93.5	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
	89.3	90.1	94.3	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	89.9	90.9	95.2	95.4	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	90.3	91.2	95.9	96.2	97.3	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
	90.5	91.5	96.2	96.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	91.0	92.0	96.7	96.9	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
	91.1	92.1	96.8	97.0	98.2	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	91.4	92.4	97.0	97.3	98.8	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	91.5	92.5	97.2	97.4	98.9	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 811

USAF ETAC [illegible] 0-14-5 'OL A1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

340x3 BITBURG Ab GERMANY 19-76 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FT)	VISIBILITY (STATUTE MILES)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		38.0	39.2	40.3	41.7	41.9	42.4	42.8	42.9	43.0	43.1	43.1	43.2	43.2	43.3	43.4	
		44.9	46.2	47.5	49.2	49.4	49.9	50.3	50.5	50.6	50.6	50.7	50.7	50.8	50.9	51.0	
		45.0	46.3	47.6	49.3	49.5	50.1	50.4	50.6	50.7	50.7	50.8	50.8	50.9	51.0	51.1	
		45.0	46.3	47.6	49.3	49.5	50.1	50.4	50.6	50.7	50.7	50.8	50.8	50.9	51.0	51.1	
		45.3	46.6	47.9	49.6	49.8	50.3	50.7	50.9	51.0	51.0	51.1	51.1	51.2	51.3	51.4	
		46.0	47.4	48.7	50.4	50.6	51.2	51.6	51.8	51.8	51.9	51.9	52.0	52.1	52.2	52.3	
		49.4	50.9	52.3	54.1	54.3	54.9	55.3	55.5	55.6	55.6	55.7	55.7	55.8	55.9	56.0	
		51.3	52.8	54.2	56.2	56.5	57.1	57.5	57.7	57.7	57.8	57.8	57.9	58.0	58.0	58.1	
		55.0	56.7	58.4	60.6	60.8	61.5	62.0	62.2	62.3	62.3	62.4	62.4	62.5	62.6	62.7	
		55.6	57.4	59.1	61.3	61.6	62.4	62.8	63.1	63.1	63.2	63.3	63.3	63.4	63.5	63.6	
		56.0	57.9	59.6	61.9	62.2	62.9	63.4	63.6	63.7	63.7	63.8	63.8	63.9	64.0	64.1	
		59.1	61.1	62.8	65.2	65.5	66.2	66.7	66.9	67.0	67.1	67.1	67.2	67.2	67.3	67.4	
		62.4	64.4	66.2	68.7	69.0	69.8	70.3	70.6	70.7	70.7	70.8	70.8	70.9	71.0	71.1	
		66.3	68.4	70.3	73.2	73.5	74.4	74.9	75.2	75.3	75.4	75.4	75.5	75.6	75.7	75.8	
		69.9	72.2	74.3	77.3	77.6	78.6	79.1	79.4	79.5	79.6	79.6	79.7	79.8	79.9	80.0	
		72.8	75.3	77.4	80.7	81.0	82.0	82.6	82.9	83.0	83.0	83.1	83.2	83.3	83.3	83.4	
		75.4	78.0	80.3	83.7	84.1	85.1	85.7	86.1	86.2	86.2	86.3	86.4	86.4	86.5	86.6	
		77.2	79.8	82.3	86.1	86.5	87.5	88.1	88.5	88.6	88.7	88.7	88.8	88.9	89.0	89.1	
		77.9	80.6	83.1	87.0	87.4	88.5	89.1	89.5	89.6	89.6	89.7	89.7	89.8	89.9	90.0	
		79.5	82.3	85.0	89.3	89.8	91.0	91.7	92.1	92.2	92.2	92.3	92.3	92.4	92.5	92.6	
		80.4	83.4	86.2	90.8	91.4	92.8	93.5	93.9	94.0	94.0	94.1	94.2	94.2	94.3	94.4	
		81.0	84.1	87.0	92.1	92.8	94.2	95.1	95.5	95.7	95.7	95.8	95.9	96.0	96.0	96.1	
		81.2	84.2	87.2	92.3	93.0	94.5	95.3	95.8	96.0	96.0	96.1	96.1	96.2	96.3	96.4	
		81.5	84.6	87.7	92.9	93.6	95.2	96.1	96.6	96.8	96.8	96.9	97.0	97.1	97.1	97.2	
		81.7	84.9	88.0	93.3	94.0	95.7	96.7	97.3	97.5	97.5	97.6	97.7	97.7	97.8	97.9	
		81.7	84.9	88.1	93.7	94.4	96.2	97.3	97.9	98.1	98.2	98.3	98.3	98.4	98.5	98.6	
		81.8	85.1	88.3	93.9	94.6	96.6	97.8	98.5	98.8	98.9	99.0	99.0	99.1	99.2	99.4	
		81.8	85.1	88.3	94.0	94.7	96.7	98.0	98.7	99.0	99.1	99.2	99.3	99.4	99.5	99.6	
		81.8	85.1	88.3	94.0	94.7	96.8	98.0	98.8	99.2	99.2	99.3	99.4	99.5	99.7	99.8	
		81.8	85.1	88.3	94.0	94.7	96.8	98.0	98.8	99.2	99.3	99.4	99.5	99.6	99.7	99.9	
		81.8	85.1	88.3	94.0	94.7	96.8	98.0	98.8	99.2	99.3	99.4	99.5	99.6	99.7	99.9	
		81.8	85.1	88.3	94.0	94.7	96.8	98.0	98.8	99.2	99.3	99.4	99.5	99.6	99.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 6953

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3½	≥3	≥2½	≥2	≥1¼	≥1	≥⅝	≥0
NO CEILING	59.0	59.3	60.8	61.5	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	61.1	62.4	63.9	64.8	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 18000	61.1	62.4	63.9	64.8	65.3	65.7	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
> 16000	61.1	62.4	63.9	64.8	65.3	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 14000	61.2	62.5	64.1	64.9	65.4	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	61.7	63.0	64.5	65.4	65.8	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
> 10000	64.2	65.7	.2	68.1	68.6	69.3	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000	64.6	66.3	68.0	68.8	69.4	70.0	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 8000	67.8	69.5	71.1	72.0	72.5	73.2	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000	68.4	70.2	71.8	72.7	73.2	73.9	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000	69.3	71.2	72.9	73.9	74.4	75.1	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	71.8	73.9	75.6	76.7	77.2	77.9	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 4500	75.5	77.7	79.5	80.7	81.3	81.9	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 4000	78.1	80.7	82.7	84.2	84.7	85.5	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 3500	79.6	82.2	84.3	86.4	86.9	87.7	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000	81.5	84.1	86.2	86.2	88.9	89.7	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	82.1	84.7	86.8	89.0	89.7	90.4	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	83.6	86.2	88.2	90.5	91.2	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800	84.0	86.6	88.7	91.0	91.6	92.5	92.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	85.8	88.7	90.8	93.2	93.9	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	87.1	90.0	92.2	94.7	95.3	96.3	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	87.5	90.3	92.7	95.2	95.9	96.8	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	87.7	90.5	92.9	95.4	96.1	97.1	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	88.0	90.8	93.2	95.8	96.4	97.4	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	88.3	91.2	93.6	96.1	96.7	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	88.7	91.5	94.0	96.6	97.3	98.3	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
0	88.9	91.7	94.2	97.2	97.9	98.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 918

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

34049 BITBURG AB GERMANY 49-78 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 0	≥½	≥1	≥1½	≥2	≥2½	≥3	≥3½	≥4	≥4½	≥5	≥5½	≥6	≥6½	≥7
NO CEILING		43.0	46.1	47.7	50.2	51.0	53.2	53.6	54.5	54.6	54.8	54.9	54.9	55.0	55.1	55.3
≥ 22000		45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3
≥ 18000		45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3
≥ 6000		45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.8	57.9	58.3
≥ 4000		45.2	48.5	50.2	52.8	53.7	55.9	56.3	57.2	57.3	57.5	57.6	57.6	57.9	58.0	58.4
≥ 12000		45.3	48.7	50.4	53.0	54.0	56.2	56.6	57.5	57.6	57.8	57.9	57.9	58.3	58.4	58.7
≥ 10000		47.4	50.9	52.6	55.3	56.3	58.5	58.9	59.8	59.9	60.1	60.2	60.2	60.5	60.7	61.1
≥ 9000		48.2	51.5	53.6	56.3	57.3	59.6	60.0	60.9	61.0	61.2	61.3	61.3	61.6	61.7	62.2
≥ 8000		51.1	55.2	57.3	60.4	61.4	64.2	64.7	65.5	66.0	66.2	66.3	66.3	66.6	66.7	67.2
≥ 7000		51.5	55.7	57.8	61.0	62.0	64.8	65.2	66.1	66.5	66.7	66.8	66.8	67.2	67.3	67.7
≥ 6000		52.9	57.1	59.3	62.5	63.5	66.3	66.7	67.6	68.0	68.3	68.4	68.4	68.7	68.8	69.2
≥ 5000		55.5	60.1	62.5	65.8	66.7	69.6	70.0	70.9	71.3	71.5	71.6	71.6	72.0	72.1	72.5
≥ 4500		58.4	63.5	66.0	69.5	70.4	73.4	73.9	74.8	75.2	75.4	75.5	75.5	75.9	76.0	76.4
≥ 4000		60.9	66.3	68.9	73.0	74.0	77.3	77.9	78.8	79.2	79.6	79.7	79.7	80.0	80.1	80.7
≥ 3500		61.7	67.5	70.1	74.6	75.5	79.0	79.9	80.8	81.2	81.5	81.6	81.6	82.0	82.1	82.6
≥ 3000		64.3	70.2	73.0	77.5	78.6	82.1	82.9	83.8	84.2	84.6	84.7	84.7	85.0	85.1	85.7
≥ 2500		65.5	71.4	74.3	78.8	79.9	83.4	84.2	85.1	85.5	85.9	86.0	86.0	86.3	86.4	87.0
≥ 2000		66.5	72.4	75.3	79.8	80.9	84.3	85.3	86.2	86.6	87.0	87.1	87.1	87.4	87.5	88.0
≥ 1800		67.1	72.9	75.9	80.3	81.4	85.1	86.1	87.0	87.4	87.7	87.8	87.8	88.2	88.3	88.8
≥ 1700		69.3	75.4	78.4	82.8	83.9	87.6	88.6	89.5	89.9	90.2	90.3	90.3	90.7	90.8	91.3
≥ 1200		71.1	77.4	80.5	85.2	86.3	90.2	91.2	92.2	92.6	92.9	93.0	93.0	93.4	93.5	94.0
≥ 1000		71.8	78.4	81.5	86.3	87.4	91.8	92.9	93.9	94.3	94.7	94.8	94.8	95.1	95.2	95.8
≥ 900		72.1	78.6	81.7	86.5	87.6	92.1	93.2	94.1	94.6	94.9	95.0	95.0	95.3	95.4	96.0
≥ 800		72.5	79.0	82.2	87.1	88.2	92.7	93.8	94.8	95.2	95.5	95.7	95.7	96.0	96.1	96.6
≥ 700		72.9	79.6	82.7	87.6	88.7	93.4	94.5	95.4	95.9	96.2	96.3	96.3	96.6	96.7	97.3
≥ 600		72.9	79.8	82.9	87.8	88.9	93.6	94.7	95.7	96.1	96.4	96.5	96.5	96.8	97.0	97.5
≥ 500		73.3	80.2	83.6	88.5	89.9	94.8	95.9	96.8	97.3	97.7	97.8	97.8	98.2	98.3	98.8
≥ 400		73.3	80.2	83.6	88.5	89.9	94.8	95.9	96.8	97.3	97.7	97.8	97.8	98.2	98.4	98.9
≥ 300		73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.2	97.6	98.0	98.2	98.3	98.7	98.9	99.5
≥ 200		73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.3	97.8	98.3	98.4	98.5	99.0	99.2	99.9
≥ 100		73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.3	97.8	98.3	98.4	98.6	99.1	99.3	100.0
≥ 0		73.3	80.2	83.6	88.6	90.0	95.0	96.2	97.3	97.8	98.3	98.4	98.6	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 920

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING		27.5	31.7	34.4	39.3	39.8	41.3	42.3	43.1	43.9	43.9	44.0	44.3	44.5	44.8	45.0
≤ 20000		30.5	35.0	38.0	43.1	43.6	45.2	46.3	47.1	48.0	48.0	48.1	48.4	48.6	49.0	49.2
≥ 18000		30.5	35.0	38.0	43.1	43.6	45.2	46.3	47.1	48.0	48.0	48.1	48.4	48.6	49.0	49.2
≥ 16000		30.5	35.0	38.0	43.1	43.6	45.2	46.3	47.1	48.0	48.0	48.1	48.4	48.6	49.0	49.2
≥ 14000		30.6	35.1	38.1	43.2	43.8	45.3	46.4	47.2	48.1	48.1	48.2	48.5	48.8	49.1	49.3
≥ 12000		31.2	35.7	38.8	44.0	44.8	46.4	47.4	48.3	49.2	49.2	49.3	49.6	49.8	50.2	50.4
≥ 10000		32.1	37.2	40.3	45.6	46.5	48.3	49.4	50.4	51.5	51.5	51.6	51.9	52.1	52.4	52.7
≥ 9000		33.3	38.5	41.8	47.6	48.4	50.5	51.6	52.6	53.6	53.6	53.7	54.1	54.3	54.6	54.8
≥ 8000		35.5	41.3	45.3	51.2	52.2	54.3	55.4	56.5	57.5	57.5	57.8	58.1	58.3	58.6	59.0
≥ 7000		36.4	42.1	46.1	52.6	53.5	55.6	56.7	57.8	58.8	58.8	59.1	59.4	59.6	59.9	60.3
≥ 6000		36.9	42.8	46.8	53.3	54.3	56.5	57.5	58.6	59.7	59.7	59.9	60.3	60.5	60.8	61.1
≥ 5000		38.4	44.7	48.8	55.5	56.6	58.8	60.0	61.1	62.2	62.2	62.4	62.8	63.0	63.3	63.6
≥ 4500		40.9	47.8	51.9	58.7	59.8	62.3	63.6	64.7	66.0	66.0	66.2	66.6	66.8	67.1	67.4
≥ 4000		41.7	48.9	53.4	60.3	61.5	64.2	65.9	67.0	68.3	68.3	68.5	68.8	69.1	69.4	69.7
≥ 3500		43.6	51.0	55.8	63.2	64.4	67.3	69.3	70.5	71.8	71.9	72.2	72.5	72.7	73.1	73.4
≥ 3000		45.9	53.5	58.4	66.1	67.8	70.9	72.9	74.0	75.4	75.5	75.8	76.1	76.3	76.7	77.0
≥ 2500		48.1	55.9	61.1	68.9	70.6	73.7	75.7	76.9	78.2	78.3	78.6	79.0	79.3	79.6	79.9
≥ 2000		49.6	58.1	63.5	71.7	73.4	76.9	78.9	80.1	81.4	81.5	81.9	82.3	82.5	82.8	83.2
≥ 1800		49.7	58.2	63.7	72.0	73.7	77.2	79.3	80.5	81.8	81.9	82.2	82.6	82.8	83.2	83.5
≥ 1500		51.5	60.4	66.1	75.1	76.9	80.3	82.8	84.0	85.3	85.5	85.8	86.2	86.4	86.8	87.2
≥ 1200		52.9	62.3	68.1	77.4	79.2	82.8	85.3	86.5	87.8	87.9	88.3	88.7	88.9	89.3	89.7
≥ 1000		54.1	63.8	69.7	79.5	81.2	85.1	87.7	88.9	90.2	90.4	90.8	91.2	91.4	91.7	92.2
≥ 900		54.3	64.1	70.0	79.9	81.7	85.6	88.2	89.4	90.7	90.9	91.2	91.6	91.9	92.2	92.6
≥ 800		54.8	64.7	70.9	80.9	82.6	86.6	89.4	90.7	92.1	92.3	92.6	93.1	93.3	93.6	94.0
≥ 700		54.9	64.8	71.1	81.3	83.1	87.5	90.2	91.6	93.1	93.3	93.6	94.0	94.2	94.6	95.0
≥ 600		54.9	64.8	71.1	81.5	83.3	87.8	90.7	92.2	93.7	93.9	94.2	94.7	94.9	95.2	95.7
≥ 500		55.0	64.9	71.6	82.3	84.0	89.0	92.3	93.8	95.3	95.5	95.9	96.3	96.5	96.9	97.3
≥ 400		55.2	65.0	71.7	82.5	84.3	89.5	92.8	94.4	96.0	96.2	96.5	97.3	97.5	97.8	98.3
≥ 300		55.3	65.1	71.9	82.7	84.5	89.9	93.3	95.1	96.7	97.0	97.3	98.2	98.4	98.8	99.2
≥ 200		55.3	65.1	71.9	82.7	84.5	89.9	93.4	95.2	97.0	97.2	97.5	98.4	98.8	99.2	100.0
≥ 100		55.3	65.1	71.9	82.7	84.5	89.9	93.4	95.2	97.0	97.2	97.5	98.4	98.8	99.2	100.0
≥ 0		55.3	65.1	71.9	82.7	84.5	89.9	93.4	95.2	97.0	97.2	97.5	98.4	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 (STATION) BITBURG Ab GERMANY (STATION NAME) 69-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	0
NO CEILING	33.3	35.1	37.0	40.8	41.0	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	38.2	40.2	42.5	46.3	46.5	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000	38.5	40.5	42.8	46.6	46.8	47.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 16000	38.7	40.6	42.9	46.7	46.9	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	38.9	40.8	43.1	46.9	47.1	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 12000	39.5	41.6	44.0	47.8	48.0	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000	40.6	42.8	45.3	49.1	49.3	49.6	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 9000	41.5	44.1	46.6	50.5	50.7	51.0	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	44.1	46.8	49.5	53.4	53.6	54.1	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 7000	45.3	48.1	50.8	54.9	55.2	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	46.4	49.2	51.9	56.1	56.4	56.9	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	47.2	50.1	52.8	57.0	57.2	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 4500	49.4	52.2	55.2	59.5	59.7	60.3	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4000	51.8	54.8	57.9	62.3	62.6	63.4	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	54.7	58.0	61.1	65.7	66.1	67.0	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3000	57.8	61.0	64.4	68.9	69.4	70.5	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	62.6	65.9	69.3	73.8	74.3	75.4	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	68.8	72.4	76.0	80.9	81.3	82.4	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	69.7	73.3	77.0	81.9	82.3	83.4	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	72.9	76.4	80.3	85.6	86.0	87.1	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1200	74.8	78.5	82.6	88.1	88.6	89.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1000	75.7	79.7	84.3	89.9	90.4	91.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	76.1	80.1	84.9	91.0	91.5	92.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800	76.7	80.8	86.0	92.2	92.7	93.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 700	76.7	80.9	86.2	92.8	93.4	94.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	76.9	81.1	86.6	93.4	94.0	95.3	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	77.0	81.2	86.8	93.9	94.7	96.4	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.7	99.8	99.8	99.8
≥ 200	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.8	100.0	100.0	100.0
≥ 100	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.8	100.0	100.0	100.0
≥ 0	77.0	81.2	86.8	94.0	94.8	96.6	98.5	99.5	99.6	99.6	99.6	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS L.S.)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1 7/8	≥1 1/4	≥1	≥ 3/4	≥ 1/2	≥ 1/4	≥5/16	≥ 1/8	≥0
NO CEILING		33.7	34.4	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000		40.4	41.5	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000		40.5	41.6	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 17000		40.6	41.7	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000		40.6	41.7	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000		41.5	42.6	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 10000		42.3	43.4	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 9000		43.8	45.0	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 8000		46.8	48.0	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000		48.2	49.4	50.5	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 6000		49.0	50.2	51.2	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 5000		52.0	53.3	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500		56.0	57.3	58.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 4000		61.1	62.5	63.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3500		70.4	71.8	73.0	74.0	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000		78.0	79.4	80.6	81.7	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500		83.0	84.5	85.7	86.9	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000		87.5	89.0	90.6	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		87.9	89.5	91.0	92.6	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500		90.0	91.7	93.4	95.4	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200		90.6	92.3	94.1	96.4	96.4	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000		90.8	92.6	94.6	96.9	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		91.2	93.1	95.0	97.3	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800		92.1	93.9	96.0	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		92.2	94.0	96.1	98.5	98.5	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		92.2	94.0	96.2	98.6	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		92.2	94.0	96.3	98.8	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		92.2	94.0	96.3	98.8	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		92.2	94.0	96.3	98.8	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

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

34049 BITBURG AB GERMANY 69-76 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 18000	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 15000	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 14000	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 12000	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 9000	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 8000	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 7000	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 6000	57.1	57.4	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 5000	61.9	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	69.2	69.5	69.7	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	77.1	77.4	77.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500	83.2	83.8	84.3	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	87.4	88.1	88.5	89.1	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	90.4	91.1	91.5	92.4	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	92.1	92.7	93.3	94.5	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	92.3	92.9	93.7	95.0	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	93.6	94.4	95.3	96.6	96.9	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	94.2	95.1	96.1	97.4	97.6	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	94.4	95.2	96.3	97.6	97.8	97.9	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	94.6	95.4	96.5	97.8	98.0	98.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	94.9	95.8	97.0	98.3	98.5	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	94.9	95.8	97.0	98.3	98.5	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	94.9	95.8	97.1	98.4	98.6	98.7	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	94.9	95.8	97.1	98.5	98.7	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	94.9	95.8	97.1	98.5	98.7	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	94.9	95.8	97.1	98.6	98.8	99.0	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	95.0	95.9	97.2	98.7	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.0	95.9	97.2	98.7	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	95.0	95.9	97.2	98.7	98.9	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 921

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

34049 BITBURG AB GERMANY 69-78 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
NO CEILING	40.9	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 22000	49.3	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 10000	49.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 6000	49.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 5000	49.4	50.4	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 4500	51.7	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 4000	55.1	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 3500	57.1	58.1	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 3000	61.9	63.0	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 2500	63.8	64.9	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 2000	65.4	66.8	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1800	70.4	71.9	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 1600	75.4	77.0	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1400	81.5	83.5	83.9	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200	85.3	87.4	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1000	87.7	90.1	90.9	91.4	91.5	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 900	90.3	92.8	93.8	94.5	94.6	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	91.7	94.5	95.4	96.1	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	91.9	94.7	95.8	96.4	96.5	96.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	92.6	95.4	96.6	97.5	97.6	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	93.0	95.9	97.2	98.2	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	93.3	96.1	97.4	98.6	98.7	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	93.3	96.2	97.5	98.7	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	93.5	96.5	97.8	99.0	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	93.5	96.5	97.8	99.0	99.1	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	93.5	96.5	97.8	99.0	99.1	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.6	96.6	97.9	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 919

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 69-78 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥	≥	≥	≥	≥5/8	≥	≥0
NO CEILING	52.5	53.2	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	58.5	59.2	60.1	60.5	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000	59.3	60.1	61.0	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 3500	62.8	63.6	64.7	65.2	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 3000	63.5	64.3	65.4	65.9	65.9	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 2500	67.7	68.4	69.5	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 2000	70.1	70.9	72.0	72.6	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1800	71.0	72.2	73.3	73.9	73.9	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500	74.8	76.1	77.2	77.8	77.8	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	78.9	80.3	81.4	82.1	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1000	83.3	84.8	86.0	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 900	86.2	87.9	89.1	90.4	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 800	88.2	89.8	91.0	92.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 700	89.5	91.3	92.5	94.0	94.0	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 600	91.5	93.3	94.5	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	91.5	93.3	94.6	96.2	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400	92.5	94.5	96.0	97.5	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	92.9	95.2	96.7	98.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	93.1	95.5	97.0	98.8	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	93.1	95.6	97.2	98.9	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	93.2	95.7	97.3	99.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	93.4	96.2	97.7	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

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

34049 BITBURG AB GERMANY 69-78 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING		40.7	42.3	43.5	45.1	45.3	45.8	46.1	46.3	46.4	46.4	46.5	46.5	46.5	46.6	46.6
≥ 20000		45.8	47.5	48.8	50.4	50.7	51.3	51.5	51.8	51.9	51.9	51.9	52.0	52.0	52.1	52.2
≥ 18000		45.9	47.6	48.9	50.6	50.8	51.4	51.6	51.9	52.0	52.0	52.1	52.1	52.1	52.2	52.3
≥ 17000		45.9	47.6	48.9	50.6	50.8	51.4	51.7	51.9	52.0	52.1	52.1	52.1	52.2	52.2	52.3
≥ 16000		46.0	47.7	49.0	50.6	50.9	51.5	51.7	52.0	52.1	52.1	52.1	52.2	52.2	52.3	52.4
≥ 15000		46.9	48.7	50.0	51.7	52.0	52.5	52.8	53.0	53.2	53.2	53.2	53.2	53.3	53.4	53.4
≥ 14000		49.2	51.1	52.4	54.1	54.5	55.1	55.4	55.7	55.8	55.8	55.9	55.9	56.0	56.0	56.1
≥ 13000		50.4	52.3	53.9	55.7	56.1	56.7	57.0	57.3	57.5	57.5	57.5	57.6	57.6	57.7	57.8
≥ 12000		53.8	56.0	57.6	59.6	59.9	60.7	61.0	61.3	61.5	61.5	61.5	61.6	61.6	61.7	61.8
≥ 11000		55.0	57.2	58.8	60.9	61.2	62.0	62.3	62.6	62.8	62.8	62.8	62.9	62.9	63.0	63.1
≥ 10000		56.0	58.3	60.0	62.1	62.4	63.2	63.5	63.8	64.0	64.0	64.0	64.1	64.2	64.2	64.3
≥ 9000		59.0	61.5	63.2	65.3	65.7	66.5	66.8	67.1	67.3	67.3	67.4	67.4	67.5	67.6	67.6
≥ 8000		62.9	65.6	67.4	69.7	70.1	70.9	71.3	71.6	71.8	71.8	71.9	71.9	72.0	72.0	72.1
≥ 7000		66.9	69.8	71.8	74.3	74.6	75.6	76.0	76.3	76.6	76.6	76.6	76.7	76.8	76.8	76.9
≥ 6500		70.6	73.7	75.7	78.4	78.8	79.9	80.4	80.7	80.9	81.0	81.0	81.1	81.1	81.2	81.3
≥ 6000		73.8	77.0	79.1	81.9	82.4	83.5	84.1	84.4	84.6	84.7	84.7	84.8	84.8	84.9	85.0
≥ 5500		76.4	79.7	81.9	84.8	85.3	86.4	86.9	87.3	87.5	87.5	87.6	87.7	87.7	87.8	87.9
≥ 5000		78.9	82.3	84.6	87.7	88.2	89.4	90.0	90.3	90.5	90.6	90.6	90.7	90.8	90.8	90.9
≥ 4500		79.3	82.7	85.0	88.2	88.7	89.9	90.5	90.8	91.1	91.1	91.2	91.2	91.3	91.4	91.5
≥ 4000		81.0	84.6	87.1	90.5	91.0	92.2	92.9	93.3	93.5	93.6	93.6	93.7	93.7	93.8	93.9
≥ 3500		82.1	85.8	88.4	92.0	92.5	93.8	94.5	94.9	95.1	95.2	95.2	95.3	95.4	95.4	95.5
≥ 3000		82.6	86.4	89.2	92.8	93.4	94.8	95.5	95.9	96.2	96.2	96.3	96.3	96.4	96.5	96.6
≥ 2500		82.8	86.7	89.5	93.2	93.7	95.2	95.9	96.3	96.5	96.6	96.7	96.7	96.8	96.8	97.0
≥ 2000		83.2	87.2	90.0	93.8	94.4	95.8	96.6	97.0	97.3	97.3	97.4	97.4	97.5	97.6	97.7
≥ 1800		83.3	87.4	90.3	94.1	94.7	96.2	97.0	97.4	97.7	97.8	97.8	97.9	97.9	98.0	98.1
≥ 1600		83.4	87.5	90.4	94.3	94.9	96.5	97.3	97.8	98.1	98.2	98.2	98.3	98.4	98.4	98.5
≥ 1400		83.5	87.6	90.6	94.7	95.4	97.1	98.0	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.3
≥ 1200		83.5	87.6	90.6	94.8	95.4	97.2	98.2	98.7	9 .0	99.1	99.2	99.3	99.3	99.4	99.5
≥ 1000		83.6	87.6	90.7	94.8	95.4	97.3	98.3	98.9	99.2	99.3	99.3	99.5	99.6	99.6	99.8
≥ 800		83.6	87.6	90.7	94.8	95.5	97.3	98.3	99.0	99.3	99.4	99.4	99.6	99.7	99.8	100.0
≥ 600		83.6	87.6	90.7	94.8	95.5	97.3	98.3	99.0	99.3	99.4	99.4	99.6	99.7	99.8	100.0
≥ 0		83.6	87.6	90.7	94.8	95.5	97.3	98.3	99.0	99.3	99.4	99.4	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7356

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 59-78 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
NO CEILING	57.8	59.8	60.2	61.6	61.8	62.8	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.9
≥ 20000	61.7	63.6	64.2	66.0	66.0	67.0	67.7	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.2
≥ 8000	61.7	63.6	64.2	66.0	66.0	67.0	67.7	67.8	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.2
≥ 6000	61.8	63.7	64.3	66.2	66.2	67.1	67.8	67.9	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.3
≥ 4000	61.8	63.7	64.3	66.2	66.2	67.1	67.8	67.9	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.3
≥ 2200	61.8	63.7	64.3	66.2	66.2	67.1	67.8	67.9	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.3
≥ 10000	64.2	66.3	66.8	68.7	68.7	69.9	70.5	70.6	70.8	70.8	70.8	70.8	70.9	70.9	70.9	71.1
≥ 9000	65.5	67.6	68.2	70.2	70.2	71.4	72.1	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.6
≥ 8000	68.7	70.9	71.5	74.4	74.4	75.6	76.3	76.5	76.6	76.6	76.6	76.6	76.7	76.7	76.7	76.9
≥ 7000	69.7	71.9	72.6	75.4	75.4	76.7	77.4	77.5	77.7	77.7	77.7	77.7	77.8	77.8	77.8	78.0
≥ 6000	69.9	72.1	72.8	75.6	75.6	76.9	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.2
≥ 5000	72.7	74.9	75.7	78.5	78.5	79.8	80.6	80.7	80.8	80.8	80.8	80.8	80.9	80.9	80.9	81.2
≥ 4500	75.1	77.3	78.2	81.1	81.1	82.4	83.1	83.2	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.7
≥ 4000	77.2	79.4	80.3	83.2	83.2	84.8	85.5	85.7	85.8	85.8	85.8	85.8	85.9	85.9	85.9	86.1
≥ 3500	79.2	81.6	82.5	85.4	85.7	87.2	88.0	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.5
≥ 3000	80.8	83.4	84.3	87.3	87.5	89.0	89.8	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.4
≥ 2500	80.9	83.5	84.7	87.8	88.1	89.6	90.4	90.5	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.9
≥ 2000	81.2	83.7	85.0	88.4	88.6	90.3	91.0	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.6
1800	81.4	83.9	85.2	88.6	88.8	90.5	91.2	91.3	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.9
≥ 1500	82.4	84.9	86.2	89.7	89.9	91.6	92.3	92.6	92.8	92.8	92.8	92.8	92.9	92.9	92.9	93.1
≥ 1200	83.6	86.2	87.6	91.1	91.3	93.0	93.8	94.0	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.5
≥ 1000	83.9	86.5	88.1	91.9	92.1	93.8	94.6	94.9	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.4
≥ 900	83.9	86.5	88.1	92.0	92.2	93.9	94.7	95.0	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.5
≥ 800	84.0	86.6	88.2	92.1	92.3	94.3	95.3	95.6	95.8	95.8	95.8	95.8	95.9	95.9	95.9	96.2
≥ 700	84.0	86.7	88.3	92.7	92.9	94.9	95.9	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.8
≥ 600	84.2	87.0	88.5	92.9	93.1	95.2	96.5	96.8	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.4
≥ 500	84.2	87.0	88.6	93.4	93.6	96.2	97.8	98.2	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.9
≥ 400	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	99.0
≥ 300	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	99.0
≥ 200	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.4	98.8	98.8	98.9	99.0	99.1	99.1	99.1	99.6
≥ 100	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.5	98.9	98.9	98.9	99.0	99.1	99.5	99.5	99.9
≥ 0	84.2	87.0	88.6	93.4	93.8	96.3	97.9	98.5	98.9	98.9	98.9	99.0	99.1	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 913

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

34040 BITBURG AB GERMANY 69-72 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	44.9	48.1	49.7	52.4	53.2	55.0	56.2	56.7	56.8	56.8	56.8	56.8	56.8	56.9	56.9
≥ 22000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.8	60.8
≥ 20000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.8	60.8
≥ 18000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.8	60.8
≥ 17000	47.9	51.4	53.0	56.2	57.0	58.9	60.1	60.5	60.7	60.7	60.7	60.7	60.7	60.8	60.8
≥ 16000	47.9	51.4	53.1	56.3	57.1	59.0	60.2	60.6	60.8	60.8	60.8	60.8	60.8	60.9	60.9
≥ 15000	49.6	53.2	54.9	58.4	59.2	61.1	62.3	62.7	62.9	62.9	62.9	62.9	62.9	63.0	63.0
≥ 14000	51.2	54.9	56.7	60.5	61.3	63.1	64.3	64.8	65.0	65.0	65.0	65.0	65.0	65.1	65.1
≥ 13000	55.1	59.1	60.9	65.9	66.6	68.5	69.7	70.4	70.8	70.8	70.8	70.8	70.8	70.9	70.9
≥ 12000	55.7	59.6	61.5	66.5	67.3	69.1	70.4	71.0	71.4	71.4	71.4	71.4	71.4	71.6	71.6
≥ 11000	56.5	60.4	62.3	67.4	68.2	70.0	71.2	71.9	72.3	72.3	72.3	72.3	72.3	72.4	72.4
≥ 10000	58.1	62.1	64.0	69.3	70.0	72.0	73.3	74.0	74.4	74.5	74.5	74.6	74.6	74.7	74.8
≥ 9000	61.1	65.2	67.2	72.5	73.4	75.5	76.9	77.6	78.0	78.1	78.1	78.2	78.2	78.3	78.4
≥ 8000	62.4	66.7	69.0	74.9	75.8	77.9	79.3	80.0	80.4	80.5	80.5	80.6	80.6	80.7	80.9
≥ 7000	64.2	68.7	71.0	77.0	77.9	80.0	81.4	82.1	82.5	82.6	82.6	82.7	82.7	82.8	83.0
≥ 6000	67.1	71.8	74.1	80.1	81.0	83.0	84.5	85.1	85.7	85.8	85.8	85.9	85.9	86.0	86.2
≥ 5000	67.5	72.3	74.7	80.9	81.7	83.9	85.3	86.0	86.5	86.7	86.7	86.8	86.8	86.9	87.1
≥ 4500	67.6	72.4	75.1	81.3	82.3	84.6	86.0	86.8	87.3	87.4	87.4	87.5	87.5	87.6	87.9
≥ 4000	67.6	72.4	75.1	81.3	82.3	84.6	86.0	86.8	87.3	87.4	87.4	87.5	87.5	87.6	87.9
≥ 3500	68.6	73.4	76.1	82.7	83.7	86.0	87.4	88.2	88.7	88.8	88.8	88.9	88.9	89.1	89.3
≥ 3000	70.2	75.2	78.2	85.3	86.3	88.6	90.0	90.8	91.4	91.5	91.5	91.6	91.6	91.7	91.9
≥ 2900	70.6	75.6	78.7	85.9	86.9	89.4	90.9	91.7	92.3	92.5	92.5	92.6	92.6	92.7	92.9
≥ 2800	70.9	76.0	79.1	86.4	87.4	89.9	91.5	92.2	92.9	93.0	93.0	93.1	93.1	93.2	93.4
≥ 2700	71.3	76.5	79.6	87.1	88.2	90.9	92.8	93.5	94.2	94.3	94.3	94.4	94.4	94.5	94.7
≥ 2600	71.4	76.6	79.8	87.4	88.5	91.2	93.1	94.0	94.6	94.7	94.9	95.1	95.1	95.2	95.4
≥ 2500	71.4	76.6	79.8	87.7	88.9	92.0	94.1	95.0	95.6	95.7	95.8	96.1	96.1	96.2	96.4
≥ 2400	71.6	76.7	79.9	88.0	89.2	92.6	94.7	95.7	96.4	96.5	96.6	96.8	96.8	96.9	97.2
≥ 2200	71.6	76.7	79.9	88.2	89.5	93.0	95.5	96.7	97.4	97.5	97.6	97.8	97.8	97.9	98.1
≥ 2000	71.6	76.8	80.0	88.4	89.7	93.3	95.8	97.0	97.9	98.0	98.1	98.4	98.4	98.5	98.7
≥ 1800	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.3	98.1	98.2	98.4	98.6	98.7	98.9	99.1
≥ 1600	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.8	99.0	99.9
≥ 0	71.6	76.8	80.0	88.4	89.7	93.4	96.1	97.4	98.2	98.4	98.5	98.7	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 914

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY (9-76) AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING (FT)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1¾	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	28.9	32.7	35.1	40.6	41.4	44.4	45.6	46.8	47.3	47.7	47.7	47.9	48.0	48.4	49.0
≥ 20000	30.2	34.1	36.7	43.0	43.7	46.8	48.0	49.2	49.8	50.3	50.3	50.5	50.7	51.1	51.8
≥ 15000	30.2	34.1	36.7	43.0	43.7	46.8	48.0	49.2	49.8	50.3	50.3	50.5	50.7	51.1	51.8
≥ 10000	30.3	34.2	36.8	43.1	43.8	46.9	48.1	49.3	49.9	50.4	50.4	50.6	50.8	51.3	51.9
≥ 8000	30.3	34.3	36.9	43.2	43.9	47.0	48.2	49.4	50.1	50.5	50.5	50.7	50.9	51.4	52.0
≥ 7000	30.6	34.6	37.5	43.9	44.7	47.9	49.1	50.3	51.0	51.5	51.5	51.7	51.9	52.3	53.0
≥ 6000	31.5	36.0	38.9	45.6	46.3	49.7	50.9	52.2	53.0	53.4	53.4	53.7	53.9	54.3	55.0
≥ 5000	32.7	37.2	40.1	46.9	48.0	51.8	53.0	54.3	55.1	55.5	55.5	55.7	56.1	56.5	57.2
≥ 4500	34.9	39.6	42.8	50.2	51.5	55.6	56.8	58.1	59.0	59.5	59.5	59.9	60.2	60.7	61.3
≥ 4000	35.7	40.5	43.8	51.4	52.8	57.0	58.4	59.7	60.5	61.0	61.0	61.4	61.9	62.3	63.0
≥ 3500	36.3	41.1	44.4	51.9	53.4	57.7	59.1	60.4	61.3	61.7	61.7	62.2	62.6	63.1	63.7
≥ 3000	37.7	42.8	46.1	54.5	56.1	60.7	62.1	63.4	64.3	64.7	64.7	65.1	65.6	66.0	66.7
≥ 2500	39.0	44.2	47.5	56.1	57.8	63.2	64.7	66.0	66.9	67.3	67.3	67.8	68.2	68.6	69.3
≥ 2000	40.9	46.1	49.5	58.5	60.7	66.4	68.0	69.3	70.2	70.6	70.6	71.0	71.5	71.9	72.6
≥ 1800	42.7	48.2	51.6	60.9	63.1	69.2	70.8	72.1	73.0	73.4	73.4	73.9	74.3	74.8	75.4
≥ 1600	44.5	50.1	53.4	63.1	65.4	71.6	73.2	74.5	75.4	75.8	75.8	76.3	76.7	77.2	77.8
≥ 1400	45.6	51.4	55.1	65.2	67.5	74.0	75.7	77.2	78.0	78.5	78.5	78.9	79.3	79.8	80.4
≥ 1200	46.9	52.9	56.8	67.2	69.6	76.2	77.9	79.3	80.3	80.8	80.8	81.2	81.6	82.2	82.8
≥ 1000	47.3	53.3	57.5	67.9	70.3	76.9	78.8	80.2	81.3	81.7	81.7	82.2	82.6	83.2	83.8
≥ 900	49.1	55.1	59.3	69.9	72.5	79.6	81.5	83.0	84.0	84.6	84.6	85.0	85.5	86.0	86.7
≥ 800	51.4	57.5	61.7	72.7	75.2	82.6	84.8	86.2	87.3	87.9	87.9	88.3	88.7	89.3	89.9
≥ 700	52.3	58.7	63.5	74.9	77.4	84.8	87.1	88.6	89.7	90.4	90.4	90.8	91.3	91.8	92.5
≥ 600	52.6	58.9	63.7	75.3	77.8	85.2	87.7	89.2	90.3	90.9	90.9	91.4	91.8	92.3	93.0
≥ 500	52.9	59.3	64.3	76.3	78.8	86.2	88.6	90.3	91.4	92.0	92.0	92.5	92.9	93.6	94.2
≥ 450	53.0	59.6	64.5	76.7	79.2	86.9	89.3	91.1	92.2	92.9	92.9	93.3	93.8	94.4	95.1
≥ 400	53.2	59.8	64.7	76.9	79.5	87.2	89.7	91.6	92.7	93.3	93.3	93.8	94.2	94.9	95.5
≥ 350	53.3	60.0	65.0	77.5	80.2	88.4	91.0	93.0	94.5	95.2	95.3	95.7	96.2	96.8	97.5
≥ 300	53.6	60.2	65.2	77.9	80.7	89.0	91.9	93.9	95.4	96.1	96.2	96.6	97.0	97.7	98.4
≥ 250	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.6	97.2	97.7	98.4	99.0
≥ 200	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.7	97.4	97.9	98.9	99.6
≥ 100	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.7	97.5	98.0	99.0	100.0
≥ 0	53.6	60.2	65.2	78.0	80.8	89.1	92.0	94.2	95.7	96.5	96.7	97.5	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 69-75 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	6	5	4	3½	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0
	34.3	37.2	40.1	43.9	44.3	44.6	45.0	45.2	45.4	45.4	45.4	45.5	45.5	45.5	45.6	
	35.6	41.5	44.7	49.0	49.3	49.6	50.1	50.4	50.6	50.6	50.6	50.7	50.7	50.7	50.8	
	35.7	41.6	44.8	49.1	49.4	49.7	50.2	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.9	
	38.7	41.6	44.8	49.1	49.4	49.7	50.2	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.9	
	38.7	41.6	44.8	49.1	49.4	49.7	50.2	50.5	50.7	50.7	50.7	50.8	50.8	50.8	50.9	
	38.3	42.4	45.6	49.9	50.3	50.6	51.0	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.8	
	41.0	44.4	47.7	52.7	53.0	53.3	53.8	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.5	
	42.5	45.9	49.5	54.6	55.0	55.5	56.1	56.4	56.6	56.6	56.6	56.7	56.7	56.7	56.8	
	44.9	48.4	52.3	57.8	58.3	58.0	59.6	59.9	60.1	60.1	60.1	60.2	60.2	60.2	60.3	
	45.4	48.9	53.1	58.7	59.1	59.9	60.4	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.2	
	45.8	49.3	53.6	59.2	59.7	60.4	61.0	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.7	
	46.9	50.5	55.2	61.3	61.7	62.5	63.1	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.8	
	48.9	52.5	57.2	63.6	64.0	65.2	65.9	66.2	66.6	66.6	66.6	66.7	66.7	66.7	66.8	
	50.1	53.7	58.5	65.4	65.9	67.1	67.8	68.1	68.4	68.4	68.4	68.5	68.5	68.5	68.6	
	52.0	55.6	60.4	67.7	68.2	69.4	70.1	70.4	70.7	70.7	70.7	70.8	70.8	70.8	70.9	
	55.0	58.7	63.5	70.8	71.4	72.7	73.4	73.8	74.1	74.1	74.1	74.2	74.2	74.2	74.3	
	57.4	61.1	66.0	73.7	74.3	75.7	76.5	76.8	77.2	77.2	77.2	77.3	77.3	77.3	77.4	
	62.5	66.7	71.8	80.0	80.7	82.2	83.0	83.3	83.6	83.6	83.6	83.7	83.7	83.7	83.8	
	63.3	67.5	72.9	81.1	81.7	83.4	84.2	84.5	84.8	84.8	84.8	84.9	84.9	84.9	85.0	
	65.5	70.3	76.2	84.4	85.1	86.9	87.8	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.6	
	67.7	72.7	79.3	87.7	88.5	90.3	91.1	91.5	91.8	91.8	91.8	91.9	91.9	91.9	92.0	
	68.5	73.6	80.4	89.3	90.2	91.9	92.8	93.1	93.4	93.4	93.4	93.6	93.6	93.6	93.7	
	68.6	73.7	80.9	89.9	90.8	92.6	93.4	93.8	94.1	94.1	94.1	94.2	94.2	94.2	94.3	
	69.2	74.2	81.7	91.0	91.9	93.7	94.6	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.5	
	69.3	74.6	82.6	92.1	93.1	95.1	96.4	96.7	97.0	97.0	97.0	97.2	97.2	97.2	97.3	
	69.3	74.6	82.7	92.5	93.6	95.6	96.9	97.3	97.6	97.6	97.6	97.7	97.7	97.7	97.8	
	69.3	74.6	82.7	92.7	93.8	96.0	97.7	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.8	
	69.3	74.6	82.7	92.9	94.0	96.2	97.9	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.2	
	69.3	74.6	82.7	92.9	94.0	96.2	97.9	98.7	99.2	99.2	99.2	99.3	99.3	99.3	99.5	
	69.3	74.6	82.7	92.9	94.0	96.2	97.9	98.7	99.2	99.2	99.2	99.7	99.7	99.7	99.8	
	69.3	74.6	82.7	92.9	94.0	96.2	97.9	98.7	99.2	99.2	99.2	99.7	99.8	99.8	99.9	
	69.3	74.6	82.7	92.9	94.0	96.2	97.9	98.7	99.2	99.2	99.2	99.7	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 915

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 49-7E AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS 1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
		2	1½	1¼	1	¾	½	⅜	¼	1/8	0					
		34.7	37.4	38.7	39.0	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.	39.3
		44.9	45.7	47.2	48.1	48.2	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
		45.0	45.8	47.3	48.2	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
		45.0	45.8	47.3	48.2	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
		45.0	45.8	47.3	48.2	48.3	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
		46.9	47.8	49.3	50.2	50.3	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
		49.4	50.3	51.8	52.9	53.0	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
		51.0	51.9	53.4	54.6	54.6	54.6	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
		53.9	54.8	56.4	57.7	57.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
		54.5	55.5	57.2	58.5	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
		55.3	56.3	57.9	59.2	59.3	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
		56.5	59.5	61.3	62.6	62.7	62.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
		62.3	63.3	65.2	67.0	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
		65.5	66.7	68.6	70.6	70.7	71.1	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
		69.9	71.1	73.1	75.1	75.2	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
		77.2	78.6	80.7	82.7	82.8	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
		81.5	83.0	85.4	87.7	87.8	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
		85.4	86.9	89.3	91.8	91.9	92.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
		86.6	88.1	90.5	93.1	93.2	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
		88.6	90.2	92.8	95.7	95.8	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
		89.4	90.9	93.8	96.8	96.9	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
		89.7	91.3	94.1	97.3	97.4	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
		90.1	91.6	94.5	97.7	97.8	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
		90.5	92.0	95.0	98.3	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
		90.6	92.1	95.1	98.4	98.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
		90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		90.6	92.1	95.1	98.4	98.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

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

34049 BITBURG AB GERMANY 69-76 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¼	≥1	≥¾	≥½	≥¼	0			
NO CEILING	37.4	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 25000	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	46.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 18000	46.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 14000	47.0	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000	48.2	48.3	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000	51.4	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 9000	53.3	53.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 8000	59.2	59.9	60.4	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 7000	60.1	60.8	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 6000	60.8	61.5	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 5000	65.9	65.7	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4500	70.6	71.6	72.2	72.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000	76.1	77.0	77.8	78.5	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3500	81.6	82.7	83.6	84.5	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3000	87.7	88.9	90.2	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	89.5	90.9	92.5	93.3	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2000	91.9	93.4	95.2	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	92.0	93.6	95.5	96.6	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	92.8	94.3	96.4	97.5	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	92.	94.4	96.5	97.6	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	93.1	94.6	96.7	97.9	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	93.2	94.8	96.8	98.0	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	93.6	95.1	97.2	98.4	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	93.9	95.4	97.5	98.7	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	93.9	95.4	97.5	98.8	98.9	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	93.9	95.4	97.5	98.9	99.0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS (1800-2000)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 0	≥ ½	≥ ¾	≥ 1	≥ 1¼	≥ 1½	≥ 1¾	≥ 2	≥ 2½	≥ 3	≥ 4	≥ 5	≥ 5/16	≥ ½	≥ 0
NO CEILING	47.0	47.2	48.1	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	56.2	56.5	57.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 18000	56.2	56.5	57.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	56.2	56.5	57.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 14000	56.2	56.5	57.5	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	57.5	57.8	58.8	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	61.1	61.6	62.9	64.2	64.2	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	63.1	63.8	65.2	66.5	66.5	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	68.5	69.3	70.8	72.2	72.2	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	69.4	70.3	71.8	73.2	73.2	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 6000	70.3	71.1	72.7	74.1	74.1	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	74.3	75.3	76.8	78.5	78.5	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4500	78.9	80.0	81.7	83.4	83.4	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	82.5	83.6	85.3	87.0	87.0	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 3500	84.6	85.8	87.6	89.4	89.5	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	86.8	88.1	90.0	91.8	91.9	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	87.9	89.4	91.4	93.3	93.4	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	89.5	90.9	93.1	95.3	95.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	89.8	91.2	93.4	95.6	95.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	90.2	91.8	94.2	96.6	96.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	90.3	92.0	94.4	96.8	97.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	90.7	92.3	94.7	97.1	97.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	90.7	92.3	94.7	97.1	97.5	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	90.7	92.3	94.8	97.3	97.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	90.7	92.3	94.8	97.3	97.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	90.7	92.3	94.8	97.3	97.6	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	90.7	92.3	94.8	97.3	97.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	90.7	92.3	94.8	97.3	97.7	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.7	92.3	94.8	97.3	97.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	90.7	92.3	94.8	97.3	97.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	90.7	92.3	94.8	97.3	97.7	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	90.7	92.3	94.8	97.3	97.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 911

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

34049 BITBURG AB GERMANY 69-78 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥⅝	≥½	≥¼	≥0
NO CEILING	56.3	56.9	57.3	58.9	59.3	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
	62.6	63.1	64.0	66.4	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
≥ 8000	62.6	63.1	64.0	66.4	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
≥ 6000	62.6	63.1	64.0	66.4	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
≥ 4500	62.6	63.1	64.0	66.4	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
≥ 3000	63.4	63.9	64.8	67.2	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
≥ 2500	67.2	68.0	68.9	71.3	71.7	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2
≥ 2000	68.5	69.5	70.5	72.9	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8
≥ 1800	72.6	74.0	75.2	77.7	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5
≥ 1500	73.4	74.8	76.0	78.4	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3
≥ 1000	73.7	75.1	76.3	78.8	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8
≥ 900	76.9	78.4	79.6	82.1	82.5	82.7	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.1
≥ 800	79.3	81.0	82.2	84.6	85.0	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6	85.6
≥ 700	82.2	83.8	85.1	87.6	88.0	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6
≥ 600	84.7	86.6	88.0	90.4	91.0	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5
≥ 500	86.7	88.6	90.1	92.6	93.2	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.1	94.1
≥ 400	87.3	89.2	90.9	93.5	94.1	94.6	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.0	95.0
≥ 300	87.9	89.8	91.6	94.5	95.0	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0
≥ 200	87.9	89.8	91.7	94.6	95.2	95.7	95.9	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.3
≥ 150	88.1	90.0	92.2	95.0	95.6	96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 100	88.4	90.3	92.5	95.5	96.0	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2
≥ 000	88.9	90.8	93.1	96.6	97.1	98.0	98.7	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 000	88.9	90.8	93.2	96.7	97.2	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 000	89.0	90.9	93.3	96.9	97.5	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 700	89.0	90.9	93.3	96.9	97.5	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 600	89.0	90.9	93.3	97.0	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 500	89.0	90.9	93.3	97.0	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400	89.0	90.9	93.3	97.0	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 300	89.0	90.9	93.3	97.0	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8
≥ 200	89.0	90.9	93.3	97.0	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.8	99.8
≥ 100	89.0	90.9	93.3	97.0	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.8	100.0
≥ 0	89.0	90.9	93.3	97.0	97.6	98.5	99.2	99.6	99.6	99.6	99.6	99.6	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 909

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

34049 STATION | BITBURG AB GERMANY STATION NAME | 59-78 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.9	44.6	45.8	47.9	48.2	49.0	49.4	49.7	49.8	49.8	49.8	49.9	49.9	50.0	50.1
≥ 20000	48.6	50.3	51.8	54.3	54.6	55.4	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.5	56.7
≥ 18000	48.6	50.4	51.8	54.4	54.7	55.5	55.9	56.2	56.4	56.4	56.4	56.5	56.5	56.6	56.7
≥ 16000	48.6	50.4	51.8	54.4	54.7	55.5	56.0	56.3	56.4	56.5	56.5	56.5	56.6	56.6	56.8
≥ 14000	48.7	50.4	51.9	54.4	54.7	55.5	56.0	56.3	56.5	56.5	56.5	56.5	56.6	56.7	56.8
≥ 12000	49.4	51.2	52.7	55.3	55.6	56.4	56.9	57.2	57.4	57.4	57.4	57.5	57.5	57.6	57.7
≥ 10000	51.9	53.9	55.5	58.2	58.5	59.4	59.9	60.2	60.4	60.4	60.4	60.5	60.5	60.6	60.7
≥ 9000	53.5	55.6	57.2	60.1	60.4	61.4	61.9	62.2	62.4	62.4	62.4	62.5	62.5	62.6	62.7
≥ 8000	57.2	59.5	61.3	64.5	64.9	66.0	66.5	66.9	67.1	67.1	67.1	67.2	67.3	67.3	67.4
≥ 7000	58.0	60.3	62.1	65.4	65.8	67.0	67.5	67.8	68.0	68.1	68.1	68.1	68.2	68.3	68.4
≥ 6000	58.5	60.8	62.7	66.0	66.5	67.6	68.1	68.5	68.7	68.7	68.7	68.8	68.9	68.9	69.1
≥ 5000	61.2	63.6	65.6	69.1	69.5	70.8	71.3	71.6	71.8	71.9	71.9	72.0	72.1	72.1	72.3
≥ 4500	64.4	66.9	68.9	72.6	73.1	74.5	75.1	75.4	75.6	75.7	75.7	75.8	75.9	75.9	76.1
≥ 4000	67.1	69.6	71.8	75.7	76.2	77.8	78.4	78.7	78.9	79.0	79.0	79.1	79.1	79.2	79.3
≥ 3500	69.9	72.5	74.7	78.8	79.3	81.0	81.6	81.9	82.1	82.2	82.2	82.3	82.3	82.4	82.6
≥ 3000	73.2	76.0	78.3	82.4	83.0	84.7	85.3	85.6	85.9	85.9	85.9	86.0	86.1	86.2	86.3
≥ 2500	74.7	77.6	80.1	84.4	85.0	86.8	87.4	87.8	88.0	88.1	88.1	88.1	88.2	88.3	88.4
≥ 2000	76.6	79.6	82.2	86.8	87.5	89.3	90.0	90.3	90.6	90.6	90.6	90.7	90.8	90.9	91.0
≥ 1800	77.0	80.0	82.7	87.3	88.0	89.9	90.5	90.9	91.2	91.2	91.2	91.3	91.4	91.5	91.6
≥ 1500	78.1	81.2	84.2	88.9	89.6	91.6	92.3	92.7	92.9	93.0	93.0	93.1	93.2	93.3	93.4
≥ 1200	79.2	82.4	85.5	90.4	91.1	93.1	93.9	94.3	94.5	94.6	94.6	94.7	94.8	94.9	95.0
≥ 1000	79.7	82.9	86.2	91.4	92.1	94.2	95.0	95.4	95.7	95.8	95.8	95.9	95.9	96.0	96.2
≥ 900	79.8	83.1	86.4	91.7	92.4	94.5	95.3	95.7	96.0	96.1	96.1	96.2	96.3	96.4	96.5
≥ 800	80.1	83.4	86.8	92.2	92.9	95.1	96.0	96.5	96.8	96.9	96.9	96.9	97.0	97.1	97.3
≥ 700	80.2	83.5	87.0	92.5	93.3	95.5	96.6	97.0	97.3	97.4	97.4	97.5	97.6	97.7	97.9
≥ 600	80.3	83.6	87.0	92.7	93.4	95.8	96.9	97.4	97.7	97.8	97.8	97.9	98.0	98.1	98.2
≥ 500	80.3	83.6	87.1	92.9	93.7	96.3	97.5	98.1	98.4	98.5	98.5	98.6	98.7	98.8	99.0
≥ 400	80.3	83.6	87.1	93.0	93.8	96.4	97.7	98.4	98.7	98.8	98.9	98.9	99.0	99.1	99.3
≥ 300	80.3	83.7	87.1	93.0	93.9	96.5	97.8	98.5	98.9	99.0	99.0	99.1	99.2	99.3	99.5
≥ 200	80.3	83.7	87.1	93.0	93.9	96.5	97.8	98.5	98.9	99.0	99.1	99.3	99.4	99.5	99.8
≥ 100	80.3	83.7	87.1	93.0	93.9	96.5	97.8	98.5	98.9	99.1	99.1	99.3	99.5	99.6	99.9
≥ 0	80.3	83.7	87.1	93.0	93.9	96.5	97.9	98.5	99.0	99.1	99.1	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7307

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 59-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥	≥	≥	≥5/16	≥	≥0
NO CEILING	47.6	49.7	50.7	53.3	54.6	57.4	58.5	59.1	59.4	59.7	59.7	59.9	60.0	60.1	60.8
≥ 20000	50.5	53.0	54.0	57.0	58.3	61.2	62.3	62.9	63.2	63.5	63.5	63.7	63.8	64.0	64.7
≥ 8000	50.5	53.0	54.0	57.0	58.3	61.2	62.3	62.9	63.2	63.5	63.5	63.7	63.8	64.0	64.7
≥ 6000	50.5	53.0	54.0	57.0	58.3	61.2	62.3	62.9	63.2	63.5	63.5	63.7	63.8	64.0	64.7
≥ 14000	50.6	53.1	54.1	57.1	58.4	61.3	62.5	63.0	63.4	63.6	63.6	63.8	63.9	64.1	64.8
≥ 12000	50.8	53.3	54.3	57.3	58.7	61.6	62.7	63.2	63.6	63.8	63.8	64.0	64.1	64.4	65.0
≥ 10000	52.4	55.1	56.1	59.3	60.7	63.6	64.7	65.3	65.6	65.8	65.8	66.0	66.1	66.4	67.0
≥ 9000	53.1	55.8	57.0	60.2	61.6	64.5	65.6	66.1	66.5	66.7	66.7	66.9	67.0	67.3	67.9
≥ 8000	55.9	58.5	59.9	63.6	64.9	67.9	69.1	69.9	70.3	70.5	70.5	70.7	70.8	71.1	71.7
≥ 7000	56.5	59.2	60.6	64.2	65.6	68.6	69.7	70.6	70.9	71.2	71.2	71.4	71.5	71.7	72.4
≥ 6000	56.6	59.3	60.7	64.4	65.7	68.7	69.8	70.7	71.1	71.3	71.3	71.5	71.6	71.8	72.5
≥ 5000	59.1	62.2	63.8	67.8	69.2	72.2	73.3	74.2	74.5	74.7	74.7	75.0	75.1	75.3	76.0
≥ 4500	61.3	64.5	66.0	70.3	71.6	75.0	76.1	77.0	77.3	77.5	77.5	77.6	78.0	78.2	78.9
≥ 4000	63.9	67.0	68.6	73.2	74.5	78.0	79.1	80.0	80.3	80.6	80.6	80.8	81.0	81.2	81.9
≥ 3500	65.4	68.5	70.1	74.7	76.1	79.6	80.7	81.6	81.9	82.1	82.1	82.3	82.6	82.8	83.5
≥ 3000	66.9	70.1	71.6	76.4	77.8	81.5	82.7	83.6	83.9	84.1	84.1	84.4	84.6	84.8	85.5
≥ 2500	67.6	70.7	72.3	77.1	78.4	82.2	83.5	84.4	84.7	84.9	84.9	85.1	85.4	85.6	86.3
≥ 2000	69.3	72.5	74.2	79.1	80.4	84.5	85.7	86.6	86.5	87.2	87.2	87.4	87.6	88.0	88.7
≥ 1800	69.7	73.0	74.6	79.7	81.0	85.0	86.3	87.2	87.5	87.7	87.7	87.9	88.2	88.6	89.3
≥ 1500	71.2	74.5	76.2	81.2	82.6	86.7	88.0	88.9	89.3	89.5	89.5	89.7	89.9	90.4	91.1
≥ 1200	72.4	75.8	77.4	82.8	84.1	88.4	89.7	90.6	90.9	91.2	91.2	91.4	91.6	92.1	92.7
≥ 1000	73.1	76.8	78.5	83.9	85.3	89.6	91.2	92.1	92.4	92.6	92.6	92.8	93.1	93.5	94.2
≥ 900	73.1	76.9	78.7	84.0	85.4	89.9	91.5	92.5	92.8	93.1	93.1	93.3	93.5	94.0	94.6
≥ 800	73.6	77.5	79.3	84.8	86.1	90.7	92.3	93.3	93.6	93.9	93.9	94.1	94.3	94.7	95.4
≥ 700	74.3	78.2	80.0	85.6	86.9	91.7	93.3	94.3	94.6	94.9	94.9	95.1	95.3	95.8	96.4
≥ 600	74.7	79.0	80.8	86.5	87.8	92.6	94.2	95.2	95.5	95.8	95.8	96.0	96.2	96.6	97.3
≥ 500	74.9	79.3	81.1	86.8	88.2	93.2	94.7	95.9	96.2	96.4	96.4	96.6	96.9	97.3	98.0
≥ 400	75.0	79.4	81.2	87.0	88.4	93.4	95.0	96.2	96.5	96.8	96.8	97.1	97.3	97.8	98.4
≥ 300	75.0	79.4	81.2	87.0	88.5	93.6	95.2	96.4	96.8	97.0	97.0	97.4	97.7	98.1	98.8
≥ 200	75.1	79.6	81.3	87.2	88.6	93.7	95.3	96.6	97.0	97.2	97.2	97.7	97.9	98.4	99.2
≥ 100	75.1	79.6	81.3	87.2	88.6	93.7	95.3	96.6	97.1	97.3	97.3	97.8	98.1	98.8	99.8
0	75.1	79.6	81.3	87.2	88.6	93.7	95.3	96.8	97.3	97.5	97.5	98.0	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 395

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

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-78 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	36.8	40.0	41.5	44.6	45.1	46.0	49.4	50.4	51.2	51.5	51.7	52.0	52.4	52.7	53.9
≥ 20000	38.5	42.1	43.7	47.4	47.9	50.8	52.2	53.2	54.0	54.3	54.5	54.7	55.2	55.5	56.9
≥ 18000	38.5	42.1	43.7	47.4	47.9	50.8	52.2	53.2	54.0	54.3	54.5	54.7	55.2	55.5	56.9
≥ 16000	38.5	42.1	43.7	47.4	47.9	50.8	52.2	53.2	54.0	54.3	54.5	54.7	55.2	55.5	56.9
≥ 14000	38.7	42.2	43.8	47.5	48.0	50.9	52.3	53.3	54.1	54.4	54.6	54.9	55.3	55.6	57.0
≥ 12000	38.9	42.5	44.0	47.7	48.3	51.2	52.5	53.5	54.3	54.6	54.9	55.1	55.5	55.9	57.2
≥ 10000	39.6	43.1	44.8	48.6	49.2	52.1	53.5	54.5	55.3	55.6	55.9	56.1	56.5	56.9	58.2
≥ 9000	39.9	43.5	45.5	49.3	49.8	52.7	54.2	55.2	56.0	56.3	56.5	56.8	57.2	57.5	58.9
≥ 8000	41.9	45.8	48.0	52.0	52.5	55.5	57.0	58.3	59.1	59.4	59.7	59.9	60.4	60.8	62.1
≥ 7000	42.5	46.5	48.7	53.0	53.5	56.5	58.0	59.3	60.1	60.4	60.7	60.9	61.5	61.8	63.1
≥ 6000	42.8	46.8	49.1	53.3	53.9	56.9	58.3	59.7	60.4	60.8	61.0	61.2	61.8	62.1	63.5
≥ 5000	44.8	48.6	51.3	56.2	56.8	59.9	61.3	62.7	63.5	63.8	64.1	64.4	64.9	65.3	66.6
≥ 4500	45.9	49.9	52.6	57.7	58.3	61.5	62.9	64.2	65.0	65.4	65.7	65.9	66.5	66.8	68.2
≥ 4000	48.6	52.8	55.6	60.9	61.6	64.8	66.3	67.6	68.4	68.7	69.1	69.3	69.8	70.2	71.5
≥ 3500	50.4	54.6	57.4	63.1	63.9	67.3	68.8	70.2	70.9	71.3	71.7	72.0	72.5	72.8	74.2
≥ 3000	52.0	56.2	59.2	65.0	65.8	69.2	70.8	72.2	73.0	73.3	73.7	74.0	74.5	74.9	76.2
≥ 2500	53.6	57.9	60.9	66.7	67.5	70.9	72.8	74.2	75.0	75.3	75.8	76.0	76.5	76.9	78.2
≥ 2000	55.2	59.4	62.5	68.4	69.2	72.6	74.7	76.1	76.9	77.2	77.7	78.0	78.5	79.0	80.3
≥ 1800	56.2	60.4	63.5	69.7	70.6	74.1	76.3	77.7	78.5	78.9	79.3	79.7	80.2	80.7	82.0
≥ 1500	57.3	61.8	64.9	71.4	72.3	75.8	78.2	79.7	80.5	80.9	81.3	81.7	82.2	82.7	84.0
≥ 1200	59.3	63.8	67.2	74.1	75.0	78.4	81.1	82.7	83.6	83.9	84.4	84.7	85.3	85.7	87.0
≥ 1000	60.1	64.7	68.3	75.4	76.3	79.9	82.8	84.4	85.4	85.7	86.1	86.5	87.0	87.5	88.8
≥ 900	60.2	64.8	68.5	75.6	76.5	80.2	83.4	84.9	85.9	86.3	86.7	87.0	87.6	88.0	89.4
≥ 800	61.3	66.0	69.9	77.2	78.1	82.0	85.1	86.7	87.7	88.0	88.5	88.8	89.4	89.8	91.2
≥ 700	62.0	66.8	70.9	78.3	79.2	83.4	86.5	88.3	89.4	89.7	90.2	90.5	91.1	91.5	92.8
≥ 600	62.6	67.6	71.7	79.2	80.1	84.6	87.7	89.5	90.6	90.9	91.4	91.7	92.3	92.7	94.1
≥ 500	62.8	67.9	72.1	79.7	80.6	85.0	88.3	90.1	91.2	91.5	92.0	92.4	93.0	93.4	94.9
≥ 400	62.9	68.0	72.2	80.1	81.0	85.6	88.8	90.9	92.1	92.4	92.8	93.3	93.9	94.3	95.8
≥ 300	62.9	68.0	72.2	80.4	81.3	85.9	89.2	91.3	92.5	93.0	93.4	93.9	94.4	94.9	96.3
≥ 200	63.0	68.2	72.3	80.6	81.5	86.1	89.4	91.5	92.7	93.2	93.7	94.4	95.0	95.6	97.2
≥ 100	63.0	68.2	72.3	80.6	81.5	86.1	89.4	91.5	92.7	93.2	93.7	94.6	95.3	96.4	99.1
≥ 0	63.0	68.2	72.3	80.6	81.5	86.1	89.4	91.5	93.0	93.6	94.2	95.1	95.8	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 895

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

34049 BITBURG AB GERMANY 69-78 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅛	≥ 0	≥ 1	≥ 2	≥ 3	≥ 0
NO CEILING	20.4	22.7	24.7	31.1	32.7	35.1	36.6	37.7	39.5	39.6	39.8	40.2	40.7	41.4	43.0	
≥ 25000	21.8	24.3	26.4	33.0	34.6	37.7	39.3	40.5	42.3	42.5	42.7	43.2	43.7	44.4	46.9	
≥ 18000	21.8	24.3	26.4	33.0	34.6	37.7	39.3	40.5	42.3	42.5	42.7	43.2	43.7	44.4	46.9	
≥ 5000	21.8	24.3	26.4	33.0	34.6	37.7	39.3	40.5	42.3	42.5	42.7	43.2	43.7	44.4	46.9	
≥ 14000	21.8	24.3	26.4	33.1	34.7	37.8	39.4	40.6	42.4	42.6	42.8	43.3	43.8	44.5	47.0	
≥ 12000	21.9	24.4	26.5	33.2	34.8	37.9	39.5	40.7	42.5	42.7	43.0	43.4	44.0	44.6	47.1	
≥ 10000	23.0	25.6	28.0	34.8	36.4	39.7	41.3	42.5	44.3	44.5	44.7	45.2	46.0	46.6	49.1	
≥ 9000	23.6	26.5	28.9	36.0	37.7	41.2	42.7	44.0	45.7	46.0	46.2	46.6	47.4	48.1	50.6	
≥ 8000	24.4	27.4	30.3	38.0	39.8	43.5	45.4	46.6	48.5	48.8	49.0	49.6	50.3	51.1	53.7	
≥ 7000	25.3	28.4	31.3	39.4	41.2	44.9	46.8	48.1	50.0	50.2	50.4	51.0	51.8	52.6	55.1	
≥ 6000	25.6	28.7	31.7	39.7	41.6	45.4	47.3	48.7	50.6	50.8	51.0	51.6	52.3	53.1	55.7	
≥ 5000	26.4	29.9	33.2	41.8	43.8	48.0	50.0	51.3	53.2	53.5	53.7	54.3	55.1	55.9	58.6	
≥ 4500	27.4	31.2	34.8	44.2	46.2	50.5	52.6	53.9	56.0	56.3	56.5	57.0	57.9	58.7	61.4	
≥ 4000	29.1	33.4	37.2	46.9	49.0	53.9	56.0	57.4	59.6	59.8	60.1	60.6	61.5	62.4	65.2	
≥ 3500	29.9	34.2	38.6	48.2	50.3	55.5	57.9	59.4	61.6	62.0	62.3	62.9	63.8	64.7	67.4	
≥ 3000	31.5	35.9	40.3	50.0	52.2	57.4	59.8	61.4	63.9	64.3	64.7	65.2	66.1	67.0	69.8	
≥ 2500	33.3	37.8	42.2	52.0	54.3	59.5	62.1	63.8	66.2	66.7	67.0	67.6	68.5	69.4	72.1	
≥ 2000	34.8	39.4	43.7	54.0	56.4	61.6	64.8	66.7	69.2	69.7	70.1	70.7	71.6	72.5	75.3	
≥ 1800	35.2	39.8	44.2	54.5	56.8	62.3	65.7	67.7	70.2	70.7	71.1	71.7	72.6	73.5	76.3	
≥ 1500	37.8	42.4	47.1	58.1	60.5	66.8	70.1	72.1	74.7	75.2	75.6	76.2	77.1	78.0	80.8	
≥ 1200	39.4	44.1	48.9	60.4	62.9	69.7	73.5	75.6	78.4	78.9	79.3	79.9	80.8	81.7	84.5	
≥ 1000	40.3	45.0	50.1	62.1	64.7	71.5	75.4	77.5	80.4	80.9	81.3	81.9	82.8	83.7	86.5	
≥ 900	40.7	45.5	50.9	63.0	65.5	72.4	76.4	78.5	81.5	82.0	82.4	83.0	83.9	84.8	87.6	
≥ 800	41.4	46.2	51.7	64.1	66.7	73.7	77.9	80.1	83.1	83.6	84.0	84.6	85.5	86.4	89.1	
≥ 700	41.5	46.6	52.2	64.8	67.4	74.7	79.1	81.4	84.6	85.0	85.5	86.1	87.0	87.9	90.7	
≥ 600	41.6	46.9	52.7	65.5	68.2	75.6	80.1	82.4	85.6	86.0	86.5	87.1	88.0	88.9	91.7	
≥ 500	41.6	47.0	52.9	65.9	68.6	76.0	80.5	83.1	86.4	86.9	87.4	88.0	88.9	89.9	92.7	
≥ 400	41.8	47.2	53.2	66.2	68.9	76.4	81.2	83.8	87.1	87.7	88.1	89.0	89.9	90.9	93.7	
≥ 300	41.8	47.2	53.2	66.3	69.0	76.5	81.3	84.3	87.7	88.4	88.9	89.8	90.8	91.9	95.2	
≥ 200	41.8	47.2	53.2	66.3	69.0	76.5	81.3	84.5	87.8	88.6	89.1	90.3	91.5	93.2	98.0	
≥ 100	41.8	47.2	53.2	66.3	69.0	76.5	81.3	84.5	87.8	88.6	89.1	90.3	91.5	93.2	99.1	
≥ 0	41.8	47.2	53.4	66.4	69.1	76.6	81.4	84.6	87.9	88.7	89.3	90.4	91.8	93.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 894

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

34048 (STATION) BITBURG AB GERMANY (STATION NAME) 69-75 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100 (HOUR)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING		24.2	26.1	28.7	34.6	35.2	37.1	37.5	38.6	38.8	38.8	38.8	39.1	39.2	39.5	39.7
≥ 20000		26.1	28.3	31.5	38.1	38.7	41.0	41.6	42.7	43.0	43.0	43.1	43.3	43.4	43.9	44.6
≥ 18000		26.2	28.5	31.6	38.3	39.0	41.2	41.9	43.0	43.2	43.2	43.3	43.5	43.6	44.1	44.9
≥ 9000		26.2	28.5	31.6	38.3	39.0	41.2	41.9	43.0	43.2	43.2	43.3	43.5	43.6	44.1	44.9
≥ 4000		26.2	28.5	31.6	38.3	39.0	41.2	41.9	43.0	43.2	43.2	43.3	43.5	43.6	44.1	44.9
≥ 2000		26.8	29.0	32.1	39.0	39.6	42.0	42.7	43.9	44.1	44.1	44.2	44.4	44.5	45.0	45.8
≥ 10000		27.7	30.4	33.7	40.6	41.3	43.8	44.5	45.6	45.9	45.9	46.0	4[illegible]	46.3	46.8	47.5
≥ 9000		27.8	30.6	33.9	41.0	41.6	44.1	44.9	46.0	46.2	46.2	46.3	46.5	46.7	47.1	47.9
≥ 8000		30.2	33.1	36.9	44.4	45.1	47.5	48.3	49.4	49.8	49.8	49.9	50.1	50.2	50.7	51.5
≥ 7000		30.4	33.6	37.5	45.1	45.8	48.2	49.0	50.1	50.4	50.4	50.6	50.8	51.0	51.5	52.2
≥ 6000		30.8	34.0	37.9	45.9	46.5	49.0	49.8	50.9	51.2	51.2	51.3	51.6	51.8	52.2	53.0
≥ 5000		31.4	34.7	38.6	46.7	47.3	49.8	50.7	51.8	52.1	52.1	52.2	52.5	52.7	53.1	53.9
≥ 4500		32.1	35.6	40.1	48.7	49.3	52.3	53.2	54.5	54.9	54.9	55.0	55.2	55.5	55.9	56.8
≥ 4000		33.8	37.5	42.0	51.0	51.9	55.1	56.3	57.7	58.1	58.1	58.3	58.5	58.7	59.2	60.0
≥ 3500		35.3	39.2	44.1	53.2	54.1	57.7	58.9	60.4	60.8	60.8	60.9	61.2	61.4	61.8	62.7
≥ 3000		38.8	43.0	48.0	57.7	58.6	62.3	63.6	65.1	65.6	65.6	65.7	66.0	66.2	66.6	67.5
≥ 2500		40.7	45.1	50.3	60.0	60.9	64.6	66.1	67.5	68.1	68.1	68.2	68.4	68.6	69.1	70.0
≥ 2000		42.7	47.1	2.6	62.7	63.6	67.5	69.1	70.5	71.2	71.2	71.3	71.5	71.8	72.2	73.1
≥ 1800		43.6	48.0	53.5	63.7	64.6	68.6	70.2	71.8	72.4	72.4	72.5	72.8	73.0	73.4	74.3
≥ 1500		47.3	51.8	57.7	68.3	69.2	73.4	75.1	76.8	77.6	77.6	77.7	77.9	78.1	78.6	79.5
≥ 1200		49.3	53.9	60.6	71.7	72.5	77.0	78.7	80.6	81.4	81.4	81.5	81.7	81.9	82.4	83.3
≥ 1000		51.0	55.6	62.4	74.2	75.3	80.0	81.9	83.8	84.6	84.6	84.7	84.9	85.3	85.7	86.6
≥ 900		51.8	56.4	63.3	75.2	76.3	81.0	82.9	84.9	85.8	85.8	85.9	86.2	86.5	86.9	87.8
≥ 800		52.5	57.1	64.5	76.3	77.9	82.8	84.9	86.9	87.8	87.8	87.9	88.2	88.5	89.0	89.8
≥ 700		52.5	57.1	64.6	77.5	78.6	83.5	85.7	87.7	88.6	88.6	88.7	89.0	89.3	89.7	90.6
≥ 600		52.7	57.5	65.0	77.9	79.2	84.6	86.9	89.1	90.0	90.0	90.1	90.3	90.6	91.1	92.0
≥ 500		52.8	57.6	65.2	78.7	80.0	86.3	89.1	91.5	92.6	92.6	92.7	93.0	93.4	93.9	94.8
≥ 400		52.8	57.6	65.2	78.8	80.2	86.5	89.4	92.2	93.3	93.5	93.6	94.1	94.5	95.0	95.9
≥ 300		52.8	57.6	65.2	78.8	80.2	86.5	89.7	92.9	94.2	94.4	94.5	95.2	95.9	96.3	97.2
≥ 200		52.8	57.6	65.2	78.9	80.4	86.6	89.8	93.1	94.8	95.0	95.3	96.0	96.8	97.4	98.8
≥ 100		52.8	57.6	65.2	79.0	80.5	86.7	90.0	93.2	94.9	95.1	95.4	96.1	97.0	97.7	99.4
0		52.8	57.6	65.2	79.0	80.5	86.7	90.0	93.2	95.0	95.2	95.5	96.2	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 896

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

34049 BITBURG AB GERMANY 69-76 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	≥ 7	6	5	4	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0
NO CEILING	32.4	33.3	34.2	36.0	36.3	36.6	36.7	36.8	36.8	36.8	36.9	36.8	36.8	36.8	36.8
≥ 22000	37.5	38.6	39.7	41.8	42.1	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	37.5	38.7	39.8	41.9	42.3	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	37.5	38.7	39.8	41.9	42.3	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 17000	37.5	38.7	39.8	41.9	42.3	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 16000	38.1	39.5	40.7	42.8	43.1	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 15000	40.1	41.5	42.8	44.9	45.3	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 14000	41.1	42.5	43.8	45.9	46.3	46.7	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 13000	44.5	46.0	47.4	49.7	50.3	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 12000	46.2	47.7	49.1	51.4	52.0	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 11000	46.5	48.2	49.5	52.0	52.5	53.0	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	48.0	49.7	51.3	53.7	54.3	54.7	55.0	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 9000	50.5	52.2	53.7	56.3	56.9	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 8000	54.6	56.4	58.1	61.2	61.9	62.3	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	59.0	61.1	62.9	66.2	66.9	67.6	68.0	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	66.6	68.7	70.5	73.9	74.6	75.3	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	69.9	72.0	73.8	77.4	78.3	78.9	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	73.9	76.1	78.0	82.3	83.2	84.1	84.5	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 3500	75.0	77.3	79.3	83.5	84.4	85.3	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 3000	77.7	80.3	82.5	87.3	88.3	89.2	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500	79.8	82.5	84.9	90.3	91.3	92.2	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	80.6	83.5	86.2	92.0	93.1	94.2	94.6	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	80.8	83.7	86.4	92.3	93.4	94.5	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	81.3	84.4	87.3	93.4	94.5	95.8	96.2	96.4	96.8	96.8	96.8	97.0	97.0	97.0	97.0
≥ 1200	81.6	84.8	87.7	94.2	95.3	96.7	97.3	97.5	97.9	97.9	97.9	98.1	98.1	98.1	98.1
≥ 1000	81.6	84.9	87.8	94.8	96.0	97.4	98.2	98.4	98.8	98.8	98.8	99.0	99.0	99.0	99.0
≥ 900	81.6	84.9	87.8	94.9	96.1	97.7	98.7	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 800	81.6	84.9	87.8	94.9	96.1	97.9	98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7
≥ 700	81.6	84.9	87.8	94.9	96.1	98.0	99.1	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 600	81.6	84.9	87.8	94.9	96.1	98.0	99.1	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 500	81.6	84.9	87.8	94.9	96.1	98.0	99.1	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 400	81.6	84.9	87.8	94.9	96.1	98.0	99.1	99.3	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

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

3404~ ITBURG AB GERMANY 9-7a SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	6	5	4	3	2½	2	1¾	1½	1¼	1	¾	½	¼	0
NO CEILING	36.1	36.3	36.7	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	43.0	43.3	43.6	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 8000	43.0	43.3	43.6	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 5000	43.1	43.4	43.7	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 4000	43.5	43.7	44.0	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 3000	44.7	45.0	45.4	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 2500	47.6	47.9	48.3	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 2000	48.7	49.1	49.4	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 1800	53.5	54.1	54.6	55.5	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 1500	54.7	55.3	55.9	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 1200	55.6	56.2	56.7	57.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1000	59.3	59.9	60.4	61.4	61.6	61.8	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 900	63.4	64.1	64.8	65.8	66.0	66.1	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 800	69.7	70.3	71.1	72.4	72.6	72.7	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 700	75.3	76.1	76.9	78.1	78.4	78.5	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 600	80.7	81.9	83.1	84.8	85.1	85.2	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 500	83.3	84.6	85.7	88.0	88.2	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 400	85.6	87.1	88.4	90.9	91.1	91.2	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300	86.7	88.2	89.6	92.1	92.3	92.4	92.5	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200	88.3	89.7	91.4	94.3	94.6	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 100	90.2	91.6	93.8	96.7	97.0	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0	90.5	92.0	94.1	97.1	97.4	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4

≥ 900	90.6	92.1	94.2	97.2	97.7	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	90.7	92.3	94.4	97.4	97.9	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	90.7	92.4	94.5	97.7	98.1	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	90.7	92.4	94.5	97.7	98.1	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	90.9	92.5	94.6	97.8	98.2	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	90.9	92.5	94.6	97.8	98.2	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	90.9	92.5	94.6	97.8	98.2	99.1	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 59-70 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥	20	15	12	10	9	8	7	6	5	4½	4	3½	3	2½
NO CEILING		43.2	43.9	44.4	45.2	45.5	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 22000		51.7	52.7	53.2	54.2	54.6	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000		51.7	52.7	53.2	54.2	54.6	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 17000		51.7	52.7	53.2	54.2	54.6	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000		51.7	52.7	53.2	54.2	54.6	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 15000		53.0	54.1	54.9	55.9	56.3	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000		55.9	57.1	57.9	58.9	59.3	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 13000		57.5	58.8	59.6	60.6	60.9	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000		61.2	62.6	64.0	65.1	65.4	65.8	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 11000		62.5	64.0	65.3	66.4	66.7	67.2	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 10000		63.5	65.0	66.3	67.4	67.7	68.2	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000		66.1	67.6	69.1	70.3	70.6	71.2	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 8000		69.4	71.1	72.7	73.9	74.4	75.2	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000		74.3	76.1	77.8	79.1	79.7	80.6	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 6000		77.1	79.1	81.0	82.6	83.1	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5000		80.1	82.3	84.3	86.2	86.8	87.7	87.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500		81.9	84.0	86.0	88.2	88.8	89.8	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4000		82.9	86.0	88.1	90.6	91.3	92.3	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3500		84.3	86.4	88.4	91.0	91.6	92.7	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000		86.3	88.4	90.6	93.4	94.1	95.3	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500		87.8	90.2	92.6	95.4	96.1	97.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000		88.2	90.5	93.0	95.8	96.4	97.9	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800		88.2	90.5	93.0	96.2	96.9	98.3	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1600		88.4	90.7	93.2	96.5	97.2	98.8	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1400		88.4	90.7	93.2	96.5	97.2	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200		88.4	90.7	93.2	96.5	97.2	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		88.4	90.7	93.2	96.5	97.2	98.8	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 700		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 600		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200		88.4	90.7	93.2	96.5	97.2	98.8	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

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

34040 BITBURG AB GERMANY 69-73 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FEET) VERSUS VISIBILITY (STATUTE MILES)

CEILING (FEET)	≥7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	0
NO CEILING	51.5	52.6	53.6	55.3	55.9	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 25000	57.5	59.1	60.3	62.4	63.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 22000	57.5	59.1	60.3	62.4	63.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	57.5	59.1	60.3	62.4	63.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 18000	57.5	59.1	60.3	62.4	63.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 17000	57.5	59.1	60.5	62.7	63.2	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 16000	59.5	61.1	62.8	65.0	65.6	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 15000	60.5	62.1	63.8	66.0	66.6	68.0	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 14000	63.2	64.8	66.8	69.2	69.8	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 13000	63.9	65.4	67.4	70.0	70.6	72.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 12000	64.2	65.9	67.9	70.5	71.0	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 11000	66.7	68.3	70.3	73.2	73.8	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 10000	70.3	72.0	74.2	77.4	77.9	79.5	79.7	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0
≥ 9000	73.6	75.3	77.5	81.0	81.6	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7
≥ 8000	75.1	77.0	79.3	82.8	83.5	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.6
≥ 7000	77.0	79.0	81.3	84.8	85.5	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6
≥ 6500	78.1	80.2	82.4	86.0	86.6	88.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1
≥ 6000	80.0	82.1	84.3	88.2	88.9	91.0	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6
≥ 5500	80.3	82.3	84.5	88.4	89.1	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9
≥ 5000	81.2	83.3	85.5	89.4	90.3	92.4	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1
≥ 4500	82.4	84.5	86.8	90.9	91.9	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
≥ 4000	83.3	85.4	87.7	91.8	92.8	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.5
≥ 3500	83.4	85.5	87.8	91.9	92.9	95.1	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8
≥ 3000	83.7	86.1	88.5	92.5	93.5	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5
≥ 2500	84.3	86.6	89.4	93.4	94.4	96.8	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥ 2000	84.7	87.1	89.9	93.9	94.9	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥ 1800	84.9	87.4	90.2	94.2	95.2	97.5	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 1500	85.1	87.5	90.3	94.4	95.4	97.8	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 1000	85.2	87.6	90.4	94.5	95.5	97.9	98.6	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3
≥ 900	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.2	99.3	99.3	99.4	99.6	99.6
≥ 800	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.3	99.4	99.4	99.6	99.7	100.0
≥ 0	85.2	87.6	90.4	94.5	95.5	98.0	98.7	99.2	99.2	99.3	99.4	99.4	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 897

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

34045 BITBURG AB GERMANY 69-73 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING (FT)	VISIBILITY (STATUTE MILES)															
	2	2½	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	34.5	38.1	39.3	42.2	42.8	44.3	44.9	45.4	45.8	45.9	46.0	46.1	46.3	46.4	46.9	
	40.8	42.7	44.0	47.3	48.0	49.7	50.3	50.9	51.2	51.3	51.4	51.6	51.7	51.9	52.6	
	40.9	42.7	44.1	47.3	48.0	49.7	50.4	50.9	51.3	51.4	51.5	51.6	51.8	52.0	52.6	
	40.9	42.7	44.1	47.3	48.0	49.7	50.4	50.9	51.3	51.4	51.5	51.6	51.8	52.0	52.6	
	40.9	42.8	44.2	47.4	48.1	49.8	50.5	51.0	51.4	51.5	51.6	51.7	51.8	52..	52.7	
	41.5	43.4	44.8	48.1	48.8	50.5	51.2	51.7	52.1	52.2	52.3	52.4	52.5	52.6	53.4	
	43.2	45.2	46.8	50.2	50.8	52.6	53.3	53.8	54.2	54.3	54.4	54.5	54.7	54.9	55.6	
	44.0	46.1	47.7	51.2	51.8	53.6	54.3	54.8	55.2	55.3	55.4	55.5	55.7	55.9	56.6	
	46.9	49.1	51.0	54.7	55.4	57.3	58.0	58.7	59.1	59.2	59.2	59.4	59.6	59.8	60.5	
	47.7	50.0	52.0	55.8	56.6	58.4	59.1	59.8	60.2	60.3	60.4	60.5	60.7	61.0	61.6	
	48.2	50.5	52.5	56.4	57.1	59.0	59.7	60.4	60.8	60.9	61.0	61.1	61.4	61.6	62.2	
	50.2	52.7	54.8	58.9	59.7	61.6	62.4	63.1	63.5	63.6	63.7	63.8	64.1	64.3	65.0	
	52.6	55.1	57.4	61.8	62.6	64.7	65.5	66.2	66.7	66.8	66.8	67.0	67.2	67.5	68.2	
	56.0	58.6	61.0	65.7	66.6	68.8	69.7	70.4	70.9	71.0	71.1	71.2	71.5	71.7	72.4	
	58.4	61.3	63.8	68.6	69.6	71.9	72.8	73.6	74.1	74.2	74.3	74.5	74.7	75.0	75.7	
	61.7	64.6	67.3	72.4	73.3	75.7	76.6	77.4	78.0	78.1	78.2	78.4	78.6	78.9	79.6	
	63.6	66.6	69.2	74.4	75.4	77.9	78.9	79.7	80.3	80.4	80.5	80.6	80.9	81.1	81.8	
	65.7	68.7	71.5	77.0	78.0	80.6	81.7	82.6	83.2	83.3	83.4	83.6	83.8	84.1	84.8	
	66.4	69.4	72.2	77.8	78.8	81.5	82.6	83.5	84.1	84.2	84.4	84.5	84.8	85.1	85.8	
	68.4	71.5	74.5	80.4	81.5	84.3	85.5	86.4	87.1	87.2	87.3	87.5	87.7	88.0	88.7	
	70.1	73.3	76.5	82.8	83.9	86.8	88.1	89.1	89.7	89.9	90.0	90.1	90.4	90.7	91.4	
	70.9	74.2	77.5	84.0	85.2	88.3	89.7	90.7	91.3	91.4	91.6	91.7	92.0	92.3	93.0	
	71.1	74.4	77.9	84.4	85.6	88.7	90.2	91.2	91.9	92.0	92.1	92.3	92.6	92.9	93.6	
	71.6	75.1	78.6	85.4	86.5	89.8	91.3	92.3	93.0	93.2	93.3	93.5	93.7	94.0	94.7	
	71.9	75.4	79.1	86.0	87.2	90.6	92.2	93.2	93.9	94.1	94.2	94.4	94.7	94.9	95.7	
	72.2	75.8	79.5	86.5	87.7	91.2	92.9	93.9	94.7	94.8	94.9	95.1	95.4	95.7	96.4	
	72.2	75.9	79.7	86.8	88.0	91.7	93.5	94.7	95.5	95.6	95.7	96.0	96.2	96.5	97.3	
	72.3	76.0	79.7	87.0	88.2	91.9	93.8	95.1	95.9	96.1	96.2	96.5	96.7	97.1	97.8	
	72.3	76.0	79.8	87.1	88.3	92.0	94.0	95.4	96.2	96.5	96.6	96.9	97.3	97.6	98.4	
	72.4	76.1	79.8	87.1	88.3	92.1	94.1	95.5	96.4	96.6	96.8	97.2	97.6	98.0	99.1	
	72.4	76.1	79.8	87.1	88.3	92.1	94.1	95.5	96.4	96.7	96.9	97.3	97.7	98.2	99.7	
	72.4	76.1	79.8	87.1	88.3	92.1	94.1	95.5	96.5	96.8	97.0	97.4	97.8	98.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 7167

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

BASE BITBURG AB GERMANY — 9-72 — OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

		29.9	29.5	31.7	34.8	35.8	39.4	39.7	41.2	42.2	42.5	42.9	43.0	43.5	43.8	44.6
		30.1	31.4	33.5	36.6	37.8	41.5	41.8	43.3	44.4	44.7	45.1	45.2	45.8	46.1	46.9
		30.1	31.4	33.5	36.6	37.8	41.5	41.8	43.3	44.4	44.7	45.1	45.2	45.8	46.1	46.9
		30.1	31.4	33.5	36.6	37.8	41.5	41.8	43.3	44.4	44.7	45.1	45.2	45.8	46.1	46.9
		30.2	31.5	33.7	36.9	37.9	41.6	41.9	43.4	44.5	44.8	45.1	45.3	45.9	46.2	47.0
		30.4	31.7	33.9	37.1	38.1	41.8	42.1	43.6	44.8	45.1	45.5	45.7	46.2	46.5	47.3
		31.6	33.0	35.2	38.4	39.5	43.2	43.5	45.0	46.2	46.3	46.9	47.1	47.6	47.9	48.7
		31.7	33.4	35.6	38.9	39.9	43.6	43.9	45.5	46.6	47.0	47.2	47.5	48.1	48.4	49.1
		33.5	35.2	37.0	41.0	42.1	45.0	46.3	47.8	49.0	49.4	49.7	49.9	50.4	50.8	51.5
		34.2	35.8	38.3	41.8	42.9	46.0	47.1	48.6	49.8	50.1	50.4	50.6	51.2	51.5	52.3
		34.3	35.9	38.4	41.9	43.0	46.0	47.2	48.7	49.9	50.2	50.5	50.8	51.3	51.6	52.4
		35.0	36.6	39.2	42.9	43.9	47.0	48.2	49.7	50.9	51.2	51.5	51.7	52.3	52.6	53.4
		36.9	38.5	41.1	44.6	45.9	48.8	50.1	51.7	52.9	53.2	53.6	53.8	54.3	54.7	55.4
		39.3	39.9	42.5	46.2	47.4	50.9	52.2	53.6	55.0	55.3	55.6	55.8	56.4	56.7	57.5
		40.6	42.2	44.8	48.5	49.7	53.1	54.4	56.1	57.3	57.6	57.9	58.1	58.7	59.0	59.7
		43.1	44.8	47.5	51.3	52.5	56.0	57.3	59.0	60.2	60.5	60.8	61.0	61.6	61.9	62.7
		46.2	47.9	51.3	56.1	57.3	61.8	63.1	63.9	65.2	65.5	65.8	66.0	66.6	66.9	67.6
		48.2	51.2	54.8	60.0	61.2	65.3	66.7	68.7	70.0	70.3	70.7	70.9	71.4	71.6	72.5
		50.0	51.9	55.6	60.9	62.2	66.2	67.6	69.7	71.0	71.3	71.6	71.9	72.4	72.7	73.5
		51.5	53.7	57.5	63.1	64.5	68.5	70.1	72.2	73.5	73.8	74.1	74.4	75.0	75.3	76.1
		54.8	57.1	61.0	67.1	68.5	72.7	74.4	76.5	77.9	78.2	78.6	78.9	79.5	79.9	80.6
		57.3	59.6	63.7	70.6	72.1	76.6	78.4	80.7	82.1	82.5	82.8	83.1	83.8	84.1	84.8
		58.0	60.7	64.8	71.6	73.3	77.9	79.8	82.1	83.5	83.9	84.2	84.5	85.2	85.5	86.3
		58.4	61.1	65.6	72.9	74.6	79.2	81.2	83.5	85.0	85.2	85.6	85.9	86.6	86.9	87.7
		58.8	61.5	65.9	73.3	75.0	79.6	81.7	84.4	85.8	86.1	86.5	86.8	87.4	87.8	88.5
		59.1	62.4	66.7	74.0	75.8	80.5	82.5	85.3	86.7	87.0	87.3	87.7	88.4	88.7	89.5
		59.5	62.6	67.3	74.8	76.5	81.8	84.0	86.9	88.3	88.6	89.0	89.3	90.0	90.4	91.1
		59.5	62.6	67.3	74.8	76.5	82.1	84.7	87.8	89.3	89.6	89.9	90.3	91.0	91.3	92.1
		59.5	62.6	67.3	74.8	76.5	82.8	85.6	88.9	90.6	91.0	91.3	91.9	92.7	93.2	93.9
		59.5	62.6	67.3	74.8	76.5	82.8	85.9	89.2	91.3	91.9	92.2	93.1	94.4	95.1	97.1
		59.5	62.6	67.3	74.8	76.5	82.8	85.9	89.3	91.5	92.1	92.4	93.3	94.7	95.6	99.7
		59.5	62.6	67.3	74.8	76.5	82.8	85.9	89.3	91.5	92.1	92.4	93.3	94.7	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GERMANY 59-76 GCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ ¼	≥ ½	≥ ¾	≥ 1	≥ 1¼	≥ 1½	≥ 1¾	≥ 2	≥ 2¼	≥ 2½	≥ 2¾	≥ 3	≥ 4	≥ 5	≥ 6
NO CEILING	22.4	23.6	25.3	26.6	29.0	32.1	33.8	34.8	35.5	36.3	36.6	37.2	38.7	39.3	40.8	
≥ 22000	23.6	24.8	26.7	30.1	30.5	33.6	35.3	36.3	37.0	37.8	38.1	38.9	40.5	41.2	42.7	
≥ 15000	23.7	24.9	26.8	30.2	30.6	33.7	35.5	36.4	37.1	37.9	38.3	39.0	40.6	41.3	42.8	
≥ 12000	23.7	24.9	26.8	30.2	30.6	33.7	35.5	36.4	37.1	37.9	38.3	39.0	40.6	41.3	42.8	
≥ 10000	23.7	24.9	26.8	30.2	30.6	33.7	35.5	36.4	37.1	37.9	38.3	39.0	40.6	41.3	42.8	
≥ 9000	23.7	24.9	26.8	30.2	30.6	33.7	35.5	36.4	37.1	37.9	38.3	39.0	40.6	41.3	42.8	
≥ 8000	24.4	25.5	27.5	30.8	31.[illegible]	[illegible]7	36.4	37.4	38.3	39.1	39.4	40.2	41.8	42.5	44.0	
≥ 7000	24.5	25.6	27.6	30.9	31.[illegible]	[illegible].9	36.5	37.5	38.4	39.2	39.5	40.3	41.9	42.6	44.1	
≥ 6000	25.6	26.8	29.0	32.3	33.[illegible]	[illegible].2	37.9	38.9	39.8	40.6	40.9	41.7	43.3	44.0	45.5	
≥ 5000	25.9	27.0	29.2	32.5	3[illegible]	[illegible].4	38.1	39.1	40.0	40.8	41.2	41.9	43.5	44.2	45.7	
≥ 4500	25.9	27.0	29.2	32.5	3[illegible]	[illegible].4	38.1	39.1	40.0	40.8	41.2	41.9	43.5	44.2	45.7	
≥ 4000	27.[illegible]	28.3	30.5	34.2	3[illegible]	3[illegible].0	39.8	40.7	41.6	42.5	42.8	43.5	45.2	45.8	47.3	
≥ 3500	28.3	29.5	31.7	35.5	[illegible]	39.5	41.4	42.3	43.2	44.1	44.4	45.2	46.8	47.4	48.[illegible]	
≥ 3000	29.7	30.9	33.1	36.9	[illegible]	[illegible].2	43.1	44.1	44.9	45.8	46.1	46.9	48.5	49.1	50.6	
≥ 2500	30.8	32.3	34.7	39.[illegible]	[illegible]	[illegible].3	45.4	46.3	47.2	48.1	48.4	49.1	50.8	51.4	52.9	
≥ 2000	33.1	34.6	37.2	41.6	[illegible]	[illegible].1	48.2	49.1	50.0	50.9	51.2	51.9	53.6	54.2	55.7	
≥ 1800	35.6	37.2	40.0	44.4	44.[illegible]	47.1	51.3	52.4	53.2	54.1	54.4	55.2	56.8	57.4	58.9	
≥ 1500	39.0	40.6	43.6	48.1	48.5	5[illegible].2	55.6	56.7	57.5	58.4	58.7	59.7	61.4	62.1	63.7	
≥ 1200	40.3	41.9	44.9	49.4	49.8	5[illegible].5	56.9	58.0	58.8	59.7	60.0	61.0	62.7	63.4	65.0	
≥ 1000	42.7	44.3	47.4	52.0	52.[illegible]	5[illegible].2	59.7	60.8	61.6	62.5	62.8	63.8	65.6	66.3	67.9	
≥ 900	46.3	48.1	51.5	56.6	57.4	62.[illegible]	65.0	66.1	67.0	67.9	68.2	69.2	71.0	71.7	73.3	
≥ 800	48.3	50.1	53.8	59.6	60.[illegible]	65.7	68.3	69.4	70.4	71.2	71.6	72.5	74.4	75.0	76.6	
≥ 700	49.5	51.3	55.3	61.3	62.2	67.5	70.0	71.1	72.1	73.0	73.4	74.4	76.2	76.8	78.4	
≥ 600	50.6	52.5	56.5	63.3	64.1	69.4	72.1	73.2	74.1	75.0	75.4	76.4	78.2	78.9	80.5	
≥ 500	50.8	52.6	56.6	63.9	64.8	70.0	72.7	74.1	75.1	76.0	76.4	77.4	79.2	79.8	81.5	
≥ 400	51.9	54.0	58.0	65.4	66.3	71.7	74.8	76.6	77.6	78.6	79.1	80.[illegible]	82.0	82.7	84.3	
≤ 300	52.5	54.6	58.7	66.5	67.3	73.2	76.4	78.3	79.3	80.3	80.8	81.8	83.7	84.4	86.0	
≥ 200	52.5	54.6	58.7	66.8	67.7	74.6	77.5	79.6	80.8	81.8	82.3	83.3	85.3	86.0	87.6	
≥ 100	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.3	82.9	83.8	84.4	85.6	87.7	88.5	90.1	
≥ 0	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.5	83.4	84.5	85.3	87.0	90.1	91.2	94.0	
	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2	99.8	
	52.5	54.6	58.7	66.8	68.0	74.1	78.9	81.6	83.7	84.8	85.7	87.4	90.5	92.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 928

AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

BITBURG AB GERMANY 59-76 UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	9	8	7	6	5	4	3	2½	2	1½	1¼	1	½	¼	0
NO CEILING	14.8	15.6	17.0	20.4	20.6	22.6	24.5	26.2	27.4	28.2	28.4	29.1	30.4	31.1	34.2	
≥ 22000	15.6	16.6	18.1	21.9	22.1	24.1	26.1	27.9	29.3	30.2	30.4	31.1	32.4	33.3	36.7	
≥ 20000	15.6	16.6	18.1	21.9	22.1	24.1	26.1	27.9	29.3	30.2	30.4	31.1	32.4	33.3	36.7	
≥ 18000	15.7	16.7	18.2	22.0	22.2	24.2	26.2	28.0	29.4	30.3	30.5	31.3	32.5	33.4	36.9	
≥ 17000	15.9	16.8	18.3	22.1	22.3	24.4	26.3	28.1	29.5	30.4	30.6	31.4	32.7	33.5	37.0	
≥ 16000	15.8	16.8	18.4	22.2	22.4	24.6	26.5	28.3	29.7	30.6	30.8	31.6	32.9	33.7	37.2	
≥ 15000	16.2	17.3	19.1	23.1	23.3	25.4	27.4	29.2	30.6	31.6	31.8	32.7	34.1	35.0	38.6	
≥ 14000	16.2	17.3	19.1	23.2	23.4	25.5	27.5	29.3	30.7	31.7	31.9	32.8	34.2	35.1	38.7	
≥ 13000	17.0	18.5	20.4	25.0	25.2	27.6	29.5	31.4	32.8	33.7	33.9	34.9	36.3	37.3	40.8	
≥ 12000	17.0	18.5	20.4	25.0	25.2	27.6	29.5	31.4	33.0	33.9	34.2	35.2	36.6	37.6	41.2	
≥ 11000	17.0	18.5	20.4	25.0	25.2	27.6	29.5	31.4	33.0	33.9	34.2	35.2	36.6	37.6	41.2	
≥ 10000	18.2	19.7	21.6	26.5	26.7	29.2	31.1	33.0	34.6	35.6	35.8	36.9	38.3	39.2	42.8	
≥ 9000	19.2	20.7	22.6	27.6	27.8	30.5	32.2	34.1	35.7	36.6	36.9	37.9	39.3	40.3	43.9	
≥ 8000	20.9	22.5	24.5	29.6	29.8	32.5	34.8	37.2	39.0	40.0	40.2	41.4	42.8	43.8	47.4	
≥ 7000	22.1	23.9	26.0	31.7	31.9	34.7	37.0	39.3	41.2	42.1	42.3	43.5	44.9	45.9	49.6	
≥ 6000	24.6	26.4	28.6	34.5	34.7	37.5	39.8	42.1	44.0	44.9	45.2	46.3	47.7	48.7	52.4	
≥ 5500	25.9	28.0	30.2	36.2	36.4	39.3	42.0	44.5	46.4	47.4	47.7	48.9	50.4	51.5	55.2	
≥ 5000	29.7	32.3	34.9	41.3	41.5	44.4	47.1	49.6	51.6	52.7	53.0	54.2	55.7	56.8	60.6	
≥ 4500	30.4	33.0	35.9	42.3	42.6	45.5	48.2	50.6	52.7	53.8	54.1	55.3	56.8	57.9	61.6	
≥ 4000	33.3	36.1	39.1	45.6	46.0	49.4	52.0	54.6	56.7	57.8	58.1	59.3	60.8	62.1	65.8	
≥ 3500	35.8	38.7	41.7	48.7	49.4	52.8	55.5	58.1	60.1	61.2	61.5	62.7	64.2	65.5	69.3	
≥ 3000	38.0	41.3	44.4	51.7	52.4	56.1	58.9	61.7	63.9	65.0	65.3	66.5	68.0	69.3	73.1	
≥ 2500	38.5	42.0	45.3	53.0	53.8	57.7	60.6	63.4	65.5	66.6	66.9	68.1	69.6	70.9	74.7	
≥ 2000	39.7	43.2	46.6	55.0	56.1	60.1	63.0	65.8	68.1	69.2	69.5	70.7	72.2	73.5	77.3	
≥ 1800	40.6	44.4	48.0	56.8	58.0	62.2	65.2	68.1	70.5	71.6	71.9	73.1	74.6	75.9	79.6	
≥ 1500	41.1	45.2	49.4	58.6	59.8	64.3	67.7	70.8	73.2	74.2	74.7	75.9	77.4	78.8	82.5	
≥ 1200	41.7	45.9	50.2	59.7	61.2	65.9	69.6	73.1	75.4	76.5	76.9	78.1	79.6	81.0	84.8	
≥ 1000	41.7	45.9	50.2	59.7	61.2	66.1	70.3	74.0	76.6	77.7	78.2	79.4	80.9	82.3	86.1	
≥ 900	41.7	45.9	50.2	59.8	61.3	66.3	70.9	74.9	77.7	79.0	79.8	81.0	82.8	84.2	87.9	
≥ 800	41.7	45.9	50.2	59.8	61.3	66.3	71.1	75.1	78.1	79.6	80.8	82.4	84.6	86.6	92.5	
≥ 700	41.7	45.9	50.2	59.8	61.3	66.3	71.1	75.1	78.4	80.0	81.1	82.8	85.5	87.9	99.5	
≥ 600	41.7	45.9	50.2	59.8	61.3	66.3	71.1	75.1	78.4	80.0	81.1	82.8	85.5	87.9	100.0	
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 928

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

34042 BITBURG AB GERMANY 60-78 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

CEILING IN FEET	VISIBILITY STATUTE MILES														
	≥0	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0		
[illegible]		12.4	13.9	15.9	20.8	21.3	23.0	24.6	26.1	26.9	27.0	27.3	27.5	27.8	28.1	29.4
[illegible]		13.7	15.3	17.8	23.0	23.6	25.3	27.3	28.9	30.0	30.2	30.5	30.7	31.0	31.4	32.9
≥ [illegible]		13.8	15.4	17.9	23.1	23.7	25.4	27.4	29.0	30.1	30.3	30.6	30.8	31.1	31.5	33.0
[illegible]		14.0	15.6	18.1	23.3	23.9	25.6	27.6	29.2	30.3	30.5	30.8	31.0	31.4	31.7	33.2
≥ 4000		14.2	15.8	18.3	23.5	24.1	25.9	27.8	29.4	30.5	30.7	31.0	31.3	31.6	31.9	33.4
[illegible]		14.7	16.4	18.9	24.0	24.7	26.4	28.3	30.0	31.0	31.3	31.6	31.6	32.1	32.4	33.9
≥ [illegible]		15.0	16.7	19.3	24.5	25.1	26.8	28.8	30.5	31.6	31.8	32.1	32.3	32.7	33.0	34.6
≥ 2500		15.3	17.0	19.6	24.8	25.4	27.4	29.3	31.0	32.1	32.3	32.7	32.9	33.2	33.5	35.1
≥ 2000		17.0	18.9	21.8	26.9	27.7	29.7	31.7	33.4	34.5	34.7	35.0	35.2	35.6	35.9	37.5
≥ 1800		17.7	19.5	22.4	27.6	28.3	3 .4	32.4	34.2	35.2	35.5	35.8	36.2	36.5	36.9	38.5
≥ 1600		17.7	19.5	22.4	27.6	28.3	3 .4	32.4	34.2	35.2	35.5	35.8	36.2	36.5	36.9	38.5
≥ 1400		18.4	20.3	23.2	28.4	29.2	31.3	33.3	35.0	36.1	36.3	36.6	37.1	37.4	37.7	39.3
≥ 1200		19.2	21.1	24.2	29.5	30.3	32.4	34.5	36.2	37.3	37.5	37.8	38.3	38.6	38.9	40.5
≥ 1000		21.1	23.4	26.6	31.9	32.9	35.3	37.4	39.1	40.2	40.4	40.8	41.3	41.8	42.1	43.8
≥ 900		23.3	25.8	29.2	34.5	35.5	37.9	40.0	41.7	42.9	43.1	43.5	44.0	44.5	44.8	46.4
≥ 800		25.4	27.9	31.4	37.2	38.3	40.7	42.9	44.8	46.0	46.3	46.8	47.2	47.7	48.1	49.7
≥ 700		27.6	30.2	33.6	39.5	40.6	43.1	45.3	47.2	48.4	48.7	49.1	49.7	50.3	50.6	52.3
≥ 600		31.4	33.8	37.7	44.1	45.2	47.8	50.0	51.9	53.1	53.4	53.9	54.4	55.1	55.4	57.0
≥ 500		32.2	34.9	38.9	45.4	46.4	49.2	51.4	53.4	54.6	55.0	55.4	55.9	56.6	56.9	58.5
≥ 450		35.5	38.5	42.6	49.2	50.3	53.4	56.0	58.3	59.5	59.8	60.2	60.9	61.5	62.1	63.7
≥ 400		38.7	41.9	46.2	53.4	54.6	57.9	60.5	62.7	63.9	64.2	64.7	65.3	65.9	66.5	68.1
≥ 350		40.5	44.0	48.4	56.6	58.0	61.9	65.0	67.3	68.6	69.0	69.4	70.0	70.7	71.2	72.8
≥ 300		41.2	44.6	49.0	57.2	58.7	62.8	66.1	68.5	69.9	70.3	70.7	71.3	72.0	72.5	74.1
≥ 250		42.1	45.9	50.6	59.2	60.9	65.4	68.6	71.3	72.8	73.3	73.7	74.4	75.0	75.5	77.2
≥ 200		42.5	46.2	51.3	61.1	63.3	68.1	71.7	74.6	76.1	76.5	76.9	77.6	78.2	78.8	80.4
≥ 150		42.6	46.6	52.0	62.6	64.9	70.3	73.8	76.9	78.6	79.0	79.5	80.2	80.8	81.4	83.0
≥ 100		42.8	46.8	52.3	63.1	65.5	71.2	75.0	78.4	80.2	80.6	81.1	81.8	82.4	83.0	84.6
≥ 050		42.8	46.8	52.3	63.4	65.8	72.2	76.3	80.0	82.1	82.7	83.3	84.1	84.7	85.2	86.9
≥ 000		42.8	46.8	52.3	63.5	65.9	72.7	77.0	81.0	84.1	84.7	85.6	86.3	87.1	87.6	89.2
[illegible]		42.9	46.9	52.4	63.6	66.1	73.0	77.3	81.3	84.6	85.7	86.7	87.9	89.5	90.6	94.0
≥ [illegible]		42.9	46.9	52.4	63.6	66.1	73.0	77.4	81.4	84.8	85.9	87.0	88.1	89.9	91.4	99.5
≥		42.9	46.9	52.4	63.6	66.1	73.0	77.4	81.4	84.8	85.9	87.0	88.1	89.9	91.5	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY 59-76 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	6	5	4	3½	3	2½	2	1½	1	¾	½	¼	0		
NO CEILING	27.6	23.9	25.8	29.0	29.9	3 .6	31.3	31.4	31.5	31.6	31.6	31.6	31.6	31.7	31.9	
≥ 20000	26.7	28.2	30.3	34.8	35.2	35.9	36.6	36.7	36.9	37.0	37.0	37.0	37.0	37.1	37.3	
≥ 18000	26.7	28.2	30.3	34.8	35.2	35.9	36.6	36.7	36.9	37.0	37.0	37.0	37.0	37.1	37.3	
≥ 16000	26.7	28.2	30.3	34.8	35.2	35.9	36.6	36.7	36.9	37.0	37.0	37.0	37.0	37.1	37.3	
≥ 14000	26.9	28.4	30.5	35.1	35.4	36.1	36.8	36.9	37.1	37.2	37.2	37.2	37.2	37.3	37.5	
≥ 12000	27.8	29.0	31.8	36.5	36.8	37.5	38.2	38.3	38.5	38.6	38.6	38.6	38.6	38.7	38.9	
≥ 11000	29.6	31.4	33.9	38.6	39.0	39.8	40.4	40.6	41.0	41.1	41.1	41.1	41.1	41.2	41.4	
≥ 10000	30.3	32.2	34.6	39.4	39.8	4 .5	41.2	4 .4	41.7	41.8	41.8	41.8	41.8	41.9	42.2	
≥ 9000	31.5	33.3	35.8	40.6	41.1	41.9	42.6	42.8	43.1	43.2	43.2	43.2	43.2	43.3	43.5	
≥ 8000	32.5	34.3	36.8	41.7	42.2	43.0	43.7	43.9	44.2	44.3	44.3	44.3	44.3	44.4	44.6	
≥ 7000	32.8	34.6	37.1	42.0	42.5	43.3	44.0	44.2	44.5	44.6	44.6	44.6	44.6	44.7	44.9	
≥ 6000	34.6	36.6	39.0	44.0	44.4	45.3	45.9	46.1	46.5	46.6	46.6	46.6	46.6	46.7	46.9	
≥ 5000	34.9	37.0	39.5	44.4	44.8	45.7	46.3	46.6	46.9	47.0	47.0	47.0	47.0	47.1	47.3	
≥ 4500	36.6	38.7	41.2	46.5	46.9	47.7	48.4	48.6	48.9	49.0	49.0	49.0	49.0	49.1	49.4	
≥ 4000	39.0	41.2	43.7	48.9	49.4	50.2	51.0	51.2	51.5	51.6	51.6	51.6	51.6	51.7	51.9	
≥ 3500	43.5	46.0	48.7	54.3	54.7	55.7	56.	56.7	57.0	57.1	57.1	57.1	57.1	57.2	57.4	
≥ 3000	47.2	49.7	52.4	58.5	58.9	60.2	61.0	61.3	61.6	61.7	61.7	61.7	61.7	61.8	62.0	
≥ 2500	52.7	55.3	58.0	64.1	64.6	66.0	66.8	67.1	67.4	67.5	67.5	67.5	67.5	67.6	67.8	
≥ 2000	54.0	56.7	59.5	65.7	66.2	67.6	68.4	68.7	69.0	69.1	69.1	69.1	69.1	69.2	69.5	
≥ 1800	58.7	61.6	65.1	71.4	71.9	73.3	74.2	74.5	74.8	74.9	74.9	74.9	74.9	75.1	75.3	
≥ 1500	61.2	64.5	68.9	76.6	77.3	78.8	79.7	80.0	80.3	80.4	80.4	80.4	80.4	80.5	80.8	
≥ 1200	62.9	66.5	71.0	80.0	81.0	82.8	84.0	84.3	84.7	84.8	84.8	84.8	84.8	84.9	85.2	
≥ 1000	63.0	66.6	71.1	80.3	81.3	83.2	84.5	84.8	85.3	85.4	85.4	85.4	85.4	85.5	85.7	
≥ 900	64.1	67.8	72.5	82.8	83.8	85.8	87.3	87.8	88.3	88.4	88.4	88.4	88.4	88.5	88.7	
≥ 800	64.5	68.4	73.1	84.0	85.1	87.5	89.1	89.7	90.1	90.2	90.2	90.2	90.2	90.3	90.5	
≥ 700	64.9	69.0	73.9	85.3	86.3	89.0	90.8	91.4	91.8	91.9	91.9	91.9	91.9	92.0	92.3	
≥ 600	65.1	69.2	74.1	85.5	86.6	89.6	91.5	92.3	92.7	92.8	92.8	92.8	92.8	92.9	93.1	
≥ 500	65.1	69.4	74.2	85.6	86.7	89.9	92.2	93.5	94.3	94.4	94.4	94.4	94.4	94.5	94.7	
≥ 400	65.1	69.4	74.2	85.6	86.7	89.9	92.4	94.2	95.5	95.8	96.0	96.0	96.1	96.3	96.6	
≥ 300	65.1	69.4	74.2	85.6	86.7	89.9	92.4	94.2	95.8	96.3	96.7	96.8	97.1	97.5	97.7	
≥ 200	65.1	69.4	74.2	85.6	86.7	89.9	92.4	94.2	95.9	96.5	96.8	97.0	97.8	98.6	99.8	
≥ 100	65.1	69.4	74.2	85.6	86.7	89.9	92.4	94.3	96.0	96.6	96.9	97.1	98.0	98.7	100.0	
≥ 0																

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3404? BITBURG AB GERMANY 59-73 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	10	9	8	7	6	5	4	3½	3	2½	2	1½	1	½	<½
NO CEILING	30.1	31.5	33.5	35.3	35.3	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.7	36.0	36.0	
≥ 22000	35.6	38.3	41.1	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.8	43.8	43.8	44.1	44.1	
≥ 18000	36.6	38.3	41.1	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.8	43.8	43.8	44.1	44.1	
≥ 18000	36.6	38.3	41.1	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.8	43.8	43.8	44.1	44.1	
≥ 14000	36.9	38.5	41.3	43.5	43.6	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.3	44.3	
≥ 12000	37.9	39.5	42.7	44.9	45.0	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.8	45.8	
≥ 10000	40.4	42.0	45.2	47.7	47.8	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.6	48.6	
≥ 9000	41.3	42.9	46.0	48.7	48.8	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.6	49.6	
≥ 8000	43.1	44.7	47.8	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.9	51.9	
≥ 7000	43.8	45.4	48.5	51.5	51.7	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.6	52.6	
≥ 6000	44.1	45.7	48.8	51.8	52.0	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.9	52.9	
≥ 5000	45.2	46.8	49.9	53.0	53.2	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	54.1	54.1	
≥ 4500	46.4	48.1	51.3	54.4	54.6	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.5	55.5	
≥ 4000	50.2	51.8	55.3	58.7	59.1	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	60.0	60.0	
≥ 3500	54.5	56.1	59.7	63.3	63.6	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.2	64.5	64.5	
≥ 3000	57.7	59.4	63.5	67.5	67.9	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.9	68.9	
≥ 2500	62.3	64.3	69.0	73.1	73.5	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.5	74.5	
≥ 2000	67.2	69.5	74.2	78.7	79.1	79.7	79.7	79.8	79.8	79.8	80.0	80.0	80.0	80.3	80.3	
≥ 1800	68.5	70.8	75.6	80.3	80.7	81.5	81.5	81.6	81.6	81.6	81.7	81.7	81.7	82.0	82.0	
≥ 1500	71.3	73.8	79.1	83.9	84.4	85.1	85.2	85.3	85.6	85.6	85.7	85.7	85.7	86.0	86.0	
≥ 1200	73.9	76.9	82.5	87.9	88.5	89.8	89.9	90.0	90.2	90.2	90.3	90.3	90.3	90.6	90.6	
≥ 1000	75.1	78.0	84.3	89.9	90.4	92.2	92.3	92.6	92.8	92.8	92.9	92.9	92.9	93.2	93.2	
≥ 900	75.2	78.9	84.7	90.8	91.4	93.2	93.3	93.5	93.8	93.8	93.9	93.9	93.9	94.2	94.2	
≥ 800	75.4	79.1	84.9	91.4	91.9	93.9	94.0	94.2	94.4	94.4	94.5	94.5	94.5	94.8	94.8	
≥ 700	75.4	79.1	84.9	91.5	92.0	94.3	94.4	94.6	94.8	94.8	94.9	94.9	94.9	95.3	95.3	
≥ 600	75.4	79.1	84.9	91.9	92.6	94.8	95.2	95.5	95.8	95.8	95.9	95.9	95.9	96.2	96.2	
≥ 500	75.4	79.1	84.9	92.0	92.7	95.5	96.1	96.6	97.0	97.0	97.1	97.1	97.1	97.4	97.4	
≥ 400	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.3	97.8	98.0	98.1	98.1	98.1	98.4	98.4	
≥ 300	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.4	98.5	98.7	98.8	98.8	99.1	99.1	
≥ 200	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.5	98.6	98.8	98.9	98.9	99.2	99.4	
≥ 100	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.5	98.6	98.8	98.9	99.2	99.6	100.0	
< 100	75.4	79.1	84.9	92.5	93.1	96.2	96.9	97.4	98.5	98.6	98.8	98.9	99.2	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY 9-78 UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

	31.9	33.3	36.0	40.3	40.9	41.9	42.3	42.3	42.3	42.3	42.4	42.5	42.6	42.6	42.6
	35.7	37.1	40.4	45.3	46.1	47.4	47.8	47.8	47.8	47.8	48.0	48.1	48.2	48.2	48.2
	36.0	37.5	40.9	45.7	46.6	47.8	48.3	48.3	48.3	48.3	48.4	48.5	48.6	48.6	48.6
	36.1	37.6	41.0	45.8	46.7	48.0	48.4	48.4	48.4	48.4	48.5	48.6	48.7	48.7	48.7
	36.7	38.2	41.5	46.3	47.2	48.5	48.9	48.9	48.9	48.9	49.0	49.1	49.2	49.2	49.2
	37.3	38.8	42.2	47.1	48.0	49.5	49.9	49.9	49.9	49.9	50.0	50.1	50.2	50.2	50.2
	39.2	41.0	44.3	49.2	50.1	51.6	52.0	52.0	52.0	52.0	52.2	52.3	52.4	52.4	52.4
	40.1	41.9	45.3	50.2	51.1	52.6	53.0	53.0	53.0	53.0	53.1	53.2	53.3	53.3	53.3
	43.0	45.2	48.7	53.9	54.7	56.2	56.7	56.7	56.7	56.7	56.8	56.9	57.0	57.0	57.0
	44.0	46.1	49.7	54.6	55.7	57.2	57.6	57.6	57.6	57.6	57.7	57.8	58.0	58.0	58.0
	44.1	46.2	49.8	54.9	55.8	57.3	57.7	57.7	57.7	57.7	57.8	58.0	58.1	58.1	58.1
	45.1	47.2	50.8	55.9	56.8	58.3	58.7	58.7	58.7	58.7	58.8	58.9	59.0	59.0	59.0
	47.2	49.4	52.9	58.2	59.0	60.5	61.0	61.0	61.0	61.0	61.1	61.2	61.3	61.3	61.3
	50.1	52.3	55.8	61.3	62.2	63.8	64.2	64.2	64.2	64.2	64.3	64.4	64.5	64.5	64.5
3500	54.4	56.6	60.2	66.1	67.1	68.7	69.1	69.1	69.1	69.1	69.2	69.4	69.5	69.5	69.5
3000	57.4	59.6	63.2	69.2	70.2	71.9	72.4	72.4	72.4	72.4	72.5	72.6	72.7	72.7	72.7
2500	61.0	63.5	67.3	73.9	74.8	76.7	77.1	77.1	77.1	77.1	77.2	77.3	77.4	77.4	77.4
2000	66.1	69.0	73.0	80.6	81.6	83.7	84.1	84.1	84.1	84.1	84.2	84.3	84.4	84.4	84.4
1800	67.1	70.1	74.2	81.8	82.8	85.1	85.5	85.5	85.5	85.5	85.6	85.7	85.8	85.8	85.8
1500	69.4	72.5	76.9	85.2	86.1	88.4	88.8	88.8	88.8	88.8	88.9	89.0	89.1	89.1	89.1
1200	70.6	74.1	78.9	87.6	88.6	91.1	91.6	91.8	91.8	91.6	91.9	92.0	92.2	92.2	92.2
1000	70.9	74.4	79.4	88.5	89.6	92.2	93.0	93.2	93.2	93.2	93.3	93.4	93.5	93.5	93.7
900	70.9	74.4	79.4	88.6	89.9	92.5	93.3	93.5	93.5	93.5	93.7	93.8	93.9	93.9	94.0
800	71.1	74.8	79.8	89.4	90.4	93.2	94.1	94.4	94.4	94.4	94.5	94.6	94.7	94.7	94.8
700	71.2	74.9	80.0	89.7	90.8	93.9	94.7	95.1	95.2	95.2	95.3	95.4	95.5	95.5	95.6
600	71.2	75.1	80.2	89.9	91.0	94.1	94.9	95.4	95.5	95.5	95.6	95.7	95.8	95.8	95.9
500	71.3	75.2	80.3	90.3	91.5	94.9	95.9	96.6	96.7	96.7	96.8	96.9	97.0	97.0	97.1
400	71.3	75.2	80.3	90.4	91.6	95.4	96.3	97.5	97.8	97.8	98.0	98.1	98.2	98.2	98.3
300	71.3	75.2	80.3	90.4	91.6	95.4	96.5	97.7	98.2	98.2	98.3	98.4	98.6	98.6	98.7
200	71.3	75.2	80.3	90.4	91.6	95.4	96.5	98.0	98.4	98.5	98.6	98.7	99.0	99.0	99.5
100	71.3	75.2	80.3	90.4	91.6	95.4	96.5	98.0	98.4	98.5	98.6	98.7	99.0	99.0	100.0
0	71.3	75.2	80.3	90.4	91.6	95.4	96.5	98.0	98.4	98.5	98.6	98.7	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 BITBURG AB GER, NY 9-76 WCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FEET) / VISIBILITY (STATUTE MILES)																
	35.5	36.3	38.7	41.9	42.6	45.9	46.5	47.2	47.4	47.5	47.5	47.7	48.0	48.0	48.0
	38.4	39.2	41.6	45.5	46.2	49.7	50.3	51.1	51.3	51.4	51.5	51.7	51.9	51.9	51.9
	38.4	39.2	41.6	45.5	46.2	49.7	50.3	51.1	51.3	51.4	51.5	51.7	51.9	51.9	51.9
	38.4	39.2	41.6	45.5	46.2	49.7	50.3	51.1	51.3	51.4	51.5	51.7	51.9	51.9	51.9
	38.6	39.5	41.8	45.7	46.5	49.9	50.5	51.3	51.5	51.6	51.7	51.9	52.2	52.2	52.2
	38.8	39.7	42.0	45.9	46.7	50.2	50.9	51.6	51.8	51.9	52.0	52.3	52.5	52.5	52.5
	39.3	40.6	43.0	47.0	47.7	51.5	52.2	52.9	53.1	53.2	53.3	53.5	53.8	53.8	53.8
	40.4	41.3	43.7	47.6	48.4	52.2	52.8	53.5	53.8	53.9	54.0	54.2	54.4	54.4	54.4
	42.3	43.5	46.0	50.1	51.0	54.7	55.4	56.1	56.5	56.6	56.7	56.9	57.1	57.1	57.1
	42.8	44.2	46.8	50.9	51.7	55.5	56.2	57.0	57.3	57.4	57.5	57.7	58.0	58.0	58.0
	43.0	44.4	47.0	51.1	51.9	55.7	56.5	57.2	57.5	57.6	57.7	58.0	58.2	58.2	58.2
	44.3	45.7	48.3	52.5	53.3	57.1	57.8	58.6	58.9	59.0	59.1	59.4	59.6	59.6	59.6
	47.6	49.1	51.8	56.1	57.1	61.9	61.6	62.4	62.7	62.8	62.9	63.1	63.3	63.3	63.3
	50.3	51.8	54.5	58.9	60.0	64.2	64.9	65.7	66.0	66.1	66.2	66.5	66.7	66.7	66.7
	53.1	54.7	57.4	61.9	63.1	67.3	68.1	68.8	69.1	69.2	69.4	69.6	69.8	69.8	69.8
	55.3	56.9	59.7	64.3	65.5	69.7	70.4	71.2	71.5	71.6	71.7	71.9	72.2	72.2	72.2
	59.7	59.8	62.8	67.6	69.0	73.2	74.0	74.7	75.1	75.2	75.3	75.5	75.7	75.7	75.7
	62.3	64.1	67.2	72.5	73.9	78.2	79.0	79.8	80.1	80.2	80.3	80.5	80.8	80.8	80.8
	62.8	64.6	67.8	73.2	74.6	78.9	79.8	80.5	80.9	81.0	81.1	81.3	81.5	81.5	81.5
	65.1	66.9	70.1	75.7	77.4	82.0	82.9	83.7	84.0	84.1	84.2	84.4	84.6	84.6	84.6
	66.9	68.7	72.5	78.6	80.4	85.3	86.3	87.1	87.4	87.5	87.6	87.8	88.1	88.1	88.1
	68.1	70.1	74.0	80.3	82.2	87.3	88.4	89.1	89.5	89.6	89.7	89.9	90.1	90.1	90.1
	68.2	70.2	74.2	80.6	82.5	87.6	88.7	89.5	89.8	89.9	90.0	90.2	90.4	90.4	90.4
	68.7	70.9	75.1	81.6	83.4	88.9	90.0	90.8	91.1	91.2	91.3	91.5	91.7	91.7	91.7
	69.5	71.6	76.0	82.9	84.7	90.4	91.7	92.5	92.8	92.9	93.0	93.2	93.4	93.4	93.4
	69.7	71.8	76.6	83.8	85.6	91.5	92.8	93.5	93.9	94.0	94.1	94.3	94.5	94.5	94.5
	69.8	72.0	76.9	84.2	86.0	92.2	93.4	94.4	94.7	94.8	94.9	95.2	95.4	95.4	95.4
	69.8	72.2	77.1	84.5	86.3	92.9	94.2	95.3	95.8	95.9	96.0	96.2	96.5	96.5	96.5
	69.8	72.2	77.1	84.5	86.3	93.1	94.4	95.8	96.5	96.6	96.7	97.0	97.2	97.2	97.2
	69.9	72.3	77.2	84.6	86.5	93.2	94.5	95.9	96.7	96.8	96.9	97.3	97.7	98.5	98.5
	69.9	72.3	77.2	84.6	86.5	93.2	94.5	96.0	96.8	96.9	97.1	97.5	98.0	98.7	100.0
	69.9	72.3	77.2	84.6	86.5	93.2	94.5	96.0	96.8	96.9	97.1	97.5	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

5404- BITBURG AB GERMANY 8-73 CI

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

		24.7	26.0	28.2	31.5	31.9	33.8	34.8	35.6	36.1	36.4	36.5	36.8	37.3	37.6	38.4
		27.4	28.9	31.2	35.1	35.6	37.5	38.6	39.5	40.0	40.3	40.5	40.8	41.3	41.7	42.6
		27.6	28.9	31.3	35.1	35.7	37.6	38.7	39.5	40.1	40.4	40.6	40.9	41.4	41.7	42.7
		27.7	29.0	31.3	35.2	35.8	37.7	38.7	39.6	40.2	40.5	40.7	41.0	41.5	41.8	42.7
		27.9	29.2	31.5	35.4	36.0	37.9	38.9	39.8	40.4	40.7	40.9	41.2	41.7	42.0	42.9
		28.3	29.7	32.1	36.1	36.5	38.5	39.6	40.4	41.0	41.3	41.5	41.8	42.3	42.6	43.6
		29.5	31.0	33.4	37.4	38.0	40.0	41.1	42.0	42.6	42.9	43.1	43.4	44.0	44.3	45.2
		30.0	31.5	33.9	38.0	38.5	40.6	41.7	42.6	43.2	43.5	43.7	44.0	44.5	44.9	45.8
		31.6	33.3	35.9	40.1	40.7	42.9	44.0	44.8	45.5	45.8	46.0	46.3	46.8	47.2	48.1
		32.2	33.9	36.5	40.7	41.3	43.5	44.6	45.5	46.2	46.5	46.7	47.0	47.5	47.9	48.8
		32.4	34.0	36.6	40.9	41.5	43.6	44.7	45.6	46.3	46.6	46.8	47.2	47.7	48.0	49.0
		33.5	35.1	37.8	42.2	42.8	45.0	46.1	46.9	47.6	47.9	48.1	48.5	49.0	49.3	50.3
		35.0	36.7	39.4	43.8	44.4	46.7	47.8	48.7	49.3	49.7	49.9	50.2	50.7	51.1	52.0
		37.2	38.9	41.7	46.3	46.9	49.4	50.6	51.5	52.2	52.6	52.8	53.1	53.7	54.0	55.0
		39.7	41.6	44.5	49.2	50.0	52.4	53.6	54.6	55.3	55.6	55.8	56.2	56.7	57.1	58.1
		42.5	44.5	47.5	52.5	53.2	55.8	57.0	58.0	58.7	59.0	59.2	59.6	60.1	60.5	61.4
		45.5	47.6	50.8	56.2	56.9	59.6	60.9	61.9	62.6	63.0	63.2	63.6	64.1	64.5	65.5
		49.7	52.0	55.4	61.2	62.0	64.8	66.1	67.2	68.0	68.3	68.5	68.9	69.5	69.9	70.9
		50.7	53.0	56.6	62.4	63.2	66.1	67.4	68.5	69.3	69.6	69.8	70.2	70.8	71.2	72.2
		53.4	55.9	59.7	65.8	66.7	69.7	71.1	72.3	73.1	73.4	73.6	74.1	74.7	75.1	76.1
		56.0	58.8	62.9	69.0	70.6	73.9	75.4	76.5	77.3	77.7	77.9	78.3	79.0	79.4	80.4
		57.6	60.6	64.9	72.2	73.3	76.9	78.5	79.8	80.7	81.0	81.2	81.7	82.3	82.7	83.7
		58.1	61.1	65.5	73.0	74.1	77.8	79.5	80.8	81.7	82.0	82.3	82.7	83.3	83.7	84.7
		58.8	61.9	66.4	74.4	75.7	79.5	81.3	82.6	83.5	83.9	84.1	84.6	85.2	85.6	86.6
		59.2	62.3	67.0	75.4	76.7	80.8	82.7	84.1	85.1	85.4	85.6	86.1	86.7	87.1	88.1
		59.5	62.8	67.7	76.4	77.8	82.0	84.1	85.7	86.6	87.0	87.3	87.7	88.4	88.8	89.8
		59.8	63.2	68.1	77.0	78.4	83.0	85.3	87.1	88.0	88.4	88.7	89.1	89.8	90.2	91.2
		59.8	63.2	68.1	77.2	78.6	83.6	86.0	88.1	89.3	89.7	90.0	90.5	91.1	91.6	92.6
		59.8	63.2	68.1	77.2	78.7	83.8	86.6	88.9	90.5	91.0	91.4	91.9	92.6	93.1	94.1
		59.8	63.2	68.2	77.3	78.7	83.9	86.7	89.1	90.9	91.5	92.0	92.8	93.9	94.7	96.6
		59.8	63.2	68.2	77.3	78.7	83.9	86.7	89.1	91.0	91.7	92.2	93.0	94.3	95.4	99.8
		59.8	63.2	68.2	77.3	78.7	83.9	86.7	89.1	91.0	91.7	92.2	93.0	94.3	95.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3404 BITBURG AB GERMANY 9-75 (GY)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

	17.2	17.7	19.1	20.5	20.7	21.4	21.8	22.0	22.1	22.7	22.8	22.9	23.4	23.4	24.2
	18.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6
	18.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6
	18.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6
	18.8	19.2	20.7	22.5	22.7	23.6	24.0	24.2	24.4	25.0	25.1	25.3	25.7	25.7	26.6
	18.9	19.4	20.8	22.6	22.8	23.7	24.1	24.4	24.5	25.1	25.3	25.4	25.8	25.8	26.7
	19.4	19.8	21.2	23.0	23.2	24.1	24.6	24.9	25.0	25.7	25.8	25.9	26.4	26.4	27.3
	19.9	20.4	21.8	23.7	24.0	24.9	25.4	25.7	25.8	26.5	26.6	26.7	27.1	27.1	28.0
	20.7	21.1	22.4	24.7	25.4	26.3	26.7	27.1	27.3	27.9	28.0	28.1	28.6	28.6	29.5
	20.9	21.4	22.8	24.9	25.6	26.5	26.9	27.4	27.5	28.1	28.3	28.4	28.8	28.8	29.7
	21.0	21.5	23.0	25.3	25.9	26.8	27.3	27.7	27.8	28.5	28.6	28.7	29.1	29.1	30.0
	22.4	22.8	24.4	26.6	27.6	28.7	29.1	29.6	29.8	30.5	30.6	30.7	31.1	31.1	32.0
	24.8	25.5	27.1	29.7	30.5	31.7	32.1	32.6	32.8	33.5	33.6	33.7	34.1	34.1	35.0
	26.4	27.2	28.7	31.5	32.3	33.7	34.1	34.6	34.8	35.5	35.6	35.7	36.2	36.2	37.0
	28.8	29.6	31.4	34.4	35.2	36.6	37.0	37.5	37.7	38.4	38.5	38.6	39.0	39.0	39.9
	32.6	33.4	35.2	38.5	39.3	40.7	41.2	41.6	41.8	42.5	42.6	42.7	43.3	43.3	44.2
	35.8	36.7	38.5	42.4	43.2	44.6	45.1	45.5	45.7	46.4	46.5	46.6	47.2	47.2	48.1
	41.7	42.7	45.1	49.2	49.9	51.6	52.1	52.6	53.2	53.8	53.9	54.1	54.6	54.6	55.5
	42.7	43.7	46.1	50.4	51.2	52.8	53.3	53.8	54.4	55.1	55.2	55.3	55.8	55.8	56.7
	48.2	49.3	51.7	56.3	57.6	59.5	60.2	60.7	61.3	62.0	62.1	62.2	62.7	62.7	63.6
	54.9	56.1	58.5	63.5	64.8	67.3	68.0	68.5	69.1	69.7	69.9	70.0	70.5	70.5	71.4
	57.6	59.1	61.5	66.9	68.3	70.7	71.4	72.0	72.5	73.2	73.3	73.4	74.0	74.0	74.9
	59.0	60.4	63.0	68.3	69.7	72.4	73.1	73.6	74.2	74.9	75.0	75.1	75.6	75.6	76.5
	59.8	61.3	64.1	69.7	71.2	74.0	74.6	75.3	75.9	76.5	76.6	76.8	77.3	77.3	78.2
	61.0	62.5	66.0	72.0	73.5	76.4	77.1	77.9	78.4	79.1	79.2	79.3	79.9	79.9	80.8
	61.2	62.8	66.7	73.3	74.9	77.9	78.5	79.3	79.9	80.5	80.6	80.8	81.3	81.3	82.2
	61.6	63.3	67.5	74.7	76.3	79.9	80.9	81.6	82.4	83.1	83.2	83.3	83.9	83.9	84.8
	62.0	63.7	68.0	76.0	77.6	81.6	83.0	83.8	84.5	85.2	85.3	85.4	86.0	86.0	86.9
	62.1	63.8	68.2	76.5	78.3	82.5	84.0	85.1	86.3	87.0	87.1	87.3	87.9	87.9	89.1
	62.1	63.8	68.2	76.5	78.3	82.8	84.6	86.3	88.1	89.0	89.1	89.4	90.4	90.9	93.8
	62.1	63.8	68.2	76.5	78.3	82.8	84.6	86.3	88.2	89.2	89.4	89.9	91.7	93.1	99.9
	62.1	63.8	68.2	76.5	78.3	82.8	84.6	86.3	88.2	89.2	89.4	89.9	91.7	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 859

USAF ETAC [illegible] 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24640 BITBURG AB GERMANY 0-7 UK

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

		13.0	13.6	15.0	15.4	16.2	16.7	16.8	16.9	17.1	17.1	17.1	17.2	17.6	19.4
		14.3	15.2	16.6	16.9	18.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
		14.3	15.2	16.6	16.9	18.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
		14.3	15.2	16.6	16.9	18.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
		14.3	15.2	16.6	16.9	18.2	18.9	19.0	19.2	19.5	19.5	19.5	19.6	19.9	21.7
		14.5	15.1	16.7	17.0	18.4	19.0	19.1	19.4	19.6	19.6	19.6	19.7	20.3	21.8
		15.2	15.9	17.6	17.9	19.4	20.0	20.1	20.4	20.6	20.6	20.6	20.7	21.0	22.8
		15.5	16.1	17.9	18.2	19.7	20.4	20.5	20.7	20.9	20.9	20.9	21.0	21.4	23.1
		16.2	17.4	19.2	19.7	21.1	21.8	22.0	22.2	22.5	22.5	22.5	22.6	22.9	24.7
		16.5	17.6	19.5	19.9	21.4	22.0	22.2	22.5	22.7	22.7	22.7	22.8	23.1	24.9
		16.5	17.6	19.5	19.9	21.4	22.0	22.2	22.5	22.7	22.7	22.7	22.8	23.1	24.9
		18.4	19.6	21.7	22.2	23.9	24.6	24.8	25.0	25.3	25.3	25.3	25.4	25.7	27.5
		20.4	21.6	23.7	24.4	26.5	27.1	27.4	27.6	27.8	27.8	27.8	27.9	28.3	30.0
		23.0	24.2	26.6	27.3	29.4	30.0	30.4	30.6	30.8	30.8	30.8	30.9	31.3	33.1
		24.6	25.8	28.1	28.8	30.9	31.7	32.0	32.3	32.5	32.5	32.5	32.6	32.9	34.8
		27.8	29.0	31.5	32.1	34.3	35.0	35.4	35.6	35.8	35.8	35.8	35.9	36.3	38.2
		30.6	32.3	35.3	35.9	38.0	38.8	39.2	39.4	39.6	39.6	39.6	39.7	40.0	41.9
		35.9	37.9	41.3	41.9	44.2	44.9	45.5	45.9	46.2	46.3	46.4	46.5	46.8	48.7
		37.9	40.0	43.4	44.0	46.6	47.4	47.9	48.4	48.6	48.7	48.8	48.9	49.3	51.2
		43.4	45.6	49.3	50.5	53.3	54.1	54.6	55.2	55.4	55.5	55.6	55.7	56.1	58.1
		47.5	50.3	54.6	56.0	59.3	60.2	60.7	61.3	61.5	61.6	61.7	61.8	62.2	64.2
		52.1	54.8	59.8	61.2	64.6	65.6	66.3	66.9	67.1	67.2	67.3	67.4	67.7	69.7
		53.3	56.1	61.1	62.4	65.9	66.9	67.5	68.1	68.3	68.4	68.5	68.6	69.0	71.0
		55.8	59.0	64.2	65.5	69.1	70.1	70.7	71.3	71.5	71.6	71.7	71.9	72.2	74.4
		57.5	60.7	66.3	67.6	71.5	72.7	73.4	74.0	74.2	74.3	74.4	74.5	74.9	77.1
		58.1	61.3	67.3	68.7	72.0	74.3	75.0	76.0	76.2	76.3	76.4	76.5	76.9	79.1
		58.7	62.3	69.1	70.5	75.4	76.9	77.6	78.6	78.9	79.0	79.2	79.3	79.6	81.9
		58.8	62.5	70.3	72.0	77.3	79.2	80.2	81.2	81.4	81.5	81.9	82.0	82.3	84.5
		58.8	62.6	71.0	72.7	78.6	81.2	82.9	84.0	84.2	84.4	84.8	85.1	85.4	88.1
		59.0	62.7	71.1	72.9	78.8	81.8	83.6	85.2	85.4	85.7	86.3	87.5	88.8	92.7
		59.0	62.7	71.1	72.9	78.8	81.8	83.6	85.3	85.7	86.1	86.8	88.8	91.2	99.1
		59.1	62.8	71.3	73.1	79.0	82.0	83.9	85.5	85.9	86.3	87.0	89.2	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC 0-1645 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34040 BITBURG AB GERMANY 79-87 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

	10.8	11.2	11.5	12.6	12.9	13.4	13.9	14.7	15.0	15.1	15.4	15.6	15.6	15.8	17.5
	11.9	12.5	12.7	13.9	14.5	15.0	15.7	16.5	16.9	17.1	17.4	17.6	17.6	17.9	19.7
	11.9	12.5	12.7	13.9	14.5	15.0	15.7	16.5	16.9	17.1	17.4	17.6	17.6	17.9	19.7
	11.9	12.5	12.7	13.9	14.5	15.0	15.7	16.5	16.9	17.1	17.4	17.6	17.6	17.9	19.7
	12.0	12.6	12.8	14.0	14.6	15.1	15.8	16.6	17.0	17.3	17.5	17.7	17.7	18.0	19.8
	12.0	12.6	12.8	14.0	14.6	15.1	15.8	16.6	17.0	17.3	17.5	17.7	17.7	18.0	19.8
	12.0	12.6	12.9	14.1	14.7	15.3	16.1	16.9	17.4	17.6	17.8	18.3	18.3	18.6	20.4
	12.2	12.8	13.1	14.4	14.9	15.5	16.4	17.1	17.6	17.8	18.0	18.5	18.5	18.8	20.5
	13.7	14.3	14.6	15.8	16.4	16.9	17.8	18.6	19.0	19.3	19.5	19.9	19.9	20.3	22.0
	13.8	14.4	14.8	16.1	16.6	17.1	18.0	18.8	19.3	19.6	19.8	20.3	20.3	20.6	22.4
	14.0	14.6	15.0	16.3	16.8	17.4	18.3	19.0	19.5	19.8	20.0	20.5	20.5	20.8	22.6
	15.6	16.3	16.7	18.0	18.7	19.4	20.3	21.0	21.5	21.8	22.0	22.5	22.5	22.8	24.6
	16.9	17.6	18.0	19.5	20.2	20.9	21.8	22.6	23.1	23.4	23.6	24.1	24.1	24.4	26.2
	18.7	19.5	19.9	21.7	22.4	23.3	24.3	25.2	25.6	25.9	26.2	26.6	26.6	26.9	28.7
	20.7	21.5	22.0	23.9	24.6	25.5	26.5	27.4	27.8	28.2	28.4	28.8	28.8	29.2	31.0
	23.2	24.1	24.9	26.9	27.6	28.8	29.8	30.7	31.2	31.5	31.7	32.2	32.2	32.5	34.3
	25.6	26.7	27.8	30.2	31.0	32.3	33.3	34.2	34.6	35.0	35.2	35.6	35.6	36.0	37.8
	28.0	30.2	31.5	34.2	35.0	36.3	37.3	38.4	38.9	39.2	39.4	39.9	39.9	40.2	42.0
	30.6	32.2	33.5	36.2	37.0	38.3	39.3	40.6	41.1	41.4	41.8	42.2	42.2	42.5	44.3
	36.1	37.8	39.1	42.4	43.4	45.1	46.2	47.7	48.2	48.6	48.9	49.4	49.4	49.8	51.6
	40.4	42.2	43.9	47.7	48.7	50.8	52.2	53.9	54.5	54.8	55.1	55.7	55.7	56.1	57.9
	45.4	47.4	49.4	53.5	54.7	57.1	58.8	60.5	61.0	61.4	61.7	62.2	62.2	62.7	64.5
	46.5	48.6	50.6	54.7	55.9	58.4	60.0	61.7	62.2	62.6	62.9	63.5	63.5	63.9	65.7
	48.2	50.8	53.1	57.5	58.7	61.2	63.0	64.7	65.3	65.6	65.9	66.5	66.5	66.9	68.7
	50.0	52.6	54.9	60.0	61.2	63.9	65.8	67.8	68.4	68.7	69.0	69.6	69.6	70.0	71.8
	51.6	54.3	56.7	62.4	63.6	66.7	68.6	70.7	71.3	71.6	71.9	72.5	72.6	73.1	74.8
	52.7	55.5	58.5	64.9	66.1	69.3	72.5	74.8	75.5	75.8	76.2	76.7	76.9	77.4	79.2
	53.1	56.0	59.1	66.6	68.2	72.6	75.2	77.7	78.4	78.7	79.1	79.6	79.8	80.3	82.2
	53.2	56.1	59.5	67.0	68.7	73.9	77.3	80.3	81.4	82.3	82.6	83.2	83.5	84.1	86.9
	53.2	56.1	59.5	67.3	68.9	74.3	78.0	81.8	83.2	84.3	84.9	85.7	87.6	88.8	93.3
	53.2	56.1	59.5	67.3	68.9	74.3	78.0	82.1	83.4	84.5	85.1	86.0	88.5	91.0	99.8
	53.2	56.1	59.5	67.3	68.9	74.3	78.0	82.1	83.4	84.5	85.1	86.0	88.5	91.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3404 BITBURG AB GER ANY 9-76 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

[illegible]	9.6	10.2	11.9	12.7	13.9	13.1	13.7	14.1	14.2	14.2	14.2	14.3	14.4	15.6
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.[illegible]	18.[illegible]	18.6	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.[illegible]	18.[illegible]	18.6	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.[illegible]	18.[illegible]	18.6	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.[illegible]	18.[illegible]	18.6	18.1	18.3	20.0
11.4	11.8	12.7	14.7	15.1	15.9	16.3	17.2	17.9	18.[illegible]	18.[illegible]	18.6	18.1	18.3	20.0
[illegible]	12.4	13.4	15.4	16.2	17.2	17.8	18.7	19.3	19.4	19.4	19.6	19.7	20.0	21.7
12.1	12.6	13.6	15.6	16.3	17.3	17.9	18.9	19.6	19.7	19.7	19.8	19.9	20.2	22.[illegible]
[illegible]	13.6	14.6	16.6	17.3	[illegible]	19.0	20.0	20.7	20.8	20.8	20.9	21.0	21.6	23.[illegible]
[illegible]	13.8	14.8	16.8	17.6	[illegible]	19.2	20.2	20.9	21.0	21.0	21.1	21.2	21.8	23.4
[illegible]	14.0	15.1	17.1	17.9	[illegible]	19.6	20.6	21.2	21.3	21.3	21.4	21.6	22.1	23.8
14.1	14.7	15.8	18.[illegible]	18.8	[illegible]	20.4	21.4	22.1	22.2	22.2	22.3	22.4	23.0	24.7
15.6	16.1	17.2	19.6	20.3	[illegible]	22.0	23.0	23.7	23.8	23.8	23.9	24.0	24.6	26.2
17.4	18.2	19.3	21.8	22.6	[illegible]	24.3	25.4	26.1	26.2	26.2	26.3	26.4	27.0	28.7
17.9	18.7	19.9	22.4	23.2	24.6	25.1	26.2	26.9	27.0	27.0	27.1	27.2	27.8	29.4
[illegible]	20.3	21.9	24.9	25.9	[illegible]	28.0	29.2	29.9	30.0	30.0	30.1	30.2	30.8	32.7
[illegible]	23.2	25.0	28.0	29.7	[illegible]	31.6	33.0	33.8	33.9	33.9	34.[illegible]	34.1	34.7	36.6
27.3	29.1	31.1	35.1	36.3	37.9	38.7	39.9	40.8	40.9	40.9	41.[illegible]	41.1	41.7	43.6
30.0	31.8	33.8	37.9	39.1	[illegible]	41.6	42.9	43.9	44.0	44.0	44.1	44.2	44.8	46.7
34.3	36.3	38.6	43.7	45.0	47.0	48.2	49.6	50.7	50.8	50.8	50.9	51.0	51.6	53.4
[illegible]	42.3	44.7	50.6	51.9	54.6	56.2	57.9	59.1	59.2	59.2	59.3	59.4	60.0	61.9
42.8	45.3	47.8	54.3	55.7	58.4	60.2	61.9	63.2	63.3	63.3	63.4	63.6	64.1	66.0
43.4	46.0	48.6	55.1	56.4	59.2	61.0	62.7	64.0	64.1	64.1	64.2	64.3	64.9	66.8
46.2	48.9	51.9	58.7	60.0	63.1	65.0	66.7	68.0	68.1	68.1	68.2	68.3	68.9	70.8
47.7	50.9	54.1	61.2	62.9	66.0	68.2	70.0	71.4	71.6	71.6	71.7	71.8	72.3	74.2
[illegible]	52.0	55.4	62.9	64.8	68.3	71.0	72.8	74.2	74.3	74.3	74.[illegible]	74.6	75.1	77.0
[illegible]	52.2	55.8	64.1	66.1	[illegible]	73.6	75.3	77.1	77.2	77.2	77.3	77.4	78.0	79.9
48.8	52.3	56.1	65.2	67.3	[illegible]	75.8	77.6	79.8	79.9	79.9	80.0	80.1	80.7	82.6
48.8	52.3	56.1	65.3	67.4	[illegible]	76.6	79.3	82.7	82.8	82.8	83.0	83.3	84.1	86.3
48.8	52.3	56.1	65.3	67.4	[illegible]	77.1	80.0	83.9	84.4	84.8	85.3	87.0	88.9	92.6
48.8	52.3	56.1	65.3	67.4	[illegible]	77.2	80.2	84.2	84.9	85.2	85.9	87.9	90.7	99.8
48.8	52.3	56.1	65.3	67.4	[illegible]	77.2	80.2	84.2	84.9	85.2	85.9	87.9	90.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC [illegible] 0-1645 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

3404 DITBURG AB GERMANY 49-7 1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

10.4	11.1	12.2	14.3	14.4	14.7	15.1	15.1	15.2	15.2	15.2	15.2	15.6	15.8	15.9
18.1	14.2	15.4	18.2	18.3	18.7	19.1	19.1	19.2	19.2	19.2	19.3	19.6	19.8	20.2
18.2	14.3	15.5	18.3	18.4	18.9	19.3	19.3	19.4	19.4	19.4	19.5	19.8	20.0	20.4
18.2	14.3	15.5	18.3	18.4	18.9	19.3	19.3	19.4	19.4	19.4	19.5	19.8	20.0	20.4
18.2	14.3	15.5	18.3	18.4	18.9	19.4	19.4	19.6	19.6	19.6	19.7	19.9	20.1	20.5
18.4	14.7	15.9	18.7	18.8	19.3	19.8	19.8	19.9	19.9	19.9	20.0	20.2	20.4	20.9
18.9	15.1	16.4	19.0	19.2	19.7	20.2	20.2	20.3	20.3	20.3	20.4	20.6	20.8	21.3
19.6	15.9	17.3	20.0	20.2	20.7	21.2	21.2	21.3	21.3	21.3	21.4	21.6	21.8	22.3
19.9	17.4	19.1	22.2	22.3	22.9	23.4	23.4	23.6	23.6	23.6	23.7	23.9	24.1	24.6
20.0	17.6	19.3	22.6	22.7	23.2	23.8	23.8	23.9	23.9	23.9	24.0	24.2	24.4	24.9
20.3	18.1	19.7	22.9	23.0	23.6	24.1	24.1	24.2	24.2	24.2	24.3	24.6	24.8	25.2
17.1	18.9	20.4	23.7	23.8	24.3	24.9	24.9	25.0	25.0	25.0	25.1	25.3	25.5	26.0
18.1	20.0	21.6	25.0	25.1	25.8	26.3	26.3	26.4	26.4	26.4	26.6	26.8	27.0	27.4
20.1	22.0	23.6	27.0	27.1	27.8	28.3	28.3	28.4	28.4	28.4	28.6	28.8	29.0	29.4
22.7	24.6	26.2	29.6	29.9	30.6	31.1	31.1	31.2	31.2	31.2	31.3	31.6	31.8	32.2
24.8	26.9	28.7	32.4	32.6	33.2	33.8	33.8	33.9	33.9	33.9	34.0	34.2	34.4	35.0
27.9	30.6	32.4	36.4	36.8	37.7	38.2	38.2	38.3	38.3	38.3	38.4	38.7	38.9	39.4
36.1	38.9	40.9	45.2	45.6	46.4	47.1	47.1	47.2	47.2	47.2	47.3	47.6	47.8	48.3
39.0	41.8	43.8	48.2	48.6	49.4	50.1	50.1	50.2	50.2	50.2	50.3	50.6	50.8	51.3
46.7	50.0	52.2	57.7	58.2	59.1	59.9	60.0	60.1	60.1	60.1	60.2	60.4	60.7	61.2
55.0	58.5	60.9	67.2	67.8	69.1	70.1	70.1	70.2	70.2	70.2	70.5	70.6	70.8	71.3
57.1	61.0	63.3	70.1	70.8	72.4	73.6	73.7	73.8	73.8	73.8	73.9	74.1	74.3	74.9
57.8	61.5	64.1	71.1	71.8	73.4	74.6	74.7	74.8	74.8	74.8	74.9	75.1	75.3	75.9
58.2	62.6	65.4	72.9	73.6	75.6	76.9	77.1	77.4	77.4	77.4	77.6	77.8	78.0	78.6
58.9	63.3	66.4	74.9	75.6	77.7	79.6	79.8	80.2	80.2	80.2	80.3	80.6	80.8	81.3
59.1	63.6	66.8	76.1	77.0	79.2	81.2	81.4	82.0	82.0	82.1	82.2	82.4	82.7	83.2
59.2	63.7	67.0	76.8	78.0	80.9	83.2	83.4	84.2	84.2	84.3	84.4	84.7	84.9	85.4
59.3	63.9	67.3	77.1	78.3	81.8	84.6	85.2	86.3	86.3	86.4	86.6	86.8	87.0	87.6
59.3	63.9	67.3	77.1	78.7	82.2	85.3	86.8	88.2	88.7	88.9	89.1	90.1	90.4	91.3
59.3	63.9	67.3	77.1	78.7	82.2	85.4	86.9	88.6	89.2	89.6	90.0	92.2	93.3	94.6
59.4	64.0	67.4	77.2	78.8	82.3	85.6	87.0	88.6	89.4	89.7	90.4	92.9	94.7	99.9
59.4	64.0	67.4	77.2	78.8	82.3	85.6	87.0	88.8	89.4	89.7	90.0	93.0	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC [illegible] OF 643 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 1957 JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	≥ 0	≥ 1/4	≥ 1/2	≥ 3/4	≥ 1	≥ 1 1/4	≥ 1 1/2	≥ 1 3/4	≥ 2	≥ 2 1/2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10
≥ 20000	14.7	15.2	16.1	17.6	17.7	18.0	18.5	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7
≥ 18000	18.2	19.2	20.4	22.4	22.5	22.8	23.2	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 17000	18.2	19.2	20.4	22.4	22.6	22.9	23.4	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 16000	18.2	19.2	20.4	22.4	22.6	22.9	23.4	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 15000	18.2	19.2	20.4	22.4	22.6	22.9	23.4	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 14000	18.9	19.9	21.0	23.0	23.2	23.9	24.0	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 13000	20.2	21.2	22.5	24.6	24.8	25.3	25.7	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 12000	21.0	22.1	23.4	25.5	25.7	26.1	26.6	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 11000	23.5	24.6	25.8	27.9	28.3	29.0	29.5	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 10000	23.6	24.8	26.0	28.1	28.5	29.3	29.7	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 9000	23.7	24.9	26.1	28.3	28.6	29.4	29.8	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 8000	24.9	26.1	27.4	29.6	29.9	30.8	31.4	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 7000	26.3	27.7	29.1	31.9	32.3	33.1	33.8	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 6000	28.8	30.5	32.0	34.8	35.2	36.0	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 5000	32.1	34.4	35.9	39.0	39.4	40.3	40.9	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 4000	37.2	38.9	40.6	43.9	44.4	45.3	46.2	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 3500	42.0	44.0	45.8	49.4	49.8	50.8	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 3000	49.3	51.7	53.5	57.5	58.1	59.2	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 2500	50.6	53.1	54.9	59.0	59.6	60.7	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 2000	56.6	59.8	62.0	67.2	67.9	69.0	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 1800	61.3	64.8	67.0	72.4	73.1	74.4	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1600	62.4	66.3	68.7	75.0	75.8	77.5	79.0	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1400	62.6	66.7	69.2	75.5	76.3	78.2	79.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1200	63.6	68.2	70.9	77.8	78.5	80.8	82.5	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1000	64.0	68.7	71.9	79.1	79.9	82.3	84.1	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 900	64.1	68.9	72.0	79.4	80.2	83.1	84.9	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 800	64.1	68.9	72.1	80.0	80.8	84.0	86.2	87.0	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 700	64.1	68.9	72.1	80.0	80.9	84.4	87.1	88.1	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.3	91.2	91.4	91.7	92.1	92.3	92.5	92.8			
≥ 500	64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.4	92.0	92.5	92.8	93.7	94.0	94.8	95.9			
≥ 400	64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.4	92.3	92.9	93.2	94.1	94.7	95.4	100.0			
≥ 0	64.1	68.9	72.2	80.2	81.2	85.0	87.9	89.4	92.3	92.9	93.2	94.1	94.7	95.4	100.0			

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34042 BITBURG AB GERMANY 9-78 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	10	9	8	7	6	5	4	3	2½	2	1½	1	¾	½	¼	0
22000	21.0	21.4	21.9	23.5	23.8	24.1	24.4	24.4	24.4	24.5	24.6	24.6	24.6	24.6	24.6	24.6
20000	24.6	24.9	25.5	27.5	28.0	28.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0
18000	24.6	24.9	25.5	27.5	28.0	28.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0
17000	24.6	24.9	25.5	27.5	28.0	28.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0
16000	24.6	24.9	25.5	27.5	29.0	29.4	28.7	28.7	28.7	28.8	29.0	29.0	29.0	29.0	29.0	29.0
15000	24.9	25.3	25.9	28.0	28.4	29.8	29.2	29.2	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4
14000	25.7	26.1	26.7	28.7	29.2	29.6	30.0	30.0	30.0	30.1	30.2	30.2	30.2	30.2	30.2	30.2
13000	27.2	27.5	28.2	30.2	30.6	31.1	31.4	31.4	31.4	31.5	31.6	31.6	31.6	31.6	31.6	31.7
12000	27.8	28.3	29.1	31.3	31.8	32.3	32.6	32.6	32.6	32.7	32.9	33.0	33.0	33.0	33.0	33.1
11000	28.6	29.1	29.8	32.1	32.6	33.1	33.4	33.4	33.4	33.5	33.6	33.7	33.7	33.7	33.7	33.9
10000	29.1	29.5	30.3	32.5	33.1	33.5	33.9	33.9	33.9	34.0	34.1	34.2	34.2	34.2	34.2	34.3
9000	31.0	31.4	32.2	34.5	35.1	35.5	36.0	36.0	36.0	36.1	36.2	36.3	36.3	36.3	36.3	36.4
8000	34.0	34.5	35.7	38.4	39.0	39.4	39.9	39.9	39.9	40.0	40.1	40.2	40.2	40.2	40.2	40.3
7000	36.1	36.6	38.1	41.1	41.6	42.1	42.5	42.5	42.5	42.7	42.8	42.9	42.9	42.9	42.9	43.0
6000	39.8	40.3	41.9	45.2	45.8	46.2	46.7	46.7	46.7	46.8	46.9	47.0	47.0	47.0	47.0	47.1
5000	42.3	42.9	44.8	48.3	48.9	49.3	49.8	49.8	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.2
4500	46.2	46.8	48.7	53.1	53.8	54.2	54.7	54.7	54.7	54.8	54.9	55.0	55.0	55.0	55.0	55.1
4000	52.3	52.9	55.0	59.9	60.6	61.0	61.8	61.8	61.8	61.9	62.0	62.1	62.1	62.1	62.1	62.2
3500	53.3	53.9	56.2	61.5	62.1	62.6	63.4	63.4	63.4	63.5	63.6	63.7	63.7	63.7	63.7	63.8
3000	58.9	59.6	62.1	67.5	68.3	68.8	69.7	69.7	69.7	69.8	69.9	70.0	70.0	70.0	70.0	70.3
2500	64.1	65.1	68.2	73.8	74.6	75.3	76.2	76.2	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.7
2200	65.7	67.3	70.5	76.9	77.7	78.6	79.5	79.6	79.7	79.8	80.0	80.1	80.1	80.1	80.1	80.3
2000	66.3	67.8	71.0	77.5	78.3	79.2	80.1	80.2	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.8
1800	66.8	68.9	72.3	78.6	79.6	81.0	81.8	82.0	82.1	82.2	82.3	82.4	82.4	82.4	82.4	82.6
1600	67.5	69.7	73.1	80.2	81.1	82.5	83.6	83.9	84.0	84.1	84.3	84.4	84.4	84.4	84.4	84.6
1400	67.6	69.8	74.1	81.4	82.3	84.2	85.3	85.6	85.7	85.9	86.1	86.2	86.2	86.2	86.2	86.4
1200	67.6	69.8	74.3	81.6	82.6	85.2	86.6	87.3	87.4	87.5	87.8	87.9	87.9	87.9	87.9	88.1
1000	67.7	69.9	74.4	81.8	83.0	86.1	87.6	88.3	88.4	88.5	88.8	88.9	88.9	88.9	88.9	89.1
900	67.7	69.9	74.5	82.3	83.4	87.1	89.0	89.8	90.2	90.3	90.8	90.9	91.2	91.3	91.9	
800	67.7	69.9	74.5	82.3	83.4	87.3	89.4	90.5	91.6	91.5	92.2	92.3	93.2	93.7	95.7	
700	67.7	69.9	74.5	82.3	83.4	87.3	89.4	90.8	91.9	92.0	92.4	92.5	93.8	94.7	99.7	
0	67.7	69.9	74.5	82.3	83.4	87.3	89.4	90.8	91.9	92.0	92.7	92.8	94.1	95.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 828

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

34046 BITBURG AB GERMANY 59-76 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FEET)	≥ 0	≥ 1/4	≥ 1/2	≥ 3/4	≥ 1	≥ 1 1/4	≥ 1 1/2	≥ 1 3/4	≥ 2	≥ 2 1/4	≥ 2 1/2	≥ 2 3/4	≥ 3	≥ 4	≥ 5
≥ 22000	22.4	22.5	23.2	24.4	24.6	25.3	25.6	25.9	26.1	26.2	26.2	26.2	26.2	26.3	26.4
≥ 18000	25.4	25.5	26.3	27.6	28.0	28.7	29.0	29.2	29.4	29.5	29.5	29.5	29.5	29.7	29.8
≥ 12000	25.4	25.5	26.3	27.6	28.0	28.7	29.0	29.2	29.4	29.5	29.5	29.5	29.5	29.7	29.8
≥ 10000	25.4	25.5	26.3	27.8	28.0	28.7	29.0	29.2	29.4	29.5	29.5	29.5	29.5	29.7	29.8
≥ 9000	25.4	25.5	26.3	27.8	28.0	28.7	29.0	29.2	29.4	29.5	29.5	29.5	29.5	29.7	29.8
≥ 8000	25.6	25.9	26.8	28.3	28.5	29.2	29.5	29.8	30.0	30.1	30.1	30.1	30.1	30.2	30.4
≥ 7000	25.4	26.6	27.5	29.1	29.3	30.0	30.3	30.5	30.8	30.9	30.9	30.9	30.9	31.0	31.2
≥ 6000	27.1	27.3	28.2	30.2	30.7	31.4	31.8	32.0	32.2	32.3	32.3	32.3	32.3	32.4	32.7
≥ 5000	27.4	27.6	28.7	30.7	31.1	31.9	32.2	32.4	32.7	32.8	32.8	32.8	32.8	32.9	33.1
≥ 4500	27.6	27.9	28.9	30.9	31.3	32.1	32.4	32.7	32.9	33.0	33.0	33.0	33.0	33.1	33.3
≥ 4000	29.8	30.0	31.1	33.2	33.8	34.7	35.0	35.2	35.5	35.6	35.6	35.6	35.6	35.7	35.9
≥ 3500	33.3	33.6	34.7	36.8	37.3	38.2	38.6	38.8	39.0	39.1	39.1	39.1	39.1	39.2	39.5
≥ 3000	35.0	35.2	36.3	38.8	39.4	40.2	40.6	40.8	41.0	41.1	41.1	41.1	41.1	41.2	41.5
≥ 2500	37.8	38.0	39.4	41.8	42.4	43.3	43.6	43.8	44.0	44.1	44.1	44.1	44.1	44.3	44.5
≥ 2000	40.5	40.8	42.5	45.2	45.7	46.6	46.9	47.2	47.4	47.5	47.6	47.6	47.6	47.7	47.9
≥ 1800	42.7	43.0	44.7	48.0	48.7	49.6	49.9	50.2	50.4	50.5	50.6	50.6	50.6	50.7	50.9
≥ 1500	49.4	49.5	51.8	55.5	56.2	57.3	57.7	58.0	58.2	58.3	58.4	58.4	58.4	58.5	58.8
≥ 1200	50.7	51.2	53.3	57.2	57.9	59.0	59.4	59.6	59.9	60.0	60.1	60.1	60.1	60.2	60.4
≥ 1000	56.5	57.0	59.4	64.0	65.0	66.3	66.8	67.1	67.4	67.6	67.7	67.7	67.7	67.8	68.0
≥ 900	62.2	62.9	65.7	70.6	71.6	72.9	73.4	73.7	74.0	74.1	74.2	74.2	74.2	74.4	74.6
≥ 800	64.7	65.4	68.3	73.6	74.7	76.1	76.7	77.0	77.5	77.7	77.8	77.8	77.8	77.9	78.1
≥ 700	65.6	66.3	69.2	74.6	75.7	77.1	77.7	78.0	78.5	78.7	78.8	78.8	78.8	78.9	79.2
≥ 600	65.9	66.9	69.8	75.6	76.7	78.3	78.8	79.2	79.6	79.8	79.9	79.9	79.9	80.0	80.3
≥ 500	67.2	68.3	71.5	77.9	79.2	80.7	81.4	81.7	82.2	82.4	82.5	82.5	82.5	82.7	82.9
≥ 450	67.3	68.7	72.0	78.9	80.3	82.3	83.1	83.4	83.8	84.1	84.2	84.2	84.2	84.4	84.6
≥ 400	67.3	68.7	72.4	79.6	81.0	84.1	85.1	85.5	86.1	86.3	86.4	86.4	86.4	86.6	86.8
≥ 350	67.4	68.8	72.5	80.7	82.2	85.4	86.5	87.0	87.5	87.7	87.8	87.8	87.8	88.1	88.3
≥ 300	67.4	68.8	72.6	81.3	82.9	86.2	87.4	88.2	88.9	89.1	89.2	89.2	89.2	89.6	90.3
≥ 200	67.4	68.8	72.6	81.3	82.9	86.3	88.1	89.1	90.2	90.9	91.0	91.3	92.0	92.6	95.3
≥ 100	67.4	68.8	72.6	81.3	82.9	86.3	88.1	89.3	90.7	91.4	91.5	92.0	93.0	94.2	99.4
≥ 0	67.6	68.9	72.7	81.4	83.1	86.4	88.2	89.4	90.9	91.5	91.6	92.2	93.2	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 897

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34049 RITBURG AB GERMANY 9-78 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥	20	16	14	12	11	10	9	8	7	6	5	4	3	2½	2
NO CEILING		14.8	15.2	16.0	17.5	17.7	18.2	18.6	18.9	19.1	19.2	19.3	19.3	19.4	19.6	20.3
≥ 22000		17.1	17.7	18.6	20.4	20.7	21.4	21.9	22.2	22.4	22.6	22.7	22.7	22.8	23.0	23.8
≥ 20000		17.2	17.7	18.6	20.4	20.8	21.4	21.9	22.2	22.5	22.6	22.7	22.6	22.9	23.0	23.9
≥ 18000		17.2	17.7	18.6	20.4	20.8	21.4	21.9	22.2	22.5	22.6	22.7	22.6	22.9	23.0	23.9
≥ 17000		17.2	17.7	18.6	20.5	20.8	21.5	21.9	22.3	22.5	22.7	22.7	22.8	22.9	23.0	23.9
≥ 16000		17.4	17.9	18.8	20.7	21.0	21.7	22.2	22.5	22.7	22.9	22.9	23.0	23.1	23.3	24.1
≥ 15000		17.9	18.5	19.5	21.4	21.8	22.5	23.1	23.4	23.6	23.8	23.9	23.9	24.1	24.2	25.1
≥ 14000		18.5	19.2	20.1	22.1	22.5	23.2	23.8	24.1	24.3	24.5	24.6	24.7	24.8	25.0	25.8
≥ 13000		19.7	20.3	21.4	23.5	24.0	24.8	25.3	25.7	25.9	26.1	26.2	26.3	26.4	26.6	27.4
≥ 12000		19.9	20.7	21.7	23.8	24.3	25.1	25.7	26.0	26.3	26.5	26.5	26.6	26.7	26.9	27.8
≥ 11000		20.1	20.9	22.0	24.1	24.6	25.4	25.9	26.3	26.5	26.7	26.8	26.9	27.0	27.2	28.0
≥ 10000		21.5	22.3	23.4	25.7	26.2	27.1	27.7	28.1	28.3	28.5	28.6	28.7	28.8	29.0	29.8
≥ 9000		23.5	24.4	25.6	28.1	28.6	29.6	30.2	30.6	30.8	31.0	31.1	31.2	31.3	31.5	32.4
≥ 8000		25.6	26.5	27.8	30.4	31.0	32.0	32.6	33.0	33.3	33.5	33.5	33.6	33.7	33.9	34.8
≥ 7000		28.0	28.9	30.3	33.1	33.6	34.7	35.3	35.7	36.0	36.2	36.2	36.3	36.5	36.6	37.5
≥ 6500		30.8	31.9	33.4	36.5	37.1	38.2	38.8	39.2	39.5	39.7	39.8	39.9	40.0	40.2	41.1
≥ 6000		33.9	35.2	36.9	40.4	41.1	42.3	42.9	43.4	43.6	43.8	43.9	44.0	44.1	44.3	45.2
≥ 5500		39.9	41.4	43.4	47.2	47.9	49.2	50.0	50.5	50.8	51.0	51.1	51.2	51.4	51.6	52.5
≥ 5000		41.7	43.2	45.2	49.2	49.9	51.3	52.0	52.6	52.9	53.1	53.2	53.4	53.5	53.7	54.6
≥ 4500		47.4	49.1	51.3	56.0	57.0	58.5	59.4	60.0	60.4	60.6	60.7	60.8	60.9	61.1	62.1
≥ 4000		53.0	54.9	57.4	62.5	63.5	65.5	66.5	67.1	67.6	67.8	67.9	68.0	68.1	68.3	69.3
≥ 3500		55.7	58.0	60.6	66.3	67.3	69.5	70.6	71.3	71.8	72.0	72.1	72.2	72.4	72.6	73.5
≥ 3000		56.6	58.9	61.5	67.2	68.3	70.5	71.6	72.3	72.8	73.0	73.1	73.2	73.4	73.6	74.5
≥ 2500		57.8	60.4	63.3	69.4	70.5	72.9	74.1	74.8	75.4	75.6	75.7	75.8	75.9	76.1	77.1
≥ 2000		58.9	61.7	64.8	71.4	72.6	75.1	76.6	77.4	77.9	78.2	78.3	78.4	78.5	78.7	79.7
≥ 1800		59.4	62.2	65.6	72.7	74.0	76.8	78.4	79.2	79.8	80.1	80.2	80.3	80.5	80.7	81.7
≥ 1500		59.7	62.6	66.2	73.9	75.2	78.7	80.6	81.6	82.4	82.6	82.7	82.9	83.0	83.3	84.2
≥ 1000		59.8	62.8	66.5	74.7	76.2	80.2	82.4	83.5	84.5	84.7	84.8	85.0	85.2	85.4	86.4
≥ 800		59.9	62.8	66.6	75.1	76.7	81.0	83.6	85.2	86.6	87.0	87.2	87.4	87.8	88.2	89.6
≥ 700		59.9	62.8	66.6	75.1	76.7	81.1	84.0	86.0	87.8	88.4	88.7	89.3	90.5	91.5	94.2
≥ 600		59.9	62.9	66.6	75.1	76.7	81.2	84.1	86.1	88.1	88.7	89.1	89.7	91.4	93.1	99.7
≥ 0		59.9	62.9	66.7	75.2	76.8	81.2	84.1	86.1	88.2	88.8	89.2	89.8	91.5	93.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7190

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY 8-77 JFC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

	12.5	13.5	14.5	16.9	17.0	18.2	18.7	18.9	19.3	19.3	19.3	19.4	20.1	20.2	20.7
	12.7	14.7	15.6	18.1	18.2	19.4	19.8	20.1	20.5	20.5	20.5	20.6	21.3	21.4	21.9
	13.7	14.7	15.6	18.1	18.2	19.4	19.8	20.1	20.5	20.5	20.5	20.6	21.3	21.4	21.9
	13.7	14.7	15.6	18.1	18.2	19.4	19.8	20.1	20.5	20.5	20.5	20.6	21.3	21.4	21.9
	13.7	14.7	15.6	18.1	18.2	19.4	19.8	20.1	20.5	20.5	20.5	20.6	21.3	21.4	21.9
	13.7	14.7	15.6	18.1	18.2	19.4	19.8	20.1	20.5	20.5	20.5	20.6	21.3	21.4	21.9
	14.3	15.3	16.3	19.0	19.1	20.3	20.7	20.9	21.4	21.4	21.4	21.5	22.1	22.2	22.8
	14.6	15.5	16.6	19.3	19.4	20.6	21.0	21.3	21.7	21.7	21.7	21.8	22.4	22.5	23.1
	16.2	17.2	18.2	21.1	21.3	22.4	22.9	23.1	23.5	23.5	23.5	23.6	24.3	24.4	24.9
	16.3	17.3	18.3	21.3	21.4	22.5	23.0	23.2	23.6	23.6	23.6	23.7	24.4	24.5	25.0
	16.4	17.4	18.4	21.5	21.6	22.8	23.2	23.4	23.8	23.8	23.8	23.9	24.6	24.7	25.2
	16.7	17.7	18.8	21.8	21.9	23.3	23.7	23.9	24.4	24.4	24.4	24.5	25.1	25.2	25.8
	17.6	18.6	20.0	23.0	23.4	24.8	25.2	25.5	25.9	25.9	25.9	26.0	26.6	26.8	27.3
	19.1	20.1	21.7	24.8	25.2	26.8	27.2	27.4	27.8	27.8	27.8	27.9	28.6	28.7	29.2
	20.9	21.9	23.5	27.0	27.4	28.9	29.3	29.7	30.1	30.1	30.1	30.2	30.9	31.0	31.5
	23.3	24.4	26.2	29.7	30.1	31.6	32.3	32.6	33.0	33.0	33.0	33.1	33.8	33.9	34.4
	26.0	27.2	29.2	32.8	33.2	34.7	35.4	35.7	36.1	36.1	36.1	36.2	36.9	37.0	37.5
	30.9	32.3	34.7	38.5	38.9	40.5	41.1	41.4	41.9	41.9	41.9	42.0	42.6	42.7	43.3
	32.8	34.2	36.7	40.7	41.1	42.6	43.3	43.6	44.0	44.0	44.0	44.1	44.8	44.9	45.4
	38.1	39.5	42.3	46.4	46.8	48.3	49.0	49.3	49.7	49.7	49.7	49.8	50.5	50.6	51.1
	42.7	44.9	47.8	52.0	52.6	54.4	55.0	55.4	55.9	55.9	55.9	56.0	56.6	56.7	57.3
	45.0	47.1	50.2	54.6	55.3	57.2	58.1	58.8	59.2	59.2	59.2	59.3	60.0	60.1	60.6
	45.4	47.6	50.6	55.0	55.8	58.4	59.4	60.4	60.8	60.8	60.8	60.9	61.6	61.7	62.2
	46.1	48.3	51.6	56.3	57.1	59.7	60.9	62.0	62.7	62.7	62.7	62.8	63.4	63.5	64.1
	47.9	50.4	53.8	59.7	60.8	63.8	65.0	66.2	67.2	67.2	67.2	67.3	68.0	68.1	68.6
	48.7	51.2	55.2	61.5	62.7	65.7	67.4	68.9	69.9	69.9	69.9	70.0	70.7	70.8	71.3
	49.2	52.0	56.7	64.1	65.4	68.9	70.9	72.4	73.5	73.5	73.6	73.7	74.3	74.4	75.2
	49.9	53.0	58.1	65.8	67.1	71.0	74.0	76.1	77.1	77.2	77.3	77.5	78.3	78.4	79.3
	49.9	53.1	58.4	66.7	68.1	72.8	77.0	79.8	81.4	81.9	82.0	82.2	83.1	83.3	84.1
	49.9	53.2	58.5	66.8	68.2	72.9	77.2	80.3	83.0	83.7	84.1	84.5	86.3	87.7	91.2
	49.9	53.2	58.5	66.8	68.2	72.9	77.3	80.8	83.8	84.9	85.3	85.8	88.6	91.4	99.5
	49.9	53.2	58.5	66.8	68.3	73.0	77.5	80.9	83.9	85.0	85.4	85.9	88.7	91.5	100.0

TOTAL NUMBER OF OBSERVATIONS 927

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

34049 BITBURG AB GERMANY 68-77 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

	11.7	12.4	13.5	15.9	16.2	17.0	17.4	17.6	17.8	17.8	18.0	18.2	18.2	18.6	19.0
	12.6	13.3	14.5	17.1	17.4	18.2	18.6	18.8	19.0	19.0	19.1	19.4	19.4	19.8	20.2
	12.8	13.5	14.7	17.3	17.6	18.4	18.8	19.0	19.2	19.2	19.4	19.6	19.6	20.0	20.4
	12.8	13.5	14.7	17.3	17.6	18.4	18.8	19.0	19.2	19.2	19.4	19.6	19.6	20.0	20.4
	12.8	13.5	14.7	17.3	17.6	18.4	18.8	19.0	19.2	19.2	19.4	19.6	19.6	20.0	20.4
	12.9	13.7	14.8	17.4	17.7	18.5	18.9	19.1	19.4	19.4	19.5	19.7	19.7	20.1	20.5
	12.9	13.9	15.1	17.6	18.0	18.7	19.1	19.4	19.6	19.6	19.7	19.9	19.9	20.3	20.8
	12.9	13.9	15.2	17.7	18.1	18.8	19.2	19.5	19.7	19.7	19.8	20.0	20.0	20.4	20.9
	14.6	15.6	17.0	19.7	20.0	20.8	21.2	21.4	21.6	21.6	21.7	21.9	21.9	22.4	22.8
	14.9	15.9	17.3	20.0	20.3	21.1	21.5	21.7	21.9	21.9	22.0	22.3	22.3	22.7	23.1
	15.3	16.2	17.6	20.3	20.6	21.4	21.8	22.0	22.3	22.3	22.4	22.6	22.6	23.0	23.4
	15.8	16.8	18.2	21.2	21.5	22.3	22.8	23.1	23.3	23.3	23.4	23.7	23.7	24.1	24.5
	18.1	18.9	20.3	23.3	24.2	24.9	25.5	26.0	26.2	26.2	26.3	26.6	26.6	27.0	27.4
	19.8	20.8	22.3	25.6	26.5	27.2	27.7	28.5	28.7	28.7	28.8	29.0	29.0	29.5	29.9
	21.8	22.8	24.3	28.0	28.9	29.7	30.2	31.2	31.4	31.4	31.5	31.7	31.7	32.2	32.6
	23.9	24.8	26.3	30.1	31.1	31.8	32.4	33.4	33.7	33.7	33.8	34.0	34.0	34.5	34.9
	26.0	27.0	28.8	32.8	33.8	34.6	35.2	36.2	36.5	36.5	36.6	36.8	36.8	37.3	37.7
	29.5	30.6	33.0	37.3	38.3	39.1	39.7	40.9	41.1	41.1	41.2	41.4	41.4	41.9	42.4
	31.1	32.3	34.8	39.1	40.1	41.1	41.6	42.8	43.0	43.0	43.1	43.3	43.3	43.9	44.3
	35.1	36.7	39.5	44.1	45.1	46.2	46.8	48.1	48.3	48.3	48.4	48.6	48.6	49.1	49.6
	39.1	41.1	44.4	49.7	50.8	52.2	52.8	54.2	54.5	54.5	54.6	54.8	54.8	55.4	55.8
	41.9	44.3	47.8	53.2	54.3	55.7	56.3	57.8	58.3	58.3	58.4	58.6	58.6	59.1	59.6
	42.4	44.9	48.6	54.1	55.2	56.6	57.5	59.0	59.5	59.5	59.6	59.8	59.8	60.3	60.8
	44.1	46.8	50.5	56.6	57.6	59.6	60.6	62.2	62.6	62.6	62.7	62.9	62.9	63.4	63.9
	45.6	48.5	52.5	59.4	60.5	63.1	64.4	65.9	66.6	66.6	66.7	66.9	66.9	67.4	67.8
	45.7	48.6	52.8	59.9	61.1	63.9	65.3	66.9	67.5	67.5	67.6	67.8	67.8	68.4	68.8
	46.0	49.4	54.0	62.3	63.8	67.4	68.9	70.5	71.5	71.5	71.6	71.8	71.8	72.5	73.4
	46.2	49.7	54.9	64.0	65.7	69.9	72.8	74.9	76.2	76.2	76.3	76.7	76.7	77.3	78.4
	46.2	49.7	55.2	64.7	66.5	71.2	74.7	77.6	79.6	79.8	79.9	80.4	80.4	81.1	82.5
	46.2	49.7	55.2	64.9	66.9	71.9	75.9	79.6	82.4	82.7	83.2	84.2	85.7	87.3	91.4
	46.2	49.7	55.2	64.9	66.9	71.9	75.9	79.7	82.7	83.0	83.9	85.2	88.0	90.4	99.6
	46.2	49.7	55.2	64.9	66.9	71.9	75.9	79.7	82.7	83.0	83.9	85.2	88.0	90.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3404 BITBURG AB GERMANY 5-77 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

	11.7	12.7	14.0	15.6	16.1	17.0	17.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	18.4
	11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
	11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
	11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
	11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
	11.9	12.9	14.2	16.0	16.6	17.6	17.8	18.2	18.2	18.2	18.2	18.2	18.2	18.2	19.0
	12.2	13.1	14.4	16.2	16.8	17.8	18.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4	19.2
	12.5	13.5	14.8	16.6	17.3	18.4	18.6	18.9	18.9	18.9	18.9	18.9	18.9	18.9	19.8
	13.3	14.0	16.1	18.3	18.8	19.9	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.4	21.3
	14.2	15.5	17.3	19.6	20.1	21.2	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.6
	14.2	15.5	17.3	19.6	20.1	21.2	21.4	21.7	21.7	21.7	21.7	21.7	21.7	21.7	22.6
	14.3	15.6	17.4	20.0	20.5	21.6	22.2	22.5	22.5	22.5	22.5	22.5	22.5	22.5	23.3
	16.0	17.4	19.4	22.0	22.8	23.9	24.4	24.7	24.8	24.9	24.9	24.9	24.9	24.9	25.8
	17.3	18.7	20.6	23.3	24.1	25.4	26.0	26.5	26.6	26.7	26.7	26.7	26.7	26.7	27.5
	18.8	20.2	22.2	25.3	26.1	27.8	28.6	29.1	29.2	29.4	29.4	29.4	29.4	29.4	30.2
	20.6	22.0	24.1	27.6	28.5	30.3	31.1	31.8	31.9	32.0	32.0	32.0	32.0	32.0	32.9
	22.3	23.7	25.9	29.8	30.6	32.5	33.2	34.0	34.1	34.2	34.2	34.2	34.2	34.2	35.1
	27.2	28.8	31.3	35.5	36.6	38.7	39.6	40.3	40.5	40.6	40.6	40.6	40.6	40.8	41.6
	29.0	30.8	33.2	37.4	38.5	40.8	41.6	42.4	42.6	42.7	42.7	42.7	42.8	42.9	43.8
	33.2	35.3	37.7	42.2	43.2	45.5	46.5	47.3	47.5	47.6	47.6	47.6	47.8	48.0	48.8
	37.4	39.7	42.5	47.4	48.8	51.5	52.7	53.7	53.9	54.0	54.0	54.0	54.2	54.3	55.2
	40.9	43.4	47.1	52.4	53.9	56.6	57.8	58.8	59.1	59.2	59.2	59.2	59.5	59.6	60.4
	41.2	44.2	47.8	53.3	54.9	57.8	59.6	60.5	60.9	61.0	61.0	61.0	61.2	61.3	62.2
	42.0	45.2	48.9	54.9	56.6	59.7	61.4	62.4	62.8	62.9	62.9	62.9	63.1	63.2	64.1
	43.2	46.8	50.6	57.2	59.0	62.5	64.5	65.5	65.9	66.0	66.0	66.0	66.2	66.3	67.2
	43.7	47.2	51.4	58.1	59.9	63.7	65.9	66.9	67.3	67.4	67.4	67.4	67.6	67.7	68.6
	44.8	48.9	53.4	61.2	63.3	66.0	70.4	71.5	72.5	72.6	72.6	72.6	72.9	73.2	74.1
	45.3	49.4	54.2	62.6	64.7	69.9	73.3	75.3	76.7	76.9	76.9	76.9	77.2	77.5	78.4
	45.4	49.5	54.5	63.3	65.6	71.3	75.6	77.7	79.5	80.1	80.4	80.5	81.0	81.3	82.4
	45.4	49.6	54.6	63.5	65.8	71.5	76.5	79.8	82.3	83.8	84.4	85.4	87.1	88.6	92.8
	45.4	49.6	54.6	63.5	65.8	71.6	76.6	79.9	82.7	84.3	85.1	86.1	89.1	91.6	99.8
	45.4	49.6	54.6	63.5	65.8	71.6	76.6	79.9	82.7	84.3	85.1	86.1	89.1	91.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34094 BITBURG AB GERMANY 68-77 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES)															
	2	2½	3	4	5	6	7	8	9	10			25	30	35	
	9.1	10.9	12.4	14.3	14.5	14.7	15.1	15.3	15.8	15.8	15.9	16.0	16.3	16.4	16.6	
	10.8	12.6	14.5	17.1	17.2	17.5	18.0	18.3	18.8	18.8	18.9	19.1	19.3	19.4	19.6	
	10.9	12.9	14.6	17.2	17.3	17.7	18.1	18.4	18.9	18.	19.1	19.2	19.4	19.5	19.7	
	11.0	13.0	14.7	17.3	17.4	17.8	18.2	18.5	19.1	19.1	19.2	19.3	19.5	19.6	19.8	
	11.1	13.1	14.9	17.4	17.5	17.9	18.3	18.6	19.2	19.2	19.3	19.4	19.6	19.7	19.9	
	11.1	13.1	14.9	17.6	17.9	18.2	18.6	18.9	19.5	19.5	19.6	19.8	20.0	20.1	20.3	
	11.7	13.8	15.5	18.5	18.6	18.9	19.4	19.7	20.2	20.2	20.3	20.6	20.8	20.9	21.1	
	11.7	13.8	15.6	18.6	18.7	19.2	19.6	19.9	20.5	20.5	20.6	20.8	21.0	21.1	21.3	
	12.1	14.1	16.1	19.0	20.0	20.5	20.9	21.2	21.7	21.7	21.9	22.1	22.3	22.4	22.6	
	12.4	14.4	16.5	20.1	20.5	20.9	21.4	21.7	22.3	22.3	22.4	22.6	22.8	22.9	23.1	
	12.4	14.4	16.5	20.1	20.5	20.9	21.4	21.7	22.3	22.3	22.4	22.6	22.8	22.9	23.1	
	12.6	14.7	17.2	21.1	21.5	22.0	22.5	22.9	23.6	23.6	23.7	23.9	24.1	24.2	24.4	
	13.5	15.6	18.1	22.1	22.5	23.0	23.7	24.1	24.8	24.8	24.9	25.1	25.4	25.5	25.7	
	14.2	16.7	19.3	23.2	23.7	24.2	24.9	25.4	26.0	26.0	26.2	26.4	26.7	26.8	27.0	
	14.4	16.9	21.6	26.2	26.7	27.4	28.5	29.2	30.1	30.1	30.2	30.5	30.9	31.0	31.2	
	19.7	21.5	24.3	29.1	29.6	30.6	31.6	32.3	33.3	33.3	33.4	33.6	34.1	34.2	34.4	
	21.0	23.8	26.6	32.0	32.5	33.8	35.0	36.0	36.9	36.9	37.0	37.2	37.8	37.9	38.1	
	25.7	28.0	30.9	36.6	37.4	39.1	40.7	41.8	42.9	42.9	43.1	43.6	44.1	44.2	44.5	
	26.2	29.5	32.5	38.3	39.1	41.8	42.5	43.6	44.8	44.8	44.9	45.4	46.0	46.1	46.3	
	29.6	33.3	36.6	43.1	43.8	46.2	48.1	49.4	50.6	50.6	50.7	51.2	51.8	52.0	52.2	
	32.1	36.0	39.7	47.0	48.1	50.6	52.9	54.1	55.3	55.3	55.4	56.0	56.6	56.8	57.1	
	33.9	38.3	42.9	50.7	51.9	54.7	56.9	58.4	59.6	59.7	59.8	60.4	61.1	61.4	61.6	
	33.9	38.4	43.3	51.1	52.3	55.3	57.7	59.3	60.5	60.6	60.7	61.2	62.0	62.2	62.4	
	35.1	39.8	45.2	54.2	55.5	58.7	61.2	63.0	64.2	64.3	64.4	64.9	65.7	65.9	66.2	
	35.7	41.0	46.6	56.5	57.8	61.0	64.4	66.5	67.9	68.1	68.4	68.9	69.6	69.9	70.2	
	36.3	41.6	47.4	57.7	59.1	62.8	66.5	68.9	70.4	70.6	70.8	71.4	72.1	72.4	72.8	
	36.7	42.1	48.0	59.0	60.4	64.3	68.7	71.3	73.1	73.5	73.7	74.5	75.2	75.6	75.9	
	36.8	42.3	48.3	59.4	60.8	65.2	70.6	73.8	76.0	76.7	77.0	77.6	78.6	78.9	79.2	
	36.8	42.3	48.3	59.6	61.0	66.3	72.4	76.2	80.0	81.7	82.0	82.9	83.9	84.2	84.9	
	36.8	42.3	48.3	59.8	61.2	66.6	72.9	77.0	82.1	84.1	85.1	86.3	88.5	90.2	94.5	
	36.8	42.3	48.3	59.8	61.2	66.6	72.9	77.0	82.1	84.2	85.4	86.7	89.6	91.7	99.8	
	36.8	42.3	48.3	59.8	61.2	66.6	72.9	77.0	82.1	84.2	85.4	86.7	89.6	91.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR LAT'ER SERVICE/MAC

CEILING VERSUS VISIBILITY

34046 BITBURG AB GERMANY 8-77 HRS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

	12.3	14.1	14.7	15.8	15.8	16.2	16.8	17.2	17.7	17.7	17.7	17.7	17.7	17.7	18.2
	13.4	15.3	16.0	17.7	17.7	18.3	18.8	19.2	19.8	19.8	19.8	19.8	19.8	19.8	20.2
	13.4	15.4	16.3	18.1	18.1	18.6	19.1	19.6	20.1	20.2	20.1	20.1	20.1	20.1	20.5
	13.4	15.4	16.3	18.1	18.1	18.6	19.1	19.6	20.1	20.1	20.1	20.1	20.1	20.1	20.5
	13.5	15.5	16.5	18.2	18.2	18.7	19.2	19.7	20.2	20.2	20.2	20.2	20.2	20.2	20.6
	13.5	15.5	16.5	18.2	18.2	18.7	19.2	19.7	20.2	20.2	20.2	20.2	20.2	20.2	20.6
	13.9	15.8	17.0	19.1	19.1	19.7	20.2	20.6	21.2	21.2	21.2	21.2	21.2	21.2	21.6
	14.0	15.9	17.2	19.4	19.5	20.0	20.5	21.0	21.5	21.5	21.5	21.5	21.5	21.5	21.9
	14.6	16.6	18.5	20.6	20.9	21.4	21.9	22.4	22.9	22.9	22.9	22.9	22.9	22.9	23.3
	14.8	16.8	19.0	21.3	21.4	21.9	22.5	22.9	23.4	23.4	23.4	23.4	23.4	23.4	23.9
	14.8	16.8	19.0	21.3	21.4	21.9	22.5	22.9	23.	23.4	23.4	23.4	23.4	23.4	23.9
	15.2	17.2	19.6	21.8	21.9	22.5	23.1	23.5	24.1	24.1	24.1	24.1	24.1	24.1	24.5
	15.4	17.5	19.9	22.2	22.3	22.8	23.4	23.9	24.4	24.4	24.4	24.4	24.4	24.4	24.8
	16.0	18.0	21.4	24.1	24.2	24.9	25.7	26.2	26.8	26.8	26.8	26.8	26.8	26.8	27.2
	18.9	21.5	24.3	27.3	27.5	28.7	29.5	30.3	30.9	30.9	30.9	30.9	31.0	31.0	31.4
	20.9	23.7	26.5	29.7	29.9	31.4	32.2	33.0	33.5	33.5	33.5	33.5	33.7	33.7	34.1
	23.7	26.7	29.7	33.2	33.4	35.9	36.9	38.0	38.5	38.5	38.5	38.5	38.6	38.6	39.0
	28.1	31.4	34.8	39.0	39.2	42.2	43.4	44.5	45.3	45.4	45.4	45.4	45.5	45.5	45.9
	29.5	32.8	36.3	40.6	40.9	43.8	45.1	46.1	47.0	47.1	47.1	47.1	47.2	47.2	47.6
	35.1	38.8	42.7	47.1	47.3	51.0	52.4	53.7	54.6	54.7	54.7	54.7	54.8	54.8	55.3
	38.6	42.7	46.9	51.7	52.4	56.2	58.1	59.5	60.4	60.6	60.6	60.6	60.8	60.8	61.2
	40.4	45.1	49.4	55.1	55.8	60.3	62.7	64.2	65.2	65.4	65.4	65.4	65.5	65.5	65.9
	40.5	45.4	50.0	56.2	57.1	61.6	64.0	65.6	66.7	66.9	66.9	66.9	67.0	67.0	67.4
	41.6	46.7	51.8	58.8	59.8	64.7	67.2	69.0	70.2	70.4	70.4	70.4	70.6	70.6	71.1
	41.9	47.3	53.0	61.1	62.0	67.4	69.9	71.8	73.0	73.2	73.2	73.2	73.4	73.4	74.0
	42.3	47.8	53.9	62.3	63.2	68.7	71.7	73.9	75.1	75.3	75.3	75.3	75.5	75.5	76.0
	42.4	48.1	54.2	64.0	65.1	71.1	74.3	77.0	78.2	78.7	78.7	78.7	78.9	78.9	79.5
	42.6	48.3	54.5	64.5	65.8	72.4	76.1	79.6	81.0	81.5	81.8	82.0	82.3	82.3	82.8
	42.6	48.3	54.5	64.7	66.3	74.1	78.3	81.9	84.2	84.9	85.7	86.1	86.5	86.7	87.4
	42.7	48.4	54.6	64.8	66.5	74.2	78.4	82.4	85.3	86.2	88.2	89.0	90.4	92.0	95.1
	42.7	48.4	54.6	64.8	66.5	74.2	78.4	82.4	85.3	86.3	88.5	89.6	91.4	93.4	99.7
	42.8	48.5	54.7	64.9	66.6	74.3	78.5	82.5	85.4	86.5	88.6	89.7	91.5	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34045 BITBURG AB GERMANY 8-77 [illegible]C

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

	17.4	13.9	14.5	16.0	16.1	16.7	17.1	17.3	17.8	17.9	18.0	18.0	18.0	18.0	1 .4
	17.7	15.2	15.9	18.0	18.8	19.7	20.1	20.3	20.8	20.9	21.0	21.0	21.0	21.0	21.4
	18.0	15.5	16.4	19.2	19.4	20.2	20.7	20.9	21.3	21.4	21.5	21.5	21.5	21.5	22.0
	18.0	15.5	16.4	19.2	19.4	20.2	20.7	20.9	21.3	21.4	21.5	21.5	21.5	21.5	22.0
	18.2	15.7	16.6	19.4	19.6	20.5	20.9	21.1	21.5	21.6	21.7	21.7	21.7	21.7	22.2
	18.5	16.0	16.9	19.7	19.9	20.8	21.2	21.4	21.9	22.0	22.1	22.1	22.1	22.1	22.5
	19.2	16.7	17.7	21.3	21.6	22.6	23.0	23.3	23.7	23.8	23.9	23.9	23.9	23.9	24.3
	19.4	17.0	18.3	22.0	22.3	23.3	23.7	23.9	24.3	24.4	24.5	24.5	24.5	24.5	25.0
	19.3	18.0	20.0	23.7	24.0	25.0	25.4	25.6	26.0	26.2	26.3	26.3	26.3	26.3	26.7
	19.6	18.3	20.5	24.1	24.4	25.4	25.8	26.0	26.5	26.6	26.7	26.7	26.7	26.7	27.1
	19.7	18.4	20.6	24.2	24.5	25.6	26.0	26.3	26.7	26.8	26.9	26.9	26.9	26.9	27.3
	20.3	19.1	21.3	25.0	25.3	26.4	26.8	27.0	27.4	27.6	27.7	27.7	27.7	27.7	28.1
	21.1	19.9	22.4	26.0	26.5	27.6	28.0	28.4	29.0	29.1	29.2	29.2	29.2	29.2	29.6
	21.3	21.1	23.9	27.6	28.3	29.4	29.8	30.2	30.8	30.9	31.0	31.0	31.0	31.0	31.4
	24.1	22.9	25.7	29.9	30.5	31.9	32.3	32.7	33.3	33.4	33.5	33.5	33.5	33.5	33.9
	24.5	26.7	30.0	34.3	35.1	37.0	37.7	38.1	38.8	38.9	39.0	39.0	39.0	39.0	39.4
	27.7	30.0	33.9	38.5	39.3	41.7	42.4	42.8	43.6	43.7	43.8	43.8	43.8	43.8	44.2
	32.5	34.9	39.3	44.2	45.2	47.9	48.7	49.3	50.1	50.2	50.3	50.3	50.3	50.3	50.7
	33.5	36.1	40.6	45.5	46.5	49.2	49.9	50.6	51.3	51.5	51.6	51.6	51.6	51.6	52.0
	38.2	41.3	46.4	52.1	53.2	56.0	56.8	57.7	58.7	58.8	58.9	58.9	58.9	58.9	59.3
	42.4	46.1	51.8	57.9	59.2	62.4	63.6	64.6	65.6	65.8	65.9	65.9	65.9	65.9	66.3
	43.5	47.4	53.3	59.6	60.9	64.3	65.7	67.0	68.1	68.5	68.6	68.6	68.6	68.6	69.0
	43.9	48.2	54.1	60.7	62.2	65.6	67.2	68.5	69.6	70.0	70.1	70.1	70.1	70.1	70.5
	44.8	49.2	55.4	62.2	63.7	67.5	69.3	71.2	72.7	73.0	73.1	73.1	73.1	73.1	73.5
	45.1	49.7	56.5	63.6	65.3	69.4	71.4	73.3	75.0	75.5	75.6	75.6	75.6	75.6	76.0
	45.4	50.2	57.2	65.0	66.6	71.2	73.2	75.3	77.2	77.7	77.8	77.8	77.8	77.8	78.3
	45.4	50.3	57.3	65.3	67.2	72.3	74.6	77.1	79.1	79.7	79.9	79.9	79.9	79.9	80.3
	45.5	50.4	57.4	65.7	67.7	73.8	76.7	79.5	81.9	82.6	82.8	82.8	82.8	82.8	83.2
	45.5	50.4	57.5	65.8	67.8	74.6	77.7	81.1	84.3	85.7	86.0	86.2	86.4	86.4	87.2
	45.5	50.4	57.5	65.8	67.8	74.6	77.8	81.3	84.7	86.4	87.4	88.3	89.8	90.6	94.3
	45.5	50.4	57.5	65.8	67.8	74.6	77.8	81.3	84.8	86.7	87.7	88.8	90.7	92.1	99.6
	45.5	50.4	57.5	65.8	67.8	74.6	77.8	81.3	84.8	86.7	87.7	88.8	90.7	92.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

CEILING VERSUS VISIBILITY

3406[illegible] BITBURG AB GER ANY 8-77 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

	15.1	16.1	17.4	18.9	19.0	19.4	19.9	20.2	20.2	20.3	20.4	20.5	20.8	20.9	21.1
	14.8	17.6	19.5	21.2	21.5	22.0	22.6	22.9	22.9	23.0	23.1	23.2	23.4	23.5	23.8
	17.0	18.1	19.7	21.4	21.7	22.3	22.8	23.1	23.1	23.2	23.3	23.4	23.7	23.8	24.0
	17.0	18.1	19.7	21.4	21.7	22.3	22.8	23.1	23.1	23.2	23.3	23.4	23.7	23.8	24.0
	17.1	18.2	19.9	21.6	21.9	22.5	23.0	23.3	23.3	23.4	23.5	23.7	23.9	24.0	24.2
	17.3	18.4	20.1	21.8	22.2	22.8	23.2	23.5	23.5	23.7	23.8	23.9	24.1	24.2	24.4
	19.4	19.7	21.4	23.4	23.8	24.3	24.8	25.2	25.2	25.3	25.4	25.5	25.7	25.8	26.0
	19.8	20.1	21.8	23.9	24.2	24.7	25.3	25.6	25.6	25.7	25.8	25.9	26.1	26.2	26.5
	19.8	21.2	23.0	25.2	25.5	26.0	26.6	26.9	26.9	27.0	27.1	27.2	27.4	27.5	27.7
	20.2	21.6	23.4	25.6	25.9	26.5	27.0	27.3	27.3	27.4	27.5	27.6	27.8	28.0	28.2
	20.2	21.6	23.4	25.6	25.9	26.5	27.0	27.3	27.3	27.4	27.5	27.6	27.8	28.0	28.2
	20.2	21.6	23.4	25.6	25.9	26.5	27.0	27.3	27.3	27.4	27.5	27.6	27.8	28.0	28.2
	21.5	22.9	24.9	27.2	27.6	28.2	28.7	29.2	29.4	29.5	29.6	29.7	29.9	30.0	30.2
	22.8	24.2	26.5	28.7	29.1	29.7	30.2	30.8	30.9	31.0	31.1	31.2	31.4	31.5	31.7
	25.5	27.0	29.4	31.7	32.2	32.9	33.4	34.0	34.1	34.2	34.3	34.4	34.6	34.7	34.9
	29.2	29.8	32.3	35.3	35.8	36.7	37.3	37.8	38.0	38.1	38.2	38.3	38.5	38.6	38.8
	30.1	31.9	34.8	37.8	38.4	39.4	40.0	40.5	40.6	40.8	40.9	41.0	41.2	41.3	41.5
	37.1	39.1	42.5	46.0	46.7	47.8	48.5	49.0	49.1	49.2	49.4	49.5	49.7	49.8	50.0
	38.0	40.0	43.4	47.1	47.7	49.0	49.7	50.3	50.4	50.5	50.6	50.8	51.0	51.1	51.3
	42.4	45.1	49.4	54.0	54.6	56.2	57.0	57.6	57.7	57.8	58.0	58.1	58.3	58.4	58.6
	45.8	48.7	53.7	58.6	59.2	61.1	62.0	62.9	63.0	63.1	63.2	63.3	63.5	63.7	63.9
	48.3	51.7	57.1	63.2	63.9	66.1	67.6	68.7	68.9	69.0	69.1	69.2	69.5	69.6	69.8
	48.3	51.8	57.2	63.5	64.2	66.5	68.1	69.2	69.5	69.6	69.7	69.8	70.0	70.1	70.3
	49.2	53.2	58.9	65.4	66.1	68.4	70.3	71.6	71.8	71.9	72.0	72.2	72.4	72.5	72.7
	50.1	54.3	60.2	67.6	68.4	70.9	73.0	74.3	74.5	74.6	74.7	74.8	75.1	75.2	75.4
	50.4	54.9	60.5	69.0	70.0	72.7	74.9	76.2	77.1	77.2	77.3	77.4	77.6	77.7	78.0
	50.9	55.1	61.3	70.5	71.6	74.5	77.2	78.8	80.0	80.1	80.2	80.3	80.5	80.6	80.9
	50.9	55.2	61.5	71.3	72.5	76.0	79.0	80.9	82.3	82.5	82.9	83.0	83.2	83.3	83.5
	50.9	55.2	61.5	71.3	72.5	76.2	79.4	81.4	83.7	84.0	84.4	84.5	84.7	85.2	85.4
	50.9	55.2	61.5	71.7	72.9	77.0	80.5	83.3	86.3	86.7	87.1	87.7	88.9	90.5	93.5
	50.9	55.2	61.5	71.7	72.9	77.0	80.5	83.5	86.8	87.1	87.7	88.6	90.6	93.0	99.6
	50.9	55.2	61.5	71.7	72.9	77.0	80.5	83.5	86.8	87.1	87.7	88.6	90.6	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC [illegible] 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34043 BITBURG AB GERMANY 68-77 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

	17.0	17.0	18.5	20.5	21.1	21.3	21.7	21.7	21.9	21.9	22.0	22.0	22.3	22.6	23.3
	17.4	18.3	19.1	21.3	22.0	22.3	22.7	22.7	22.9	22.9	23.1	23.1	23.3	23.7	24.4
	17.8	18.5	19.4	21.5	22.3	22.5	22.9	22.9	23.1	23.1	23.3	23.3	23.5	23.9	24.6
	17.8	18.5	19.4	21.5	22.3	22.5	22.9	22.9	23.1	23.1	23.3	23.3	23.5	23.9	24.6
	17.8	18.5	19.4	21.5	22.3	22.5	22.9	22.9	23.1	23.1	23.3	23.3	23.5	23.9	24.6
	18.2	18.8	19.7	21.8	22.6	22.8	23.2	23.2	23.4	23.4	23.7	23.7	23.9	24.2	24.9
	19.1	19.8	20.6	22.8	23.5	23.8	24.2	24.2	24.4	24.4	24.6	24.6	24.8	25.2	25.9
	20.1	20.8	21.6	23.8	24.5	24.7	25.2	25.2	25.4	25.4	25.6	25.6	25.8	26.1	26.9
	20.9	21.5	22.4	24.7	25.5	25.7	26.1	26.1	26.3	26.3	26.6	26.6	26.8	27.1	27.9
	21.3	21.9	22.8	25.2	25.9	26.1	26.6	26.6	26.8	26.8	27.0	27.0	27.2	27.5	28.3
	21.4	22.0	22.9	25.3	26.0	26.2	26.7	26.7	26.9	26.9	27.1	27.1	27.3	27.6	28.4
	21.7	22.4	23.4	25.8	26.6	26.8	27.3	27.3	27.5	27.5	27.7	27.7	28.0	28.3	29.0
	22.4	23.0	24.4	26.8	27.5	27.7	28.4	28.5	28.7	28.7	28.9	28.9	29.1	29.5	30.2
	24.6	25.4	26.8	29.1	29.9	30.1	30.8	30.9	31.1	31.1	31.3	31.3	31.5	31.8	32.6
	26.5	27.2	28.6	31.0	31.9	32.2	32.9	33.0	33.3	33.3	33.5	33.5	33.8	34.1	34.8
	29.2	30.1	31.5	34.4	35.5	35.7	36.5	36.6	36.9	36.9	37.1	37.1	37.3	37.6	38.4
	31.3	32.2	34.4	37.4	38.5	38.9	39.8	40.0	40.3	40.3	40.5	40.5	40.8	41.1	41.8
	35.1	36.1	38.6	42.2	43.2	43.8	44.6	44.8	45.2	45.2	45.4	45.4	45.6	45.9	46.7
	36.6	37.7	40.2	43.8	44.8	45.4	46.2	46.6	46.9	46.9	47.1	47.1	47.3	47.6	48.4
	41.7	43.0	46.2	50.0	51.1	51.7	52.7	53.1	53.4	53.4	53.7	53.7	53.9	54.2	54.9
	45.4	47.3	50.9	55.2	56.2	57.0	58.0	58.5	58.8	58.8	59.0	59.0	59.2	59.6	60.3
	47.7	49.9	53.8	58.8	59.9	60.6	62.0	62.6	63.0	63.0	63.2	63.2	63.4	63.8	64.5
	48.1	50.5	54.7	60.0	61.2	62.2	63.7	64.3	64.7	64.7	64.9	64.9	65.2	65.5	66.2
	48.6	51.1	55.7	61.4	62.6	64.0	65.8	66.9	67.3	67.3	67.5	67.5	67.7	68.1	68.8
	50.2	52.7	57.5	63.9	65.1	66.7	68.5	69.9	70.3	70.4	70.6	70.6	70.9	71.2	71.9
	50.9	53.4	58.9	65.7	67.0	69.0	71.0	72.5	73.0	73.1	73.3	73.3	73.5	73.9	74.6
	51.2	53.9	59.6	67.2	68.5	71.4	73.7	75.3	75.8	76.0	76.2	76.2	76.5	76.8	77.5
	51.4	54.3	60.1	68.3	69.7	72.9	75.7	77.5	78.2	78.7	78.9	78.9	79.1	79.5	80.2
	51.5	54.5	60.4	69.1	70.6	74.6	77.8	80.3	81.5	82.2	82.5	82.5	82.7	83.0	83.8
	51.5	54.5	60.4	69.1	70.6	74.6	78.5	81.4	83.8	84.6	85.1	85.9	88.0	89.6	91.8
	51.5	54.5	60.4	69.1	70.6	74.6	78.5	81.7	84.3	85.4	86.5	87.6	90.4	93.2	99.5
	51.5	54.5	60.4	69.1	70.6	74.6	78.5	81.7	84.3	85.4	86.5	87.6	90.4	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF-ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3400 | BITBURG, GERMANY | 6-77 | DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

	17.7	18.5	19.3	19.8	20.0	20.6	18.0	18.2	18.5	18.5	18.6	18.7	18.8	19.0	19.5
	19.8	15.0	16.2	16.4	18.7	19.4	19.8	20.1	20.4	20.4	20.5	20.5	20.7	20.8	21.3
	19.9	15.2	16.4	18.6	18.9	19.6	20.0	20.3	20.6	20.6	20.7	20.7	20.9	21.0	21.5
	14.0	15.2	16.4	18.6	18.9	19.6	20.0	20.3	20.6	20.8	20.7	20.8	20.9	21.0	21.5
	14.0	15.3	16.5	18.7	19.0	19.7	20.1	20.4	20.7	20.7	20.8	20.8	21.0	21.1	21.6
	14.1	15.4	16.6	18.9	19.2	19.8	20.3	20.5	20.8	20.8	20.9	21.0	21.2	21.3	21.8
	14.7	16.0	17.2	19.6	20.1	20.8	21.2	21.5	21.7	21.8	21.9	21.9	22.1	22.2	22.7
	15.2	16.3	17.5	20.2	20.5	21.2	21.6	21.9	22.2	22.2	22.3	22.4	22.5	22.7	23.2
	16.0	17.3	18.9	21.7	22.0	22.7	23.1	23.4	23.7	23.7	23.8	23.9	24.0	24.2	24.7
	16.3	17.7	19.4	22.1	22.5	23.2	23.6	23.9	24.2	24.2	24.3	24.4	24.5	24.7	25.2
	16.4	17.8	19.5	22.2	22.6	23.3	23.8	24.0	24.3	24.3	24.4	24.5	24.7	24.8	25.3
	16.7	18.1	19.9	22.6	23.1	23.9	24.4	24.7	25.0	25.0	25.1	25.2	25.4	25.5	26.0
	17.9	19.2	21.2	24.1	24.6	25.4	25.9	26.3	26.6	26.7	26.8	26.8	27.0	27.2	27.6
	18.1	20.7	22.8	25.8	26.4	27.2	27.8	28.2	28.6	28.6	28.7	28.8	29.0	29.1	29.6
	21.2	22.8	24.9	28.3	28.9	29.9	30.6	31.1	31.6	31.6	31.7	31.8	32.0	32.1	32.6
	23.7	25.4	27.7	31.3	31.9	33.1	33.9	34.5	34.9	34.9	35.0	35.1	35.3	35.4	35.9
	26.0	27.8	30.4	34.3	35.0	36.4	37.2	37.9	38.3	38.4	38.5	38.5	38.7	38.9	39.4
	28.7	32.7	35.6	39.9	40.7	42.4	43.3	44.0	44.5	44.6	44.6	44.6	45.0	45.1	45.6
	32.1	34.2	37.2	41.6	42.3	44.1	45.0	45.7	46.3	46.3	46.4	46.5	46.7	46.9	47.4
	36.7	39.1	42.6	47.4	48.1	50.1	51.1	52.0	52.6	52.6	52.7	52.8	53.1	53.2	53.7
	40.4	43.3	47.2	52.4	53.4	55.7	56.9	57.9	58.4	58.5	58.6	58.7	59.0	59.1	59.6
	42.7	45.9	50.2	56.0	57.0	59.4	60.9	62.0	62.7	62.8	62.9	63.0	63.3	63.4	63.9
	43.0	46.4	50.8	56.8	57.9	60.5	62.1	63.4	64.0	64.1	64.2	64.3	64.6	64.8	65.3
	43.9	47.5	52.3	58.7	59.9	62.8	64.6	66.0	66.8	66.9	67.0	67.1	67.4	67.5	68.0
	45.0	48.6	53.9	61.1	62.4	65.6	67.6	69.2	70.1	70.2	70.3	70.4	70.7	70.9	71.4
	45.4	49.3	54.7	62.4	63.7	67.2	69.5	71.2	72.2	72.3	72.4	72.6	72.8	73.0	73.5
	45.8	50.0	55.6	64.2	65.6	69.7	72.3	74.2	75.5	75.7	75.8	76.0	76.3	76.5	77.1
	46.1	50.3	56.1	65.2	66.8	71.4	74.8	77.2	78.7	79.0	79.2	79.4	79.8	80.0	80.6
	46.1	50.4	56.3	65.7	67.3	72.6	76.6	79.5	81.8	82.5	82.9	83.2	83.6	83.9	84.7
	46.1	50.4	56.3	65.8	67.5	72.9	77.2	80.6	83.7	84.8	85.6	86.4	88.1	89.6	93.1
	46.1	50.4	56.3	65.8	67.5	72.9	77.2	80.8	84.1	85.2	86.3	87.3	89.8	92.1	99.6
	46.1	50.4	56.3	65.8	67.5	73.0	77.3	80.8	84.1	85.3	86.3	87.3	89.8	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3404 PITTSBURGH INTERNATIONAL ARPT PA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

27.9	28.7	30.1	32.1	32.4	33.3	33.8	34.0	34.2	34.3	34.4	34.4	34.5	34.7	34.9	
32.1	33.4	34.8	37.2	37.5	38.5	39.1	39.4	39.6	39.7	39.7	39.8	39.9	40.1	40.3	
32.3	33.6	35.0	37.3	37.7	38.7	39.2	39.5	39.8	39.9	39.9	40.0	40.1	40.2	40.6	
32.3	33.6	35.2	37.4	37.7	38.7	39.3	39.6	39.8	39.9	39.9	40.0	40.1	40.3	40.6	
32.4	33.7	35.1	37.6	37.8	38.8	39.4	39.7	39.9	40.0	40.0	40.1	40.3	40.4	40.7	
32.9	34.2	35.6	38.0	38.4	39.5	40.0	40.3	40.5	40.6	40.7	40.8	40.9	41.0	41.4	
34.5	35.9	37.4	39.9	41.3	42.4	42.8	42.3	42.5	42.6	42.7	42.8	42.9	43.0	43.4	
35.4	36.9	38.4	41.0	41.4	42.5	43.1	43.4	43.7	43.7	43.8	43.9	44.0	44.2	44.5	
37.7	39.3	41.0	43.6	44.3	45.5	46.1	46.5	46.7	46.8	46.9	47.0	47.1	47.2	47.6	
38.5	40.1	41.9	44.6	45.2	46.4	47.0	47.4	47.7	47.8	47.9	47.9	48.1	48.2	48.6	
39.9	40.5	42.3	45.2	45.6	46.9	47.5	47.9	48.1	48.2	48.3	48.4	48.5	48.7	49.0	
40.6	42.3	44.2	47.2	47.7	49.0	49.6	50.0	50.3	50.4	50.5	50.5	50.7	50.8	51.2	
42.7	44.6	46.8	50.0	50.5	51.8	52.5	52.9	53.2	53.3	53.3	53.4	53.6	53.7	54.1	
45.5	47.5	49.5	52.9	53.5	54.9	55.6	56.1	56.4	56.5	56.5	56.6	56.8	57.0	57	
48.2	50.3	52.4	56.0	56.5	58.0	58.8	59.3	59.6	59.7	59.8	59.9	60.0	60.2	60.	
51.1	53.3	55.6	59.4	60.0	61.6	62.3	62.8	63.2	63.3	63.4	63.5	63.6	63.8	64.2	
53.7	56.1	58.5	62.5	63.2	64.8	65.7	66.2	66.5	66.7	66.7	66.8	67.0	67.2	67.5	
57.4	59.9	62.6	67.0	67.7	69.5	70.4	71.0	71.3	71.4	71.5	71.6	71.8	72.0	72.3	
58.4	60.9	63.7	68.2	68.9	70.8	71.7	72.3	72.7	72.8	72.9	73.0	73.2	73.3	73.7	
61.6	64.4	67.4	72.4	73.1	75.2	76.2	76.8	77.3	77.4	77.5	77.6	77.8	77.9	78.3	
64.1	67.1	70.5	75.9	76.7	78.0	80.1	80.8	81.2	81.4	81.4	81.6	81.7	81.9	82.3	
65.5	68.7	72.3	78.2	79.1	81.5	82.8	83.6	84.1	84.2	84.3	84.4	84.6	84.8	85.1	
65.9	69.1	72.9	78.8	79.8	82.3	83.6	84.4	84.9	85.0	85.1	85.2	85.4	85.6	86.0	
66.5	69.9	73.8	80.1	81.1	83.8	85.2	86.1	86.7	86.8	86.9	87.0	87.2	87.4	87.8	
67.0	70.5	74.6	81.3	82.3	85.2	86.8	87.8	88.4	88.5	88.6	88.7	88.9	89.1	89.5	
67.3	70.6	75.0	82.0	83.1	86.2	87.8	88.9	89.5	89.7	89.8	89.9	90.1	90.3	90.7	
67.5	71.1	75.4	82.7	83.9	87.3	89.1	90.4	91.1	91.3	91.5	91.6	91.8	92.0	92.4	
67.5	71.2	75.5	83.1	84.3	87.9	90.0	91.4	92.3	92.6	92.7	92.9	93.2	93.3	93.8	
67.6	71.2	75.6	83.2	84.5	88.3	90.6	92.2	93.5	93.8	94.0	94.3	94.6	94.9	95.4	
67.6	71.2	75.6	83.3	84.5	88.4	90.8	92.6	94.1	94.5	94.9	95.3	96.0	96.6	97.8	
67.6	71.2	75.6	83.3	84.5	88.4	90.8	92.6	94.2	94.6	95.0	95.5	96.5	97.5	99.8	
67.6	71.2	75.6	83.3	84.5	88.4	90.8	92.6	94.2	94.7	95.1	95.5	96.5	97.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 86512

USAFETAC FORM 0-8-65 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART D SKY COVER

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

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

3. 9 (STAT) BITBURG AB GERMANY (STATION NAME) 59-71 (PERIOD) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	1.9	3.4		4.8	5.8	4.3	2.4		1.9	3.9	71.5	8.4	207
	03-05	1.0	3.8		4.3	3.4	2.4	3.4		3.8	3.4	74.5	8.7	208
	06-08		1.4		2.4	3.9	1.9	1.0		3.4	14.0	72.0	9.1	207
	09-11		.5		2.9	2.9	1.4	3.4		2.9	11.6	74.4	9.2	207
	12-14				.5	1.0	1.9	5.3		5.8	14.5	71.0	9.3	207
	15-17				1.4	1.4	2.4	5.8		7.2	11.1	70.5	9.2	207
	18-20		1.0		4.3	2.4	4.8	5.8		6.8	7.7	67.1	8.8	207
	21-23	.5	2.9		3.9	5.8	4.8	1.4		4.8	6.3	69.6	8.6	207
TOTALS		.4	1.6		3.1	3.3	3.0	3.6		4.6	9.1	71.3	8.9	1657

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-71 (PERIOD) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	6.3	5.8		4.8	3.2	4.2	4.8		5.3	6.9	58.7	7.7	189
	03-05	8.5	2.1		1.6	3.2	4.8	5.3		4.3	4.8	65.4	8.1	188
	06-08	1.1	2.7		1.6	2.7	2.7	2.7		5.3	15.4	66.0	8.9	188
	09-11	1.1	2.1		3.2	4.2	1.6	4.8		2.6	20.6	59.8	8.7	189
	12-14	2.7	8.0		5.9	2.1	2.1	4.3		4.3	10.6	60.1	8.0	188
	15-17	3.7	6.3		2.0	3.7	6.3	5.8		5.8	11.6	54.0	7.9	189
	18-20	9.5	4.8		7.9	5.8	3.7	6.3		6.9	11.1	43.9	7.0	189
	21-23	8.5	8.5		7.4	3.7	3.2	6.4		6.4	9.0	46.8	7.0	188
TOTALS		5.2	5.0		4.4	3.6	3.6	5.1		5.1	11.3	56.8	7.9	1508

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-72 PERIOD | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	10.6	6.8		1.4	4.3	4.3	3.4		6.3	4.8	58.0	7.4	207
	03-05	11.6	3.4		1.4	1.9	3.9	2.9		1.4	9.7	63.8	7.9	207
	06-08	2.9	6.8		1.0	2.4	1.9	2.9		7.3	16.5	58.3	8.4	206
	09-11	.5	3.4		4.8	5.3	1.9	4.8		9.2	12.1	58.0	8.4	207
	12-14	3.9	2.4		2.4	2.4	1.4	3.9		9.2	25.1	49.3	8.4	207
	15-17	5.3	3.4		2.9	4.3	1.4	5.8		6.6	18.4	51.7	8.1	207
	18-20	7.2	4.8		6.3	3.9	4.8	3.9		7.2	12.1	49.8	7.5	207
	21-23	12.5	5.3		6.7	1.4	10.6	3.4		2.9	7.7	49.5	6.9	208
TOTALS		6.8	4.5		3.4	3.2	3.8	3.9		6.3	13.3	54.8	7.9	1656

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-70,72 PERIOD | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	13.9	1.7		3.9	2.8	3.9	5.0		8.9	10.0	50.0	7.4	180
	03-05	11.7	7.2		3.9	1.7	5.0	3.9		3.9	15.6	47.2	7.2	180
	06-08	11.7	5.6		1.1	3.3	2.8	5.6		7.8	21.1	41.1	7.3	180
	09-11	8.9	1.7		.6	1.1	2.2	3.3		16.1	25.6	40.6	8.0	180
	12-14	9.4	.6		1.1	1.1	2.2	7.8		15.0	20.6	42.2	7.9	180
	15-17	10.1	.6			.6	2.2	5.0		11.7	26.3	43.6	8.1	179
	18-20	10.6	2.2		5.6	5.0	6.7	3.3		8.9	16.1	41.7	7.3	180
	21-23	14.4	3.9		6.1	7.2	5.6	7.2		4.4	6.7	44.4	6.6	180
TOTALS		11.3	2.9		2.8	2.9	3.8	5.1		9.6	17.8	43.9	7.5	1439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-71 (PERIOD) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	22.0	5.4		3.2	7.5	7.5	2.7		8.6	8.1	35.5	5.9	186
	03-05	6.5	7.0		4.6	5.4	1.6	7.0		8.1	15.6	44.1	7.4	186
	06-08	4.8	3.8		2.2	3.8	6.5	4.3		12.4	23.7	38.7	7.8	186
	09-11	1.1	4.8		2.7	4.3	7.0	9.1		10.7	28.9	31.6	7.8	187
	12-14		2.7		3.2	3.8	6.5	7.5		14.5	31.2	30.6	8.1	186
	15-17		1.1		3.2	9.1	1.1	8.1		11.8	29.0	36.6	8.2	186
	18-20	2.1	5.3		9.1	5.9	5.9	7.5		10.2	22.5	31.6	7.3	187
	21-23	11.8	14.0		8.6	5.9	9.7	4.8		9.1	9.1	26.9	5.7	186
TOTALS		6.0	5.5		4.6	5.7	5.7	6.4		10.7	21.0	34.5	7.3	1490

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-71 (PERIOD) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	25.0	9.4		8.9	8.9	6.7	7.8		6.1	4.4	22.8	4.7	180
	03-05	11.1	13.3		10.0	5.0	5.0	4.4		11.1	17.2	22.8	5.9	180
	06-08	11.7	14.4		4.4	6.7	6.1	3.3		6.7	21.7	25.0	6.0	180
	09-11	4.5	13.6		4.5	5.7	8.0	6.3		10.2	18.2	29.0	6.6	176
	12-14	2.2	5.6		5.6	7.9	7.3	5.1		13.5	23.6	29.2	7.3	178
	15-17	1.1	10.0		4.4	5.6	5.0	5.6		14.4	18.3	35.6	7.4	180
	18-20	6.1	11.7		3.9	5.0	5.0	8.9		8.9	23.3	27.2	6.8	180
	21-23	13.9	12.2		9.4	4.4	11.1	6.1		6.7	13.3	22.8	5.5	180
TOTALS		9.5	11.3		6.4	6.2	6.8	5.9		9.7	17.5	26.8	6.3	1434

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-70 (PERIOD) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	32.2	10.7		6.2	8.5	5.6	3.4		4.5	9.6	19.2	4.3	177
	03-05	10.7	11.3		9.6	6.8	7.3	4.5		9.0	14.7	26.0	6.0	177
	06-08	10.2	7.9		4.5	4.5	12.4	5.1		6.8	14.1	34.5	6.6	177
	09-11	6.8	7.9		6.8	5.1	2.8	3.4		7.3	24.9	35.0	7.2	177
	12-14	3.4	2.8		6.2	5.6	8.5	6.8		7.9	27.1	31.6	7.5	177
	15-17	3.4	5.1		6.2	5.6	7.3	10.2		11.9	19.8	30.5	7.2	177
	18-20	4.0	6.9		6.6	8.0	9.8	8.0		10.3	15.5	26.7	6.7	174
	21-23	17.2	14.4		9.2	8.6	9.8	6.9		9.8	9.2	14.9	4.8	174
TOTALS		11.0	8.4		7.2	6.6	7.9	6.0		8.4	16.9	27.6	6.3	1410

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 STATION — BITBURG AB GERMANY STATION NAME — 5?-70 PERIOD — AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	42.1	7.0		4.1	5.8	5.2	1.8		7.6	7.6	18.7	4.0	171
	03-05	19.9	9.9		9.9	7.0	6.4	4.7		8.2	10.5	23.4	5.2	171
	06-08	8.8	7.6		7.6	5.8	11.1	6.4		7.6	14.6	30.4	6.4	171
	09-11	1.2	12.3		8.2	5.3	7.6	5.8		9.4	22.8	27.5	6.9	171
	12-14	1.8	4.7		5.2	5.3	10.7	9.5		13.0	25.4	24.3	7.3	169
	15-17	2.9	4.1		2.4	7.6	7.1	4.1		12.9	34.1	24.7	7.6	170
	18-20	3.6	9.0		7.8	6.6	13.9	7.8		9.0	15.7	26.5	6.5	166
	21-23	27.9	10.9		8.5	6.1	5.5	3.0		8.5	11.5	18.2	4.6	165
TOTALS		13.5	8.2		6.7	6.2	8.5	5.4		9.5	17.8	24.2	6.1	1354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 69-71 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	38.2	5.1		8.4	8.4	8.4	3.4		3.9	7.9	16.3	3.9	178
	03-05	25.4	10.7		5.6	8.5	5.6	6.8		5.1	9.0	23.2	4.8	177
	06-08	7.3	14.0		3.9	6.2	8.4	3.4		6.7	19.7	30.3	6.5	178
	09-11	9.6	10.2		5.1	5.1	5.1	3.4		7.9	20.9	32.8	6.7	177
	12-14	7.9	8.5		7.9	7.9	4.0	6.8		11.3	16.4	29.4	6.6	177
	15-17	10.7	11.9		6.2	5.1	4.5	5.1		11.3	14.1	30.5	6.3	177
	18-20	19.2	10.7		7.9	12.4	4.5	5.1		5.6	8.5	26.0	5.2	177
	21-23	31.8	11.4		7.4	9.1	5.1	6.3		4.5	5.1	19.3	4.1	176
TOTALS		18.8	3[illegible]		6.6	7.8	5.7	5.0		7.1	12.7	26.0	5.5	1417

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34249 STATION | BITBURG AB GERMANY STATION NAME | 52-70 PERIOD | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	17.3	10.8		3.8	6.5	3.2	2.2		5.4	14.1	36.8	6.1	185
	03-05	13.6	3.3		4.9	7.1	7.1	4.3		8.7	12.0	39.1	6.8	184
	06-08	3.2	7.6		3.8	4.9	4.3	5.9		4.3	19.5	46.5	7.7	185
	09-11	4.3	7.0		6.5	2.2	3.8	3.8		7.5	16.1	48.9	7.7	186
	12-14	6.5	5.9		3.2	5.9	3.2	2.7		10.3	19.5	42.7	7.6	185
	15-17	9.7	2.2		2.2	7.0	4.3	9.7		9.7	15.1	40.0	7.3	185
	18-20	10.8	9.1		7.5	4.8	7.5	3.8		9.7	8.1	38.7	6.5	186
	21-23	15.1	11.3		5.9	7.5	5.4	5.4		6.5	9.7	33.3	5.9	186
TOTALS		10.1	7.2		4.7	5.7	4.9	4.7		7.8	14.3	40.8	7.0	1482

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 59-71 (PERIOD) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	9.5	2.2		1.7	3.9	5.0	6.7		5.0	7.8	58.1	7.8	179
	03-05	7.2	3.9		2.8	2.8	1.1	3.3		7.2	13.9	57.8	8.1	180
	06-08	.6	3.3		3.3	1.7	2.8	1.7		10.0	11.1	65.6	8.8	180
	09-11	1.1	1.7		2.8	2.2	1.7	2.8		7.2	15.6	65.0	8.9	180
	12-14	.6	2.8		2.2	2.8	2.8	5.6		5.6	26.1	51.7	8.6	180
	15-17		3.9		3.9	.6	7.2	5.5		8.3	18.8	51.9	8.4	181
	18-20	5.0	3.3		3.3	3.9	6.1	2.8		4.4	11.1	60.0	8.1	180
	21-23	8.9	2.2		6.1	2.8	5.0	3.3		5.0	6.7	60.0	7.8	180
TOTALS		4.1	2.9		3.3	2.6	4.0	4.0		6.6	13.9	58.8	8.3	1440

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 BITBURG AB GERMANY 66-70 DEC
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	9.0	3.6		2.5	2.2	1.4	3.9		1.1	2.9	73.5	8.2	279
	03-05	10.4	2.5		.4		2.2	2.5		2.5	5.4	74.2	8.4	279
	06-08	5.7	2.2		2.5	1.1	4.3	1.4		2.2	8.2	72.4	8.6	279
	09-11	2.9	2.2		1.1	2.2	3.6	3.9		6.1	13.3	64.9	8.7	279
	12-14	3.2	2.2		3.6	1.1	1.1	1.8		6.8	12.9	67.3	8.8	278
	15-17	2.2	3.2		5.4	1.8	3.2	1.1		4.7	10.8	67.7	8.6	279
	18-20	4.7	4.7		3.2	3.2	3.6	5.4		3.2	5.0	67.0	8.2	279
	21-23	7.9	2.2		5.4	4.0	1.1	3.2		1.8	6.1	68.3	8.1	278
TOTALS		5.8	2.9		3.0	2.0	2.6	2.9		3.0	8.1	69.4	8.5	2230

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

34049 BITBURG AB GERMANY 55-72 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	.4	1.6		3.1	3.3	3.[illegible]	3.6		4.6	9.1	71.3	8.9	1657
FEB		5.2	5.0		4.4	3.6	3.5	5.1		5.1	11.3	56.8	7.9	1508
MAR		6.3	4.5		3.4	3.2	3.5	3.9		6.3	13.3	54.8	7.9	1676
APR		11.3	2.9		2.6	2.9	3.8	5.1		9.6	17.8	43.9	7.5	1439
MAY		6.0	5.5		4.6	5.7	5.7	6.4		10.7	21.0	34.5	7.3	1490
JUN		9.5	11.3		6.4	6.2	6.6	5.9		9.7	17.5	26.8	6.3	1434
JUL		11.0	8.4		7.2	6.6	7.9	6.0		8.4	16.9	27.6	6.3	1410
AUG		13.5	8.2		6.7	6.2	8.5	5.4		9.5	17.8	24.2	6.1	1354
SEP		18.8	10.3		6.6	7.8	5.7	5.0		7.1	12.7	26.0	5.5	1417
OCT		10.1	7.2		4.7	5.7	4.9	4.7		7.8	14.3	40.8	7.0	1482
NOV		4.1	2.9		3.3	2.6	4.0	4.0		6.6	13.9	58.8	8.3	1440
DEC		5.8	2.9		3.0	2.0	2.6	2.9		3.6	8.1	69.4	8.5	2230
TOTALS		8.5	5.9		4.7	4.7	5.0	4.6		7.4	14.5	44.6	7.3	18517

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

   a. Daily maximum temperatures
   b. Daily minimum temperatures
   c. Daily mean temperatures

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

E

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.

74-29966

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
3404 BITBURG Ab GERMANY -2-7..
STATION STATION NAME YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
95							.3						.0
90						.1	1.0						.1
85					.2	1.3	3.3	2.7	.1				.9
80					1.3	6.3	13.6	9.5	2.7				2.9
75				.7	6.3	20.1	28.0	24.0	7.9				7.2
70			.2	3.6	16.0	37.7	47.5	41.9	22.3	1.7			14.2
65			2.5	11.2	32.7	59.1	75.8	68.5	45.5	9.0	.1		24.8
60		.4	6.3	23.7	54.9	82.2	92.3	93.2	71.8	27.2	.4		37.7
55		2.6	16.7	44.2	78.7	95.6	100.0	99.5	90.9	49.3	5.6	.6	48.5
50	2.6	9.8	32.8	64.5	95.2	99.7		100.0	98.8	76.3	19.5	5.2	58.5
45	12.3	25.3	55.8	83.1	99.2	100.0			100.0	91.7	44.4	16.9	68.9
40	34.0	49.6	76.7	96.5	100.0					98.3	72.8	38.2	80.3
35	59.7	71.3	91.3	99.7						100.0	89.0	66.0	89.7
30	83.3	87.7	98.1	100.0							98.6	86.4	96.2
25	93.2	95.9	99.6								100.0	95.3	98.7
20	98.0	98.5	99.9									99.4	99.8
15	99.9	99.7	100.0									100.0	100.0
10	100.0	99.9											100.0
5		100.0											100.0
MEAN	36.1	3 .9	45.1	53.3	61.3	67.1	69.9	68.9	64.0	54.6	43.6	37.4	53.4
S D	7.291	8.260	8.726	8.596	8.036	7.971	8.054	7.237	7.242	7.309	6.810	7.305	14.483
TOTAL OBS	805	734	806	756	780	780	771	768	748	775	773	782	9279

USAFETAC FORM JUL 64 0-21 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/ MAC

34134 BILLINGS AP (GEN AVN) 2-72
STATION STATION NAME YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70							.1						.0
65							1.9	.3					.2
60					.4	5.4	15.2	7.2	.9	.1			2.3
55				.1	6.3	24.5	42.9	38.8	14.0	2.3			10.5
50		.1	.2	3.6	24.2	58.5	79.1	76.8	46.3	13.3	1.3	.4	25.2
45	.6	1.2	3.6	14.9	49.7	85.6	95.3	96.0	75.8	34.3	5.1	2.6	38.0
40	6.0	3.4	10.7	39.8	80.9	97.6	100.0	99.7	94.1	62.8	24.7	10.2	53.4
35	22.7	27.9	43.7	70.8	96.5	100.0		100.0	99.7	88.0	54.3	30.1	69.2
33	34.5	39.2	55.8	80.4	98.3				100.0	93.8	66.5	41.2	75.6
30	52.2	54.8	70.8	91.7	99.9					98.7	83.3	58.7	84.1
25	73.3	74.4	84.5	99.2	100.0					100.0	93.9	76.2	91.9
20	85.4	86.0	95.9	100.0							98.7	89.6	96.4
15	92.9	91.8	99.0								100.0	95.8	98.3
10	97.3	97.0	99.6									99.1	99.3
5	99.3	98.2	100.0									99.7	99.8
0	99.9	99.7										100.0	100.0
-5	100.0	100.0											100.0
MEAN	28.5	29.0	33.0	37.9	44.8	50.4	53.5	52.8	48.5	41.9	35.0	30.1	40.5
S D	8.279	8.921	7.282	6.149	5.940	5.338	5.054	4.735	5.382	6.303	6.382	7.981	11.199
TOTAL OBS	806	734	806	756	780	780	771	768	748	775	773	782	9279

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

3404 BITBURG AB GERMANY 2-7
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F,	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
≥80							.5	.7					.0
75					.1	.2	3.1	.7					.4
70					.1	4.2	12.2	8.1	1.3				2.2
65				.5	5.4	19.4	31.5	25.3	7.4	.5			7.5
60				2.5	19.7	45.5	60.7	59.0	30.2	2.7			18.0
55			.1	9.9	40.1	75.6	90.4	90.2	63.4	17.9	.4		32.3
50	.1	1.4	10.3	30.6	70.9	94.9	99.7	99.7	89.7	43.7	5.0	1.0	45.4
45	3.3	8.6	27.3	56.1	93.4	99.7	100.0	100.0	99.1	73.8	23.0	6.9	57.4
40	16.5	26.4	51.6	81.0	99.4	100.0			100.0	92.6	51.0	24.2	70.0
35	44.5	54.0	76.7	97.0	100.0					99.5	79.4	49.4	83.2
30	68.7	74.7	90.8	99.9						100.0	93.0	75.1	91.8
25	86.5	87.6	98.0	100.0							99.5	89.9	96.8
20	93.3	94.3	99.5								100.0	96.4	98.6
15	97.5	97.8	99.8									99.6	99.6
10	99.9	99.5	100.0									99.9	99.9
5	100.0	99.9										100.0	100.0
0		100.0											100.0
MEAN	32.5	34.2	39.8	45.9	53.3	59.0	61.9	61.1	56.5	48.5	39.6	34.0	47.2
S D	7.524	8.222	7.381	6.752	6.348	6.058	6.036	5.335	5.606	6.069	6.190	7.356	12.508
TOTAL OBS	806	734	806	756	780	780	771	768	748	775	773	782	9279

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
												47	
53	49	47	57	67	75	81	82	87	84	82	73*	72	84
54	57	47	54	64	72	81	87	85	83	73	65	61	87
55	54	47	65	73	75	81	85	81	75	67	65	52	85
56	47	43	65	68	82	71	84	77	75	70	58	52	
57	51	51	64	71	73	81	85	82	77	69	55	51	85
58	57	51	62	69	75	81	81	85	81	69	51*	51	85
59	51	54	64	75	79	81	81	83	82	71	57	52	83
60	51	54	62	67	74	83	75	79	75	66	55	48	
61	50	57	66	71	69	81	85	84	82	71	61	56	84
62	57	45	52	72	76	81	83	85	84	74	56	48	85
63	54	57	55	66	76	78	84	85	75	64	63	45	85
64	51	57	56	71	78	84	85	88	81	65	54	47	88
65	49	59	65	64	77	82	80	79	73	67	55	51	82
66	49	55	57*	69*	67	84	78	87	78	74	54	52	
67	57	51	57	67	79	82	84	79	75	64	52	51	84
68	51	49	72	67	79	81				M	57	47	
69	50	45	57	70	85	78*	85*	85*	77	70	56	50	85
70	45	49	50	70	70	81	81	81	77	71	58	50	81
71	49	47	52	74	79	74	86	85	76	60	52	52	86
72	47	52	67	69	79	81	86	78	71	64	57	49	86
73	49	41	64	66	71	82	86	82	86	68	59	48	86
74	51	53	60	68	73	78	78	87	77	51	53	51	87
75	53	51	51	73	71	73	87	89	77	69	58	49	89
76	46	51	57	68	80	89	93	84	73	69	51	44	93
77	51	51	60	64	71	87	82	77	73	65	60	57	87
78	46	53	59	64	75	80	86	78	73	67*	53		
MEAN	47.9	50.7	60.6	69.1	75.8	81.3	84.4	83.9	77.5	67.2	55.4	49.0	67.4
S D.	3.298	6.933	5.790	4.764	4.552	4.714	5.372	3.687	4.273	4.706	3.751	4.035	5.577
TOTAL OBS.	506	734	806	755	780	781	771	768	748	775	773	782	9871

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

USAF ETAC FORM JUL 64 0-88-5 (OLI)

2

EXTREME VALUES

FROM DAILY OBSERVATIONS

STATION STATION NAME YEARS

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
												1	
	15		27	41	23		49		41	35	25*	11	
	5		24	27	36	41	42	45	35	37	27	27	
	14	4	12	21	32	41	48	43	37	27	27	21	
	1	-	22	27	35		37	35	45	37	19	20	-
7	15	25	26	27	21		49	41	25	31	24	21	1
	17	14	15	24	37		46	45	43	32	30*	32	1
	19	24	27	30	36	41	42	45	45	33	26	25	1
		17	26	32	34	41	42	47	39	33	30	16	
1	17	3	25	31	39	41	42	44	45	31	27	11	1
	15		17	30	32	3		42	42	32			
	4		16	29	33	43	44	40	38	27	31	11	
	11	15	17	24	30	35	40	44	35	25	25	15	1
	21	12	16	21	33	41	43	42	39	31	15	20	1
	4	27	24*	31	39	41	43	40	39	27	20	21	
	10	17	26	26	23	39	42	44	39	27	31	10	1
	-3	23	27	24	34	44				4	24	12	
	23	5	25	21	35	39	45*	45*	34	35	22	15	
	17		13	25	37	41	44	41	39	33	24	10	
	3	14	7	30	37	44	43	45	41	31	25	27	
	7	5	22	27	36	39	45	39	35	23	24	14	
	14	19	23	28	35	42	48	44	35	39	19	3	
	24	24	19	35	35	39	44	44	33	29	21	26	1
	26	21	24	25	35	38	44	42	44	29	13	6	
76	5	13	14	24	39	39	46	44	41	33	26	4	
77	19	19	19	28	30	39	48	46	37	32	19	21	1
78	0	13	26	26	37	41	42	41	41	35*	21		
MEAN	12.2	15.0	20.7	28.1	33.9	40.2	44.9	43.1	39.3	30.4	22.7	15.7	
S D	7.907	8.553	5.511	4.581	2.403	2.383	2.948	2.863	3.505	2.504	4.427	7.476	0.30
TOTAL OBS	806	734	906	756	780	738	771	768	748	775	773	742	921

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

USAF ETAC FORM JUL 64 0-98-5 (OLI)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION | BITBURG AB GERMANY STATION NAME | 9-76 YEARS | JAN MONTH

 0000-0200 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			.1															1	1		
50/ 49		.1	.2	.2														5	5		
48/ 47		.4	.1	.1														6	6	4	
46/ 45		1.1	.3	.2														15	15	7	4
44/ 43	.1	3.4	.5	.4														41	41	17	7
42/ 41	.4	9.0	1.5															102	102	61	19
40/ 39		5.5	1.6															68	68	70	60
38/ 37	1.0	8.1	1.5															98	98	89	78
36/ 35	.5	8.4	1.0															92	92	96	69
34/ 33	3.9	8.1	1.1	.2														123	123	139	99
32/ 31	1.3	9.9	1.1															119	119	122	126
30/ 29	.9	7.3																76	76	114	119
28/ 27	2.5	3.0																51	51	62	105
26/ 25	1.1	2.2	.1															31	31	37	59
24/ 23	1.1	2.9	.2															39	39	29	58
22/ 21	.8	1.2																18	18	26	31
20/ 19	.6	1.1																16	16	16	32
18/ 17	.1	.4																5	5	12	14
16/ 15	.4	.8																11	11	9	9
14/ 13	.1	.4																5	5	8	9
12/ 11	.1	.4																5	5	6	12
10/ 9	.1																	1	1	2	9
8/ 7	.1																	1	1	1	5
6/ 5																					5
TOTAL	15.6	73.6	9.6	1.2															929		929
																		929		929	

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.	6917038	79824	85.9	7.919	929							
Dry Bulb	1095598	31240	33.6	6.969	929		37.8					93
Wet Bulb	1006799	29959	32.2	6.619	929		44.4					93
Dew Point	872432	27680	29.8	7.169	929		59.4					93

USAFETAC FORM 0-20-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 BITBURG AB GERMANY 9-73 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0600 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
50/ 49		.2	.3		.1													6	6		
48/ 47		.3		.1														4	4	4	
46/ 45		1.7	.6	.1														23	23	4	4
44/ 43	.3	4.7	.9															55	55	23	8
42/ 41	.2	5.6	1.3															66	68	69	31
40/ 39	.4	5.5	2.0															74	74	63	54
38/ 37	1.2	8.0	1.5															99	99	88	62
36/ 35	1.3	6.7	.4															97	97	103	78
34/ 33	2.3	9.8	.5	.2														124	124	140	113
32/ 31	3.1	9.2	.6	.1														123	123	147	156
30/ 29	2.7	5.3																74	74	116	104
28/ 27	1.7	4.0	.1															54	54	68	85
26/ 25	1.0	2.4																31	31	40	48
24/ 23	1.1	1.6																27	27	34	49
22/ 21	.5	1.0																16	16	21	40
20/ 19	.2	1.6																20	20	18	25
18/ 17	.2	.8																9	9	14	17
16/ 15	.0	.3																9	9	10	15
14/ 13	.2	.5																7	7	4	11
12/ 11	.2	.0																8	8	9	11
10/ 9	.2																	2	2	5	8
8/ 7																					7
6/ 5																					4
TOTAL	18.3	72.3	8.8	.5	.1														930		930
																		930		930	

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.	7025632	80520	86.6	7.635	930							
Dry Bulb	1094748	31206	33.6	7.161	930		38.0					93
Wet Bulb	1010404	29994	32.3	6.807	930		43.6					93
Dew Point	883190	27830	29.9	7.364	930		58.0					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

3404 — STATION — BITBURG AB GERMANY — STATION NAME — 9-7 — YEARS — JAN — 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
50/ 49		.1			.1													2	2		
48/ 47		.3	.2		.1													6	6	1	
46/ 45	.1	1.2	.1	.3														16	16	5	2
44/ 43	.2	3.2	.6	.3														42	42	24	9
42/ 41	.3	7.3	1.4	.2														86	86	47	26
40/ 39	.6	6.9	2.2	.1														91	91	71	51
38/ 37	1.3	6.6	1.6															85	85	104	63
36/ 35	1.5	9.4	.4															105	105	97	81
34/ 33	.6	7.4	.5															98	98	113	103
32/ 31	2.3	7.2	.5	.1														94	94	109	125
30/ 29	2.3	6.3	.2	.2														84	84	100	119
28/ 27	2.8	4.1																64	64	64	86
26/ 25	1.4	3.0																41	41	53	52
24/ 23	.9	4.0																45	45	47	62
22/ 21	.6	1.1																17	17	27	47
20/ 19	.6	1.1																16	16	16	28
18/ 17	.5	.6																11	11	12	22
16/ 15	.3	.5																8	8	11	20
14/ 13		.4																4	4	3	2
12/ 11		.6																6	6	8	4
10/ 9	.5	.2																7	7	8	10
8/ 7	.2																	2	2	2	9
6/ 5																					9
TOTAL	18.9	71.0	8.0	1.3	.2														930		≥30
																		930		930	

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	7012086	80413	86.5	7.919	930							
Dry Bulb	1070786	30812	33.1	7.332	930		39.9					93
Wet Bulb	986569	29595	31.8	6.943	930		45.3					93
Dew Point	858701	27397	29.5	7.453	930		59.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION — BITBURG AB GERMANY STATION NAME — 2-7 YEARS — JAN 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
50/ 49		.2	.1															3	3		
48/ 47		.9	.6	.3														17	17	2	
46/ 45		2.5	.3	.3														29	29	13	6
44/ 43		4.4	.9	.3														49	49	33	15
42/ 41	.3	4.7	.9	.1														56	56	51	22
40/ 39	.5	7.3	2.4	.2														97	97	65	52
38/ 37	.5	8.5	2.5															107	107	113	72
36/ 35	1.3	8.3	1.3															100	100	99	101
34/ 33	1.9	8.6	.6															104	104	141	83
32/ 31	3.2	8.1	.9	.1														114	114	98	64
30/ 29	2.4	5.1	.2	.1														72	72	97	99
28/ 27	2.2	3.8																55	55	65	73
26/ 25	1.2	2.2																31	31	43	57
24/ 23	.9	3.1																37	37	32	55
22/ 21	.9	.6																14	14	30	32
20/ 19	.4	.6																10	10	11	38
18/ 17	.2	.8																9	9	7	11
16/ 15	.2	.3																5	5	8	10
14/ 13	.1	.5																6	6	4	9
12/ 11	.2	.6																8	8	9	4
10/ 9	.3																	3	3	5	10
8/ 7	.1																	1	1	1	10
6/ 5	.1																	1	1	1	4
4/ 3																					1
TOTAL	17.2	71.2	10.0	1.5															928		928
																		923		928	

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.	0946523	79933	86.1	8.146	928							
Dry Bulb	1113949	31441	33.9	7.249	928		36.7					93
Wet Bulb	1025208	30178	32.5	6.877	928		41.2					93
Dew Point	891930	27932	30.1	7.432	925		57.8					93

USAFETAC FORM 0 26 5 (01 A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 BITBURG AB GERMANY 9-76 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS (LST)

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. Dry Bulb	TOTAL Wet Bulb	Dew Point
52/ 51			.2		.1													3	3		
50/ 49		.4	.9	.2	.2													16	16		
48/ 47		.5	.9	.2	.2													17	17	11	1
46/ 45		2.5	.4	.3														30	30	13	5
44/ 43	.1	4.2	2.0	.4														63	63	48	19
42/ 41	.1	6.4	3.1	1.3														100	100	82	38
40/ 39	.0	7.1	2.8	.2	.1													102	102	75	53
38/ 37	1.7	6.9	2.9	.1	.1													109	109	120	85
36/ 35	.8	9.0	2.2	.1														112	112	102	101
34/ 33	3.1	5.8	.9	.4														95	9.	156	92
32/ 31	1.0	6.5	2.5	.1														93	9.	66	125
30/ 29	1.1	5.7	.6															69	69	96	109
28/ 27	1.4	2.5	.4															40	40	67	81
26/ 25	1.4	.9																21	21	28	56
24/ 23	.2	1.7	.1															19	19	17	68
22/ 21	.3	.6	.2															11	11	11	24
20/ 19		1.1																10	10	8	19
18/ 17	.2	.6																8	8	12	9
16/ 15		.4																4	4	7	10
14/ 13	.3																	3	3	6	5
12/ 11	.2	.1																3	3	3	9
10/ 9	.1																	1	1	1	11
8/ 7																					7
TOTAL	12.8	63.0	20.1	3.3	.8														929		929
																		929		929	

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.	6516769	77245	83.1	10.062	929							
Dry Bulb	1220006	33064	35.6	6.825	929		28.2					93
Wet Bulb	1098916	31394	33.8	6.400	929		34.2					93
Dew Point	929755	28033	30.8	7.135	929		53.6					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

34049 BITBURG AB GERMANY 9-7 JAN
STATION STATION NAME YEARS 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
54/ 53					.1	.1												2	2		
52/ 51			.6		.1													7	7		
50/ 49		.3	.9	.5														16	16	2	
48/ 47		.9	1.1	.5	.1													24	24	10	4
46/ 45		3.0	1.6	.3														46	46	16	7
44/ 43	.1	4.7	1.[illegible]	.4														63	63	53	17
42/ 41	.2	5.4	3.0	.9														88	88	79	29
40/ 39	.3	8.4	3.4	.2														115	115	77	57
38/ 37	1.2	5.3	3.7	.3														97	97	133	95
36/ 35	1.1	8.4	2.8	.1	.1													116	116	93	115
34/ 33	1.8	6.1	2.4	.4	.1													119	119	160	92
32/ 31	1.8	6.8	2.5	.1														104	104	91	156
30/ 29	.2	4.0	.6	.1														46	46	86	89
28/ 27	1.0	1.4	.2															24	24	58	60
26/ 25	.5	1.1	.1															16	16	22	73
24/ 23		1.3	.1															13	13	10	49
22/ 21	.1	.8	.4															12	12	15	14
20/ 19		1.0																9	9	9	20
18/ 17		.8																7	7	10	8
16/ 15		.2																2	2	7	13
14/ 13	.2	.2																4	4	5	9
12/ 11																					6
10/ 9																					12
8/ 7																					4
6/ 5																					1
TOTAL	8.6	61.8	24.9	4.0	.5	.1												930	930	930	930

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.	6319598	76068	81.8	10.256	930							
Dry Bulb	1271791	33843	36.4	6.581	930		23.7					93
Wet Bulb	1135775	31981	34.4	6.226	930		31.3					93
Dew Point	952852	29014	31.2	7.164	930		51.4					93

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

34047 BITBURG AB GERMANY 0-76 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 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
52/ 51			.5		.1													6	6		
50/ 49		.2		.2	.1													5	5	3	1
48/ 47	.1	.6	.4	.3														14	14	5	3
46/ 45		2.2	.9	.2														30	30	10	5
44/ 43		2.7	1.1	.2														37	37	31	10
42/ 41	.2	5.3	3.2	.1														91	91	53	20
40/ 39	.3	7.9	2.4	.1														103	103	69	47
38/ 37	1.1	6.6	2.0	.1														96	96	122	80
36/ 35	1.0	9.2	3.0	.1														129	129	101	123
34/ 33	2.2	7.2	1.7															103	103	145	101
32/ 31	1.5	6.5	1.3	.1														87	87	111	94
30/ 29	1.4	7.7	.4	.2														90	90	90	123
28/ 27	1.1	3.1	.3															42	42	74	74
26/ 25	1.1	1.8	.2															29	29	39	71
24/ 23		1.5	.1															15	15	10	79
22/ 21	.6	1.3																18	18	21	12
20/ 19		1.4																13	13	13	20
18/ 17		.4																4	4	13	15
16/ 15	.1	.5																5	6	4	15
14/ 13	.1	.5																6	6	8	8
12/ 11	.2	.2																4	4	6	6
10/ 9																					7
8/ 7																					10
6/ 5																					4
TOTAL	12.1	67.8	18.2	1.7	.2														928		928
																		928		928	

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	6596498	77794	83.8	8.998	928							
Dry Bulb	1163819	32253	34.8	6.799	926		31.5					93
Wet Bulb	1054720	30708	33.1	6.451	926		39.0					93
Dew Point	898259	28079	30.3	7.245	928		53.9					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

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | JAN MONTH

2100-2300 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	.3															6	6		
50/ 49		.1		.2														3	3	4	2
48/ 47		.9	.3	.6														17	17	3	2
46/ 45		1.3	.8	.4														23	23	10	3
44/ 43		3.9	.9	.1														45	45	20	12
42/ 41		6.4	1.7	.1														76	76	59	9
40/ 39	.8	6.0	2.4															85	85	76	56
38/ 37	1.2	7.5	1.6															96	96	105	64
36/ 35	2.0	9.4	2.6															130	130	112	122
34/ 33	1.9	7.1	2.4															106	106	146	100
32/ 31	3.1	8.4	.9	.1														116	116	100	149
30/ 29	2.4	5.3	.1															72	72	99	113
28/ 27	2.0	3.0	.2															49	49	68	71
26/ 25	1.1	1.4	.2															25	25	34	61
24/ 23	.2	2.7																27	27	20	53
22/ 21	.4	1.4																17	17	29	25
20/ 19	.3	.9																11	11	12	22
18/ 17		.3																3	3	7	14
16/ 15	.8	.5																12	12	13	14
14/ 13	.2	.5																7	7	4	11
12/ 11		.2																2	2	6	11
10/ 9																				1	9
8/ 7	.1																	1	1	1	2
6/ 5																					4
TOTAL	16.6	67.5	14.3	1.6															929		929
																		929		929	

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.	6813550	79160	85.2	8.581	929							
Dry Bulb	1140199	31905	34.3	6.923	929		34.2					93
Wet Bulb	1041419	30505	32.8	6.544	929		39.4					93
Dew Point	899142	28128	30.3	7.154	929		56.0					93

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION — BITBURG AB GERMANY STATION NAME — 69-73 YEARS — JAN 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
54/ 53					.0	.0												2	2		
52/ 51		.0	.2		.0													23	23		
50/ 49		.2	.3	.2	.1													56	56	9	3
48/ 47	.0	.6	.5	.3	.1													105	105	40	10
46/ 45	.0	1.9	.6	.3														212	212	78	36
44/ 43	.1	3.9	1.0	.3														395	395	249	97
42/ 41	.2	6.4	2.0	.3														667	667	477	194
40/ 39	.5	6.8	2.4	.1	.0													735	735	566	430
38/ 37	1.1	7.2	2.2	.1	.0													787	787	874	599
36/ 35	1.3	6.8	1.7	.0	.0													881	881	798	790
34/ 33	2.5	7.8	1.3	.2	.0													872	872	1160	783
32/ 31	2.2	7.8	1.3	.1														850	850	824	1095
30/ 29	1.7	5.8	.3	.1														583	583	798	875
28/ 27	1.8	3.1	.2															379	379	516	635
26/ 25	1.1	1.9	.1															225	225	296	479
24/ 23	.5	2.4	.1															222	222	192	473
22/ 21	.6	1.0	.1															123	123	180	225
20/ 19	.3	1.1																105	105	103	204
18/ 17	.2	.6																56	56	87	110
16/ 15	.3	.5																57	57	69	106
14/ 13	.2	.4																42	42	42	64
12/ 11	.1	.4																36	36	47	63
10/ 9	.2	.0																14	14	22	76
8/ 7	.1																	5	5	5	54
6/ 5	.0																	1	1	1	31
4/ 3																					1
TOTAL	15.0	68.6	14.2	1.9	.2	.0												7433	7433	7433	7433

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.	54147694	630962	84.9	8.891	7433							
Dry Bulb	9170896	255764	34.4	7.058	7433		270.1					744
Wet Bulb	8359810	244314	32.9	6.658	7433		318.5					744
Dew Point	7186261	224693	30.2	7.281	7433		449.5					744

USAFETAC FORM 0-26.3 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION | BITBURG AB GERMANY STATION NAME | 59-78 YEARS | FEB MONTH

0000-0200 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					.1													1	1		
50/ 49				.2														2	2		
48/ 47		.6	.4	.4														11	11		
46/ 45		2.0	.5															21	21	9	3
44/ 43	.1	2.6	.2	.1														26	26	25	10
42/ 41		4.3	.6															41	41	28	19
40/ 39		6.3	1.1															62	62	43	13
38/ 37	.7	9.0	1.7	.1														97	97	70	62
36/ 35	.5	8.7	2.8	.1														103	103	87	74
34/ 33	2.0	6.9	1.4	.2														89	89	121	92
32/ 31	.7	7.4	1.9	.1														86	86	86	76
30/ 29	.7	7.7	1.4	.1														84	84	93	75
28/ 27	1.3	5.8	1.1															69	69	81	80
26/ 25	1.2	4.5	.2															50	50	72	73
24/ 23	.2	5.3	.6															52	52	44	69
22/ 21	.2	2.0																19	19	38	49
20/ 19		.8																7	7	18	52
18/ 17	.6	.5																9	9	12	38
16/ 15	.1	.5																6	6	7	25
14/ 13		.4																3	3	4	11
12/ 11	.2	.1																3	3	3	10
10/ 9	.4																	3	3	3	7
8/ 7	.1																	1	1	1	4
6/ 5	.1																	1	1	1	3
4/ 3																					1
TOTAL	9.2	75.4	13.8	1.4	.1														846		846
																		846		846	

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.	5881786	70146	82.9	8.791	846							
Dry Bulb	946459	27679	32.7	6.955	846		39.0					84
Wet Bulb	855005	26297	31.1	6.670	846		46.0					84
Dew Point	712212	23688	28.0	7.611	846		56.9					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

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | FEB MONTH

PAGE 1 | 0300-0500 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	.2														3	3		
48/ 47		.2	.7	.1														9	9		
46/ 45		1.9	.6															21	21	4	
44/ 43		3.2	.9															35	35	27	6
42/ 41		3.9	.8															40	40	35	20
40/ 39	.5	3.9	1.8															52	52	50	28
38/ 37		5.7	1.5															61	61	59	53
36/ 35	.5	11.3	1.5	.1														114	114	61	62
34/ 33	1.9	6.9	2.1	.1														93	93	136	85
32/ 31	1.8	9.2	1.7	.2														109	109	83	108
30/ 29	.9	6.5	1.3															74	74	95	80
28/ 27	1.4	5.9	.4															65	65	72	63
26/ 25	1.8	5.2	.1															60	60	79	64
24/ 23	.4	4.7	.4															46	46	53	65
22/ 21	.1	2.4																21	21	37	54
20/ 19		1.3																11	11	20	58
18/ 17	.5	.6																9	9	12	35
16/ 15	.5	.5																8	8	6	23
14/ 13	.5	.4																7	7	7	16
12/ 11	.2	.4																5	5	5	12
10/ 9		.1																1	1	3	5
8/ 7	.1	.1																2	2	2	5
6/ 5																					2
4/ 3																					2
TOTAL	11.0	74.2	13.9	.8														846		846	846

Element (X)	$\Sigma x'$	$\Sigma x'^2$	$\bar{x}$	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.	5993171	70899	83.8	8.176	846							
Dry Bulb	928098	27358	32.3	7.166	846		41.5					84
Wet Bulb	843406	26076	30.8	6.852	846		47.1					84
Dew Point	708569	23611	27.9	7.662	846		58.8					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

34049 STATION — BITBURG AB GERMANY STATION NAME — 69-78 YEARS — FEB 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
48/ 47		.2	.1															3	3	1	
46/ 45		.6	.7	.4														14	14	2	2
44/ 43		1.7	.9	.1														23	23	10	2
42/ 41	.2	4.6	1.2															51	51	29	12
40/ 39	.4	6.0	1.1															63	63	49	26
38/ 37	.2	6.6	.5															62	62	68	41
36/ 35	.7	9.7	1.1															97	97	71	81
34/ 33	2.7	7.4	1.3	.5														101	101	118	88
32/ 31	.8	8.0	1.9															91	91	93	76
30/ 29	.9	6.4	1.3															73	73	85	84
28/ 27	2.0	5.7	.5															69	69	83	70
26/ 25	1.9	5.8	.2															67	67	72	63
24/ 23	.8	5.7																55	55	58	76
22/ 21	.4	1.7																17	17	37	64
20/ 19	.9	2.5																29	29	24	46
18/ 17	.4	.6																8	8	21	51
16/ 15	.4	.6																8	8	6	25
14/ 13	.2	.4																5	5	9	16
12/ 11	.4	.1																4	4	3	6
10/ 9	.2	.1																3	3	4	8
8/ 7	.1																	1	1	1	4
6/ 5	.1	.1																2	2	2	3
4/ 3																					1
2/ 1																					1
TOTAL	13.8	74.5	10.6	.9														846	846	846	846

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.	6080648	71378	84.4	8.314	846							
Dry Bulb	891952	26802	31.7	7.120	846		42.9			-		84
Wet Bulb	813207	25591	30.2	6.802	846		49.4					84
Dew Point	684245	23197	27.4	7.552	846		59.0					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

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | FEB MONTH

 0900-1100 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
52/ 51		.1			.1													2	2		
50/ 49		.7	.2	.1														9	9	1	
48/ 47		.5	.4	.1	.1													9	9	7	5
46/ 45		1.1	1.5	.1														23	23	8	6
44/ 43	.2	2.4	.7															28	28	15	5
42/ 41	.4	3.4	.8															39	39	43	7
40/ 39	.4	4.4	2.7		.1													64	64	39	31
38/ 37	.2	9.7	2.0	.5	.1													106	106	70	49
36/ 35	.2	8.1	1.8	.5														89	89	108	74
34/ 33	2.0	8.4	2.5	.4														112	112	112	107
32/ 31	2.0	7.6	4.0															115	115	95	106
30/ 29	1.2	5.8	1.2															69	69	101	75
28/ 27	2.0	5.1	.1															61	61	83	57
26/ 25	.1	4.0	.1															36	36	55	71
24/ 23	.2	3.1	.1															29	29	33	64
22/ 21		1.3																11	11	29	66
20/ 19	.7	1.7																20	20	16	40
18/ 17	.4	.6																8	8	13	33
16/ 15	.1	.6																6	6	4	18
14/ 13		.1																1	1	5	12
12/ 11	.4																	3	3	3	5
10/ 9	.4																	3	3	3	6
8/ 7																					4
6/ 5																					2
TOTAL	10.9	68.7	18.3	1.7	.5														843		843
																		843		843	

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.	5846796	69752	82.7	9.459	843							
Dry Bulb	981435	28175	33.4	6.672	843		36.1					84
Wet Bulb	883499	26729	31.7	6.539	843		43.8					84
Dew Point	736146	24118	28.6	7.402	843		55.7					84

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-78 YEARS | FEB 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
54/ 53			.2		.1													3	3		
52/ 51		.2	.2	.5	.4													11	11	1	
50/ 49		.6	1.1	.7														20	20	3	1
48/ 47		.2	1.1	.7			.1											18	18	10	5
46/ 45	.1	1.1	2.1	.8	.2	.8												44	44	23	7
44/ 43	.2	2.0	3.8	.9	.8													66	66	32	5
42/ 41	.1	3.7	3.8	1.3	.4	.1												79	79	51	20
40/ 39	.2	6.7	2.0	1.1	.5													89	89	67	43
38/ 37	.1	6.0	2.4	1.4														84	84	103	65
36/ 35	1.2	5.6	4.7	.9	.2													107	107	98	109
34/ 33	1.5	6.1	3.7	.5	.2													102	102	108	78
32/ 31	.1	2.4	3.3	.2														51	51	96	73
30/ 29	.6	4.6	1.5	.2														59	59	86	72
28/ 27	.8	3.3	.5															39	39	55	63
26/ 25	.5	3.8	.4															39	39	46	63
24/ 23	.4	1.9	.1															20	20	39	88
22/ 21		.4																3	3	12	60
20/ 19	.1	.7																7	7	6	30
18/ 17		.4																3	3	6	33
16/ 15	.1	.1																2	2	3	11
14/ 13																				1	9
12/ 11																					6
10/ 9																					5
TOTAL	6.1	49.8	30.9	9.3	2.8	.9	.1												846		846
																		846		846	

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.	5146530	65128	77.0	12.534	846							
Dry Bulb	1156990	30742	36.3	6.870	846		22.1					84
Wet Bulb	995860	28534	33.7	6.293	846		34.8					84
Dew Point	780516	24934	29.5	7.349	846		50.9					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

34049 — STATION
BITBURG AB GERMANY — STATION NAME
59-75 — YEARS
FEB — MONTH

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	TOTAL Wet Bulb	TOTAL Dew Point
54/ 53			.4	.2	.1	.1												7	7		
52/ 51			.5	.4	.7			.2										15	15		
50/ 49		.4	2.2	1.7	.2	.1	.1	.1										41	41	4	
48/ 47		.1	1.8	1.1	.1	.2	.2											30	30	12	2
46/ 45	.2	.5	2.6	2.5	.7	.5	.2											61	61	30	8
44/ 43	.4	2.5	2.6	2.4	.9	.1												75	75	39	8
42/ 41		4.1	2.8	.8	.6													71	71	67	19
40/ 39		5.8	3.5	.4	.6													87	87	87	53
38/ 37	.1	4.6	3.8	1.4	.2													86	86	115	69
36/ 35	1.1	5.1	4.8	1.8	.2													110	110	81	103
34/ 33	.5	3.8	3.0	.7														67	67	113	84
32/ 31	.4	3.9	3.1	.5	.1													67	67	83	86
30/ 29	.5	2.6	1.3	.2														39	39	80	72
28/ 27	.7	3.4	1.2	.1														46	46	43	62
26/ 25	.5	2.6	.2															28	28	45	71
24/ 23	.1	.8	.2															10	10	34	58
22/ 21		.2																2	2	7	37
20/ 19		.1																1	1	4	47
18/ 17		.4																3	3	2	25
16/ 15																				1	23
14/ 13																					8
12/ 11																					8
10/ 9																					3
TOTAL	4.4	40.9	34.0	14.1	4.6	1.1	.6	.4											846		846
																		846		846	

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.	4790003	62377	74.0	13.816	846							
Dry Bulb	1250584	31998	37.8	6.909	846		19.5					84
Wet Bulb	1051074	29358	34.7	6.182	846		29.7					84
Dew Point	798091	25209	29.8	7.451	846		49.6					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION — BITBURG AB GERMANY STATION NAME — 69-78 YEARS — FEB MONTH

PAGE 1 — 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
52/ 51				.1	.4													4	4		
50/ 49			.8		.1													8	8		
48/ 47	.2	.2	.9	.8		.1												20	20	4	2
46/ 45	.4	.9	.7	.2		.1												20	20	16	3
44/ 43	.2	2.6	1.9	.8														47	47	23	8
42/ 41		5.0	4.0	1.3	.4	.1												91	91	46	16
40/ 39	.1	5.7	3.5	.4	.5													86	86	54	30
38/ 37	.1	7.2	3.1	.9	.1													97	97	105	63
36/ 35	1.3	7.7	3.3	.7	.1													111	111	104	87
34/ 33	.2	5.8	4.1	.7	.1													93	93	110	96
32/ 31	.0	5.2	3.8															81	81	85	83
30/ 29	.7	4.0	1.3															51	51	113	80
28/ 27	.9	3.4	1.1															46	46	58	73
26/ 25	.4	3.7	.7															40	40	42	70
24/ 23	.5	2.6	.7															32	32	49	63
22/ 21	.1	.7	.1															8	8	15	41
20/ 19		.6																5	5	12	57
18/ 17		.2																2	2	5	30
16/ 15	.1	.2																3	3	3	17
14/ 13		.1																1	1	2	12
12/ 11																					11
10/ 9																					2
8/ 7																					2
TOTAL	5.9	55.9	30.1	6.0	1.7	.4													846		846
																		846		846	

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.	5293746	66214	78.3	11.480	846							
Dry Bulb	1085055	29803	35.2	6.450	846		26.7					84
Wet Bulb	945731	27817	32.9	6.066	846		38.1					84
Dew Point	750263	24435	28.9	7.278	846		53.7					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

34049 STATION | BITBURG AB GERMANY STATION NAME | c9-7d YEARS | FEB MONTH

PAGE 1 | 2100-2300 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					.4													3	3		
50/ 49		.1	.1	.4			.1											6	6		
48/ 47		.4	.2	.5														9	9	1	
46/ 45		1.9	.7	.1														23	23	8	4
44/ 43	.2	2.4	1.4	.1														35	35	24	11
42/ 41		3.9	2.0															50	50	33	15
40/ 39		5.6	2.6	.1														70	70	49	11
38/ 37	.1	10.3	2.4															108	108	88	54
36/ 35	1.4	9.2	3.6	.9														128	128	119	101
34/ 33	.7	5.6	1.5	.5														70	70	110	92
32/ 31	.8	8.0	4.1	.4														113	113	73	107
30/ 29	.9	4.9	1.7															63	63	106	70
28/ 27	1.2	5.0	.9															60	60	71	74
26/ 25	.7	4.0	.5															44	44	65	65
24/ 23	.2	2.2	.6															26	26	43	60
22/ 21	.5	1.4	.1															17	17	26	42
20/ 19		1.2																10	10	14	58
18/ 17		.1																1	1	5	36
16/ 15		.4																3	3	3	13
14/ 13	.4	.2																5	5	6	16
12/ 11		.1																	1	1	11
10/ 9																					4
6/ 5																					1
TOTAL	7.2	66.9	22.5	3.0	.4		.1												845		845
																		845		845	

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.	5639511	68513	81.1	10.003	845							
Dry Bulb	1013661	28745	34.0	6.515	845		34.1					84
Wet Bulb	901479	27099	32.1	6.198	845		41.1					84
Dew Point	738719	24219	28.7	7.267	845		55.4					84

USAFETAC FORM 0-26-5 (OL A) 8/65 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 59-78 (YEARS) FEB (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
54/ 53			.1	.0	.0	.0												10	10		
52/ 51		.0	.1	.1	.3			.0										36	36	1	
50/ 49		.2	.6	.4	.0	.0	.0	.0										89	89	8	1
48/ 47	.0	.3	.7	.5	.0	.0	.0											109	109	35	14
46/ 45	.1	1.2	1.2	.5	.1	.2	.0											227	227	100	33
44/ 43	.2	2.4	1.6	.6	.2	.0												335	335	195	55
42/ 41	.1	4.1	2.0	.4	.2	.0												462	462	332	128
40/ 39	.2	5.5	2.3	.2	.2													573	573	438	235
38/ 37	.2	7.4	2.2	.5	.1													701	701	678	456
36/ 35	.9	8.2	3.0	.6	.1													859	859	729	691
34/ 33	1.4	6.4	2.5	.4	.0													727	727	927	722
32/ 31	.9	6.5	3.0	.2	.0													713	713	694	715
30/ 29	.8	5.3	1.4	.1														512	512	759	606
28/ 27	1.3	4.7	.7	.0														455	455	546	542
26/ 25	.9	4.2	.3															364	364	476	540
24/ 23	.4	3.3	.3															270	270	353	543
22/ 21	.2	1.3	.0															98	98	201	413
20/ 19	.2	1.1																90	90	114	388
18/ 17	.2	.4																43	43	76	281
16/ 15	.2	.4																36	36	33	155
14/ 13	.1	.2																22	22	34	100
12/ 11	.1	.1																16	16	15	69
10/ 9	.1	.0																10	10	13	40
8/ 7	.0	.0																4	4	4	19
6/ 5	.0	.0																3	3	3	11
4/ 3																					4
2/ 1																					1
TOTAL	8.6	63.3	21.8	4.7	1.3	.3	.1	.0											6764		6764
																		6764		6764	

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.	44677191	544609	80.5	11.062	6764							
Dry Bulb	8254234	231302	34.2	7.138	6764		261.9					672
Wet Bulb	7289261	217501	32.2	6.609	6764		329.9					672
Dew Point	5908761	193411	28.6	7.479	6764		440.0					672

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION | BITBURG AB GERMANY STATION NAME | 9-76 YEARS | MAR MONTH

PAGE 1 | 0000-0200 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		.1		.1	.2													4	4		
52/ 51		.1	1.1	.6	.1	.1												19	19	1	
50/ 49		.6	1.4	.5	.1													25	25	2	2
48/ 47		1.4	1.1	.3	.1													27	27	25	2
46/ 45	.1	2.7	1.3	.5	.1													44	44	42	21
44/ 43	.2	3.3	2.4	.8	.2													64	64	39	31
42/ 41		3.9	5.9	1.2														102	102	55	29
40/ 39	.1	4.7	5.4	.6														101	101	62	50
38/ 37	.1	4.7	2.7	.1														71	71	117	50
36/ 35	.2	4.8	4.4	.4														92	92	97	71
34/ 33	.3	4.6	5.1	.5														98	98	85	100
32/ 31	.2	3.8	4.6	.1	.2													83	83	94	89
30/ 29	.5	3.8	2.6	.6														70	70	96	77
28/ 27	.4	3.3	1.2	.2														48	48	86	82
26/ 25	.1	1.5	.2															17	17	45	66
24/ 23	.2	2.4	.6	.1														31	31	22	93
22/ 21	.4	.9																12	12	27	46
20/ 19		.5																5	5	13	33
18/ 17		.6																6	6	6	26
16/ 15		.3																3	3	6	11
14/ 13		.3																3	3	3	13
12/ 11		.4																4	4	6	14
10/ 9	.1																	1	1	1	8
8/ 7																					8
6/ 5																					8
TOTAL	3.1	48.9	39.9	6.9	1.1	.1													930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 83 F	≤ 93 F	Total
Rel. Hum.	5595527	71483	76.9	10.432	930							
Dry Bulb	1273643	33695	36.2	7.541	930		28.3					93
Wet Bulb	1103496	31330	33.7	7.191	930		40.5					93
Dew Point	872769	27399	29.5	8.401	930		57.4					93

USAFETAC FORM 0-26-5 (OL A) 80 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION — BITBURG AB GERMANY STATION NAME — 0w7J YEARS — MAR MONTH

PAGE 1 — 0300-0500 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			.1															1	1		
52/ 51			.5	.1	.2													8	8	1	
50/ 49		1.3	1.2	.2	.1													26	26	1	1
48/ 47		2.0	1.3		.1													32	32	19	2
46/ 45		2.5	1.4	.5	.2													43	43	38	21
44/ 43		3.3	1.5	.2	.1													48	48	32	30
42/ 41	.1	4.9	1.8															64	64	58	22
40/ 39	.3	5.1	4.8	.4														99	99	60	41
38/ 37	.2	6.1	2.7	.1														85	85	99	55
36/ 35	.2	6.0	4.3	.3														101	101	86	83
34/ 33	.5	6.5	4.1	.1														104	104	110	74
32/ 31	.6	5.1	4.7	.1														98	98	102	119
30/ 29	.6	4.9	1.8	.2	.1													73	73	98	82
28/ 27	.6	3.3	1.0	.2														49	49	78	79
26/ 25	.5	2.2	.8															32	32	53	86
24/ 23	.4	1.7	.3															23	23	29	69
22/ 21	.4	.5	.4															13	13	25	37
20/ 19		1.0																9	9	7	44
18/ 17	.1	.4																5	5	16	15
16/ 15		.2																2	2	2	14
14/ 13	.2	.2																4	4	3	18
12/ 11	.3	.4																7	7	6	13
10/ 9	.3	.1																4	4	7	11
8/ 7																					7
6/ 5																					7
TOTAL	5.9	57.8	32.8	2.6	.9														930		930
																		930		930	

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.	5926811	73669	79.2	9.908	930							
Dry Bulb	1213406	32842	35.3	7.598	930		31.9					93
Wet Bulb	1067502	30774	33.1	7.276	930		42.6					93
Dew Point	865888	27298	29.4	8.340	930		60.1					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

34047 STATION | BITBURG AB GERMANY STATION NAME | 9-7.. 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
52/ 51			.5															6	6		
50/ 49		.4	.6	.2														13	13		
48/ 47		1.9	1.3	.2														32	32	15	
46/ 45		3.1	1.6	.2														40	40	32	16
44/ 43		2.3	1.5		.2													37	37	40	26
42/ 41		5.1	2.3	.6														74	74	40	34
40/ 39	.4	7.5	3.1															103	103	59	41
38/ 37		4.4	3.2	.1														72	72	100	50
36/ 35	.3	7.4	4.9															118	118	72	78
34/ 33	.6	6.8	3.8															105	105	122	76
32/ 31	.4	3.9	3.0															68	68	115	86
30/ 29	.2	5.5	1.4															66	66	80	95
28/ 27	1.1	4.8	1.0	.1														65	65	84	84
26/ 25	.6	3.4	.5	.1														44	44	53	82
24/ 23	.1	3.2	.5															36	36	34	82
22/ 21	.4	.6	.4															14	14	35	42
20/ 19	.1	.9																9	9	12	45
18/ 17		.5																5	5	10	25
16/ 15	.2	.5																7	7	7	11
14/ 13	.1	.3																4	4	8	11
12/ 11		.4																4	4	1	15
10/ 9	.3																	3	3	6	10
8/ 7	.3	.1																4	4	4	14
6/ 5	.1																	1	1	1	6
4/ 3																					1
TOTAL	5.6	63.2	29.4	1.6	.2														930		930
																		930		930	

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.	6032187	74441	80.0	8.902	930							
Dry Bulb	1165587	32127	34.5	7.747	930		33.0					93
Wet Bulb	1033046	30220	32.5	7.414	930		45.0					93
Dew Point	841711	26879	28.9	8.355	930		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

34049 STATION — BITBURG AB GERMANY STATION NAME — 9-75 YEARS — MAR 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.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61							.1											1	1			
60/ 59						.1												1	1			
58/ 57				.1	.1													2	2			
56/ 55					.2	.4	.1											7	7			
54/ 53			.1	.5		.3	.1											10	10			
52/ 51		.1	1.4	.3	.4	.1												22	22	2		
50/ 49		1.4	2.5	1.1	.3	.2												51	51	8		
48/ 47		1.5	2.2	.4	.9													46	46	42		13
46/ 45		2.5	2.6	.9	.2													59	59	47		25
44/ 43	.1	3.0	3.0	1.1	.3													70	70	60		35
42/ 41	.1	3.9	3.0	.3														68	68	66		30
40/ 39		5.4	4.6	.2	.3	.1												99	99	81		56
38/ 37	.1	4.7	3.3	.5	.5													86	86	101		68
36/ 35	.1	5.1	6.9	1.2	.1													124	124	86		95
34/ 33	.1	3.2	4.8	.9	.2													86	86	107		85
32/ 31	.2	5.1	3.2	.8	.2													88	88	101		101
30/ 29		2.2	1.4	.4														37	37	91		87
28/ 27	.2	.8	.9															20	20	48		76
26/ 25	.3	1.0	.4															16	16	31		81
24/ 23	.1	1.4	.1															15	15	20		43
22/ 21	.1	.3																4	4	19		26
20/ 19	.1	.5																6	6	4		34
18/ 17		.1																1	1	4		19
16/ 15	.2	.2																4	4	5		16
14/ 13	.1																	1	1	1		13
12/ 11	.1	.2																3	3	3		13
10/ 9	.3																	3	3	3		9
8/ 7																						5
TOTAL	2.7	42.5	40.6	8.7	3.9	1.3	.3											930	930	930		930

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.	5432877	70201	75.5	11.999	930							
Dry Bulb	1412448	35530	38.2	7.698	930		19.8					93
Wet Bulb	1203608	32796	35.3	7.118	930		33.0					93
Dew Point	946337	28661	30.8	8.239	930		52.3					93

USAFETAC FORM 0-26-5 (OL A) 101 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION | BITBURG AB GERMANY STATION NAME | 9-73 YEARS | MAR MONTH

PAGE 1 | 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
66/ 65									.2	.1								3	3		
64/ 63						.1	.3		.4	.1								9	9		
62/ 61					.2	.1	.1	.3	.5									12	12		
60/ 59				.1	.6	.3		.4	.3									17	17		
58/ 57				.2	.2	.1	.4	.3	.1									13	13		
56/ 55			.3	1.1	.3	.4	.3	.1										24	24		
54/ 53			.5	1.8	.4	.3	.1	.1										31	31	9	
52/ 51			2.4	.5	1.3		.1											40	40	12	
50/ 49		.9	1.4	1.6	.8	.1	.4											48	48	36	1
48/ 47		.9	1.5	1.7	.9	.4	.1	.1										52	52	54	14
46/ 45		1.7	3.0	3.6	1.1	.2	.1											90	90	55	32
44/ 43		1.5	2.8	2.5	1.4	.6	.4											86	86	79	49
42/ 41		3.0	5.4	3.3	1.4	.3	.1											126	126	79	38
40/ 39	.1	2.8	4.5	1.5	1.9	.2	.1											104	104	106	42
38/ 37		2.0	2.9	2.9	.3	.2												78	78	109	72
36/ 35		1.5	4.2	1.2	.8	.1												72	72	89	92
34/ 33		1.5	2.4	.4	.3													43	43	87	76
32/ 31		1.4	.9	1.1	.4													35	35	97	84
30/ 29		.8	.3	.4														14	14	47	86
28/ 27		.6	.8															13	13	26	72
26/ 25		.4	.3															7	7	26	56
24/ 23		.3																3	3	17	70
22/ 21																				1	38
20/ 19		.3																3	3		26
18/ 17	.1	.2																3	3	5	10
16/ 15		.3																3	3	2	23
14/ 13																				2	14
12/ 11																					14
10/ 9																					10
8/ 7																					6
6/ 5																					4
TOTAL	.2	20.2	33.0	24.0	12.4	3.7	2.7	1.4	1.6	.2									929		929
																		929		929	

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.	4171344	60570	65.2	15.475	929							93
Dry Bulb	1743361	39523	42.5	8.168	929		8.1					93
Wet Bulb	1364123	35009	37.7	6.950	929		22.3					93
Dew Point	956298	28663	30.9	8.786	929		51.4					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

34040 BITBURG AB GERMANY 0-7c MAR
STATION STATION NAME YEARS 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	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67										.2								2	2		
66/ 65							.6		.2	.3	.2							13	13		
64/ 63						.2	.3	.1	1.0	.6								21	21		
62/ 61					.4	.2	.2	.1	.4	.3								16	16		
60/ 59					.9	.2	.1		.2	.1								14	14		
58/ 57				1.0	.5		.4		.2									20	20		
56/ 55				1.1	.8	.3	.1	.1										22	22		
54/ 53			.5	1.6	1.2	.2	.2	.1	.1									37	37	16	
52/ 51			1.2	.8	1.1	.4		.1	.1									34	34	23	
50/ 49		.3	2.0	2.8	1.3	1.2	.5	.2										78	78	39	
48/ 47		1.4	1.2	2.0	2.4	.8	.6	.2										80	80	53	16
46/ 45	.1	1.5	3.0	3.2	1.9	.9	.4	.1										104	104	62	43
44/ 43		1.3	2.7	3.1	1.9	.4	.2											90	90	73	47
42/ 41		1.3	3.2	2.3	.9	.8	.1											79	79	86	28
40/ 39		2.4	3.3	1.8	2.6	.3	.2											97	97	103	42
38/ 37		1.3	2.7	2.6	.3	.3												67	67	120	51
36/ 35		1.4	3.9	.9	.6	.2												65	65	94	103
34/ 33	.1	.4	1.6	.4	.8	.1												32	32	88	77
32/ 31		1.3	1.0	.8	.1													29	29	78	110
30/ 29	.1	.3	.4	.1														9	9	36	71
28/ 27		.4	.4															8	8	22	60
26/ 25		.3	.1															4	4	20	75
24/ 23																				8	54
22/ 21																					36
20/ 19		.5																5	5		21
18/ 17		.3																3	3	6	26
16/ 15		.1																1	1	3	13
14/ 13																					21
12/ 11																					18
10/ 9																					10
8/ 7																					3
6/ 5																					2
4/ 3																					3

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

34049 STATION | BITBURG AB GERMANY STATION NAME | 9-70 YEARS | MAR MONTH

PAGE 2 | 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								
TOTAL	.314	.627	.324	.217	.6	6.6	4.2	1.1	2.3	1.6	.2											930			930
																						930		930	

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.	3749467	56973	61.3	16.704	930		5.9	.2				93
Dry Bulb	1894604	41224	44.3	8.510	930		17.3					93
Wet Bulb	1429461	35893	38.6	6.896	930		52.3					93
Dew Point	953391	28585	30.7	8.972	930							

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

34049 STATION | BITBURG AB GERMANY STATION NAME | 69-73 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
62/ 61								.1	.1									2		2		
60/ 59					.2	.4	.1	.3	.4	.1								15		15		
58/ 57				.2	.4	.2	.2	.3	.2									15		15		
56/ 55				1.0	.9	.4	.4	.2										27		27		
54/ 53			.4	1.1	.2	.2	.2	.2										22		22		
52/ 51		.1	1.7	.1	.5	.1	.6											30		30	10	
50/ 49		.2	2.7	1.0	.4	.3												43		43	22	
48/ 47		1.2	1.9	1.1	.5	.1	.1	.1										47		47	45	6
46/ 45	.2	2.0	2.6	1.9	.9	.3	.1											77		77	56	25
44/ 43		2.2	3.2	2.0	.9	.2												79		79	60	42
42/ 41		2.8	5.5	1.9	1.3	.4												111		111	82	58
40/ 39		3.8	4.2	1.7	1.0	.2												107		107	92	42
38/ 37	.1	3.2	5.4	1.7	.6	.1												104		104	109	50
36/ 35		1.9	5.3	1.7	.4	.2												89		89	90	96
34/ 33	.2	1.4	3.1	.5	.4													53		53	109	74
32/ 31		.8	1.5	.8	.6													34		34	91	87
30/ 29	.1	1.7	.3	.6														26		26	65	74
28/ 27	.1	.8	.6	.3														17		17	30	75
26/ 25		.6	.2															8		8	28	67
24/ 23	.1	.9	.3															12		12	19	84
22/ 21		.2																2		2	9	37
20/ 19		.1																1		1	3	26
18/ 17		.6																6		6	2	17
16/ 15		.2																2		2	6	17
14/ 13		.1																1		1	2	14
12/ 11																						16
10/ 9																						12
8/ 7																						6
6/ 5																						4
4/ 3																						1
TOTAL	.9	24.8	39.2	17.7	10.0	3.3	1.8	1.3	.8	.1									930		930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4473942	62894	67.6	15.408	930							
Dry Bulb	1616134	38058	40.9	7.949	930		10.9					93
Wet Bulb	1291263	34049	36.6	6.934	930		25.5					93
Dew Point	923979	28169	30.3	8.727	930		53.7					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

34046 STATION | BITBURG AB GERMANY STATION NAME | 6-7, YEARS | MAR MONTH

PAGE 1 | 2100-2300 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
56/ 55					.5	.1												6	6		
54/ 53				1.3	.1	.2	.1											16	16		
52/ 51			1.4	.5	.2	.1	.2											23	23		
50/ 49		1.0	2.7	1.1	.3	.2	.2											51	51	9	
48/ 47	.1	1.9	1.3	.5	.4													40	40	47	8
46/ 45	.1	2.7	1.5	.6	.5	.1												52	52	44	28
44/ 43		3.4	4.5	1.5	.4													92	92	53	37
42/ 41		3.1	4.8	1.1														82	82	56	34
40/ 39		3.3	5.5	.4	.1													87	87	90	49
38/ 37	.2	4.6	4.8	.8	.5													102	102	118	64
36/ 35		3.8	6.1	1.1														102	102	90	83
34/ 33		3.4	4.1	1.5	.3													87	87	103	87
32/ 31	.3	2.7	4.6	.9	.4													83	83	92	109
30/ 29	.2	2.4	1.3	.5	.1													42	42	87	77
28/ 27		.9	.5	.1														14	14	52	66
26/ 25	.6	.3	.6	.2														17	17	33	76
24/ 23	.2	.6	.2															10	10	20	75
22/ 21	.1	.3	.4															8	8	11	26
[illegible]	.1	.1																2	2	8	33
18/ 17		.5																5	5	3	14
16/ 15	.1	.5																7	7	9	7
14/ 13		.2																2	2	4	21
12/ 11																				1	12
10/ 9																					10
8/ 7																					10
6/ 5																					2
TOTAL	2.2	36.0	44.3	12.2	4.1	.8	.5											930	930	930	930

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.	5190356	68542	73.7	12.221	930							
Dry Bulb	1423585	35723	38.4	7.438	930		19.0					93
Wet Bulb	1201300	32784	35.3	7.007	930		32.0					93
Dew Point	926957	28201	30.4	8.489	930		54.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94049 BITBURG AB GERMANY 67 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
68/ 67										.0								2	2		
66/ 65							.1		.1	.1	.0							16	16		
64/ 63						.0	.1	.0	.2	.1								30	30		
62/ 61					.1	.0	.1	.1	.1	.0								31	31		
60/ 59				.0	.2	.1	.0	.1	.1	.0								47	47		
58/ 57				.2	.2	.0	.1	.1	.1									50	50		
56/ 55			.0	.4	.3	.2	.1	.1										86	86		
54/ 53		.0	.2	.8	.3	.2	.1	.1	.0									121	121	25	
52/ 51		.0	1.3	.4	.5	.1	.1	.0	.0									182	182	49	
50/ 49		.8	1.6	1.1	.4	.3	.1	.0										335	335	117	4
48/ 47	.0	1.5	1.5	.8	.7	.2	.1	.1										356	356	300	61
46/ 45	.1	2.3	2.1	1.4	.6	.2	.1	.0										509	509	376	211
44/ 43	.0	2.5	2.7	1.4	.7	.2	.1											566	566	427	297
42/ 41	.0	3.5	4.0	1.3	.4	.2	.0											706	706	522	273
40/ 39	.1	4.4	4.4	.8	.8	.1	.0											797	797	653	363
38/ 37	.1	3.9	3.5	1.1	.3	.1												665	665	873	460
36/ 35	.1	4.0	5.0	.8	.2	.1												763	763	704	701
34/ 33	.3	3.5	3.0	.6	.3	.0												608	608	811	649
32/ 31	.2	3.0	2.9	.6	.3													518	518	770	785
30/ 29	.2	2.7	1.2	.4	.0													337	337	600	649
28/ 27	.4	1.9	.8	.1														234	234	426	596
26/ 25	.3	1.2	.4	.0														145	145	289	589
24/ 23	.1	1.3	.3	.0														130	130	169	570
22/ 21	.2	.4	.2															53	53	127	288
20/ 19	.0	.5																40	40	47	262
18/ 17	.0	.4																34	34	52	152
16/ 15	.1	.3																29	29	40	112
14/ 13	.1	.1																15	15	23	125
12/ 11	.1	.2																18	18	17	115
10/ 9	.1	.0																11	11	17	80
8/ 7	.0	.0																4	4	4	59
6/ 5	.0																	1	1	1	33
4/ 3																					5

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

34044 STATION | BITBURG AB GERMANY STATION NAME | 3-7e YEARS | MAR MONTH

ALL HOURS L.S.T.

Tems. (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.	TOTAL W.B. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	2.9	38.5	25.9	12.2	6.3	2.0	1.2	.5	.6	.2	.0							7439	7439	7439	7439

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.	40572513	538773	72.4	14.443	7439		156.9	.2				744
Dry Bulb	11742768	288722	38.8	8.496	7439		258.2					744
Wet Bulb	9693799	262855	35.3	7.387	7439		442.1					744
Dew Point	7287330	223940	30.1	8.567	7439							744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 BITBURG AB GERMANY 0-7, APR
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200
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
58/ 57					.2	.1	.1											4	4		
56/ 55			.4	.5		.1												8	8		
54/ 53		.5	1.1	.2	.2	.5	.1											22	22		
52/ 51		.9	1.6	.2	.7	.2												30	30	7	
50/ 49		1.4	2.7	1.0	.7	.7												53	53	30	9
48/ 47		2.1	2.1	1.7	1.6	.1												64	64	51	15
46/ 45		3.6	4.4	2.2	1.2													90	90	46	28
44/ 43	.5	2.5	3.2	1.4	.5													65	65	78	35
42/ 41	.2	2.7	3.6	2.8	.5	.1												81	81	87	44
40/ 39		4.5	3.6	.7	.9	.1												82	82	71	56
38/ 37	.2	4.8	3.2	1.7	.1													82	82	96	60
36/ 35	.6	4.6	4.8	.9														88	88	87	79
34/ 33		2.5	3.1	.2														47	47	91	94
32/ 31		3.2	2.8	.1														50	50	78	72
30/ 29		3.1	.4															28	28	66	77
28/ 27	.5	.5	.6															13	13	28	73
26/ 25	.5	.2																6	6	12	73
24/ 23																				3	57
22/ 21																					13
20/ 19																					11
18/ 17																					13
16/ 15																					4
TOTAL	2.6	36.9	37.4	13.8	7.0	2.1	.2											813		813	13

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.	4567359	60173	74.0	12.834	813							
Dry Bulb	1399088	33278	40.9	6.745	813		10.7					90
Wet Bulb	1177887	30545	37.6	6.108	813		20.9					90
Dew Point	920785	26737	32.9	7.148	813		43.5					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

34040 — STATION
BITBURG AB GERMANY — STATION NAME
9-7 — YEARS
APR — MONTH

PAGE 1 — 0300-0500 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.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
56/ 55				.1														1	1			
54/ 53			1.1	.4														12	12			
52/ 51		1.0	.4	.1	.2	.2												14	16	3		
50/ 49	.1	3.2	1.7	.8	.6	.1												55	55	25		11
48/ 47	.2	1.5	3.2	1.1	.5													55	55	31		23
46/ 45	.2	4.0	4.0	1.7	1.0													92	92	29		25
44/ 43		3.1	2.4	1.4	.5													62	62	77		20
42/ 41		2.3	3.0	1.1														58	58	73		38
40/ 39		5.2	5.0	1.1	.5													106	106	67		50
38/ 37	.0	4.0	1.7	.8	.2													67	67	122		63
36/ 35	.5	6.7	6.0	1.0														116	116	61		92
34/ 33	.5	3.3	2.7	.1														56	56	104		89
32/ 31	.7	5.6	2.0	.1														78	78	34		116
30/ 29	.2	4.0	.6															43	43	75		65
28/ 27	.0	.8																12	12	48		78
26/ 25	.0	.4																8	8	19		80
24/ 23		.1																1	1	1		52
22/ 21																				1		19
20/ 19																						2
18/ 17																						16
16/ 15																						1
TOTAL	4.3	46.2	36.0	9.8	3.5	.4													840			840
																		840		840		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3130976.	64942	77.31	1.460	840							
Dry Bulb	1349202.	33212	39.5	6.465	840		15.2					90
Wet Bulb	1164579.	30865	36.7	6.027	840		24.4					90
Dew Point	942167.	27525	32.8	6.925	840		46.0					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

34044 STATION — BITBURG AB GERMANY STATION NAME — 65-75 YEARS — APR MONTH

PAGE 1 — 0600-0800 HOURS

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. Dry Bulb	TOTAL Wet Bulb	Dew Point
60/ 59					.1													1	1		
56/ 55				.1		.1												2	2		
54/ 53		.1	.9	.2														11	11	1	
52/ 51		.7	.6	.4	.2													17	17	1	
50/ 49	.1	2.4	1.2	.8	.7													47	47	29	8
48/ 47		2.2	1.7	1.4	.9													56	56	22	18
46/ 45	.3	4.8	3.6	1.4	.3													94	94	45	32
44/ 43		3.7	2.9	1.4	.3													75	75	88	26
42/ 41	.1	5.1	4.0	2.2	.3													106	106	76	53
40/ 39		5.1	4.2	1.1														94	94	81	60
38/ 37	.2	6.0	2.0	.9	.1													83	83	113	85
36/ 35	.4	5.8	5.1	.7														108	108	107	80
34/ 33	.7	4.3	3.0	.2														74	74	106	101
32/ 31	.1	4.8	2.0															62	62	94	96
30/ 29		4.2	.5															43	43	70	77
28/ 27	.9	.9	.2															18	18	50	104
26/ 25	.1	.6																6	6	12	73
24/ 23	.2	.1																3	3	4	53
22/ 21																				1	18
20/ 19																					9
18/ 17																					7
TOTAL	3.2	50.8	31.9	11.0	3.0	.1													900		900
																		900		900	

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.	5591327	70255	78.1	10.917	900							
Dry Bulb	1447664	35640	39.6	6.356	900		13.2					90
Wet Bulb	1257817	33221	36.9	5.925	900		23.1					90
Dew Point	1026574	29786	33.1	6.736	900		43.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34004 BITBURG AB GERMANY C=7 APR
STATION NUMBER STATION NAME YEARS MONTH

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

DRY BULB °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.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67	.1 .1	2		2		
66/ 65	.2 .2	4		4		
64/ 63	.1 .2 .3 .4	10		10		
62/ 61	.1 .2 .0 .2 .1	11		11		
60/ 59	.3 .2 .6 .4	14		14		
58/ 57	.2 .2 .7 1.0 .7	25		25		
56/ 55	.7 .8 1.7 .6 .3	36		36	7	
54/ 53	.7 1.3 1.2 1.7 1.3 .2	58		58	12	
52/ 51	.6 2.7 1.1 1.9 .3	59		59	24	4
50/ 49	1.0 3.9 2.4 1.7 .6 .3	91		91	62	21
48/ 47	.2 1.8 2.0 1.9 1.9 .3	80		80	75	27
46/ 45	.2 2.0 3.0 2.0 2.1 .3	87		87	92	39
44/ 43	.2 1.6 3.0 3.0 1.6 .2	88		88	84	52
42/ 41	2.4 3.7 2.7 .2	81		81	93	50
40/ 39	2.9 4.2 1.1 .6 .1	80		80	94	73
38/ 37	2.4 4.3 .7 .1	68		68	111	88
36/ 35	.1 1.1 3.1 .4	43		43	90	106
34/ 33	.2 .6 2.9 .1	36		36	74	71
32/ 31	.1 1.3 .3	20		20	44	99
30/ 29	.1 .2	3		3	35	77
28/ 27	.1 .2	3		3	4	8
26/ 25					1	53
24/ 23						22
22/ 21						8
20/ 19						5
18/ 17						4
16/ 15						1
TOTAL	1.3 19.7 30.2 18.1 14.0 6.0 3.0 1.0 .1		899		899	899

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.	4362647	61297	68.2	14.283	899							
Dry Bulb	1902733	40815	45.4	7.440	899		2.6	.2				90
Wet Bulb	1522651	36591	40.7	0.092	899		8.4					90
Dew Point	1130017	31385	34.9	6.947	899		36.0					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34048 STATION | BITBURG AB GERMANY STATION NAME | 0-7 YEARS | APR MONTH

PAGE 1 | 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. D-, Bulb	TOTAL Wet Bulb	Dew Point
74/ 73									.1									1	1		
72/ 71								.1	.3									4	4		
70/ 69						.2		.1	.1		.1							5	5		
68/ 67							.1	.6	.4	.4								14	14		
66/ 65						.1	.1	.8	.2	.7								17	17		
64/ 63					.1	.6	.6	2.2	.9									39	39		
62/ 61			.1	.1	.4	.6	1.3	.9	.2									33	33	1	
60/ 59			.2	.4	.6	1.2	1.7	.7	.1									44	44	1	
58/ 57			.2	.6	.7	1.7	1.0	.2										39	39	5	
56/ 55			.3	.4	.9	2.2	.9		.1									44	44	10	
54/ 53		.3	1.3	1.3	1.1	2.3	.9	.4										70	70	27	4
52/ 51		.4	1.0	.7	2.1	1.4	.9											64	64	47	3
50/ 49		.9	2.0	2.0	1.7	1.0	.8	.1										81	81	91	14
48/ 47		1.0	1.2	1.0	1.9	.8	.2											55	55	86	28
46/ 45	.1	1.3	2.3	2.6	2.3	1.2	.1											90	90	91	36
44/ 43		1.3	1.2	2.7	1.4	.3												63	63	65	45
42/ 41	.2	1.9	2.2	3.4	2.0	.3												91	91	81	68
40/ 39	.1	1.8	3.0	1.7	.3													62	62	89	70
38/ 37		1.4	1.4	1.9														43	43	101	77
36/ 35	.1	.7	1.0	.8														28	28	85	110
34/ 33		.4	.6	.1														10	10	54	80
32/ 31		.1	.1															2	2	36	71
30/ 29		.1																1	1	9	71
28/ 27																				1	70
26/ 25																					65
24/ 23																					51
22/ 21																					16
20/ 19																					13
18/ 17																					6
16/ 15																					2
TOTAL	.6	11.8	20.0	19.7	15.6	14.0	8.6	6.1	2.6	1.1	.1							900	900	900	900

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	≥ 92 F	Total
Rel. Hum.	3375825	52967	58.9	16.960	900							
Dry Bulb	2252393	44349	49.3	8.034	900		.3	2.4	.1			90
Wet Bulb	1655009	38175	42.4	6.306	900		4.6					90
Dew Point	1109344	30890	34.3	7.393	900		36.5					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

34064 STATION | BITBURG AB GERMANY STATION NAME | 9-7[illegible] YEARS | APR 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.	TOTAL W.B. Dry Bulb	Wet Bulb	Dew Point
74/ 73										.1								1	1		
72/ 71								.1	.1	.2								4	4		
70/ 69								.4	.4		.6							13	13		
68/ 67							.1	.9	.8	.3	.7	.2						36	36		
66/ 65						.1	.4	1.3	1.3									29	29		
64/ 63					.3	.3	.6	1.8	1.2	.1								39	39		
62/ 61					.0	.4	1.4	.9	.4									34	34		
60/ 59		.2	.1	.7	.3	.6	1.4	.6										37	37		
58/ 57				.6	.4	.7	1.3	1.2										38	38	6	
56/ 55			.1	.4	1.4	1.7	1.6	.7	.3									56	56	15	2
54/ 53		.3	1.4	1.9	1.4	1.2	1.8	.7	.1	.2								82	82	33	1
52/ 51			2.1	1.0	1.8	.8	1.2	.2										64	64	53	
50/ 49	.1	1.3	1.9	2.2	1.8	1.7	1.1	.1										92	92	101	19
48/ 47		.9	1.4	.9	1.9	1.0	.2											57	57	94	32
46/ 45		1.8	1.2	1.7	1.9	.9	.2											69	69	93	39
44/ 43		1.8	1.7	1.4	2.9	.9												78	78	88	44
42/ 41		.9	2.8	1.6	.9	.2												57	57	85	59
40/ 39		.7	2.0	1.4	.6													42	42	87	60
38/ 37	.3	1.4	1.2	1.3	.1													40	40	88	89
36/ 35		.6	.9	.7														19	19	78	93
34/ 33		.6	.9															13	13	46	80
32/ 31																				25	97
30/ 29																				8	70
28/ 27																					67
26/ 25																					45
24/ 23																					49
22/ 21																					27
20/ 19																					12
18/ 17																					6
16/ 15																					6
14/ 13																					1
12/ 11																					1
10/ 9																					1

Element (F)	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

34049 BITBURG AB GERMANY 9-73 APR
STATION STATION NAME YEARS MONTH

PAGE 2 1500-1700
HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																									TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb 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	.4	10.	41	7.	8	15.	8	16.	3	10.	4	11.	4	7.1	4.8	2.0	1.2	.2								900	900

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.	3115761	50301	55.9	18.402	900							
Dry Bulb	2401541	45787	50.9	8.959	900			5.4	.1			90
Wet Bulb	1707172	38800	43.1	6.191	900		3.3					90
Dew Point	1103056	30750	34.2	7.637	900		38.2					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

34047 BITBURG AB GERMANY 9-7 APR
STATION STATION NAME YEARS MONTH

PAGE 1 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
70/ 69									.1									1	1		
68/ 67							.2	.1	.1	.1	.1	.1						7	7		
66/ 65								.4	.2	.0								11	11		
64/ 63					.1	.0	.2	.0	.7	.1	.1							21	21		
62/ 61					.4	.3	.9	1.0	.2									26	26		
60/ 59				.3	.7	.8	1.2	.9	.3									38	38		
58/ 57		.3		.3	.6	.7	1.4	.7										36	36		
56/ 55		.1	.3	.7	.8	2.4	1.1	.2										51	51	9	1
54/ 53		.3	1.4	1.6	1.8	.9	1.0											63	63	16	2
52/ 51		.3	1.3	.9	1.9	1.1	1.1	.2										61	61	33	1
50/ 49	.2	1.1	3.1	1.3	1.4	1.2	.2	.2										80	80	68	15
48/ 47	.3	1.1	2.7	1.7	1.0	1.3	.2											80	80	86	29
46/ 45	.1	1.4	1.4	2.0	1.3	.9	.3											68	68	103	42
44/ 43	.2	1.9	1.4	1.8	2.2	.3	.1											72	72	103	41
42/ 41		2.1	3.3	1.9	1.6	.6												90	90	72	60
40/ 39	.3	2.3	2.9	2.0	.7	.1												75	75	92	61
38/ 37	.1	1.6	2.4	1.0	.3													49	49	96	70
36/ 35		1.4	2.1	.2	.2													36	36	88	110
34/ 33		1.2	1.0															25	25	66	75
32/ 31		.3	.2	.1														6	6	43	74
30/ 29		.2																2	2	19	77
28/ 27	.1																	1	1	4	77
26/ 25																				1	71
24/ 23																					48
22/ 21																					15
20/ 19																					11
18/ 17																					8
16/ 15																					8
14/ 13																					3
TOTAL	1.4	15.9	24.9	15.7	15.6	11.2	8.1	4.3	1.7	.8	.2	.1						899		899	899
																		899		899	

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.	3717338	55488	61.7	18.048	899							
Dry Bulb	2098000	42798	47.6	8.211	899		.9	.3				90
Wet Bulb	1578281	37261	41.4	6.146	899		6.7					90
Dew Point	1085311	30477	33.9	7.618	899		39.2					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 BITBURG AB GERMANY 69-72,72-76 APR
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
HOURS (LST)

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									.1									1	1		
64/ 63						.1	.1	.1	.2									5	5		
62/ 61					.2	.1												3	3		
60/ 59			.1	.1		.5	.1	.1										8	8		
58/ 57			.1	.0	.1	.2	.1	.5										14	14		
56/ 55		.1	.5		.0	.7	.1	.1										18	18	3	
54/ 53		.7	1.0	.6	.9	1.0	.7											45	45	9	1
52/ 51	.1	.7	2.0	.6	2.0	.0												49	49	21	3
50/ 49		1.9	3.2	3.0	2.3	1.0	.1											93	93	27	23
48/ 47		1.5	2.5	1.7	1.5	.9												65	65	52	19
46/ 45	.1	3.5	2.3	3.2	.6	.2	.1											82	82	63	25
44/ 43	.1	1.9	2.2	2.2	1.4	.7												69	69	95	37
42/ 41	.5	2.2	1.9	2.0	.6	.2												60	60	84	45
40/ 39	.1	2.8	2.3	1.5	1.2													65	65	82	55
38/ 37	.5	3.3	3.5	2.1	.2													78	78	80	59
36/ 35	.1	3.5	4.9	.5	.1													74	74	73	95
34/ 33		1.4	2.6	.6														39	39	100	66
32/ 31	.2	1.7	1.4	.1														28	28	87	100
30/ 29	.2	.6	.1															8	8	37	65
28/ 27	.4	.1	.1															5	5	15	75
26/ 25		.1																1	1	1	61
24/ 23																				1	32
22/ 21																					17
20/ 19																					14
18/ 17																					12
16/ 15																					6
TOTAL	2.5	26.0	31.0	18.9	11.9	6.4	1.5	.9	.4									810	810	810	810

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.	4061496	55996	69.1	15.343	810							
Dry Bulb	1590866	35412	43.7	7.266	810		4.7	.1				90
Wet Bulb	1285200	31870	39.3	6.215	810		13.4					90
Dew Point	959565	27203	33.6	7.539	810		42.4					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

3404 — STATION
BITBURG AB GERMANY — STATION NAME
9-7 — YEARS
APR — MONTH
PAGE 1
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
74/ 73									.0	.0								2	2		
72/ 71								.0	.1	.0								8	8		
70/ 69						.0		.1	.1		.1							19	19		
68/ 67							.1	.2	.2	.2	.1	.0						60	60		
66/ 65						.1	.1	.1	.2	.2								61	61		
64/ 63					.1	.2	.2	.7	.4	.0	.0							114	114		
62/ 61			.2	.0	.2	.2	.5	.4	.1									107	107	1	
60/ 59		.0	.1	.2	.2	.5	.6	.3	.1									142	142	1	
58/ 57		.0	.1	.3	.3	.6	.6	.3										156	156	11	
56/ 55		.0	.3	.4	.7	1.0	.5	.1	.1									216	216	44	3
54/ 53		.4	1.3	.9	.9	.9	.6	.2	.0	.0								363	363	98	8
52/ 51	.0	.6	1.3	.6	1.4	.6	.4	.1										360	360	189	11
50/ 49	.1	1.0	2.5	1.7	1.4	.8	.3	.1										592	592	433	120
48/ 47	.1	1.5	2.2	1.4	1.5	.6	.1											512	512	477	191
46/ 45	.1	2.8	2.7	2.1	1.4	.5	.1											672	672	562	266
44/ 43	.1	2.2	2.2	1.9	1.4	.3	.0											572	572	698	300
42/ 41	.1	2.5	3.2	2.2	.8	.2												624	624	648	423
40/ 39	.1	3.1	3.5	1.3	.6	.0												606	606	663	485
38/ 37	.2	3.2	2.5	1.3	.2													510	510	807	591
36/ 35	.2	3.0	3.5	.6	.0													514	514	689	767
34/ 33	.2	1.8	2.2	.2														300	300	641	656
32/ 31	.1	2.2	1.1	.1														246	246	471	725
30/ 29	.1	1.5	.2															128	128	321	579
28/ 27	.3	.3	.1															-	52	150	625
26/ 25	.1	.2																21	21	46	531
24/ 23	.0	.0																4	4	9	364
22/ 21																				2	133
20/ 19																					77
18/ 17																					72
16/ 15																					28
14/ 13																					4
12/ 11																					1
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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 STATION | BITBURG AB GERMANY STATION NAME | 3-7 YEARS | APR MONTH

PAGE 2 | 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. Dry Bulb	TOTAL Wet Bulb Dew Point
TOTAL	2.0	27.0	79.3	15.4	11.0	6.4	4.2	2.8	1.2	.5	.2	.0						6961	6961

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	33942729	471419	67.7	17.023	6961		45.6	9.2	.2			720
Dry Bulb	14440487	311291	44.7	8.642	6961		103.3					720
Wet Bulb	13340596	277328	39.8	6.563	6961		324.8					720
Dew Point	3285819	234753	33.7	7.281	6961							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

34047 BITBURG AB GERMANY 57-72,72-75 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200
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
66/ 65				.1	.1															2	2		
62/ 61				.2	.3	.2														6	8		
60/ 59		.1	.4	.4	1.0															15	15	2	
58/ 57			.6	1.2	.9															21	21	2	
56/ 55		.5	1.7	3.5	1.4															63	63	10	1
54/ 53	.2	2.5	2.5	3.3	1.1															84	84	24	11
52/ 51	.1	4.2	5.1	1.1	1.1	.1														99	98	63	15
50/ 49	.5	5.5	5.0	2.3	.5	.1														121	121	116	63
48/ 47	.5	5.0	5.0	1.4	.6	.1														106	106	129	78
46/ 45	.2	6.8	3.6	1.4	.7															102	102	124	104
44/ 43	.7	3.2	2.9	1.7	.4															74	74	119	0
42/ 41	.2	3.7	2.6	1.0																64	64	61	116
40/ 39	.1	3.1	1.6	.2																44	44	73	85
38/ 37	.5	1.7	.5																	24	24	65	90
36/ 35		.6																		5	5	31	63
34/ 33		.5																		4	4	12	34
32/ 31		.1																		1	1	3	32
30/ 29																							26
28/ 27																							13
26/ 25																							3
TOTAL	3.2	37.0	32.5	17.8	8.3	.6														836	836		836

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	5170923	64999	77.8	11.850	836							
Dry Bulb	1971087	40325	48.2	5.578	836		.1					93
Wet Bulb	1707386	37546	44.9	5.032	836		.3					93
Dew Point	1457325	34557	41.3	5.880	836		8.2					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

34045 BITBURG AB GERMANY 9-7 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
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			.1	.2														3	3		
62/ 61			.3	.1														4	4		
60/ 59			.1	.2	.2													5	5	1	
58/ 57		.2	.5	.5	.6													15	15	5	
56/ 55		.6	1.0	2.1	.5													43	43	7	1
54/ 53	.1	2.0	2.1	2.5	.7													73	70	23	13
52/ 51	.5	4.1	4.7	.5	.1													89	89	54	20
50/ 49	.5	6.3	6.0	2.2	.2	.1												133	133	104	70
48/ 47	.2	6.7	4.4	.8	.1													106	106	115	81
46/ 45	1.5	6.2	4.3	1.4														117	117	126	110
44/ 43	1.3	6.1	2.4	1.8														101	101	121	99
42/ 41	.3	4.5	1.7	.9														65	65	99	98
40/ 39	.1	3.0	2.5															49	49	76	89
38/ 37	.7	2.0	2.0															40	40	61	99
36/ 35	.6	1.4	.3															20	20	43	61
34/ 33	.2	.5																6	6	29	35
32/ 31	.2	.1																3	3	4	55
30/ 29																					25
28/ 27																					11
26/ 25																					2
TOTAL	6.3	44.5	33.3	13.3	2.4	.1													869		869
																		869		869	

Element (1)	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	5811067	70439	81.1	10.811	869							
Dry Bulb	1942073	40791	46.9	5.612	869		.3					93
Wet Bulb	1722200	38420	44.2	5.213	869		.4					93
Dew Point	1509460	35844	41.2	5.975	869		10.0					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

34604 BITBURG AB GERMANY 0-7 MAY
STATION STATION NAME YEARS 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
66/ 65				.2			.1											3	3		
64/ 63				.2	.3													5	5		
62/ 61			.3	.3	.6													12	12		
60/ 59		.3	1.4	.6	.4													24	26	2	
58/ 57		1.2	1.3	1.2	.5													39	39	14	1
56/ 55		1.2	2.6	2.6	.6	.1												67	67	35	10
54/ 53	.2	2.3	3.3	1.9	.4	.1												77	77	56	26
52/ 51	.2	2.4	6.5	1.4	.1													98	98	73	36
50/ 49	.4	7.3	5.0	1.5	.4	.1												143	143	111	67
48/ 47	.2	5.4	3.4	1.8	.1	.1												103	103	149	94
46/ 45	1.0	6.0	2.0	1.4	.4													113	113	131	129
44/ 43	.5	5.2	2.0	1.2														88	88	112	128
42/ 41	.5	4.4	1.7	1.4														75	75	93	111
40/ 39	.3	2.7	1.7	.1														45	45	72	93
38/ 37	.4	.9	.6	.2														20	20	50	76
36/ 35	.2	.8	.3															12	12	32	54
34/ 33		.1																1	1	12	29
32/ 31	.1	.1																2	2	7	30
30/ 29																					23
28/ 27																					17
26/ 25																					4
24/ 23																					1
TOTAL	4.2	40.9	34.0	16.1	4.2	.4	.1											929	929	929	929

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.	6029503	74135	79.8	11.058	929							
Dry Bulb	2219041	45073	48.5	5.891	929		.2					93
Wet Bulb	1950021	42265	45.5	5.411	929		.7					93
Dew Point	1701491	39341	42.3	6.184	929		7.5					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

34043 — STATION — BITBURG AB GERMANY — STATION NAME — 6-7 — YEARS — MAY — 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+	TOTAL D.B.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
78/ 77										.1								1	1			
76/ 75							.1			.1								2	2			
74/ 73						.1				.1								2	2			
72/ 71						.1	.2	.1										4	4			
70/ 69					.2	.9	.2	.1										15	16			
68/ 67					1.1	1.2	.4											25	25			
66/ 65				1.1	.5	1.1	.9	.1										34	34	1		
64/ 63			.4	.9	1.4	1.1	.2	.2										38	39	2		
62/ 61			1.3	.0	2.3	.1	.0	.1										60	60	12		
60/ 59		.2	1.2	2.3	1.0	.9	.3											65	65	32	1	
58/ 57		.4	2.3	3.0	2.3	1.5	.5											93	93	48	6	
56/ 55		1.3	3.7	4.7	2.0	1.1	.2	.1										127	127	96	26	
54/ 53		2.3	3.4	4.3	2.2	.3												116	116	107	39	
52/ 51		2.2	3.2	1.1	1.3	.4	.1											77	77	118	63	
50/ 49	.2	3.5	3.2	2.3	1.5	.2												102	102	126	116	
48/ 47	.1	1.9	1.7	.8	1.4													55	55	123	121	
46/ 45	.1	3.3	1.6	.9	.6													61	61	93	137	
44/ 43	.1	1.8	.6	.8	.1													32	32	70	86	
42/ 41		.5	.1															6	6	56	75	
40/ 39		.3	.2	.5														10	10	33	83	
38/ 37		.2	.1															3	3	14	61	
36/ 35																				6	41	
34/ 33																				3	16	
32/ 31																					28	
30/ 29																					17	
28/ 27																					8	
26/ 25																					3	
24/ 23																					1	
TOTAL	.5	18.1	23.4	23.1	19.2	9.9	4.6	.6	.3									930		930		930
																		930		930		

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	459907	64099	68.9	13.880	93							
Dry Bulb	282013	50895	54.7	6.783	93			5.0	.5			93
Wet Bulb	228577	45823	49.3	5.469	93							93
Dew Point	185378	41090	44.2	6.388	93		5.7					93

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/ AC

PSYCHROMETRIC SUMMARY

94043 BITBURG AB GER ANT — — — MAY

PERIOD 1 1200-1400 HOURS

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 DB, WB	Dry Bulb	TOTAL Wet Bulb	Dew Point
84/ 83															.1										1	1		
82/ 81															.1		.1								2	2		
80/ 79													.1			.1	.1								3	3		
78/ 77											.2		.1		.1	.4	.1								9	9		
76/ 75											.4		.3		.3										10	10		
74/ 73										.1	.4		.5		.4	.1									15	15		
72/ 71										.5	.6		.9		.3	.1									23	23		
70/ 69								.2		.4	1.6		1.1		.1	.1									32	32		
68/ 67								.3		1.2	1.3		1.4		.2										42	42	2	
66/ 65					.1		.5		.3	1.7	2.4		1.1		.1	.1									62	62	3	
64/ 63						.4		1.4	2.3		2.4		.3												77	77	8	
62/ 61					.2		1.3		1.7		3.7		1.1		.5										56	56	66	
60/ 59				1.1		1.9		2.7		2.6		1.3		.2											98	98	31	2
58/ 57			.4		1.0		2.0		2.9		1.7		1.0		.3										97	97	67	12
56/ 55			.1		3.2		1.3		2.9		2.2		.3												97	97	53	21
54/ 53			.9		1.9		2.5		2.3		1.2		.2												85	85	122	31
52/ 51		1.0		1.5		1.4		1.3		1.3															60	60	139	38
50/ 49		1.2		1.4		1.2		.7		.3															46	46	132	90
48/ 47		1.5		1.2		.7		.5		.2															40	40	95	107
46/ 45	.1	1.0		1.2		.3		.4																	28	28	99	120
44/ 43		.3		.6		.2		.1																	12	12	94	111
42/ 41		.6		.2		.5																			13	13	35	110
40/ 39						.1																			1	1	21	87
38/ 37																											8	79
36/ 35																											5	43
34/ 33																											1	23
32/ 31																												17
30/ 29																												22
28/ 27																												16
26/ 25																												4
TOTAL	.1	7.0		14.2		14.7		13.4		20.3		14.2		7.8	1.9	1.0	.3								929	929	929	929

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	34214406	54684	58.9	14.774	929							
Dry Bulb	32396761	54361	58.5	7.730	929			13.7	4.0	.4		93
Wet Bulb	2407031	47007	50.6	5.541	929				.2			93
Dew Point	1784716	40274	43.4	6.463	929		5.9					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

[illegible] BITBURG AB GERMANY [illegible] MAY

PAGE 1 1500-1700

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
66/ 65														.1									1	1		
62/ 61													.3		.1	.1							5	5		
60/ 59												.1		.3	.2	.1							7	7		
58/ 57										.1	.2	.2	.0										11	11		
56/ 55								.1		.1	.0	.3	.2	.1									14	14		
54/ 53									.1	.4	.5	.6	.3										19	19		
52/ 51									.2	.5	1.1	.4	.2										23	23		
50/ 49								.1	.4	1.1	2.4	.6											43	43	1	
48/ 47						.1		.2	1.2	2.6	3.3	.4	.2										75	75	1	
46/ 45					.2	.5	.0	1.2	2.4	2.2	.4	.1											71	71	5	1
44/ 43				.2	1.0	1.3	2.7	3.4	2.2	.2													102	102	7	
42/ 41				.1	.6	1.0	2.8	2.5	.5	.2													85	85	28	
40/ 39				.2	1.4	.6	1.9	1.2	.3	.3													63	63	56	5
38/ 37				.1	1.5	2.6	1.0	1.3	.4														78	78	74	7
36/ 35		.2	2.5	1.8	2.2	1.4	1.2	.1															87	87	89	17
34/ 33		1.3	2.4	2.0	2.0	1.1	.6																91	91	134	29
32/ 31		.5	1.2	.2	1.7	.4																	38	38	147	46
30/ 29	.1	1.7	1.5	.9	.0	.0																	52	52	130	105
28/ 27	.1	.9	.5	.4	.3	.2																	26	26	94	100
26/ 25	.1	.9	.3	.5	.4																		23	23	73	107
24/ 23		.0	.2		.1																		9	9	54	112
22/ 21		.3																					3	3	36	95
20/ 19		.1		.3																			4	4	16	85
18/ 17																									3	80
16/ 15																									2	55
14/ 13																									1	19
12/ 11																										26
10/ 9																										17
8/ 7																										22
6/ 5																										2
TOTAL	.3	6.2	12.2	12.0	14.0	10.0	11.7	5.1	4.0	4.2	2.2	.4	.2										930		930	
																							930		930	

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	≤ 85 F	≤ 93 F	Total
Rel. Hum.	3141134	51988	55.91	5.903	930							
Dry Bulb	3407355	55813	60.0	7.955	930			19.8	5.7	.8		93
Wet Bulb	2461397	47577	51.2	5.436	930			.2				93
Dew Point	1773126	40145	43.2	8.571	930		6.7					93

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

PSYCHROMETRIC SUMMARY

Dry Bulb °F	WET BULB TEMPERATURE DEPRESSION °F 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20-21	22-23	24-25	26-27	28-29	30	31+	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
78/ 77														.1		.1		.1									3		
76/ 75													.1					.1									4		
74/ 73										.1		.3		.2		.5		.1									12		
72/ 71										.3		.3		.3		.4											15		
70/ 69						.1		.2		.5		1.0		.4		.1											24		
68/ 67						.1		.3		.5		.4		.3		.1											30		
66/ 65						.1		.3		1.5		2.2		.5		.5		.1									52		
64/ 63		.1				1.1		.7		1.4		2.5		.3													42		
62/ 61				.4		.6		1.6		3.6		1.6		.3													32		
60/ 59		.2		1.4		1.7		2.1		3.4		1.5		.5		.1											105	23	4
58/ 57		.4		.5		1.5		2.4		2.2		.9		.1													74	48	3
56/ 55		1.2		.7		2.3		2.4		1.7		.5		.1													115	7	21
54/ 53		1.1		3.3		2.1		1.1		1.1		.1															93	104	27
52/ 51		1.5		1.7		.9		1.7		.8																	63	147	35
50/ 49	.2	2.5		1.7		1.1		.9		.5		.1															65	153	95
48/ 47	.2	1.3		1.7		.3		.4		.5																	51	116	102
46/ 45	.1	2.0		1.1		.9		.5																			40	90	120
44/ 43		.5		1.		.5																					20	68	107
42/ 41		.5		.2		.3																					11	41	116
40/ 39		.5		.1		.2																					8	29	70
38/ 37																												11	80
36/ 35																												5	50
34/ 33																												1	26
32/ 31																													19
30/ 29																													23
28/ 27																													19
26/ 25																													4
24/ 23																													2
TOTAL	.2	12.5	17.5	14.4	15.4	16.7	13.3	5.4	1.7	.4																	929	929	929
																											929		

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	3811321	57527	61.9	16.349	929							
Dry Bulb	3047308	52768	56.8	7.343	929			8.8	1.9			93
Wet Bulb	2319501	46147	49.7	5.314	929							93
Dew Point	1759901	39907	43.0	6.534	929		6.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION — PIRMASENS AB GERMANY STATION NAME — 69-72-76 YEARS — MAY MONTH

PAGE 1 — 2100-2300 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								.1										1	1		
70/ 69					.1	.2	.1											4	4		
68/ 67					.1	.4	.1	.1										6	6		
66/ 65					.1	.5	.4											8	8		
64/ 63			.2	.4	.2	.6	.2											14	14		
62/ 61			.4	.4	1.7	.7	.2											28	28	3	
60/ 59				.8	1.9	1.2	.1											34	34	5	
58/ 57			1.3	2.3	2.9	1.3	.2											67	67	10	
56/ 55	.1	1.9	2.5	1.9	1.9	1.6	.1											84	84	18	8
54/ 53	.2	2.9	3.9	4.2	1.8	.7	.2											117	117	78	16
52/ 51		2.4	5.1	1.9	2.9	.6												110	110	97	25
50/ 49	.4	3.3	5.6	3.1	1.4	.1												112	112	108	91
48/ 47	.2	3.6	3.3	1.1	1.1	.5												82	82	136	82
46/ 45	.4	3.3	1.3	1.9	.5	.1												63	63	128	109
44/ 43	.2	2.3	1.9	1.1	.4													49	49	85	98
42/ 41	.2	1.8	.5	.8														28	28	56	91
40/ 39		2.4	.2	.1														23	23	54	78
38/ 37		.4	.4															6	6	41	75
36/ 35																				9	71
34/ 33																				4	25
32/ 31																					33
30/ 29																					15
28/ 27																					11
26/ 25																					7
24/ 23																					1
TOTAL	1.8	24.3	26.2	20.0	17.0	8.7	.8	.2											836		836
																		836		836	

Percent (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
Hum.	4435991	59713	71.4	14.305	836							
Dry Bulb	2254585	43117	51.6	6.074	836			1.2				93
Wet Bulb	1857083	39177	46.9	5.033	836							93
Dew Point	1514461	35209	42.1	6.152	836		7.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3404 BITBURG AB GERMANY 9-7. MAY
STATION STATION NAME YEARS MONTH

PAGE 1 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
86/ 85										.0									1	1		
84/ 83									.0										1	1		
82/ 81									.1		.0	.0							7	7		
80/ 79								.0		.1	.0	.0							10	10		
78/ 77							.0	.1	.1	.2	.0								24	24		
76/ 75					.0		.1	.2	.1	.0	.0								30	30		
74/ 73						.1	.2	.2	.2	.1									48	48		
72/ 71						.2	.2	.4	.1	.0									66	66		
70/ 69				.0	.1	.3	.6	.5	.1	.0									119	119	1	
68/ 67				.0	.3	.6	.8	.7	.1	.0									178	178	3	
66/ 65			.0	.3	.3	.6	1.1	.5	.1	.0									232	232	9	1
64/ 63		.0	.1	.5	.7	1.1	1.2	.6	.0										302	302	23	
62/ 61			.5	.6	1.3	1.5	.8	.3	.0										365	365	85	
60/ 59		.1	.9	1.2	1.4	1.3	.7	.1	.1										411	411	131	12
58/ 57		.3	1.1	1.7	1.8	1.1	.5	.1											474	474	269	29
56/ 55	.0	.9	2.7	2.5	1.9	1.0	.4	.0											683	683	358	105
54/ 53	.1	1.9	2.9	2.9	1.0	.0	.2												733	733	626	192
52/ 51	.1	2.2	3.6	1.1	1.3	.5	.6												633	633	838	278
50/ 49	.3	3.9	3.7	1.8	.8	.3	.9												774	774	1012	699
48/ 47	.2	3.3	2.7	1.0	.6	.2													569	569	957	765
46/ 45	.4	3.7	1.9	1.1	.4	.0													547	547	864	936
44/ 43	.3	2.5	1.5	.9	.1														385	385	688	641
42/ 41	.2	2.0	.9	.6															265	265	477	814
40/ 39	.1	1.5	.8	.2															184	184	374	670
38/ 37	.2	.6	.4	.0															93	93	253	642
36/ 35	.1	.3	.1																37	37	133	438
34/ 33	.0	.1																	11	11	63	207
32/ 31	.0	.0																	6	6	14	240
30/ 29																						168
28/ 27																						117
26/ 25																						29
24/ 23																						5
TOTAL	2.1	23.5	24.0	16.4	12.5	9.6	6.6	3.6	1.1	.5	.1	.0							7188	7188	7188	7188

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	36417292	497584	69.2	16.566	7188							
Dry Bulb	20909223	383163	53.3	8.209	7188		.6	50.1	12.5	1.2		744
Wet Bulb	16709196	343962	47.9	5.896	7188		1.4	.4				744
Dew Point	13347858	306368	42.6	6.350	7188		57.9					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

34049 BITBURG AB GERMANY 9-70,72-78 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0200
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
74/ 73							.1											1	1		
72/ 71							.1											1	1		
70/ 69						.4	.1											4	4		
68/ 67				.1	.2		.6	.4										11	11		
66/ 65			.4	.4	.1	.4	.1											11	11		
64/ 63	.1	.5	1.1	1.2	.6	.2	.2											33	33	5	1
62/ 61	.1	1.1	2.1	2.6	.9	.4	.1											59	59	14	6
60/ 59		3.1	3.1	4.2	.6	.2												91	91	23	13
58/ 57		3.5	2.6	3.6	.7	.1												85	85	70	15
56/ 55	.1	3.0	4.0	2.7	1.0													87	87	91	49
54/ 53	1.2	4.6	5.1	2.8	1.0													119	119	103	92
52/ 51	1.1	3.0	2.2	1.1	.2													82	82	119	70
50/ 49	.4	4.6	3.6	1.0	.1													78	78	93	112
48/ 47	.2	3.3	2.0	.7														58	58	58	94
46/ 45	.2	3.8	2.3	.1														53	53	71	98
44/ 43	.1	2.7	1.0															31	31	73	69
42/ 41		1.6	1.1	.1														23	23	32	60
40/ 39		.1	.2															3	3	17	75
38/ 37																				0	34
36/ 35																				2	14
34/ 33																					6
28/ 27																					2
TOTAL	3.7	34.8	31.6	20.7	5.6	1.7	1.5	.4										810		810	810

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.	5116407	63703	78.6	11.470	810							
Dry Bulb	2394196	43754	54.0	6.163	810			1.9	.1			90
Wet Bulb	2086856	40880	50.5	5.410	810							90
Dew Point	1838720	38290	47.3	5.955	810		.2					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

34045 BITBURG AB GERMANY 9-73 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
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						.1												1	1		
68/ 67					.1	.1	.2											4	4		
66/ 65				.4	.1	.5												8	8		
64/ 63		1.0	.6	.6	.5	.2												26	26		
62/ 61		1.0	1.5	.5	.4		.1											30	30	12	6
60/ 59	.1	1.9	2.0	1.2	.5													48	48	15	8
58/ 57	.4	4.4	2.9	1.4	.2													78	78	57	12
56/ 55	.2	3.8	6.2	1.4	.5	.1												103	103	80	41
54/ 53	1.2	6.1	5.0	1.8	.1													119	119	83	84
52/ 51	1.0	4.1	4.5	.6														85	85	136	71
50/ 49	.4	6.7	5.0	1.2														111	111	91	144
48/ 47	1.0	4.4	2.0	.6														67	67	114	105
46/ 45	.7	5.7	1.4															66	66	81	90
44/ 43	.6	4.3	.5															42	42	74	85
42/ 41	.1	3.3	.5															33	33	51	48
40/ 39		1.0	.6															13	13	28	65
38/ 37	.1	.4																4	4	10	51
36/ 35		.1																1	1	6	20
34/ 33																				1	2
32/ 31																					4
30/ 29																					2
28/ 27																					1
TOTAL	5.4	48.0	32.8	10.0	2.4	1.1	.4											839	839	839	839

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.	5805346	69302	82.6	9.829	839							
Dry Bulb	2311737	43751	52.1	6.010	839			.5				90
Wet Bulb	2072548	41448	49.4	5.456	839							90
Dew Point	1871865	39325	46.9	5.847	839		.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34043 STATION | RITBURG AB GERMANY STATION NAME | 9-7 YEARS | JUN MONTH

PAGE 1 0600-0000 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
78/ 77									.1									1	1		
74/ 73								.3										3	3		
72/ 71							.2	.2										4	4		
70/ 69					.1	.1	.1											3	3		
68/ 67			.1		.2	.7												9	9		
66/ 65		.1	.3	.3		.4												11	11		
64/ 63	.1	.7	.8	1.7	.8	.2												38	38	4	2
62/ 61	.1	1.2	2.6	2.1	.2	.2												53	53	17	3
60/ 59	.1	2.2	4.1	3.3	1.1	.3	.1											102	102	34	16
58/ 57	.4	3.9	4.4	2.0	.7													103	103	82	27
56/ 55	.3	2.7	5.3	1.3	1.1	.1												98	98	101	57
54/ 53	1.2	5.4	5.0	1.8	.2													123	123	111	91
52/ 51	.4	2.7	5.2	.8														80	80	129	88
50/ 49	.7	4.6	3.9	.8	.1													90	90	102	140
48/ 47	.8	4.0	2.8	.2														68	68	124	112
46/ 45	.7	4.8	1.3	.1														55	55	77	118
44/ 43	.3	2.7	.6	.2														34	34	61	77
42/ 41		1.7	.1															16	16	37	76
40/ 39		.8	.1															8	8	10	54
38/ 37		.1																1	1	10	24
36/ 35																				1	9
34/ 33																					4
32/ 31																					1
30/ 29																					1
TOTAL	5.0	36.7	36.1	14.4	4.6	2.1	.4	.6	.1										900		900
																		900		900	

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.	5929626	72368	80.4	11.091	900							
Dry Bulb	2659258	48604	54.0	6.188	900			2.0	.4			90
Wet Bulb	2342733	45671	50.7	5.287	900							90
Dew Point	2090.07	43089	47.9	5.556	900		.2					90

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

3404- BITBURG AB GER ANY [illegible] JUL
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.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85												.1		.1				2		2		
84/ 83										.1		.2	.2					5		5		
82/ 81											.2							2		2		
80/ 79											.4							4		4		
78/ 77						.1		.3	.4	.2								10		10		
76/ 75					.1	.1		.7	.1									9		9		
74/ 73					.2		.8	.7	.1									16		16		
72/ 71				.3	.1	1.3	1.2	.3	.3									30		30		
70/ 69				.1	1.3	1.4	.9	.2	.1									37		37		
68/ 67			.2	1.2	3.3	2.3	.8	.8										75		75	3	
66/ 65		.8	1.7	2.2	1.6	1.8	.8	.7										83		83	10	
64/ 63		.2	1.7	2.6	1.6	1.2	.9											73		73	29	10
62/ 61		.9	2.1	2.2	3.2	1.4	.8	.1										95		95	81	8
60/ 59		.9	1.1	2.3	1.9	.9	.2	.1										67		67	102	19
58/ 57	.2	2.0	3.4	1.3	2.2	.8	.1											89		89	102	49
56/ 55	.4	2.9	4.0	3.0	1.8	.3	.2											114		114	102	78
54/ 53	.4	2.0	2.7	2.3	.3	.1												71		71	140	113
52/ 51	.1	1.0	2.0	1.1	.3													41		41	108	108
50/ 49	.2	.9	2.4	1.6	.2													48		48	86	145
48/ 47	.1	.7	.8	.1														13		13	59	77
46/ 45		.4	.3	.1														8		8	47	99
44/ 43		.1	.4	.1														6		6	19	63
42/ 41		.1																1		1	7	52
40/ 39		.1																1		1	5	43
38/ 37																						19
36/ 35																						8
34/ 33																						1
32/ 31																						7
30/ 29																						1
TOTAL	1.6	12.8	22.7	20.7	17.9	11.3	6.4	3.9	1.1	.3	.7	.3	.2	.1					900		900	900
																		900		900		

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.	4355396	61150	67.9	14.938	900							
Dry Bulb	3345677	54467	60.5	7.412	900			19.0	4.8	1.2		90
Wet Bulb	2674435	48823	54.2	5.367	900			.3				90
Dew Point	2208244	44250	49.2	6.024	900		.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

3404 [illegible] BITBURG AB GER ANY [illegible] YEARS JUN
STATION STATION NAME MONTH

PAGE 1 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.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87													.2	.4	.4			8		8		
86/ 85											.1	.1	.3	.2				7		7		
84/ 83								.1					.7					7		7		
82/ 81								.2		.2		.1						5		5		
80/ 79								.2	.3	.2	.2							9		9		
78/ 77							.3	.4	1.4	.8								27		27		
76/ 75						.2	.7	1.1	.8	.4	.1							30		30		
74/ 73				.1	.1	.4	1.8	1.8	1.0									47		47		
72/ 71			.1	.2	1.0	1.6	2.4	.8	1.0	.6	.1							70		70		
70/ 69			.2	.2	1.3	2.4	1.1	1.2	.7	.2								67		67	1	
68/ 67			.2	.7	1.7	1.6	1.2	.7	.6									59		59	4	
66/ 65			.1	1.3	1.3	1.6	1.9	.9	.2									66		66	18	
64/ 63			.9	1.6	1.2	3.0	1.3	.6	.1									78		78	51	7
62/ 61		.0	1.0	1.7	2.0	1.6	1.2	.6										82		82	95	8
60/ 59		1.0	2.1	2.2	2.3	2.0	.6	.2										94		94	120	24
58/ 57		1.7	1.7	1.9	1.7	1.0	.3											74		74	92	35
56/ 55		1.3	1.2	2.4	1.0	.3												64		64	110	80
54/ 53	.3	.9	.9	1.0	.9													41		41	127	107
52/ 51		.1	2.0	.2	.4	.2												27		27	92	82
50/ 49		.3	1.4	.8	.2													25		25	72	97
48/ 47		.2	.4	.1	.2													9		9	71	91
46/ 45			.2															2		2	25	107
44/ 43		.1	.1															2		2	16	72
42/ 41																					5	82
40/ 39																					1	49
38/ 37																						30
36/ 35																						7
34/ 33																						8
32/ 31																						4
30/ 29																						4
TOTAL	.3	6.2	13.2	15.0	16.2	15.9	12.9	8.8	6.1	2.4	.6	.2	1.2	.7	.2			900	900	900	900	900

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	3331656	52832	58.7	16.005	900							
Dry Bulb	3749706	57608	64.0	8.323	900			33.6	14.0	2.9		90
Wet Bulb	2767528	49670	55.2	5.408	900			.5				90
Dew Point	2124453	43351	48.2	6.357	900		.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAF, TAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34043 BITBURG AB GER ANY 2-7 JUN
STATION STATION NAME YEARS 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	TOTAL Wet Bulb	TOTAL Dew Point
90/ 89														.2	.2	.3	.2			9	9		
88/ 87													.2	.2	.2	.2				8	8		
86/ 85														.3	.3					6	6		
84/ 83													.3	.1	.1					5	5		
82/ 81										.1	.7	.3	.1							11	11		
80/ 79							.4	.1		.4	1.0	.3	.2							20	20		
78/ 77							.6	.1		.7	.4	.1	.1							18	18		
76/ 75					.1	.3	.9	.3	1.0	1.0	.3	.1								60	60		
74/ 73				.1	.1	.6	1.8	1.6	1.8	.4	.3									62	62		
72/ 71				.4	.3	1.0	1.7	1.2	.3	.1	.3									54	54		
70/ 69			.2	.4	.9	1.6	1.1	.9	.7	.7										60	60		
68/ 67		.1		.2	1.9	1.4	1.6	1.4	.7											68	68	4	
66/ 65			.2	1.6	1.2	1.6	1.8	.5	.2											61	61	29	3
64/ 63		.1	1.6	1.4	1.0	1.4	1.8	.6	.1											67	67	56	3
62/ 61		.6	2.3	2.7	2.6	2.2	1.6	.5												107	107	96	10
60/ 59		1.2	1.1	1.9	1.6	1.1	.6	.1												68	68	119	15
58/ 57		.9	2.1	1.1	1.7	1.3	.2													66	66	116	36
56/ 55	.1	1.6	1.1	1.2	1.1	.5														49	49	101	64
54/ 53	.3	.9	1.9	1.2	.6	.4														43	48	123	129
52/ 51		.2	2.1	.3	.4	.1														29	29	105	94
50/ 49		.3	1.2	.4																16	16	66	117
48/ 47			.3	.1																4	4	53	82
46/ 45		.3																		3	3	18	105
44/ 43																						12	79
42/ 41																						1	52
40/ 39																							57
38/ 37																							18
36/ 35																							24
34/ 33																							7
32/ 31																							3
30/ 29																							1
TOTAL	.4	6.2	13.5	13.5	13.5	13.9	13.2	9.5	6.6	4.3	1.8	1.1	.9	.9	.6	.2				899	899		899
																				899		899	

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.	3214169	51455	57.2	17.311	899							
Dry Bulb	3892327	58635	65.2	8.702	899			38.1	19.9	.5		90
Wet Bulb	2819842	50132	55.8	5.199	899			.4				90
Dew Point	2138112	43484	48.4	6.227	899		.4					0

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

34044 — STATION — BITBURG AB GERMANY — STATION NAME — 2-7 — YEARS — JUL — 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
88/ 87													.1	.1	.1			3	3		
86/ 85											.1	.1	.2	.7				12	10		
84/ 83													.1					1	1		
82/ 81										.1	.1	.2	.1					5	5		
80/ 79									.1	.2		.3						6	6		
78/ 77							.1	.1	.6	.7	.1							14	14		
76/ 75							.8	.8	.4	.4		.1						23	23		
74/ 73					.1	.7	1.0	1.4	.7	.2	.1							38	38		
72/ 71				.1	.3	1.1	1.9	1.0	.2	.1								43	43		
70/ 69					1.5	1.6	1.9	.9	.6	.2								62	62		
68/ 67			.4	.6	2.0	1.6	1.1	.8	.2									60	60		
66/ 65			1.3	.7	2.2	1.9	1.3	1.0										73	73	11	
64/ 63		.2	1.1	1.9	1.4	2.6	1.8	.1	.1									83	83	37	3
62/ 61		.4	1.6	2.0	2.3	.9	.9	.4										77	77	72	8
60/ 59	.3	1.4	2.4	3.1	2.1	.6	.7	.1										99	99	126	21
58/ 57		.8	1.6	1.6	1.2	1.8	.4											68	68	113	44
56/ 55	.1	2.0	2.1	3.0	1.0	.6												79	79	105	61
54/ 53	.3	1.8	2.2	2.0	.7	.2												65	65	123	102
52/ 51		.9	3.0	.7	.6	.3												49	49	104	94
50/ 49	.2	.7	1.9	.9	.1													26	26	87	117
48/ 47		.2	.3	.1	.3													9	9	73	94
46/ 45		.1	.3															4	4	33	107
44/ 43		.2	.1															3	3	15	79
42/ 41																				9	68
40/ 39																				1	47
38/ 37																					28
36/ 35																					14
34/ 33																					4
32/ 31																					6
30/ 29																					3
TOTAL	1.0	8.8	17.4	16.6	16.0	14.1	11.9	6.7	2.9	2.0	.4	.8	.6	.8	.1			900		900	

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.	3728227	55939	62.2	16.722	900							
Dry Bulb	3560422	56142	62.4	18.052	900			20.5	10.0	2.4		90
Wet Bulb	2700011	49071	54.5	15.220	900							90
Dew Point	2123212	43362	48.2	16.153	900		.9					90

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

GL[illegible] ST[illegible]
SAF[illegible]
AIR [illegible]ER SERV[illegible]

PSYCHROMETRIC SUMMARY

34.4 [illegible] BITBURG AB GER ANT [illegible]
STATION STATION NAME YEARS

PERIOD 2100-2300
HOURS

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															.1						.1												2	2		
78/ 77															.1					.2	.2												5	5		
76/ 75													.1			.1			.4														5	5		
74/ 73													.1																				1	1		
72/ 71										.1		.5		.7		.5																	15	15		
70/ 69									.3		.7		.2		.3		.1																17	17		
68/ 67					.4		.7	1.4		2.1		.2		.5																			43	43		
66/ 65			.5		.5		2.2		1.5		1.4		.6		.2																		59	59	1	
64/ 63			.4		1.1		2.1		2.0		.9		.1																				58	58	14	0
62/ 61			.9		2.1		3.3		2.3		.8		.7																				81	81	29	0
60/ 59		.1	1.0		1.6		3.5		1.7		.5		.2																				74	74	35	0
58/ 57		.1	1.7		2.3		2.7		.9		.7																						69	69	43	34
56/ 55		.9	4.2		2.1		2.0		1.7		.4																						92	92	109	56
54/ 53		1.1	2.5		4.0		2.0		2.0		.4																						106	106	124	88
52/ 51		.5	1.1		2.7		1.1		.5																								48	48	88	99
50/ 49		.2	3.0		3.7		1.6		.5																								75	75	64	111
48/ 47			1.5		2.1		.1		.2																								32	32	75	100
46/ 45			1.3		1.3																												16	16	54	94
44/ 43			.8		.1		.2																										8	8	37	52
42/ 41			.1																														1	1	14	44
40/ 39																																			5	66
38/ 37																																				29
36/ 35																																				10
34/ 33																																				8
32/ 31																																				2
TOTAL	2.5	19.2	24.7	23.2	15.6	7.6	3.0	2.2	.7	.6	.4																						≥11			≥11
																																	≥11		≥11	

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	430-508	57922	71.4	14.388	811							
Dry Bulb	2748998	46898	57.8	6.760	811			9.8	1.4			90
Wet Bulb	2263110	42630	52.6	5.244	811							90
Dew Point	1902587	38977	48.1	6.018	811		.2					90

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3429[illegible] BITBURG AB (AFB ANY) [illegible] YEARS [illegible] MONTH

PART I — ALL HOURS

°F	WET BULB TEMPERATURE DEPRESSION °F																											TOTAL D.B.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb
	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				
90/ 89																				.0	.0	.0	.0					9	9		
88/ 87																		.0		.1	.1	.1						19	19		
86/ 85																.0		.0		.1	.2							25	25		
84/ 83										.0			.0					.1		.1	.0							18	18		
82/ 81									.0	.0	.1	.1	.1	.0														23	23		
80/ 79								.0	.1	.1	.2	.1	.1															41	41		
78/ 77							.0	.1	.1	.4	.3	.1	.0															75	75		
76/ 75						.0	.1	.3	.3	.4	.3	.1	.0															127	127		
74/ 73					.0	.1	.2	.7	.7	.5	.1	.1																168	168		
72/ 71				.0	.1	.2	.7	1.0	.5	.3	.1	.1																217	217		
70/ 69				.1	.1	.7	1.1	.7	.5	.3	.1																	251	251	1	
68/ 67			.0	.2	.4	1.3	1.2	.8	.5	.2																		328	329	11	
66/ 65			.1	.5	1.2	1.0	1.1	.8	.4	.1																		372	372	28	3
64/ 63		.0	.4	1.0	1.7	1.2	1.3	.8	.2	.0																		456	456	194	32
62/ 61	.0	.8	1.5	2.1	1.8	.9	.0	.2																				584	584	412	55
60/ 59	.1	1.7	2.2	2.7	1.5	.7	.3	.1																				647	647	598	122
58/ 57	.1	2.3	2.7	1.9	1.2	.7	.1																					637	632	722	252
56/ 55	.2	2.0	3.2	2.2	1.3	.3	.0																					686	686	799	486
54/ 53	.0	3.0	3.4	2.0	.7	.1																						692	692	934	606
52/ 51	.4	1.0	3.0	.7	.3	.1																						421	421	861	706
50/ 49	.3	2.6	2.7	1.0	.2																							469	469	881	933
48/ 47	.2	1.8	1.4	.3	.1																							260	260	677	755
46/ 45	.2	1.9	.8	.0																								207	207	406	618
44/ 43	.1	1.3	.3	.1																								126	126	307	576
42/ 41	.0	.8	.2	.0																								74	74	156	482
40/ 39		.2	.1																									25	25	67	456
38/ 37	.0	.1																										5	5	29	239
36/ 35		.0																										1	1	9	106
34/ 33																														1	40
32/ 31																															27
30/ 29																															12
28/ 27																															3
TOTAL	2.4	21.2	23.8	16.7	11.0	8.7	6.4	4.1	2.3	1.3	.5	.3	.4	.3	.1	.0												6959			6959
																												6959		6959	

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.	35785335	484571	69.6	17.079	6959							
Dry Bulb	24662321	409859	58.9	8.671	6959			134.7	52.2	11.4		720
Wet Bulb	19727063	368325	52.9	5.779	6959			1.2				720
Dew Point	16297900	334128	48.0	6.056	6959		4.3					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

8404	BITBURG AB GERMANY		JUL
STATION	STATION NAME	YEARS	MONTH

PAGE 1 0000-0200 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
75/ 75										.1								1	1			
74/ 73										.1								1	1			
72/ 71					.1			.2	.3									6	6			
70/ 69			.2	.2	.3	.1		.4										12	12			
68/ 67			.2	.9	.7	.4	.1	.8	.2									35	35			
66/ 65		.1	3.3	1.6	.9	.3	.1			.1								59	59	2		
64/ 63	.1	1.2	3.5	2.2	.6	.2												73	73	25		5
62/ 61		1.4	5.1	2.3	.9	.2												91	91	55		14
60/ 59	.1	4.6	5.7	3.2	.4	.2												135	135	35		67
58/ 57	.5	5.8	4.1	2.0	.2	.1												117	117	132		69
56/ 55	.3	4.1	4.4	2.0	.2	.2												111	111	155		100
54/ 53	.3	3.4	5.1	2.9	.2													110	110	110		127
52/ 51	.7	1.1	4.9	.9														65	65	96		120
50/ 49	.3	2.5	3.2															55	55	92		95
48/ 47	.3	2.4	.4															31	31	115		78
46/ 45	.1	1.3																13	13	41		107
44/ 43		.2																2	2	8		95
42/ 41																						26
40/ 39																						7
38/ 37																						1
36/ 35																						3
32/ 31																						1
TOTAL	3.0	28.1	40.7	18.5	4.7	1.9	.2	1.4	.5	.3								917		917		917
																		917		917		

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	5850731	72493.	79.1	11.438	917							
Dry Bulb	3077370	52874.	57.7	5.594	917			5.6	.2			93
Wet Bulb	2688868	49460.	53.9	4.806	917							93
Dew Point	2403377	46689.	50.9	5.349	917		.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

3404 BITBURG AB GERMANY 27 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS (L)

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				.3											5	5		
68/ 67			.7	.2		.1	.3	.2	.1										15	15		
66/ 65		.1	2.4	.3	.2	.2	.1	.2											33	33		
64/ 63		2.2	2.6	.9		.1	.2	.3											60	60	13	3
62/ 61		2.9	3.4	1.2	.2	.3													74	74	47	25
60/ 59	.1	4.0	3.6	.5		.1													84	84	59	36
58/ 57	.6	7.5	4.6	1.2	.2	.1													134	134	115	62
56/ 55	.6	6.6	5.3	1.1	.2														142	142	147	94
54/ 53	.6	5.6	3.6	.9	.3														105	105	141	137
52/ 51	.5	3.3	6.4																94	94	99	129
50/ 49	.7	4.5	6.1																103	103	91	117
48/ 47	.3	3.6	.5																41	41	128	80
46/ 45	.2	2.1																	21	21	57	119
44/ 43	.1	.6																	8	8	18	73
42/ 41	.2																		2	2	7	29
40/ 39																						11
38/ 37																						6
TOTAL	4.5	45.1	40.6	6.5	1.2	1.0	.7	1.1	.1										921	921	921	921

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.	6494034	76800	83.4	9.883	921							
Dry Bulb	2893613	51393	55.8	5.297	921			2.0				93
Wet Bulb	2605773	48787	53.0	4.827	921							93
Dew Point	2390944	46674	50.7	5.277	921							93

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

GL OBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3404 BITBURG AB GERMANY

PAGE 1 0600-0900

Dry Bulb °F / Dew Point °F	WET BULB TEMPERATURE DEPRESSION °F 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31+	TOTAL D.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
74/ 73	.1 .1	1	3		
72/ 71	.1 .1 .1	4	4		
70/ 69	.1 .7 .1 .1 .4 .1 .1	15	15		
68/ 67	.1 1.3 .5 .4 .4 .1 .1	30	30	2	
66/ 65	.3 2.7 .5 .3 .3 .2 .2	43	43	11	2
64/ 63	2.3 3.4 1.4 .2 .1 .1	59	59	24	13
62/ 61	3.0 3.7 1.4 .4 .1 .1	81	81	54	20
60/ 59	.1 5.0 6.1 1.7 .1 .1	127	127	78	66
58/ 57	.4 5.9 3.7 1.6 .5 .1	117	117	135	69
56/ 55	.7 6.1 3.4 2.0 .2	132	132	124	106
54/ 53	.4 4.5 4.2 .9	92	92	111	130
52/ 51	.5 2.8 5.0 .1	85	85	117	99
50/ 49	.4 4.1 3.5	75	75	103	115
48/ 47	.2 2.6 .4	30	30	115	93
46/ 45	.1 1.1	11	11	29	103
44/ 43	.1 .5	5	6	13	59
42/ 41	.1	1	1	2	23
40/ 39					6
38/ 37					2
36/ 35					1
TOTAL	3.5 3.9 4.0 4.0 5.1 1.2 2.4 1.3 1.0 .7 .2 .2	921	921	921	921

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
Pr. Hum	6257633	75319	81.8	10.325	921							
Dry Bulb	3037370	52594	57.1	5.612	921			5.3	.3			93
Wet Bulb	2700612	49664	53.9	4.949	921			.2				93
Dew Point	2458703	47333	51.4	5.328	921							93

USAFETAC FORM 0-26-5 (01-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION — BITBURG AB GERMANY STATION NAME — 69-72 YEARS — JUL MONTH

 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 DB	TOTAL W.B. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
88/ 87															.1			1	1		
86/ 85								.1				.1	.1					3	3		
84/ 83											.1	.1	.1	.1				4	4		
82/ 81							.4	.1	.2	.1	.1	.1						10	10		
80/ 79					.2	.9	.1	.2			.1							14	14		
78/ 77					.1	.3	.7	.4	.3	.3		.1						21	21		
76/ 75					1.1	.7	.3	.4	.3		.2							28	28		
74/ 73				.3	1.4	1.0	.8	.2	.2									36	36		
72/ 71			.1	1.2	2.2	1.7	.7	.1		.1								56	56	3	
70/ 69		.1	.5	1.1	2.6	1.3	.3	.1										56	56	17	
68/ 67		.2	1.4	2.1	3.5	1.7	.8	.1										90	90	23	4
66/ 65		.1	2.4	2.7	1.5	.8	.2	.1										72	72	48	14
64/ 63	.1	.9	2.3	3.7	2.0	1.1	.4											96	96	89	31
62/ 61		1.2	2.6	4.3	2.3	.5												101	101	105	50
60/ 59	.2	1.7	2.9	3.3	1.4	.3												91	91	120	66
58/ 57	.3	1.7	1.8	4.0	1.8	.1												91	91	115	99
56/ 55	.2	1.2	2.3	2.5	.5													62	62	107	100
54/ 53	.2	2.4	2.3	1.4		.1												59	59	112	119
52/ 51	.1	.7	1.6															22	22	87	107
50/ 49		.5	.3															8	8	71	114
48/ 47																				23	83
46/ 45																				1	73
44/ 43																					38
42/ 41																					18
40/ 39																					4
36/ 35																					1
TOTAL	1.2	10.7	20.6	26.6	20.6	10.5	4.7	2.0	1.1	.5	.5	.4	.2	.1	.1			921	921	921	921

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	4584546	63786	69.3	13.469	921							
Dry Bulb	3798268	58766	63.8	7.268	921			32.2	11.8	2.0		93
Wet Bulb	3076655	53007	57.6	5.306	921			4.3				93
Dew Point	2615235	48791	53.0	5.756	921			.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

34043 BITBURG AB GERMANY 79-7 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 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. Dry Bulb	TOTAL Wet Bulb Dew Point
90/ 89														.2		.3		5	5		
88/ 87										.1			.1	.2	.1	.2		6	6		
86/ 85									.3	.1	.1	.4	.1	.5				15	15		
84/ 83							.3	.7	.7	.7	.3	.2	.2	.1				29	29		
82/ 81							.3	.5	.5	.5	.1		.1					22	22		
80/ 79						.4	1.0	.5	.6	.9								33	33		
78/ 77					.2	.4	1.1	1.0	.6	.2	.2	.1						37	37		
76/ 75				.1	.3	1.0	2.3	1.0	.5		.2							58	58		
74/ 73				.2	.6	2.1	2.0	1.3	.2		.1							61	61		
72/ 71		.1		1.0	1.7	2.0	2.3	.5	.2									72	72	7	
70/ 69			.3	.8	1.6	1.8	.9	.9										58	58	25	1
68/ 67		.1	.5	.9	1.6	3.5	1.4	.3										79	79	33	1
66/ 65			.8	1.8	1.7	3.4	1.4	.4										88	88	57	9
64/ 63		.3	1.3	1.7	2.4	2.0	1.6											86	86	118	29
62/ 61		.7	1.2	2.0	2.6	1.8	.5											81	81	109	39
60/ 59		1.4	1.4	2.5	2.0	1.5												81	81	125	68
58/ 57		.5	.8	1.7	1.3	.1												41	41	116	76
56/ 55		1.0	.7	2.3	.6													43	43	94	102
54/ 53		1.1	.1	.3														23	23	97	107
52/ 51			.1															1	1	79	121
50/ 49			.2															2	2	53	94
48/ 47																				8	81
46/ 45																					73
44/ 43																					64
42/ 41																					47
40/ 39																					8
38/ 37																					1
TOTAL		5.2	8.4	15.3	17.3	20.0	15.1	6.3	4.0	2.5	1.1	.8	.5	1.1	.1	.4			921		921
																		921		921	

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.	3383144	54218	58.9	14.424	921							
Dry Bulb	4302843	62491	67.9	8.259	921			48.0	26.9	9.8		93
Wet Bulb	3189140	53974	58.6	5.323	921			6.6				93
Dew Point	2527011	47931	52.0	5.950	921			.2				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

34045 STATION | BITBURG AB GERMANY STATION NAME | 9-7[illegible] YEARS | JUL 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
94/ 93																.2		2	2	
92/ 91															.1		.3	4	4	
90/ 89										.1					.3	.3		7	7	
88/ 87										.3	.1		.1	.2	.4			11	11	
86/ 85									.2	.7	1.1	.4	.2	.2	.1			27	27	
84/ 83							.2	.2	.7	1.2	.4	.2	.1					28	28	
82/ 81							.4	.4	1.4	.8	.4							32	32	
80/ 79					.1	.1	.1	1.8	.8	.3	.1							31	31	
78/ 77					.2	.5	.7	1.6	1.4	.5	.2	.1						49	49	
76/ 75					.4	.8	2.9	2.3	.5	.3	.2							69	69	
74/ 73					.9	.1	3.3	1.1	.2	.1								52	52	
72/ 71			.2	.8	.9	2.2	2.5	1.0	.2									71	71	6
70/ 69			.4	.2	2.3	2.7	2.4	.5	.3									82	82	17
68/ 67			.5	1.4	2.3	3.0	2.1	.8										93	93	33 2
66/ 65		1.0	.5	1.5	2.7	2.2	.7											79	79	93 7
64/ 63	.4	.9	2.0	1.7	2.2	1.4	.1											80	80	108 23
62/ 61	.1 .5	1.4	1.4	1.8	1.1	.2	.1											62	62	140 39
60/ 59	1.0	1.1	.9	1.0	.1													37	37	116 44
58/ 57	1.0	1.5	1.2	1.0														43	43	113 84
56/ 55	.9	.9	1.6	.8														38	38	102 109
54/ 53	.2	1.0	1.0															20	20	92 135
52/ 51		.2																2	2	56 117
50/ 49	.1	.1																2	2	35 108
48/ 47																				10 74
46/ 45																				81
44/ 43																				54
42/ 41																				30
40/ 39																				9
38/ 37																				5
TOTAL	.1 4.1	9.2	11.0	14.9	15.5	18.3	10.6	5.8	4.3	2.6	.8	.4	.4	1.0	.5	.3		921	921	921

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	3141179	51873	56.3	15.448	921							
Dry Bulb	4497720	63870	69.3	8.624	921			56.3	31.5	12.1	.2	93
Wet Bulb	3243744	54456	59.1	5.099	921			5.7				93
Dew Point	2520876	47890	52.0	5.777	921			.2				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

34047 — ST TION
BITBURG AB GERMANY — STATION NAME
2-7 — YEARS
JUL — MONTH

PAGE 1 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
92/ 91																.1			1	1		
90/ 89																	.1	.1	2	2		
88/ 87														.1		.3	.1		5	5		
86/ 85															.4		.1		5	5		
84/ 83								.2		.5	.1		.1	.2	.2	.1			14	14		
82/ 81							.3			.7	.7	.1		.1	.1				16	18		
80/ 79						.3		1.3		.5	.1		.1	.1					28	28		
78/ 77					.3	.2	1.0	1.0		.6	.2	.2	.1	.1					36	36		
76/ 75				.1	.3	1.4	1.4	1.0		.2	.1	.1							43	43		
74/ 73				.3	.4	1.3	2.5	.6		.2	.2								53	53		
72/ 71		.1		.5	1.1	2.0	1.6	.2		.2									53	53		
70/ 69			.4	.4	2.9	2.6	1.6	.2		.2									78	78	16	
68/ 67			1.0	.9	3.7	2.6	1.1	.4											89	89	17	2
66/ 65		.2	1.5	1.8	1.8	2.5	1.1	.3											86	86	59	4
64/ 63		.7	1.5	2.3	2.7	2.5	1.1	.2											101	101	96	19
62/ 61	.1	.9	1.1	2.3	2.6	2.4	.2												88	88	125	36
60/ 59	.2	1.2	2.3	2.0	2.4	.7	.1												81	81	125	68
58/ 57	.3	.8	1.2	2.1	.5														45	45	118	96
56/ 55		.5	1.3	1.7	.5														39	38	115	103
54/ 53	.1	1.0	1.3	1.2															33	33	96	113
52/ 51		.5	.8																12	12	64	96
50/ 49		.4	.7																10	10	40	101
48/ 47																					27	81
46/ 45																					1	82
44/ 43																						66
42/ 41																						36
40/ 39																						8
38/ 37																						5
36/ 35																						2
34/ 33																						1
TOTAL	.8	6.3	13.1	15.7	19.5	13.0	12.1	6.2	3.4	1.4	.4	.3	.7	.8	.5	.3	.1		919	919	919	919

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	3696726	56584	61.6	15.224	919							
Dry Bulb	4109963	61025	66.4	7.926	919			43.0	20.7	5.8		93
Wet Bulb	3112254	53276	58.0	5.087	919			3.3				93
Dew Point	2501419	47641	51.8	5.877	919			.2				93

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

U.S. GOVERNMENT PRINTING OFFICE: 1972-O-470-070

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34064 STATION — BITBURG AB GERMANY STATION NAME — 9-7 YEARS — JUL MONTH

PAGE 1 — 2100-2300 HOURS G.M.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		
82/ 81													.1					1	1		
80/ 79								.1			.1	.1						3	3		
78/ 77								.3		.1		.3						7	7		
76/ 75				.1	.1	.4	.2	.3			.2							13	13		
74/ 73					.2	.5	.3		.3	.1	.1							15	15		
72/ 71				.1	1.0	1.4	.9	.1	.1	.2								35	35		
70/ 69		.3	.8	.8	2.2	.7	.5	.4	.1									53	53	7	
68/ 67			.9	3.1	3.2	1.5	.3											82	82	3	3
66/ 65		.4	2.4	4.5	1.3	.3	.1											83	83	25	1
64/ 63		.9	3.7	3.1	1.4	.5	.3											91	91	50	10
62/ 61		1.0	4.5	3.5	2.3	.3	.1											113	113	99	32
60/ 59	.2	1.0	3.1	3.4	1.5	.3												93	93	143	47
58/ 57	.3	3.2	4.0	2.5	2.6	.2	.1											119	119	122	99
56/ 55		1.9	2.5	3.3	.4	.1												75	75	127	116
54/ 53	.1	2.4	3.2	2.0														70	70	103	122
52/ 51	.3	.4	2.2															27	27	100	122
50/ 49	.2	.9	2.2															30	30	83	112
48/ 47		.3																3	3	50	81
46/ 45																				8	84
44/ 43																					62
42/ 41																					14
40/ 39																					2
38/ 37																					5
36/ 35																					3
TOTAL	1.2	14.0	29.4	26.2	16.3	6.4	3.0	1.3	.5	.4	.4	.4	.2	.1				915	915		915

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.	4895511	65845	72.0	13.114	915							
Dry Bulb	3503866	56322	61.6	6.364	915			21.4	4.2	.4		93
Wet Bulb	2901583	51337	56.1	4.824	915			.5				93
Dew Point	2492611	47499	51.9	5.422	915			.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

3404 — STATION
BITBURG AB GERMANY — STATION NAME
0-7 — YEARS
JUL — MONTH
PART 1
ALL — HOURS

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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
94/ 93																.0		2	2		
92/ 91															.0		.0	5	5		
90/ 89										.0				.0	.0	.1	.0	14	14		
88/ 87										.1	.0		.0	.1	.1	.0		23	23		
86/ 85								.0	.1	.1	.1	.1	.1	.2	.0	.0		51	51		
84/ 83							.1	.1	.2	.2	.1	.1	.1	.1	.0			76	76		
82/ 81							.2	.2	.4	.3	.1	.0	.0	.0				83	83		
80/ 79					.0	.2	.1	.6	.3	.2	.0	.0	.0					109	109		
78/ 77					.1	.2	.4	.5	.4	.2	.1	.1	.0					150	150		
76/ 75				.0	.3	.5	.9	.7	.2	.1	.1							212	212		
74/ 73				.1	.5	.6	1.1	.4	.2	.1	.0							221	221		
72/ 71		.0	.1	.4	.9	1.2	1.0	.3	.1	.1								297	297	16	
70/ 69		.1	.4	.5	1.5	1.2	.8	.4	.1									359	359	77	1
68/ 67		.1	.9	1.3	1.9	1.7	.8	.3	.0	.0								513	513	111	12
66/ 65		.2	2.1	1.7	1.2	1.3	.7	.2		.0								543	543	295	37
64/ 63	.0	1.1	2.4	2.1	1.4	1.1	.7	.1										656	656	523	133
62/ 61	.0	1.5	2.9	2.3	1.6	.9	.1	.0										691	691	736	255
60/ 59	.2	2.7	3.3	2.2	1.1	.4	.0											729	729	851	462
58/ 57	.4	3.3	2.7	2.0	1.0	.1	.0											707	707	967	654
56/ 55	.2	3.0	2.6	2.2	.5	.0												641	641	971	832
54/ 53	.2	2.6	2.7	1.3	.1	.0												512	512	862	990
52/ 51	.3	1.1	2.7	.1														308	308	717	911
50/ 49	.2	1.6	2.0															285	285	568	656
48/ 47	.1	1.1	.2															105	105	477	651
46/ 45	.1	.6																45	45	137	722
44/ 43	.0	.2																16	16	39	521
42/ 41	.0																	3	3	9	225
40/ 39																					57
38/ 37																					25
36/ 35																					10
34/ 33																					1
32/ 31																					1
TOTAL	1.9	19.1	25.2	16.4	12.1	9.4	6.9	3.9	2.0	1.2	.6	.3	.3	.3	.2	.2	.1	7356	7356	7356	7356

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	38303504	516918	70.3	16.403	7356							
Dry Bulb	29216013	459335	62.4	8.517	7356			213.9	95.7	30.1	.2	744
Wet Bulb	23518629	413961	56.3	5.505	7356			20.6				744
Dew Point	19910176	380448	51.7	5.636	7356		.1	1.3				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

34043 BITBURG AB GERMANY 57-7 YEARS AUG MONTH

PAGE 1 0000-0200 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
74/ 73							.1											1	1		
72/ 71					.1	.2	.1											4	4		
70/ 69			.1	.2		.1												4	4		
68/ 67			.3	.5	.3	.5												16	16		
66/ 65		.4	2.1	1.1	.2	.4												39	39	2	
64/ 63	.1	2.0	2.3	2.2	.4	.3												72	72	16	6
62/ 61	.7	4.4	4.2	1.9	1.1	.7	.1											118	118	57	23
60/ 59	1.4	6.8	3.2	3.2	1.6	.3	.2											171	171	104	70
58/ 57	.3	5.6	3.4	2.8	.7	.2	.2											121	121	148	90
56/ 55	.4	5.5	4.5	2.8	.2	.5												128	128	114	112
54/ 53	.5	4.7	4.8	.8	.3	.1												103	103	135	125
52/ 51	.4	1.6	2.4															41	41	123	89
50/ 49	.1	3.5	2.4	.2														57	57	91	102
48/ 47		2.1	.4															23	23	75	107
46/ 45	.1	1.3	.1															14	14	36	95
44/ 43		.1																1	1	12	58
42/ 41																					15
40/ 39																					4
38/ 37																					8
36/ 35																					0
34/ 33																					3
TOTAL	4.2	40.0	30.8	15.8	5.0	3.5	.8												913		913
																		913		913	

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.	6109900	73930	81.0	11.034	913							
Dry Bulb	3043434	52520	57.5	4.938	913			2.5	.1			93
Wet Bulb	2700930	49476	54.2	4.659	913							93
Dew Point	2448859	47019	51.5	5.482	913							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

34034 BITBURG AB GER ANY 9-7 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS

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													2	2		
68/ 67			.3	.2	.2													10	10		
66/ 65		.2	1.1	.5	.2													19	19	1	
64/ 63	.2	1.1	1.8	.7	.4													38	38	7	5
62/ 61	.9	4.3	3.3	.8	.5													89	99	38	18
60/ 59	1.5	7.8	3.5	1.5	.4													135	135	80	48
58/ 57	.7	9.5	2.0	1.8	.7													133	133	148	73
56/ 55	.4	7.3	3.4	2.0	.4	.3												127	127	129	126
54/ 53	1.3	6.5	3.9	1.2	.2	.2												122	122	123	140
52/ 51	.9	3.7	3.4	.5	.7													84	84	109	87
50/ 49	.5	5.8	3.1	.2														83	83	94	133
48/ 47	.4	3.3	.4															36	36	90	81
46/ 45	.5	2.2	.1															26	26	65	94
44/ 43	.2	.5																7	7	25	61
42/ 41	.1	.2																3	3	3	24
40/ 39																				2	8
38/ 37																					10
36/ 35																					5
34/ 33																					1
TOTAL	7.5	51.9	26.3	9.7	4.0	.5												914		914	
																		914		914	

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	6658514	77460	84.7	10.142	914							
Dry Bulb	2865181	50973	55.8	4.960	914			1.2				93
Wet Bulb	2609840	48640	53.2	4.839	914							93
Dew Point	2415675	46723	51.1	5.461	914							93

USAFETAC FORM 0 26 5 (OL A) 101 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3404	BITBURG AB GERMANY	9-7	AUG
STATION	STATION NAME	YEARS	MONTH

PAGE 1 0000-0300 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					.1	.1												2	2		
70/ 69					.1													1	1		
68/ 67			.3	.4	.3	.2												14	14		
66/ 65		.1	1.1	.9	.2													21	21		
64/ 63	.2	1.9	2.3	1.1	.1	.2												50	50	10	3
62/ 61	.7	4.8	3.2	1.2	1.1	.4	.1											105	105	34	20
60/ 59	.5	10.6	2.6	1.5	.8	.1	.1											149	149	80	49
58/ 57	.3	8.0	3.3	1.7	.4	.1												131	131	127	111
56/ 55	.7	6.4	4.0	1.2	.3													116	116	113	129
54/ 53	1.6	6.1	4.3	.9	.4													122	122	131	111
52/ 51	1.1	3.2	3.0	.2	.5													73	73	123	90
50/ 49	.7	4.0	2.0	.3														64	64	92	128
48/ 47	.3	2.6	.4															33	33	83	91
46/ 45	.3	1.9																20	20	44	83
44/ 43	.2	1.0																11	11	20	50
42/ 41		.2																2	2	5	25
40/ 39	.1																	1	1	3	14
38/ 37																					9
36/ 35																					2
TOTAL	7.2	51.0	26.1	9.5	4.7	1.2	.2												915		915
																		915		915	

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.	6605034	77152	84.3	10.441	915							
Dry Bulb	2927686	51502	56.3	5.106	915			1.7				93
Wet Bulb	2651483	49059	53.6	4.807	915							93
Dew Point	2449441	47089	51.5	5.342	915							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3404[illegible] BITBURG AB GER ANY — STATION / STATION NAME — 9-7 YEARS — AUG MONTH

PAGE 1 0900-1100 HOURS (LST)

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		
82/ 81								.1	.2	.3								6	6		
80/ 79							.1	.2	.3									6	6		
78/ 77					.1	.1	.4	.7	.1			.1						14	14		
76/ 75					.3	.4	.5	.1	.2									17	17		
74/ 73					.6	1.3	1.4	.1	.2	.1	.2							38	38		
72/ 71			.1	.7	1.4	.9	.9	.7	.2	.1								45	45		
70/ 69			.4	1.0	2.6	1.2	.9	.3	.2									61	61	1	
68/ 67		.2	1.5	2.4	2.2	3.0	1.0	.4	.2									100	100	10	
66/ 65	.2	.3	2.3	2.1	1.4	1.5	.3											80	80	44	7
64/ 63	.1	1.3	3.0	4.3	1.3	.3	.2											96	96	92	18
62/ 61	.1	3.3	3.7	3.6	2.2	.4	.1											125	125	35	40
60/ 59		4.2	3.3	3.9	.9	.1												119	118	152	81
58/ 57	.1	1.9	2.7	2.2	.7													74	74	169	116
56/ 55	.4	2.3	2.7	1.9	.2													69	69	144	119
54/ 53	.4	1.3	2.3	1.0														46	46	101	133
52/ 51		.4	.8															11	12	66	109
50/ 49	.1	.5	.1															7	7	48	140
48/ 47																				12	70
46/ 45																					43
44/ 43																					15
42/ 41																					14
40/ 39																					6
38/ 37																					3
TOTAL	2.1	16.0	24.1	23.0	14.1	9.3	6.1	2.6	1.8	.7	.2	.1						914	915	914	914

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.	4840624	65172	71.3	14.561	914							
Dry Bulb	3707709	57955	63.3	6.355	915			29.3	8.3	.8		93
Wet Bulb	3048173	52627	57.6	4.437	914			1.1				93
Dew Point	2620995	48721	53.3	5.117	914							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

34047 BITBURG AB GERMANY 9-7 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 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
88/ 87												.1						1	1		
86/ 85									.2		.5	.2						9	9		
84/ 83									.2	.6	.3	.1			.1			14	14		
82/ 81							.1	.3	.3	.1	.2	.1	.1					21	21		
80/ 79						.4	.2	1.3	.1	1.0	.3			.1				32	32		
78/ 77					.1	.2	1.6	1.2	.9	.4	.2	.2	.2					47	47		
76/ 75					.6	1.4	1.9	1.6	.9	.7	.4	.1						71	71		
74/ 73				.1	1.3	.9	1.9	1.4	1.0	.3	.1							70	70		
72/ 71				.3	1.5	1.9	1.9	1.3	.8	.2								72	72		
70/ 69			.7	.5	1.5	2.0	1.5	.5	.1		.2							65	65	9	
68/ 67			.3	1.8	1.4	3.2	1.0	.4		.1								75	75	28	
66/ 65		.1	1.1	2.2	1.6	3.5	.5											83	83	54	3
64/ 63	.1	.9	2.0	4.2	2.3	1.9	.1											109	109	82	24
62/ 61	.1	1.8	2.4	2.8	2.6	1.0	.2											94	94	122	29
60/ 59	.1	1.5	2.0	4.2	1.4	.7												90	90	144	86
58/ 57		.7	.7	1.5	1.0	.1												36	36	173	107
56/ 55		.1	.7	.7	.2													15	15	132	95
54/ 53		.1	.5	.4														10	10	67	111
52/ 51																				43	113
50/ 49																				26	123
48/ 47																				4	86
46/ 45																					59
44/ 43																					35
42/ 41																					25
40/ 39																					7
38/ 37																					3
36/ 35																					4
34/ 33																					3
32/ 31																					1
TOTAL	.3	5.1	10.3	18.7	15.8	17.1	10.9	8.2	4.6	2.4	.9	.3	.1	.1				914	914	914	914

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.	3476398	54566	59.7	15.480	914							
Dry Bulb	4202183	62067	67.9	7.205	914			48.5	27.0	5.5		93
Wet Bulb	3189270	53836	58.9	4.471	914			3.8				93
Dew Point	2538313	47889	52.4	5.652	914		.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

3404 — STATION
BITBURG AB GER ANY — STATION NAME
9-7 — YEARS
AUG — 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.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89												.1						1		1		
88/ 87										.1		.4						5		5		
86/ 85									.1	.2	.9	.3						23		23		
84/ 83									.4	.5	.1	.5		.1				14		14		
82/ 81							.3	.5	1.3	.4	.6	.2						33		33		
80/ 79						.2	.4	1.0	.8	.3	1.1	.1	.7					42		42		
78/ 77						.1	.8	1.3	.3	.5	.8		.1					36		36		
76/ 75					.4	1.2	1.6	1.9	.8	.5	1.2							70		70		
74/ 73					.5	.3	1.9	1.5	2.0	.7	.1							70		70		
72/ 71				.5	1.3	1.8	2.6	1.9	1.2			.2						86		86		
70/ 69			.5	1.0	1.3	1.9	1.0	1.1	.1		.1							70		70	0	
68/ 67		.4	1.3	2.0	2.7	4.5	1.5	.4										119		119	31	
66/ 65	.1	.2	1.5	1.0	2.6	1.7	1.3											84		84	90	10
64/ 63	.2	1.1	1.0	1.7	3.2	1.0	.9											95		95	101	21
62/ 61		1.0	.9	2.3	2.1	1.1	.1											68		68	119	47
60/ 59	.1	1.3	1.3	2.1	.5	.3	.1											53		53	145	61
58/ 57		.3	.3	.9	1.0	.1												24		24	179	83
56/ 55			1.0	.2	.1													12		12	116	97
54/ 53		.1	.8	.1														9		9	64	103
52/ 51		.1																1		1	42	125
50/ 49																					17	126
48/ 47																					2	90
46/ 45																						69
44/ 43																						42
42/ 41																						21
40/ 39																						8
38/ 37																						6
35/ 35																						3
32/ 31																						2
30/ 29																						1
TOTAL	.4	4.6	9.5	13.1	15.8	14.9	12.6	9.6	7.4	3.4	5.0	3.0	.8	.1				915		915		915

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.	3204004	52026	56.91	6.401	915							
Dry Bulb	4440827	63389	69.3	7.351	915			57.8	29.9	8.8		93
Wet Bulb	3229891	54217	59.3	4.356	915			4.1				93
Dew Point	2519711	47713	52.1	5.889	915		.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

94049 BITBURG AB GERMANY 3-7 YEARS MONTH

PAGE 1 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.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87												.1						1	1			
86/ 85										.1	.1	.1						3	3			
84/ 83									.1		.2	.4						7	7			
82/ 81								.1		.3	.2							6	6			
80/ 79							.1	.9	.3	.5								17	17			
78/ 77					.1	.3	.7	.7	.7	.5	.4		.1					32	32			
76/ 75					.2	.5	1.1	.7	.3	.3								29	29			
74/ 73				.1	.4	.9	1.2	.6	.7	.5	.2							44	44			
72/ 71			.1	.3	1.3	1.2	1.4	1.3	.8	.3								66	66			
70/ 69			.3	.6	1.4	1.1	1.3	1.4	.8	.2	.1							70	70	4		
68/ 67		.2	1.4	2.2	2.1	2.5	1.6	.9	.2	.1								104	104	11	1	
66/ 65	.1	.4	2.3	1.4	2.0	3.1	.3	.2	.1									97	97	5	5	
64/ 63	.2	1.9	2.0	2.7	2.0	1.5	.7		.1									113	113	34	16	
62/ 61	.1	2.3	1.6	3.0	2.4	1.5	.2	.2										105	105	19	41	
60/ 59	.	2.2	2.3	3.5	.7	.5												87	87	124	100	
58/ 57		1.8	1.7	1.0	.5	.2												58	58	10	66	
56/ 55		1.0	1.7	1.3	.3													41	41	145	68	
54/ 53	.1	.8	.4	.7														18	18	107	92	
52/ 51		.2	.5															9	9	58	109	
50/ 49		.2	.1															3	3	37	132	
48/ 47		.1																1	1	14	85	
46/ 45																				1	69	
44/ 43																					46	
42/ 41																					30	
40/ 39																					8	
38/ 37																					5	
36/ 35																					3	
34/ 33																					1	
32/ 31																					1	
30/ 29																					1	
TOTAL	.7	11.1	15.9	17.7	15.6	13.5	9.0	7.1	4.1	1.1	1.3	.7	.1					911	911	911	911	

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.	3984054	58312	64.0	16.693	911							
Dry Bulb	3952117	59687	65.5	6.756	911			38.7	14.2	2.3		93
Wet Bulb	3061323	52651	57.8	4.493	911			1.5				93
Dew Point	2498681	47403	52.0	5.940	911		.2	.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/ AC

3404 [illegible] AFB, ANY [illegible]
STATION NAME YEARS

PSYCHROMETRIC SUMMARY

PAGE 1 2100-2300

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							
78/ 77										.1		.1		.1														3		
76/ 75										.1		.1																2		
74/ 73									.1	.4		.																6		
72/ 71						.1		.1	.1	1.1				.1														19		
70/ 69				.4		.7		1.0		.5		.2				.1												36		
68/ 67			.2	1.2		1.8		1.0		.7		.0		.2		.1												62		
66/ 65			.0	2.0		2.4		1.5		1.3		1.1		.4														93		
64/ 63		.2	2.5	3.5		1.7		1.5		1.4		.2		.3		.1												136	136	48	14
62/ 61		.7	4.3	3.4		3.2		2.0		.0		.3																137	137	84	30
60/ 59		.2	2.4	4.2		2.7		1.0		.1		.3																113	113	127	72
58/ 57		.1	3.9	4.2		2.9		.0				.3																109	109	104	87
56/ 55			4.4	3.3		2.0		.1		.4																		100	100	135	95
54/ 53		.2	2.0	3.2		1.3		.1																				69	69	154	126
52/ 51			1.0	2.3				.1																				31	31	91	102
50/ 49			1.3	.2																								20	20	84	140
48/ 47			.2																									2	2	42	66
46/ 45																														9	65
44/ 43																															28
42/ 41																															0
40/ 39																															1
38/ 37																															7
36/ 35																															12
34/ 33																															3
Total	1.5	23.8	39.5	20.5		12.0		5.5		4.8		1.9		.4		.1												909		909
																												909		909

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.	5250527	67905	74.7	13.994	909							
Dry Bulb	3367244	55112	60.6	5.335	909			13.3	1.3			93
Wet Bulb	2852033	50753	55.8	4.489	909			.1				93
Dew Point	2492479	47323	52.1	5.634	909							93

USAFETAC FORM 0-26 5 (01 A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBS. USE

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3404	BITBURG AB GER-ANY	0-7		AUG
STATION	STATION NAME	YEARS		MONTH

PAGE 1 ALL HOURS L.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																									TOTAL D.B. W.B. 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											
90/ 89												.0														1	1	
88/ 87										.0		.1														7	7	
86/ 85									.0	.1	.2	.2														36	36	
84/ 83									.1	.2	.1	.1		.0	.1											35	35	
82/ 81							.1	.1	.2	.3	.2	.0	.0													68	66	
80/ 79						.1	.1	.1	.2	.2	.2	.0	.1	.0												97	97	
78/ 77					.0	.1	.0	.0	.3	.2	.2	.0	.1													132	132	
76/ 75					.2	.5	.7	.0	.3	.2	.2	.0														189	189	
74/ 73				.0	.4	.4	.8	.5	.6	.2	.1															231	231	
72/ 71			.0	.2	.9	.0	1.0	.0	.4	.1		.0														294	294	
70/ 69			.3	.6	1.1	.9	.6	.4	.2	.0	.1															309	309	23	
68/ 67		.1	.8	1.5	1.4	1.8	.8	.3	.1	.0																500	500	81	1
66/ 65	.1	.3	1.6	1.5	1.3	1.5	.5	.1	.0																	516	516	264	28
64/ 63	.2	1.6	2.4	2.3	1.6	.9	.3	.0	.0																	679	679	450	107
62/ 61	.4	3.3	2.8	2.3	1.6	.7	.2	.0																		841	841	687	254
60/ 59	.5	4.8	2.9	3.0	.9	.3	.1																			916	916	936	573
58/ 57	.3	3.9	2.3	1.9	.8	.1	.1																			685	685	1238	733
56/ 55	.2	3.4	2.7	1.6	.2	.2																				608	608	1048	659
54/ 53	.5	2.8	2.5	.8	.1	.0																				499	499	887	941
52/ 51	.3	1.3	1.6	.1	.2																					250	251	655	824
50/ 49	.2	1.9	1.1	.1																						234	234	469	1030
48/ 47	.1	1.1	.2																							95	95	322	696
46/ 45	.1	.7	.0																							60	60	155	397
44/ 43	.1	.2																								19	19	57	335
42/ 41	.0	.1																								5	5	6	168
40/ 39	.0																									1	1	5	56
38/ 37																													51
36/ 35																													35
34/ 33																													11
32/ 31																													4
30/ 29																													2
TOTAL	3.0	25.4	21.5	16.0	10.9	9.2	5.6	3.7	2.4	1.5	1.1	.6	.2	.0	.0											7306		7305
																										7305	7305	

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	40131055	526523	72.1	17.279	7305							
Dry Bulb	28561381	453205	62.0	7.833	7306			193.2	80.9	17.5		744
Wet Bulb	33342943	411259	56.3	5.097	7305			10.6				744
Dew Point	19984154	379880	52.0	5.604	7305		.6	.1				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

3404 STATION — BITBURG AB GERMANY STATION NAME — 7- YEARS — SEP MONTH

PAGE 1 — 0000-0200 HOURS (G. 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						.2												2	2		
66/ 65		.1	.1	.3		.1												6	6		
64/ 63	.1	.1	.7	.4	.1	.2												15	15	2	1
62/ 61		.7	1.3	.8														25	25	2	2
60/ 59		2.5	2.8	1.2	.2													60	60	23	4
58/ 57	.9	5.1	3.7	.3	.2													92	92	59	28
56/ 55	.7	7.2	3.9	1.5	.1	.1												120	120	86	61
54/ 53	1.5	5.1	4.1	2.3	.1													116	118	130	102
52/ 51	.9	4.2	5.0	.2	.1													94	94	88	80
50/ 49	1.1	6.3	4.8	.4														113	113	107	119
48/ 47	.8	5.3	3.1	.4														86	86	138	82
46/ 45	.4	4.9	2.1	.3														70	70	90	114
44/ 43	.3	4.0	.2	.1														42	42	75	87
42/ 41		3.6	.4															36	36	47	97
40/ 39	.2	1.1																12	12	32	48
38/ 37		.2																2	2	12	47
36/ 35		.2																2	2	3	14
34/ 33																				1	5
32/ 31																					4
TOTAL	6.9	50.6	32.4	8.5	.9	.7													895		895
																		895		895	

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.	6404261	75265	84.1	9.150	895							
Dry Bulb	2444318	46502	52.0	5.615	895			.2				90
Wet Bulb	2216814	44286	49.5	5.338	895							90
Dew Point	2024930	42250	47.2	5.836	895		.4					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

34049 STATION | BITBURG AB GERMANY STATION NAME | 9-7 YEARS | SEP MONTH

PAGE 1 | 0300-0500 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
66/ 65			.1																1	1		
64/ 63		.3	.3	.4			.1												11	11		
62/ 61		.3	1.0	.3	.2														17	17	4	3
60/ 59		1.7	1.4	.7															34	34	7	2
58/ 57	.7	4.3	2.8	.3															73	73	56	14
56/ 55	.4	7.2	1.9	.2	.1														89	89	78	53
54/ 53	1.6	8.1	3.3	.4	.1														124	124	106	98
52/ 51	.9	4.7	4.0	.1	.1														88	88	95	85
50/ 49	1.6	11.0	4.6	.2															156	156	100	133
48/ 47	1.0	7.0	2.3	.1															94	94	143	103
46/ 45	.4	6.1	1.6	.1															74	74	89	98
44/ 43	.6	4.6	1.1	.2															58	58	88	88
42/ 41	.2	4.2	.4																44	44	56	67
40/ 39	.2	1.7	.1																18	18	46	67
38/ 37	.1	1.1																	11	11	18	44
36/ 35		.6																	5	5	8	26
34/ 33																					3	12
32/ 31																						4
TOTAL	7.9	63.1	25.1	3.2	.6	.1														897		897
																			897		897	

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	6829299	77945	86.9	7.923	897							
Dry Bulb	2323751	45373	50.6	5.654	897							90
Wet Bulb	2146971	43609	48.6	5.475	897							90
Dew Point	1994636	41970	46.8	5.872	897		.4					90

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

34047 BITBURG AB GERMANY 9-7 SEP
STATION STATION NAME YEARS 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
64/ 63		.3	.1	.3														7	7		
62/ 61			.4	.1														5	5	3	3
60/ 59	.3	2.0	1.7	.4														0	40	5	3
58/ 57	.9	5.3	2.7	.3														82	82	40	16
56/ 55	.8	5.9	1.5	.3	.1													77	77	81	47
54/ 53	1.7	7.8	2.9	.2	.1													114	114	100	84
52/ 51	.6	5.6	3.5	.1														87	87	80	82
50/ 49	2.1	8.7	3.1	.2	.1													128	128	117	115
48/ 47	1.1	6.8	3.5	.2														104	104	128	95
46/ 45	1.7	8.6	1.0	.1														102	102	114	123
44/ 43	.4	4.7	.6	2														53	53	91	96
42/ 41	.1	4.7	.6															50	50	52	83
40/ 39	.2	2.1	.1															22	22	41	57
38/ 37	.1	1.6																15	15	25	44
36/ 35		.8																7	7	11	30
34/ 33	.1	.1																2	2	7	13
32/ 31																					4
TOTAL	10.2	65.0	21.3	2.7	.3														895		895
																		895		895	

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.	6927521	78423	87.6	7.540	895							
Dry Bulb	2266590	44754	50.0	5.665	895							90
Wet Bulb	2103001	43103	48.2	5.513	895							90
Dew Point	1961826	41576	46.5	5.838	895		.4					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

34043 STATION — BITBURG AB GERMANY STATION NAME — 6-7 YEARS — SEP MONTH

PAGE 1 — 0900-1100 HOURS LST

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.	Dry Bulb	Wet Bulb	Dew Point
78/ 77								.1										1	1		
76/ 75							.1	.1										2	2		
74/ 73							.1	.1										2	2		
72/ 71					.1	.7	.2											9	9		
70/ 69		.1			.2	.1												4	4		
68/ 67		.2	.5	1.1	.3	.1												21	21		
66/ 65	.3	1.5	1.2	.4	.4	.2												37	37	7	
64/ 63	.7	1.7	2.0	.0	.3	.3												50	50	15	2
62/ 61	.3	1.6	2.6	2.5	.9	.1	.1											74	74	37	10
60/ 59	.2	2.8	3.9	2.7	1.8	.7												108	108	55	19
58/ 57	.1	4.9	4.1	2.0	2.3	.2												123	123	99	48
56/ 55	.6	4.0	3.7	2.3	.7													103	103	118	85
54/ 53	.6	4.0	4.4	2.6	.1	.1												107	107	113	110
52/ 51	.8	2.2	3.7	1.1	.2													72	72	125	108
50/ 49	.4	4.2	4.1	.3														82	82	107	118
48/ 47	.2	3.6	1.7	.1														50	50	106	99
46/ 45	.1	2.6	.7															30	30	59	93
44/ 43		1.7																15	15	43	79
42/ 41		.6																5	5	18	62
40/ 39		.1																1	1	4	51
38/ 37																					9
36/ 35																					2
32/ 31																					1
TOTAL	3.8	33.3	32.5	17.4	8.5	3.0	1.2	.3											896		896
																		896		896	

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.	5647236	70352	78.5	11.740	896							
Dry Bulb	2845043	50195	56.0	6.378	896			3.9	.5			90
Wet Bulb	2478000	46892	52.3	5.169	896							90
Dew Point	2194042	44050	49.2	5.635	896		.1					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

3404 — STATION
BITBURG AB GERMANY — STATION NAME
0-7 — YEARS
SEP — MONTH

PAGE 1 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
84/ 83										.1		.1						2	2		
82/ 81										.2	.3							5	5		
80/ 79								.1	.2	.2								5	5		
78/ 77								.1	.3									4	4		
76/ 75						.2	.7	.4										17	12		
74/ 73					.2	.8	.4	.2	.1									16	16		
72/ 71			.1	.1	.4	.6	.3	.2		.1								19	19		
70/ 69			.2	.4	1.3	2.1	.4	.2	.1									44	44		
68/ 67			.1	1.3	2.2	2.6	.6	1.6	.1									73	73	3	
66/ 65		.2	1.3	2.6	2.6	2.0	.7	1.6		.2								94	94	10	1
64/ 63		.4	2.2	2.6	2.5	2.1	1.4	.4										105	105	40	4
62/ 61		.2	1.6	2.1	2.2	2.0	.4	.1										80	80	77	9
60/ 59		1.7	2.8	3.9	2.5	2.3	.4											122	122	92	29
58/ 57	.1	1.3	1.1	2.1	2.2	.7	.2	.1										71	71	113	58
56/ 55	.2	1.1	2.6	2.2	1.2	.6	.1											74	74	93	90
54/ 53	.4	1.0	1.0	1.9	1.2	.2												52	52	112	91
52/ 51	.1	1.7	2.6	1.4	.3													57	57	109	90
50/ 49	.1	.7	2.7	.3	.1													35	35	96	118
48/ 47		1.2	.7															17	17	67	77
46/ 45		.3	.1															4	4	62	83
44/ 43		.6																5	5	15	73
42/ 41		.1																1	1	3	84
40/ 39																					4
38/ 37																					4
36/ 35																					11
34/ 33																					1
32/ 31																					1
30/ 29																					2
TOTAL	1.0	10.6	19.7	21.1	19.1	16.6	5.8	4.0	.9	.8	.3	.1						897	897	897	897

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.	4114344	59362	66.2	14.403	897							
Dry Bulb	3309168	54612	60.9	7.026	897			18.1	4.4	.9		90
Wet Bulb	2668993	48693	54.3	5.359	897			.3				90
Dew Point	2175665	43823	48.9	6.222	897		.3					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

34040 BITBURG Ab GERMANY 1-7 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS - 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.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85												.1	.1					2		2		
84/ 83											.2	.2						4		4		
82/ 81										.3	.2							5		5		
80/ 79								.2	.1	.4								7		7		
78/ 77							.3	.7	.1	.1								11		11		
76/ 75							1.2	.2	.2									15		15		
74/ 73						.3	.2	.3	.3	.5	.1							17		17		
72/ 71						.7	1.7	1.4	.7	.6	.1	.1						47		47		
70/ 69					1.3	3.2	1.3	.6	.6	.2								65		65		
68/ 67			.1	1.7	1.8	4.2	1.0	.8	.7	.1								93		93		
66/ 65			1.2	1.7	2.2	1.4	1.6	1.3	.1									86	18	86		
64/ 63		.3	2.0	3.0	1.8	1.9	1.4	.6										99	45	99		
62/ 61		1.0	1.0	2.9	1.6	2.7	.9											92	73	92		6
60/ 59		.8	1.6	2.3	1.8	1.1	.4											67	105	67		28
58/ 57	.1	1.2	1.7	2.1	1.3	1.1	.3											71	121	71		62
56/ 55		1.1	1.3	2.1	1.7	.7												62	98	62		58
54/ 53		1.6	2.0	1.6	1.3	.6												63	112	63		98
52/ 51		.2	1.9	1.3	.3													34	120	34		103
50/ 49		1.3	2.1	1.2														42	64	42		127
48/ 47		.3	.7															9	72	9		79
46/ 45	.1	.2	.1															4	50	4		92
44/ 43		.1																1	16	1		66
42/ 41		.1																1	3	1		64
40/ 39																						64
38/ 37																						29
36/ 35																						10
34/ 33																						7
32/ 31																						4
TOTAL	.2	8.4	15.2	20.0	16.4	18.8	10.4	5.4	2.9	1.4	.6	.3	.1					897		897		897
																		897		897		

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.	3705571	56059	62.5	15.019	897							
Dry Bulb	3526415	55847	62.3	7.425	897			20.7	6.1	1.3		90
Wet Bulb	2706792	49042	54.7	5.335	897							90
Dew Point	2142465	43477	48.5	6.265	897		.4					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

3404 — STATION
BITBURG AB GERMANY — STATION NAME
9-7 — YEARS
SEP — MONTH

PAGE 1 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
82/ 81											.1							1	1		
80/ 79										.2								2	2		
78/ 77								.2										2	2		
76/ 75							.2	.2										4	4		
74/ 73					.1	.1	.4	.2										8	8		
72/ 71					.1	.2	.4											7	7		
70/ 69				1.0	1.0	.2		.1										21	21		
68/ 67			1.0	1.2	1.0		.3	.2	.2									36	36		
66/ 65		.7	2.2	.9	.7	.1	.4											47	47	1	
64/ 63	.4	1.6	3.9	2.2	.7	.9	.1											88	88	15	
62/ 61	.3	2.3	2.9	2.1	1.2	.7												90	90	45	
60/ 59	2.3	4.1	4.6	2.1	2.0	.2												140	140	70	24
58/ 57	.2 2.5	3.2	2.3	1.7	.6	.1												95	95	115	38
56/ 55	.1 3.0	1.7	2.5	2.3	.6													91	91	114	83
54/ 53	2.5	3.3	2.0	.9														78	78	112	106
52/ 51	.3 1.5	2.5	1.6	.6														57	57	114	99
50/ 49	.2 1.2	2.5	1.0															44	44	98	118
48/ 47	.1 1.8	1.8	.4															37	37	80	67
46/ 45	2.0	1.3	.1															31	31	67	92
44/ 43	.8	.2																9	9	39	64
42/ 41	.7																	6	6	18	90
40/ 39	.2																	2	2	7	61
38/ 37																				1	38
36/ 35																					12
34/ 33																					4
TOTAL	1.0 19.	22.	5.9	24.	8.1	5.3	8.0	3.3	1.6	.3	.4	.1							896		896
																		896		896	

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	4705674	63606	71.2	13.450	896							
Dry Bulb	3043796	51878	57.9	6.692	896			8.1	1.7	.2		90
Wet Bulb	2509958	47180	52.7	5.352	896							90
Dew Point	2109386	43134	48.1	6.062	896							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

34043 STATION | BITBURG AB GER ANY STATION NAME | 0-7 YEARS | SEP MONTH

PAGE 1 | 2100-2400 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/ 69					.1	.0												8	8		
68/ 67				.1	.2	.2												5	5		
66/ 65			.8	.6	.6	.2												19	19		
64/ 63		.4	2.3	1.9	.1	.1	.1											45	45		
62/ 61		.8	2.3	1.9	.2		.1											52	52	17	3
60/ 59	.2	2.6	3.9	2.0	.2	.2												82	82	42	9
58/ 57	.7	4.1	4.1	1.9	1.0	.1												107	107	96	29
56/ 55	.6	4.6	4.0	2.6	1.2	.1												117	117	112	69
54/ 53	.4	5.1	5.2	4.5	.6													142	142	99	116
52/ 51	.4	3.1	4.6	.7	.1													80	80	110	98
50/ 49	.7	3.3	4.9	1.0	.2													91	91	122	142
48/ 47	.3	3.0	2.6	.6														60	60	103	81
46/ 45	.2	3.2	1.3															43	43	66	89
44/ 43		2.2	.6															25	25	54	81
42/ 41	.1	1.3	.2															15	15	34	64
40/ 39		.6	.1															6	6	15	62
38/ 37																				7	34
36/ 35																					18
34/ 33																					2
TOTAL	3.7	54.4	37.7	17.5	4.0	1.8	.2												897		897
																		897		897	

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.	5800715	71527	79.7	10.412	897							90
Dry Bulb	2674244	48698	54.3	5.828	897			1.3				90
Wet Bulb	2354692	45714	51.0	5.278	897							90
Dew Point	2095074	43036	48.0	5.816	897							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

34034 BITBURG AB GERMANY 67-77 SEP
STATION STATION NAME YEARS MONTH

PAGE 1 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.	TOTAL W.B. Dry Bulb	Wet Bulb	Dew Point
85/ 85												.0	.0					2	2		
84/ 83										.0	.0	.0						5	5		
82/ 81										.1	.1							11	11		
80/ 79								.0	.0	.1								14	14		
78/ 77							.0	.1	.1	.0								18	18		
76/ 75						.0	.3	.1	.0									33	33		
74/ 73					.1	.1	.2	.1	.1	.0								43	43		
72/ 71			.0	.0	.2	.4	.3	.1	.1	.0	.0							82	82		
70/ 69			.0	.1	.5	.7	.3	.1	.1	.0								142	142		
68/ 67			.1	.6	.8	1.1	.2	.3	.1	.0								230	230	3	
66/ 65		.1	.7	1.1	.8	.8	.3	.3	.0	.0								290	290	31	1
64/ 63	.1	.4	1.4	1.8	.9	.7	.5	.1										420	420	117	7
62/ 61	.1	.8	1.7	1.7	.9	.8	.3	.1										435	435	258	36
60/ 59	.1	2.0	2.7	2.3	1.1	.8	.1											653	653	399	118
58/ 57	.5	3.6	2.9	1.4	1.1	.3	.1	.1										714	714	699	293
56/ 55	.4	4.3	2.6	1.7	.9	.3	.0											733	733	785	540
54/ 53	.8	4.4	3.3	1.9	.8	.1												798	798	884	805
52/ 51	.5	2.9	3.5	.8	.2													569	569	841	745
50/ 49	.8	4.6	3.0	.6	.1													691	691	806	990
48/ 47	.4	3.6	2.1	.2														457	457	837	683
46/ 45	.4	3.5	1.0	.1														358	358	617	784
44/ 43	.2	2.3	.3	.1														208	208	421	634
42/ 41	.1	1.9	.2															158	158	231	611
40/ 39	.1	.7	.0															61	61	145	468
38/ 37	.0	.4																28	28	63	262
36/ 35		.2																14	14	22	123
34/ 33	.0	.0																2	2	11	44
32/ 31																					18
30/ 29																					2
TOTAL	4.3	35.6	26.3	14.4	8.2	6.1	2.6	1.4	.5	.3	.1	.1	.0						7170		7170
																		7170		7170	

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.	44120621	552739	77.1	14.555	7170							
Dry Bulb	22493325	397859	55.5	7.621	7170			58.3	12.8	2.4		720
Wet Bulb	19185221	368519	51.4	5.838	7170			.3				720
Dew Point	16698024	343316	47.9	5.014	7170		2.0					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

34043 BITBURG AB GER, AMY 57 CT
STATION STATION NAME YEARS MONTH

PAGE 1 0000-0700 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
62/ 61			.1	.1														2	2		
60/ 59		.3	.5	.2														12	10		
58/ 57		.0	.0		.1													13	13	6	
56/ 55	.3	1.6	.5	.1														2	26	14	12
54/ 53	1.0	3.8	.4															43	48	39	18
52/ 51	1.1	3.0	1.5															50	50	50	45
50/ 49	2.1	6.4	2.7	.1														123	123	78	69
48/ 47	1.2	7.5	1.7	.2														100	100	100	78
46/ 45	1.5	6.4	.6	.1	.1													101	101	108	87
44/ 43	.4	7.9	.4	.1	.2													84	84	107	101
42/ 41	1.1	10.2	1.2	.2														117	117	101	108
40/ 39	1.9	6.9	.6															88	99	100	105
38/ 37	1.1	4.2	1.3	.4														65	65	77	99
36/ 35	.3	3.5	1.5	.1														50	50	45	60
34/ 33	.5	1.7	.3	.3														26	26	31	34
32/ 31	.2	.4	.5															11	11	31	29
30/ 29		.6	.1															8	8	11	32
28/ 27		.1																1	1	9	14
26/ 25																				1	13
24/ 23																					11
22/ 21																					5
20/ 19																					3
18/ 17																					3
TOTAL	12.7	69.4	15.3	2.1	.4														926		926
																		926		926	

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.	7169575	81075	87.6	8.769	926							
Dry Bulb	1883332	41346	44.7	6.344	926		2.0					93
Wet Bulb	1750038	39824	43.0	6.354	926		5.2					93
Dew Point	1614121	38087	41.1	7.172	926		11.0					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/ AC

PSYCHROMETRIC SUMMARY

3404 — BITBURG AB GERMANY — 9-17 — YEARS — CT — MONTH

PAGE 1 — 0300-0500 HOURS L S T

Temp C	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
62/ 61			.2															2	2		
60/ 59		.4	.3	.1														8	8	1	
58/ 57	.1	.5	.2															8	8	11	2
56/ 55	.3	1.1	.2															18	18	10	13
54/ 53	.6	3.8	.8															48	48	24	12
52/ 51	1.1	3.5	1.3															55	55	53	38
50/ 49	1.5	8.2	2.2	.1														111	111	64	70
48/ 47	.9	6.5	1.7															84	84	95	66
46/ 45	2.3	8.8	1.1															111	111	97	98
44/ 43	1.7	6.9	.4	.1	.2													80	89	119	90
42/ 41	1.6	8.6	.2	.2														101	101	89	95
40/ 39	1.5	5.4	.3	.1														73	73	104	99
38/ 37	2.5	5.1	1.1	.1														81	81	74	100
36/ 35	1.5	4.1	.9	.4														64	64	67	76
34/ 33	.6	1.7	1.3	.1														35	35	50	34
32/ 31	.5	1.9	.5	.2														30	30	32	46
30/ 29	.2	.5	.2															9	9	27	28
28/ 27	.1	.1																2	2	8	24
26/ 25		.1																1	1	3	12
24/ 23																					8
22/ 21																					9
20/ 19																					1
18/ 17																					3
TOTAL	17.1	67.4	13.8	1.5	.2														930		930
																		930		930	

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	≤ 95 F	Total
Rel. Hum.	7417584	82680	88.9	6.497	930							93
Dry Bulb	1827023	40715	43.8	6.524	930		4.2					93
Wet Bulb	1705930	39368	42.3	6.515	930		7.0					93
Dew Point	1587837	37837	40.7	7.221	930		13.1					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

34049 BITBURG AB GERMANY 9-23 OCT
STATION STATION NAME YEARS 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
62/ 61			.2															2	2		
60/ 59		.2	.3															5	5		
58/ 57		.4	.1															5	5	5	
56/ 55	.6	1.1	1.0															25	25	13	12
54/ 53	.1	2.4	.3															26	26	18	10
52/ 51	.5	3.3	.6															43	43	42	21
50/ 49	1.6	7.0	1.3															94	94	86	68
48/ 47	.6	5.6	1.5	.1														75	75	75	55
46/ 45	2.4	9.5	.5															117	117	102	84
44/ 43	1.7	7.7	.4															92	92	118	96
42/ 41	2.6	7.6	.5															102	102	96	131
40/ 39	1.9	8.4	.6	.2														105	105	78	81
38/ 37	1.4	6.6	.5	.2														81	81	97	93
36/ 35	2.2	4.6	1.1	.3														78	78	86	102
34/ 33	.4	2.9	.9	.3														42	42	56	44
32/ 31	.3	1.9	.3															24	24	41	40
30/ 29	.1	1.0																10	10	30	30
28/ 27		.2																2	2	3	30
26/ 25		.2																2	2	3	14
24/ 23																				1	7
22/ 21																					5
20/ 19																					5
18/ 17																					2
TOTAL	16.9	70.9	11.1	1.2															930		930
																		930		930	

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.	7456048	82930	89.2	8.104	930							
Dry Bulb	1758498	40000	43.0	6.401	930		3.8					93
Wet Bulb	1649635	38715	41.6	6.393	930		7.8					93
Dew Point	1535387	37215	40.0	7.051	930		13.3					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/ AF

PSYCHROMETRIC SUMMARY

3404 BITBURG AB GERMANY 0-7 OCT

STATION NUMBER STATION NAME YEARS MONTH

PAGE 1 0900-1100

HOURS

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.	TOTAL W.B.	Dry Bulb	Wet Bulb	Dew Point
68/ 67						.1																1	1			
66/ 65					.2																	2	2			
64/ 63				.3	.1	.1																5	5			
62/ 61			.1	.6	.6	.1																15	15			
60/ 59			.4	.6	.2	.1																13	13			1
58/ 57		1.1	1.5	.5	.4																	31	31	17		3
56/ 55	.2	1.5	1.7	.1	.2	.1																35	38	25		14
54/ 53	1.0	5.6	1.7	1.4			.1															93	93	57		34
52/ 51	.6	3.1	1.0	.6	.1																	60	60	72		60
50/ 49	1.0	6.7	4.5	.6	.4	.1																122	122	71		92
48/ 47	1.4	7.3	2.7	.4	.2	.2																111	111	106		71
46/ 45	1.3	8.7	1.7	.3	.3																	117	117	121		110
44/ 43	.4	6.4	1.1	.3	.1																	80	80	124		94
42/ 41	.6	5.7	1.1	.4																		73	73	82		98
40/ 39	1.1	4.3	1.0	.3	.2																	70	70	83		87
38/ 37	.3	4.1	.6	.3																		51	51	50		76
36/ 35	.3	1.6	.6	.1																		25	25	51		61
34/ 33	.1	1.2	.2																			14	14	31		41
32/ 31	.5	.1																				6	6	15		34
30/ 29																								1		23
28/ 27																										12
26/ 25																										7
24/ 23																										4
22/ 21																										3
20/ 19																										1
TOTAL	9.3	57.7	23.6	8.9	2.0	.4	.1															928	928	928		928

Element X¹	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 45 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	6733713	78409	84.5	10.831	928							
Dry Bulb	208553	43609	47.0	6.508	928		.6	.1				93
Wet Bulb	1894712	41536	44.8	6.199	928		1.7					93
Dew Point	1713225	39349	42.4	6.948	928		8.4					93

USAFETAC FORM 0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34043 BITBURG AB GERMANY 57 6
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1400
HOURS - S

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. Dry Bulb	TOTAL Wet Bulb	Dew Point
70/ 69					.3	.4														7	7		
68/ 67				.1	.5	.3	.1			.1										11	11		
66/ 65			.1	.6	.8	.8	.1													27	22		
64/ 63			.8	1.9	.9	.5	.8	.1												46	46		
62/ 61		.1	.5	1.4	1.3	.2														33	33	10	
60/ 59		.8	1.2	2.0	1.1	.5			.3	.1										61	61	29	1
58/ 57	.1	1.1	1.6	2.0	.7	.2			.4											62	62	39	15
56/ 55	.1	1.1	2.7	1.9	.8	.2	.1													61	61	56	2
54/ 53	.3	3.0	2.5	3.5	1.5	.5	.3													109	109	80	
52/ 51	.2	1.6	3.2	2.2	1.3	.3	.4													86	86	90	58
50/ 49	1.0	2.8	4.2	2.8	.9	.4	.2													115	115	81	93
48/ 47	.4	3.5	3.1	1.3	.4	.4														86	86	104	79
46/ 45	.3	4.0	1.6	1.0	.2	.3														69	69	135	99
44/ 43	.1	2.7	1.9	.9	.5															57	57	101	85
42/ 41	.2	3.0	1.3	.3	.2															46	46	63	105
40/ 39	.3	2.4	.3																	32	32	65	70
38 37		1.8	.3																	20	20	43	67
36/ 35	.3	.3																		6	6	29	69
34/ 33	.1																			1	1	5	34
32/ 31																							19
30/ 29																							8
28/ 27																							17
26/ 25																							11
24/ 23																							10
TOTAL	3.9	28.2	25.5	22.6	11.5	5.3	2.0	.6	.2												930		930
																				930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs
Rel Hum	5297219	68859	74.01	4.627	930
Dry Bulb	2532029	48051	51.7	7.288	930
Wet Bulb	2125001	44075	47.4	6.240	930
Dew Point	1778000	40100	43.1	7.259	930

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum							
Dry Bulb			1.8				93
Wet Bulb							93
Dew Point		6.5					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

3404 — STATION — BITBURG AB GER ANY — STATION NAME — 9-7 — YEARS — OCT — 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.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 71						.1												1	1			
70/ 69					.2	.2	.1											8	8			
68/ 67			.1	.2	1.2	1.2	.6	.1										40	39			
66/ 65			.2	1.1	.5	.5	.4											26	26			
64/ 63			1.3	1.9	1.6	.9	.4											51	51		2	
62/ 61			.5	2.2	2.2	.8	.1	.1										50	50		18	1
60/ 59		.9	.4	1.9	.6	.4	.2		.2									45	45		43	
58/ 57		.6	1.0	1.8	1.1	.4	.1											47	47		49	20
56/ 55		2.2	2.3	2.9	.9	.4	.2	.1										88	88		57	41
54/ 53		1.5	1.9	4.2	2.4	.6	.4	.1										104	104		82	46
52/ 51	.2	1.6	4.6	2.4	1.2	.3	.4											100	100		76	46
50/ 49	.3	2.3	4.6	2.6	.9	.5	.1											107	107		85	100
48/ 47	.1	1.8	3.6	1.4	1.1	.3												79	79		113	81
46/ 45	.3	2.3	1.3	1.2	.6	.1												55	55		114	94
44/ 43		2.8	1.3	.6	.3													47	47		94	79
42/ 41	.3	2.4	.9	.2	.1													36	36		68	85
40/ 39	.1	1.7	.5															24	24		62	92
38/ 37	.1	1.6	.3															19	19		41	77
36/ 35	.1	.2	.1															4	4		22	53
34/ 33																					4	42
32/ 31																						27
30/ 29																						11
28/ 27																						11
26/ 25																						17
24/ 23																						7
TOTAL	1.0	21.8	26.1	24.6	15.5	6.5	3.2	.4	.2									930		930		930

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	≥ 53 F	Total
Rel. Hum.	492701	66389	71.4	14.281	930							
Dry Bulb	264830	49138	52.8	7.592	930			4.8				93
Wet Bulb	2183546	44660	48.0	6.471	930							93
Dew Point	1794268	40250	43.3	7.501	930		7.3					93

USAFETAC FORM 0-26-5 (OL A) 201 A2 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34047 BITBURG AB GERMANY 2-7 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000
HOURS (LST)

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. Dry Bulb	TOTAL Wet Bulb	Dew Point
68/ 67				.1														1	1		
66/ 65				.2														2	2		
64/ 63				1.2	.5													16	16		
62/ 61		.2	1.3	.8	.2	.2												28	26	2	
60/ 59		.4	1.6	1.6	.1	.2												37	37	5	
58/ 57	.1	1.3	1.7	1.2	.3	.2												45	45	38	7
56/ 55	.1	1.3	3.2	1.2	.1	.1												56	56	37	22
54/ 53	.5	3.3	4.1	2.2		.2	.1											97	97	64	46
52/ 51	.2	2.9	2.8	.8	.1													61	61	74	38
50/ 49	.8	4.2	4.2	1.8	.3	.1												110	110	95	96
48/ 47	.5	3.9	4.3	1.8	.4	.2												97	97	94	83
46/ 45	.3	6.6	3.8	1.1	.3	.1												113	113	98	84
44/ 43	.1	4.5	2.8	1.1	.8													78	78	125	79
42/ 41	.1	5.9	1.4	1.4	.3													85	85	81	105
40/ 39	.4	3.9	.8	.4	.1													51	51	83	103
38/ 37	.2	2.6	.3	.3														32	32	57	85
36/ 35	.1	1.1	.8	.2														19	19	46	64
34/ 33		.2	.2															4	4	18	34
32/ 31																				11	29
30/ 29																				2	13
28/ 27																					14
26/ 25																					12
24/ 23																					10
22/ 21																					3
20/ 19																					2
TOTAL	3.7	42.3	32.7	16.1	3.5	1.4	.1												930		930
																		930		930	

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.	6013600	74028	79.6	11.411	930							
Dry Bulb	2239265	45203	48.6	6.36	930			.1				93
Wet Bulb	1968362	42376	45.6	6.351	930		1.3					93
Dew Point	1717800	39388	42.4	7.308	930		8.4					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

3474 STATION — BITBURG AB GERMANY STATION NAME — 7-7 YEARS — OCT MONTH

PART 1 2100-2300 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				.1														1	1		
66/ 65			.4	.2														6	6	1	
64/ 63		.3	1.0	.3														15	15	1	
62/ 61		1.1	1.0	.3														22	22	10	3
60/ 59	.3	2.8	1.1	.1														40	40	32	8
58/ 57	1.0	5.1	2.2	.9														84	84	55	50
56/ 55	.6	3.2	3.0	.4	.1													75	75	[illegible]	43
54/ 53	1.7	7.0	4.0	.2														123	123	87	93
52/ 51	1.3	5.2	3.2		.2													92	92	113	87
50/ 49	.4	8.2	2.5	.3	.2													109	108	80	71
48/ 47	.4	7.7	2.5	.1	.1													101	101	118	86
46/ 45	.1	6.5	1.4	.4														78	78	111	96
44/ 43	.2	5.5	1.6	.3	.3													74	74	77	99
42/ 41	.6	3.9	1.4	.2														58	58	72	86
40/ 39	.3	2.0	.4	.1														27	27	51	86
38/ 37	.3	.5	1.0	.1														18	18	39	29
36/ 35		.4	.4															8	8	9	34
34/ 33																				13	17
32/ 31																				1	15
30/ 29																					13
28/ 27																					5
26/ 25																					7
24/ 23																					1
22/ 21																					1
20/ 19																					
18/ 17																					
TOTAL	7.6	59.7	27.5	4.2	1.6													930	930	930	930

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.	676°374	78842	84.8	9.590	930							
Dry Bulb	2035008	43106	46.4	6.313	930		.9	.1				93
Wet Bulb	1856740	41140	44.2	6.298	930		2.3					93
Dew Point	1683346	38994	41.9	7.215	930		9.3					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

34046 BITBURG AB GERMANY 6-7 OCT
STATION STATION NAME YEARS MONTH

PAGE 1 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
72/ 71						.0												1	1		
70/ 69					.1	.1	.0											15	15		
68/ 67			.0	.1	.3	.2	.1	.0	.0									53	53		
66/ 65			.0	.3	.2	.2	.1											52	52		
64/ 63			.3	.0	.3	.2	.1	.0										119	119	2	
62/ 61		.1	.5	.7	.5	.1	.0	.0										137	137	31	1
60/ 59		.5	.8	.9	.3	.1	.0	.0	.0									194	194	87	2
58/ 57	.0	.8	1.0	.8	.3	.1	.0	.0										233	233	178	50
56/ 55	.3	1.6	1.7	.8	.2	.1	.0	.0										354	354	247	150
54/ 53	.6	3.6	1.3	1.5	.5	.2	.1	.0										609	609	421	258
52/ 51	.6	2.8	2.4	.8	.3	.1	.1											530	530	517	349
50/ 49	1.3	5.9	3.0	1.0	.3	.1	.0											905	905	627	687
48/ 47	.8	5.1	2.8	.6	.3	.1												724	724	800	600
46/ 45	1.1	7.0	1.7	.5	.2	.1												791	791	855	727
44/ 43	.7	5.8	1.3	.4	.3													628	628	901	710
42/ 41	.8	6.3	1.0	.4	.1													638	638	691	623
40/ 39	1.0	4.6	.9	.2	.1													518	518	652	756
38/ 37	.9	3.7	.8	.2														407	407	521	685
36/ 35	.6	2.2	.	.2														273	273	397	571
34/ 33	.3	1.0	.5	.1														140	140	254	292
32/ 31	.2	.6	.2	.0														79	79	140	258
30/ 29	.0	.3	.0															27	27	84	162
28/ 27	.0	.1																5	5	21	137
26/ 25		.0																3	3	7	100
24/ 23																				1	62
22/ 21																					32
20/ 19																					13
18/ 17																					9
TOTAL	9.1	52.2	22.0	9.9	4.3	1.7	.7	.1	.1									7434	7434	7434	7434

Element (X)	Σ	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.	51785814	613212	82.5	12.724	7434							
Dry Bulb	17008538	351168	47.2	7.517	7434		11.4	6.9				744
Wet Bulb	15133964	331694	44.6	6.706	7434		25.3					744
Dew Point	13423984	311220	41.9	7.289	7434		77.4					744

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

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3404 — STATION
BITBURG AB GERMANY — STATION NAME
0-7 — YEARS
NOV — MONTH

PAGE 1 0000-0200 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
62/ 61			.1															1	1		
60/ 59			.1															1	1		
58/ 57		.4																4	4	2	
56/ 55		.4	.5															9	9	5	1
54/ 53		.6	.6	.3														13	13	4	8
52/ 51	.1	.2	.7															9	9	12	4
50/ 49	.1	2.0	1.5	.2														35	35	15	12
48/ 47	.4	1.9	.7	.6														32	32	32	18
46/ 45	.2	4.7	.5	.4														59	59	45	35
44/ 43	.2	6.0	1.1	.2														68	68	68	42
42/ 41	.4	11.9	1.9															128	128	71	67
40/ 39	.4	10.3	.8															104	104	114	86
38/ 37	1.0	11.4	.7															123	123	124	106
36/ 35	.8	8.7	1.1															95	95	114	129
34/ 33	1.3	3.6	.6															49	49	89	96
32/ 31	1.3	4.8																55	55	69	90
30/ 29	1.1	4.1	.1															48	48	53	53
28/ 27	1.3	2.3	.1															34	34	42	54
26/ 25	.7	.9																14	14	17	30
24/ 23	.2	1.1	.1															13	13	13	38
22/ 21		.2																2	2	5	6
20/ 19		.4																4	4	3	13
18/ 17																				3	6
16/ 15																					1
14/ 13																					4
12/ 11																					1
TOTAL	11.0	76.0	11.2	1.8														900		900	
																		900		900	

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.	6867536	78342	87.0	7.317	900							
Dry Bulb	1388680	34812	38.7	6.847	900		17.0					90
Wet Bulb	1282791	33469	37.2	6.515	900		20.5					90
Dew Point	1153920	31610	35.1	6.973	900		29.6					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

34049 STATION | 3ITBURG AB GERMANY STATION NAME | 9-7[illegible] YEARS | JULY MONTH

PAGE 1 | 0300-0500 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
58/ 57		.4	.2	.2														3	8	1	
56/ 55		.7	.2															8	8	6	2
54/ 53		.6	.3	.1														9	9	10	9
52/ 51	.2	.7	.4															12	12	7	7
50/ 49	.2	2.2	.7	.1														29	29	16	13
48/ 47	.1	3.7	.6	.2														41	41	25	16
46/ 45	.3	6.2	.3															62	62	41	32
44/ 43	.9	5.9	.7	.2														69	69	83	66
42/ 41	.1	9.6	1.1															97	97	57	45
40/ 39	.7	8.6	.6															88	88	106	70
38/ 37	1.6	10.3	.9															117	117	137	103
36/ 35	2.2	9.8	.4															112	112	104	143
34/ 33	1.0	5.0	.6															59	59	91	83
32/ 31	2.1	6.4	.3															80	80	68	101
30/ 29	1.3	3.3																42	42	60	57
28/ 27	1.6	2.0																32	32	38	47
26/ 25	.6	.8																14	14	18	44
24/ 23	.2	.9																10	10	12	21
22/ 21		.8																7	7	8	16
20/ 19	.1	.3																4	4	7	8
18/ 17																				1	9
16/ 15																					4
14/ 13																					4
TOTAL	13.7	78.1	7.3	.9															900		900
																		900		900	

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.	7028138	79284	88.1	6.976	900							
Dry Bulb	1366877	34515	38.4	6.934	900		18.9					90
Wet Bulb	1272916	33308	37.0	6.689	900		22.1					90
Dew Point	1156241	31601	35.1	7.204	900		31.1					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

34043 BITBURG AB GERMANY 67-71 NOV
STATION STATION NAME YEARS 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
60/ 59		.2																2	2		
58/ 57		.1	.2	.4														7	7	3	
56/ 55		.3	.4															7	7	1	3
54/ 53		.2	.9	.1														11	11	5	2
52/ 51		.3	.4															7	7	12	3
50/ 49	.3	1.7	.9															26	26	18	15
48/ 47	.1	2.6	.4	.3														31	31	26	16
46/ 45	.6	7.0		.2														70	70	47	35
44/ 43	.3	5.1	.7															55	55	79	63
42/ 41	.2	10.1	1.2															104	104	47	58
40/ 39	.9	8.8	.2															89	89	91	70
38/ 37	1.7	9.0	.8															103	103	113	92
36/ 35	2.2	10.6	.8															122	122	116	113
34/ 33	2.7	4.8	.2															69	69	113	104
32/ 31	.8	5.1	.2															55	55	59	85
30/ 29	1.2	4.9	.1															56	56	66	66
28/ 27	1.3	2.1																31	31	43	59
26/ 25	1.6	1.1																19	19	21	28
24/ 23	.8	1.1																17	17	16	42
22/ 21		1.3																12	12	8	14
20/ 19		.7																6	6	11	10
18/ 17																				4	9
16/ 15																					9
14/ 13																					2
12/ 11																					1
TOTAL	14.1	77.2	7.6	1.1															899		899
																		899		899	

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	≥ 83 F	≥ 93 F	Total
Rel. Hum.	7051937	79389	88.3	6.777	899							
Dry Bulb	1333465	34015	37.8	7.192	899		19.6					90
Wet Bulb	1241384	32830	36.5	6.878	899		22.8					90
Dew Point	1123941	31173	34.7	7.312	899		32.5					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

34049 BITBURG AB GERMANY 70-74 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 0900-1100
HOURS G.M.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
60/ 59		.2																2	2		
58/ 57		.1			.1													2	2	3	
56/ 55		.4	.3	.1														12	12		3
54/ 53		.4	1.1	.2														16	16	6	2
52/ 51	.1	.9	.4	.1														14	14	15	5
50/ 49	.1	2.1	1.7	.2														37	37	21	16
48/ 47	.2	4.4	1.7	.2														59	59	34	20
46/ 45	.0	5.4	.9	.2														66	66	52	53
44/ 43	.4	7.0	.9	.1														76	76	73	54
42/ 41	.2	8.7	.8															87	87	86	66
40/ 39	1.3	10.1	2.0															121	121	117	92
38/ 37	2.0	7.0	1.3															98	98	109	115
36/ 35	2.0	7.9	1.2	.1														106	106	109	109
34/ 33	.7	4.0	.9															52	52	84	89
32/ 31	1.8	4.8	.4															63	63	68	88
30/ 29	1.1	2.6	.1															34	34	50	61
28/ 27	.9	1.3	.2															22	22	25	43
26/ 25	.0	1.1																15	15	20	20
24/ 23	.2	.9	.1															11	11	16	24
22/ 21		.4																4	4	6	18
20/ 19		.3																3	3	4	9
18/ 17																				1	6
16/ 15																					4
14/ 13																					2
12/ 11																					1
TOTAL	13.2	70.8	14.6	1.3	.1														900		900
																		900		900	

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.	6888402	78422	87.1	7.876	900							
Dry Bulb	1434520	35382	39.3	6.959	900		15.2					90
Wet Bulb	1324571	34011	37.8	6.611	900		18.2					90
Dew Point	1195111	32217	35.8	7.052	900		27.6					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

34047 — STATION — BITBURG AB GERMANY — STATION NAME — 9-7 — YEARS — NOV — MONTH

PART 1 — 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. Dry Bulb	TOTAL Wet Bulb	Dew Point
60/ 59		.1																1	1		
58/ 57		.2		.4	.1													7	7	2	
56/ 55		.4	1.0	1.0	.3													25	25	1	3
54/ 53		.2	1.4	1.0	.2													26	20	7	1
52/ 51		.2	1.6															16	16	10	5
50/ 49		2.6	3.7	1.2														67	67	28	12
48/ 47	.2	3.3	1.9	.4	.2													55	55	59	31
46/ 45	.3	6.3	2.3	1.4	.1													95	95	85	54
44/ 43	.2	6.6	2.7	1.2	.1													97	97	70	60
42/ 41	.4	8.4	4.2	.7	.2													126	126	117	97
40/ 39	1.1	6.4	3.6	.2														104	104	102	92
38/ 37	2.1	5.0	1.3	.3														79	79	117	107
36/ 35	.6	4.3	2.6	.6														66	66	91	96
34/ 33	1.3	3.1	1.3	.2														54	54	66	88
32/ 31	.9	2.4	1.6	.1														40	40	50	70
30/ 29	.4	2.1	.6	.4														29	29	51	56
28/ 27	.3	.3	.2															8	8	22	46
26/ 25	.1	.1																2	2	5	30
24/ 23		.2																2	2	4	24
22/ 21	.1																	1	1	2	11
20/ 19																					14
14/ 13																					1
12/ 11																					2
TOTAL	7.9	52.2	29.6	9.6	1.3													900		900	900

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.	6113383	73521	81.7	10.933	900							
Dry Bulb	1598617	37459	41.6	6.631	900		8.2					90
Wet Bulb	1427624	35344	39.3	6.206	900		13.4					90
Dew Point	1225512	32618	36.2	6.945	900		25.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 BITBURG AB GERMANY 62-76 NOV
STATION STATION NAME YEARS 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
60/ 59				.1														1		1		
58/ 57			.3	.2	.3	.3												11		11	2	
56/ 55			.7	.9	1.1	.3												27		27	3	3
54/ 53			.2	1.7	1.2	.2												30		30	10	4
52/ 51			.4	1.3	.2	.3												25		25	15	5
50/ 49			3.2	3.7	1.1	.1												73		73	36	16
48/ 47		.3	3.6	3.3	.7													66		66	67	38
46/ 45		.3	5.7	2.8	1.1	.2												89		89	96	53
44/ 43		.8	6.3	3.2	1.3	.2												102		102	99	53
42/ 41		1.3	6.3	3.9	.8	.1												104		104	97	86
40/ 39		1.3	5.1	3.7	.7	.1												95		95	112	96
38/ 37		1.3	7.3	2.3	.2													94		94	112	93
36/ 35		.8	3.3	2.7	.3													59		59	33	115
34/ 33		.7	2.3	1.2	.1													39		39	87	79
32/ 31		1.1	3.9	1.3	.1													58		58	48	83
30/ 29		.1	1.9	.9														22		22	49	51
28/ 27			.1	.3														4		4	21	49
26/ 25																					7	29
24/ 23																					2	20
22/ 21																						10
20/ 19																						10
18/ 17																						1
16/ 15																						2
14/ 13																						1
TOTAL	0	7	49	53	29	8.9	2.0												899		899	899

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.	5960147	72543	80.7	10.887	899							
Dry Bulb	1636952	37896	42.2	6.632	899		6.4					90
Wet Bulb	1449086	35646	39.7	6.216	899		12.7					90
Dew Point	1238393	32773	36.5	6.972	899		25.6					90

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

GLOBAL CLIMATOLOGY BRA CH
USAFETAC
AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

3404 - BITBURG AB GER ANY — 7-7 YEARS — DEC

PAGE 1 1800-2000 HOURS

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
53/ 57			.3	.2																	5	5		
56/ 55				1.1	.6																15	15	4	1
54/ 53			.9	.7	.7	.1															21	21	2	3
52/ 51			.6	1.3																	17	17	22	4
50/ 49		.1	2.2	1.0	.1																36	36	23	15
48/ 47		.1	2.1	2.3	.3																44	44	40	26
46/ 45		.7	5.5	2.2	.3	.1															79	79	38	36
44/ 43		.3	7.1	2.3	.2																92	92	105	47
42/ 41		.7	9.4	2.7	.3																117	117	96	94
40/ 39		1.1	8.8	2.2																	109	109	94	92
38/ 37		1.3	9.7	2.3																	120	120	134	103
36/ 35		.8	5.3	2.7																	77	77	88	111
34/ 33		1.1	2.9	.8																	42	42	54	89
32/ 31		.8	4.3	.8																	53	53	89	71
30/ 29		.4	3.5	.1																	36	36	47	65
28/ 27			2.2	.2																	22	22	25	57
26/ 25		.1	.7																		7	7	16	29
24/ 23			.5																		5	5	5	29
22/ 21			.1																		1	1	4	10
20/ 19																							1	6
18/ 17																								7
16/ 15																								3
TOTAL		7.5	66.1	23.6	2.6	.2																898		898
																					598		898	

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.	6437202	75642	84.2	8.551	898							
Dry Bulb	1486391	36049	40.1	6.615	898		12.4					90
Wet Bulb	1348865	34343	38.2	6.227	898		16.8					90
Dew Point	1185459	32043	35.7	6.849	898		27.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34043 BITBURG AB GERMANY — 7-7 YEARS — 12 MONTH

PAGE 1 2100-2300 HOURS

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. Dry Bulb	TOTAL Wet Bulb	Dew Point
60/ 59		.2																	2	2		
58/ 57		.3	.2																5	5	2	
56/ 55		.3	.7	.1															11	10	3	2
54/ 53		.4	.7	.4															21	20	5	4
52/ 51		.2	1.0	.2															13	13	17	11
50/ 49	.2	1.0	1.7	.2															28	28	12	15
48/ 47	.2	3.5	1.2																49	49	35	17
46/ 45	.0	4.0	1.0																94	94	44	36
44/ 43	.0	7.2	1.7																85	85	77	45
42/ 41	.4	9.0	1.0																99	99	101	57
40/ 39	.9	6.0	2.1																104	104	109	69
38/ 37	.2	11.3	1.0																123	123	118	136
36/ 35	.4	7.5	1.7	.1															98	96	108	100
34/ 33	.9	3.0	.4																47	47	83	104
32/ 31	1.0	5.0	.4																70	70	90	93
30/ 29	1.2	3.2																	40	40	61	49
28/ 27	.2	1.7																	20	20	31	53
26/ 25	.1	1.1	.1																12	12	13	28
24/ 23		.7	.1																7	7	12	20
22/ 21		.3																	3	3	5	15
20/ 19																					3	9
18/ 17																						6
16/ 15																						1
14/ 13																						4
10/ 9																						1
TOTAL	9.0	71.6	17.2	1.1															897	897	897	897

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_s	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum	6702435	77223	86.1	7.784	897							
Dry Bulb	1431559	35323	39.4	6.729	897		15.3					90
Wet Bulb	1315565	33865	37.8	6.429	897		18.5					90
Dew Point	1175021	31857	35.5	6.977	897		28.0					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/ AF

PSYCHROMETRIC SUMMARY

[illegible] BITBURG AM GER ANY — [illegible] YEARS — [illegible] PAGE 1 — ALL HOURS

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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
62/ 61			.1															1	1		
60/ 59		.1	.0	.0														0	9		
58/ 57		.3	.1	.2	.1													49	49	15	
56/ 55		.4	.7	.4	.1													113	113	23	16
54/ 53		.5	.7	.5	.1													146	146	52	33
52/ 51	.1	.4	1.3	.1	.0													113	113	122	44
50/ 49	.1	2.1	1.2	.4	.0													331	331	169	116
48/ 47	.2	3.1	1.0	.3	.0													377	377	316	162
46/ 45	.0	5.7	1.3	.0	.1													584	584	428	330
44/ 43	.5	6.4	1.7	.4	.0													544	544	650	430
42/ 41	.4	4.2	2.1	.2	.0													842	842	677	576
40/ 39	.1	6.3	1.9	.1	.0													816	814	845	687
38/ 37	1.5	8.9	1.4	.1														857	857	958	855
36/ 35	1.4	7.1	1.0	.1														733	733	813	910
34/ 33	1.2	3.7	.0	.0														411	411	679	732
32/ 31	1.3	4.7	.0	.0														474	474	452	681
30/ 29	.7	3.2	.2	.0														307	307	446	458
28/ 27	.0	1.2	.1															173	173	248	402
26/ 25	.4	.7	.0															83	83	117	238
24/ 23	.2	.7	.0															65	65	60	218
22/ 21	.0	.4																30	30	38	100
20/ 19	.0	.2																17	17	29	79
18/ 17																				9	44
16/ 15																					24
14/ 13																					18
12/ 11																					5
10/ 9																					1
TOTAL	10.5	67.7	18.0	3.3	.2														7193		7193
																		7193		7193	

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	53049180	614366	85.4	8.943	7193							
Dry Bulb	11677051	285451	39.7	5.967	7193		115.0					720
Wet Bulb	10656802	272316	37.9	6.359	7193		145.0					720
Dew Point	9458598	255352	35.6	7.056	7193		427.6					720

ETAC FORM 0-265 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34049 STATION | BITBURG AB GERMANY STATION NAME | 8-77 YEARS | DEC MONTH

PAGE 1 | 0000-0200 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																3	3	2	1
52/ 51			.1															1	1	1	1
50/ 49	.1	.9	.2															11	11	1	2
48/ 47	.2	1.2	.1															14	14	12	5
46/ 45	.2	2.9	.5		.1													35	35	23	14
44/ 43	.3	4.1	.6															47	47	35	20
42/ 41	.3	4.6	1.0															55	55	49	36
40/ 39	.3	4.2	.8															49	49	46	33
38/ 37	.1	4.6	1.7															60	60	53	63
36/ 35	1.4	9.7	1.3															115	115	71	65
34/ 33	2.4	8.2	1.3															110	110	140	80
32/ 31	1.6	7.9	1.3															100	100	118	91
30/ 29	1.3	5.7	.5															70	70	90	98
28/ 27	2.7	3.7	.2	.1														62	62	68	84
26/ 25	2.3	3.9	.1	.2														60	60	64	70
24/ 23	1.5	4.4	.2															57	57	47	84
22/ 21	.5	1.4	.2															20	20	33	42
20/ 19	1.0	1.7																25	25	30	43
18/ 17	.5	.6																11	11	20	34
16/ 15	.1	1.1																11	11	5	14
14/ 13		.5																5	5	10	10
12/ 11	.2	.2																4	4	7	7
10/ 9	.3																	3	3	3	15
8/ 7	.1																	1	1	1	6
6/ 5																					11
TOTAL	17.5	71.8	10.2	.3	.1														929		929
																		929		929	

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.	6912341	79751	85.8	8.435	929							
Dry Bulb	1059555	30523	32.9	7.817	929		42.9					93
Wet Bulb	978866	29330	31.6	7.548	929		49.7					93
Dew Point	847633	26943	29.0	8.448	929		61.0					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

34047 — STATION
BITBURG AB GERMANY — STATION NAME
8-77 — YEARS
DEC — MONTH

0300-0500 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																		3	3		
52/ 51																						3	2
50/ 49	.1	1.3																		13	13	4	5
48/ 47	.1	1.4	.5																	19	19	10	5
46/ 45	.4	2.6	.4																	32	32	20	18
44/ 43	.5	3.7	.2																	41	41	37	16
42/ 41	.4	4.2	.5																	48	48	46	27
40/ 39	.3	4.6	.5																	51	51	51	43
38/ 37	.5	5.6	1.0																	66	66	60	56
36/ 35	1.4	9.5	1.9																	119	119	76	77
34/ 33	1.7	6.8	1.3																	91	91	130	61
32/ 31	2.7	9.7	1.5																	129	129	101	122
30/ 29	1.6	4.7	.4	.1																64	64	102	105
28/ 27	2.2	4.1	.1																	59	59	63	75
26/ 25	1.6	4.1		.1																54	54	53	59
24/ 23	1.3	4.7	.2																	58	58	58	64
22/ 21	.5	1.4																		18	18	41	40
20/ 19	1.0	1.6																		24	24	29	50
18/ 17	.2	1.0																		11	11	12	30
16/ 15	.2	1.1																		12	12	12	26
14/ 13	.5	.5																		10	10	12	14
12/ 11		.4																		4	4	4	12
10/ 9	.1	.2																		3	3	4	7
8/ 7	.1																			1	1	2	7
6/ 5																							7
4/ 3																							2
TOTAL	17.6	73.4	8.7	.2																930	930	930	930

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.	6992831	80297	86.3	8.031	930							
Dry Bulb	1057533	30485	32.8	7.918	930		44.7					93
Wet Bulb	979186	29318	31.5	7.690	930		49.3					93
Dew Point	854909	27057	29.1	8.538	930		62.0					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

34049 STATION | BITBURG AB GERMANY STATION NAME | 8-77 YEARS | DEC MONTH

0600-0300 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
56/ 55			.1															1	1		
54/ 53		.2																2	2		
52/ 51			.3															3	3	3	1
50/ 49	.1	.4	.1															6	6	6	4
48/ 47	.2	.8	.2															11	11	5	6
46/ 45	.1	2.9	.4															32	32	19	9
44/ 43	.2	2.7	.5															32	32	28	16
42/ 41	.5	5.4	.2															57	57	38	32
40/ 39	.9	5.7	.6															67	67	57	47
38/ 37	.5	4.8	1.0															59	59	65	54
36/ 35	.9	8.0	1.8															99	99	64	69
34/ 33	2.3	7.4	1.5															104	104	120	64
32/ 31	2.0	8.3	1.0															105	105	123	92
30/ 29	1.2	6.5	.1															72	72	104	97
28/ 27	1.9	3.2																48	48	46	92
26/ 25	2.0	4.5		.1														62	62	59	66
24/ 23	1.5	6.2		.2														74	74	64	72
22/ 21	.8	1.6																22	22	39	48
20/ 19	1.1	1.4																23	23	29	51
18/ 17	.8	1.0																16	16	22	40
16/ 15	.6	.5																11	11	12	14
14/ 13	.1	.9																9	9	9	14
12/ 11	.1	.5																6	6	8	11
10/ 9	.4																	4	4	5	8
8/ 7	.1	.3																4	4	3	7
6/ 5	.1																	1	1	2	11
4/ 3																					3
2/ 1																					2
TOTAL	18.5	73.2	8.0	.3														930	930	930	930

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.	7028695	80527	86.6	7.765	930							93
Dry Bulb	1023698	29918	32.2	8.119	930		45.7					93
Wet Bulb	948352	28788	31.0	7.848	930		52.5					93
Dew Point	828470	26568	28.6	8.648	930		62.8					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

34049 — STATION
BITBURG AB GERMANY — STATION NAME
68-77 — YEARS
DEC — MONTH

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
58/ 57			.2															2	2		
56/ 55			.1															1	1		
54/ 53																				3	
52/ 51		.1																1	1		2
50/ 49		1.2	.2	.1														14	14	6	5
48/ 47		1.4																13	13	8	5
46/ 45	.2	2.4	.3															27	27	18	12
44/ 43	.3	4.4	.4	.1														49	49	28	19
42/ 41	.2	5.1	.5															54	54	54	23
40/ 39	.1	5.4	.4															55	55	52	47
38/ 37	.4	5.6	1.1															66	66	66	51
36/ 35	1.9	6.5	1.8	.1														96	96	80	87
34/ 33	2.5	8.8	1.8															122	122	126	71
32/ 31	3.4	9.9	1.2															135	135	128	131
30/ 29	1.3	5.2	.3															63	63	95	100
28/ 27	1.7	3.3		.1														43	48	55	73
26/ 25	2.6	3.0																52	52	60	60
24/ 23	.8	4.5	.1															50	50	41	65
22/ 21	1.0	1.1	.1															20	20	40	42
20/ 19	1.0	1.6																24	24	24	46
18/ 17	.1	1.1																11	11	13	27
16/ 15	.6	.5																11	11	15	12
14/ 13	.2	.4																6	6	7	14
12/ 11		.4																4	4	2	14
10/ 9	.2																	2	2	5	9
8/ 7	.1																	1	1	1	4
6/ 5	.1																	1	1	1	8
4/ 3	.1																	1	1	1	
2/ 1																					2
TOTAL	18.9	71.9	8.7	.4															929		929
																		929		929	

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.	6993615	80265	86.4	7.958	929							93
Dry Bulb	1069298	30666	33.0	7.839	929		42.9					93
Wet Bulb	986786	29502	31.8	7.550	929		48.9					93
Dew Point	863985	27251	29.3	8.344	929		60.8					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

34040 BITBURG AB GERMANY 8-77 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 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
58/ 57			.1	.1														2	2		
54/ 53																				2	
52/ 51		.1	.4															5	5		
50/ 49		1.0	.4															13	13	6	3
48/ 47		1.0	.5	.1														21	21	11	6
46/ 45		2.9	.3	.2														37	37	23	14
44/ 43	.2	3.8	1.0	.1														47	47	36	24
42/ 41	.3	6.2	1.9	.3														82	82	65	32
40/ 39	.1	5.1	2.4															70	70	51	53
38/ 37	.5	5.3	3.5															88	88	75	58
36/ 35	1.5	8.5	2.5	.2	.1													119	119	93	77
34/ 33	2.1	7.0	3.6	.1														126	126	146	70
32/ 31	1.4	5.4	1.0	.1	.1													74	74	120	120
30/ 29	.5	4.9	.9	.1														62	62	77	103
28/ 27	1.0	3.5	.6	.3														58	58	61	81
26/ 25	1.0	2.9	.2															44	44	53	67
24/ 23	.5	3.4	.4															43	43	42	69
22/ 21	.5	.9	.2															16	16	27	49
20/ 19	.2	.6																8	8	14	34
18/ 17	.2	.5																8	8	12	18
16/ 15	.2	.2																4	4	5	20
14/ 13	.2																	2	2	4	8
12/ 11																					9
10/ 9	.1																	1	1	1	9
8/ 7																					5
6/ 5																					1
TOTAL	12.0	64.6	20.9	1.7	.2													930	930		930
																		930		930	

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	6523088	77332	83.2	9.991	930							
Dry Bulb	1167081	32273	34.7	7.123	930		32.0					93
Wet Bulb	1055119	30671	33.0	6.851	930		42.2					93
Dew Point	892322	27862	30.0	7.874	930		59.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34043 — STATION
BITBURG AB GERMANY — STATION NAME
8-77 — YEARS
DEC — MONTH

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	TOTAL Wet Bulb	TOTAL Dew Point
56/ 55				.1														1	1		
54/ 53				.2														2	2		
52/ 51		.1	.3															4	4		
50/ 49	.1	1.3	.3															17	17	3	2
48/ 47		2.3	.8															26	26	9	7
46/ 45	.1	2.9	1.3	.1														38	38	31	18
44/ 43	.4	4.0	1.3	.1														62	62	42	29
42/ 41	.1	4.4	1.5	.1	.1													58	58	57	18
40/ 39		4.5	3.0	.1														72	72	55	58
38/ 37	.3	4.8	2.7	.3														76	76	76	55
36/ 35	1.5	8.6	4.3	.2	.1													137	137	87	82
34/ 33	1.6	7.0	2.9	.1														108	108	155	76
32/ 31	1.9	7.1	1.7	.2	.1													103	103	100	130
30/ 29	1.2	5.1	1.4	.4														75	75	97	92
28/ 27	1.0	2.8	.4	.1														40	40	63	89
26/ 25	1.7	2.0	.3															43	43	59	69
24/ 23	.5	3.0	.3	.1														39	39	41	66
22/ 21	.1	.5	.1															7	7	27	29
20/ 19	.1	1.3																13	13	16	32
18/ 17	.1	.3																4	4	10	16
16/ 15	.3																	3	3	3	31
14/ 13		.1																1	1		11
12/ 11																				1	10
10/ 9																					5
8/ 7																					2
6/ 5																					1
2/ 1																					1
TOTAL	11.4	63.2	22.8	2.3	.3														929		929
																		929		929	

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.	6422580	76656	82.5	10.242	929							
Dry Bulb	1167128	32570	35.1	6.983	929		32.8					93
Wet Bulb	1069031	30883	33.2	6.758	929		40.8					93
Dew Point	900095	27979	30.1	7.868	929		58.5					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

34049 BITBURG AB GERMANY 8-77 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 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	Wet Bulb	Dew Point
54/ 53				.2														2		2		
52/ 51		.1	.3															4		4		
50/ 49		.5	.2															7		7	2	
48/ 47		1.6	.1															16		16	16	4
46/ 45	.1	2.2	.5															26		26	19	19
44/ 43	.3	3.4	.9	.1														46		40	26	23
42/ 41		6.0	1.0															65		65	38	16
40/ 39		5.6	1.5															56		60	62	43
38/ 37	.4	6.0	1.1	.1														71		71	74	59
36/ 35	1.2	7.2	4.0	.2														120		120	81	75
34/ 33	2.3	8.3	1.8															115		115	118	85
32/ 31	1.2	7.0	1.2															87		87	125	84
30/ 29	.9	8.0	.4															86		86	108	100
28/ 27	.9	4.5	.4	.1														55		55	84	92
26/ 25	1.2	3.3	.3															48		48	60	79
24/ 23	1.2	5.4	.5	.1														65		65	46	60
22/ 21	.3	1.5	.1															18		18	39	42
20/ 19	.1	1.9																19		19	23	45
18/ 17	.1	.5																6		6	17	22
16/ 15	.2	.1																3		3	6	20
14/ 13	.1	.2																3		3	4	14
12/ 11		.2																2		2	2	11
10/ 9																						10
8/ 7																						6
-2/ -3																						1
TOTAL	11.1	73.7	14.4	.9																930		930
																		930			930	

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.	6647260	78204	84.1	8.746	930							
Dry Bulb	1092418	31176	33.5	7.137	930		39.2					93
Wet Bulb	996169	29749	32.0	6.925	930		49.4					93
Dew Point	848766	27104	29.1	7.959	930	.1	60.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

3404- BITBURG AB GER ANY 8-77 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
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		.2																2	2		
52/ 51		.1	.4															5	5	2	1
50/ 49		.3	.2															5	9	3	1
48/ 47		1.4	.4															17	17	12	9
46/ 45	.0	2.2	.3															29	29	22	20
44/ 43	.3	4.1	.4															45	45	27	16
42/ 41	.1	4.9	.3															56	55	47	23
40/ 39	.5	4.8	.3															56	56	53	41
38/ 37	.1	4.8	2.4															68	68	58	56
36/ 35	1.7	9.4	1.6															118	118	90	70
34/ 33	1.4	7.1	2.3															98	98	121	91
32/ 31	2.3	11.0	1.2															134	134	109	110
30/ 29	1.9	5.2	.2															68	68	120	94
28/ 27	1.9	3.8	.1	.1														55	55	59	83
26/ 25	1.5	3.8	.1	.1														51	5.	54	78
24/ 23	1.0	4.4	.4															54	54	43	70
22/ 21	.5	1.1	.4															19	19	46	28
20/ 19	.3	1.2																14	14	19	47
18/ 17	.2	1.0																11	11	15	32
16/ 15	.3	.4																7	7	8	11
14/ 13	.1	.6																7	7	7	13
12/ 11		.2																2	2	3	10
10/ 9	.3	.1																4	4	4	14
8/ 7																				1	11
4/ 3																					1
TOTAL	15.	37	2.5	1.0	.2														930		930
																		930		930	

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.	6853644	79442	85.4	8.530	930		42.6					93
Dry Bulb	1082221	30941	33.3	7.540	930		48.8					93
Wet Bulb	996295	29667	31.9	7.330	930		60.2					93
Dew Point	861253	27243	29.3	8.249	930							

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

34043 STATION — BITBURG AB GERMANY STATION NAME — 8-77 YEARS — DEC MONTH

PAGE 1 — ALL HOURS G.M.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
58/ 57			.0	.0														4	4		
56/ 55			.0	.0														3	3		
54/ 53		.1		.1														14	14	7	1
52/ 51		.1	.2															23	23	9	7
50/ 49	.1	.9	.3	.0														90	90	36	22
48/ 47	.1	1.4	.3	.0														137	137	83	47
46/ 45	.2	2.6	.6	.0	.0													256	256	175	124
44/ 43	.4	3.9	.7	.1														369	369	259	183
42/ 41	.3	5.1	.9	.1	.0													474	474	394	307
40/ 39	.3	5.0	1.3	.0														488	488	435	365
38/ 37	.4	5.2	1.6	.1														554	554	527	452
36/ 35	1.2	6.4	2.4	.1	.0													923	923	842	802
34/ 33	2.7	7.7	2.1	.0														874	874	1056	998
32/ 31	2.1	8.3	1.3	.0	.0													867	867	924	880
30/ 29	1.3	5.6	.5	.1														560	560	793	789
28/ 27	1.7	3.6	.3	.1														425	425	479	669
26/ 25	1.7	3.5	.1	.1														414	414	459	548
24/ 23	1.1	4.5	.3	.1														440	440	382	570
22/ 21	.6	1.2	.1															140	140	292	320
20/ 19	.6	1.4																150	150	184	340
18/ 17	.3	.8																78	78	121	219
16/ 15	.3	.5																62	62	66	148
14/ 13	.2	.4																43	43	53	98
12/ 11	.0	.3																22	22	27	84
10/ 9	.2	.0																17	17	22	77
8/ 7	.1	.0																7	7	8	48
6/ 5	.0																	2	2	3	39
4/ 3	.0																	1	1	1	6
2/ 1																					5
-2/ -3																					1
TOTAL	15.4	70.5	13.2	.8	.1														7437		7437
																		7437		7437	

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.	54374054	632474	85.0	8.876	7437							
Dry Bulb	8738932	248552	33.4	7.623	7437		322.9					744
Wet Bulb	8012804	237908	32.0	7.354	7437		381.6					744
Dew Point	6897433	218007	29.3	8.256	7437	.1	485.1					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

34043 STATION — BITBURG AB GER ANY STATION NAME — 8-76 YEARS — ALL MONTH

 ALL HOURS G.M.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. Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
94/ 93																.0		2	2	
92/ 91															.0		.0	5	5	
90/ 89										.0		.0	.0	.0	.0	.0	.0	24	24	
88/ 87										.0	.0	.0	.0	.0	.0	.0		49	49	
86/ 85								.0	.0	.0	.0	.0	.0	.0	.0	.0		115	115	
84/ 83							.0	.0	.0	.0	.0	.0	.0	.0	.0			136	136	
82/ 81							.0	.0	.1	.1	.0	.0	.0	.0				190	190	
80/ 79					.0	.0	.0	.1	.1	.1	.0	.0	.0	.0				271	271	
78/ 77					.0	.0	.1	.1		.1	.0	.0	.0					399	399	
76/ 75				.0	.0	.1	.2	.2		.0	.0	.0						591	591	
74/ 73				.0	.1	.1	.2	.2		.0	.0							713	713	
72/ 71		.0	.0	.1	.2	.3	.3	.2	.1	.0	.0	.0						965	965	16	
70/ 69		.0	.1	.1	.3	.4	.2	.2	.1	.0	.0							1214	1214	102	1
68/ 67		.0	.2	.3	.5	.5	.3	.2	.1	.0	.0	.0						1865	1865	209	13
66/ 65	.1	.1	.4	.5	.4	.5	.3	.2	.0	.0	.0							2082	2082	688	70
64/ 63	.0	.3	.6	.8	.5	.5	.3	.1	.1	.0	.0							2775	2775	1313	279
62/ 61	.1	.5	.9	.8	.7	.4	.2	.1	.0	.0								3192	3192	2211	601
60/ 59	.1	1.0	1.1	1.0	.6	.4	.2	.1	.0	.0								3748	3748	3003	1289
58/ 57	.1	1.2	1.1	.9	.6	.2	.1	.0	.0									3704	3704	4099	2011
56/ 55	.1	1.4	1.4	1.0	.5	.3	.1	.0	.0									4123	4123	4285	2999
54/ 53	.3	1.6	1.6	1.1	.4	.2	.1	.0	.0	.0								4499	4499	4796	4034
52/ 51	.2	1.1	1.3	.4	.4	.1	.1	.0	.0									3448	3449	4819	3675
50/ 49	.3	2.2	2.0	.7	.3	.1	.0	.0										4851	4851	4935	5511
48/ 47	.2	2.0	1.3	.4	.3	.1	.0	.0										3806	3806	5323	4655
46/ 45	.3	2.8	1.2	.5	.2	.1	.0	.0										4468	4468	4753	5590
44/ 43	.2	2.8	1.1	.5	.2	.0	.0											4263	4263	4891	4959
42/ 41	.2	3.5	1.4	.5	.1	.0	.0											4938	4938	4617	4918
40/ 39	.3	3.4	1.5	.2	.1	.0	.0											4802	4802	4843	5028
38/ 37	.4	3.4	1.2	.3	.0	.0												4607	4607	5583	5317
36/ 35	.5	3.5	1.5	.2	.0	.0												4998	4998	4936	5750
34/ 33	.7	2.7	1.1	.1	.0	.0												3945	3945	5603	4735
32/ 31	.6	2.8	.9	.1	.0													3753	3753	4319	5429
30/ 29	.4	2.0	.3	.1	.0													2454	2454	3801	4304
28/ 27	.5	1.3	.2	.0														1723	1723	2386	3732

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

34043 BITBURG AB GER ANY 1-7 ALL
STATION STATION NAME YEARS 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
26/ 25	.4	1.0	.1	.0														1255	1255	1699	3054
24/ 23	.2	1.0	.1	.0														1131	1131	1156	2605
22/ 21	.1	.3	.0															444	444	840	1511
20/ 19	.1	.4																402	402	477	1371
18/ 17	.1	.2																211	211	345	887
16/ 15	.1	.1																184	184	208	573
14/ 13	.0	.1																122	122	152	409
12/ 11	.0	.1																92	92	106	337
10/ 9	.1	.0																52	52	74	275
8/ 7	.0	.0																20	20	21	180
6/ 5	.0	.0																7	7	8	114
4/ 3	.0																	1	1	1	16
2/ 1																					0
-2/ -3																					1
TOTAL	0.5	42.8	72.9	10.6	6.5	4.3	2.8	1.7	.8	.5	.2	.1	.1	.1	.0	.0	.0	86640	86640	86639	86639

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.	527315982	6624250	76.5	15.509	86639							
Dry Bulb	206875169	4075671	47.0	13.223	86640		1185.4	666.5	254.3	62.6	.2	8760
Wet Bulb	172978088	3750442	43.3	11.076	86639		1563.2	33.1				8760
Dew Point	144686298	3406016	39.3	11.158	86639	.1	2511.4	1.4				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

34049 BITBURG AB GERMANY 8-76
STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	33.6	37.7	36.2	40.9	48.2	54.0	57.7	57.5	52.0	44.7	38.7	32.9	44.0
	S D	6.969	6.955	7.541	6.745	5.578	6.163	5.594	4.938	5.615	6.344	6.847	7.817	11.268
	TOTAL OBS	929	846	930	813	836	813	917	913	895	926	900	929	10644
03-05	MEAN	32.6	37.3	35.3	39.5	46.9	52.1	55.8	55.6	50.6	43.8	38.4	32.8	43.0
	S D	7.161	7.166	7.998	6.465	5.612	6.010	5.297	4.960	5.654	6.524	6.934	7.918	10.793
	TOTAL OBS	930	846	930	840	269	839	921	914	897	931	900	930	10746
06-08	MEAN	33.1	31.7	34.5	39.6	48.5	54.0	57.1	56.3	50.0	43.0	37.8	32.2	43.2
	S D	7.332	7.120	7.747	6.356	5.991	6.186	5.612	5.106	5.665	6.401	7.192	8.119	11.374
	TOTAL OBS	930	846	930	900	929	900	921	915	895	930	899	930	10925
09-11	MEAN	33.9	33.4	38.2	45.4	54.7	60.5	63.8	63.3	56.0	47.0	39.3	33.0	47.4
	S D	7.249	6.872	7.698	7.440	6.783	7.412	7.268	6.355	6.078	6.508	6.959	7.839	13.410
	TOTAL OBS	928	843	930	899	930	900	921	915	896	928	900	929	10919
12-14	MEAN	35.6	36.3	42.5	49.3	58.5	64.1	67.9	67.9	60.9	51.7	41.6	34.7	50.7
	S D	6.825	6.870	8.168	8.634	7.739	8.323	8.259	7.205	7.026	7.289	6.631	7.123	14.300
	TOTAL OBS	929	846	929	900	929	900	921	914	897	930	900	930	10925
15-17	MEAN	36.4	37.8	44.3	50.9	60.0	65.2	69.3	69.3	62.3	52.8	42.2	35.1	52.2
	S D	6.581	6.909	8.510	8.959	7.955	8.702	8.624	7.351	7.425	7.592	6.632	6.983	14.574
	TOTAL OBS	930	846	930	900	930	899	921	915	897	930	899	929	10926
18-20	MEAN	34.8	35.2	40.9	47.6	56.8	62.4	66.4	65.5	57.9	48.6	40.1	33.5	49.2
	S D	6.799	6.450	7.949	8.211	7.343	8.052	7.926	6.756	6.692	6.736	6.615	7.137	13.849
	TOTAL OBS	928	846	930	899	929	900	919	911	896	930	898	930	10916
21-23	MEAN	34.3	34.0	38.4	43.7	51.6	57.3	61.6	60.6	54.3	46.4	39.4	33.3	46.2
	S D	6.923	6.515	7.438	7.261	6.074	6.760	6.364	5.335	5.828	6.313	6.729	7.540	12.179
	TOTAL OBS	929	845	930	811	836	811	915	909	897	930	897	930	10639
ALL HOURS	MEAN	34.4	34.4	38.8	44.7	53.3	58.9	62.4	62.0	55.5	47.2	39.7	33.4	47.0
	S D	7.058	7.138	8.496	8.642	8.209	8.671	8.517	7.833	7.621	7.517	6.967	7.623	13.223
	TOTAL OBS	7433	6764	7439	6961	7188	6959	7356	7306	7170	7434	7193	7437	86640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 68-78 (YEARS)

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	32.2	31.1	33.7	37.6	44.9	50.5	53.9	54.2	49.5	43.0	37.2	31.6	41.6
	S D	6.619	6.670	7.191	6.108	5.032	5.410	4.806	4.659	5.338	6.354	6.515	7.548	10.476
	TOTAL OBS	929	846	930	813	836	810	917	913	895	926	900	929	10644
03-05	MEAN	32.3	30.8	33.1	36.7	44.2	49.4	53.0	53.2	48.6	42.3	37.0	31.5	41.0
	S D	6.807	6.852	7.276	6.027	5.213	5.456	4.827	4.839	5.475	6.515	6.689	7.690	10.280
	TOTAL OBS	930	846	930	840	869	839	921	914	897	930	900	930	10746
06-08	MEAN	31.8	30.2	32.5	36.9	45.5	50.7	53.9	53.6	48.2	41.6	36.5	31.0	41.1
	S D	6.943	6.802	7.414	5.925	5.411	5.28	4.949	4.807	5.513	6.393	6.878	7.848	10.686
	TOTAL OBS	930	846	930	900	929	900	921	915	895	930	899	930	10925
09-11	MEAN	32.5	31.7	35.3	40.7	49.3	54.2	57.6	57.6	52.3	44.8	37.8	31.8	43.8
	S D	6.877	6.539	7.118	6.092	5.469	5.367	5.306	4.437	5.169	6.199	6.611	7.550	11.463
	TOTAL OBS	928	843	930	899	930	900	921	914	896	928	900	929	10918
12-14	MEAN	33.8	33.7	37.7	42.4	50.6	55.2	58.6	58.9	54.3	47.4	39.3	33.0	45.4
	S D	6.400	6.293	6.950	6.306	5.541	5.408	5.323	4.471	5.359	6.240	6.206	6.851	11.261
	TOTAL OBS	929	846	929	900	929	900	921	914	897	930	900	930	10925
15-17	MEAN	34.4	34.7	38.6	43.1	51.2	55.8	59.1	59.3	54.7	48.0	39.7	33.2	46.0
	S. D.	6.226	6.182	6.896	6.191	5.436	5.199	5.099	4.356	5.335	6.471	6.216	6.758	11.165
	TOTAL OBS	930	846	930	900	930	890	921	915	897	930	899	929	10926
18-20	MEAN	33.1	32.9	36.6	41.4	49.7	54.5	58.0	57.8	52.7	45.6	38.2	32.0	44.4
	S D	6.451	6.066	6.934	6.146	5.314	5.220	5.087	4.493	5.352	6.351	6.287	6.925	11.203
	TOTAL OBS	928	846	930	899	929	900	919	911	896	930	898	930	10916
21-23	MEAN	32.8	32.1	35.3	39.3	46.9	52.6	56.1	55.8	51.0	44.2	37.8	31.9	42.9
	S. D	6.544	6.198	7.007	6.215	5.033	5.244	4.824	4.489	5.278	6.298	6.429	7.330	10.776
	TOTAL OBS	929	845	930	810	836	811	915	909	897	930	897	930	10639
ALL HOURS	MEAN	32.9	32.2	35.3	39.8	47.9	52.9	56.3	56.3	51.4	44.6	37.9	32.0	43.3
	S. D.	6.658	6.609	7.387	6.563	5.896	5.779	5.505	5.097	5.838	6.706	6.557	7.354	11.076
	TOTAL OBS	7433	6764	7439	6961	7188	6959	7356	7305	7170	7434	7193	7437	86639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34049 STATION — BITBURG AB GERMANY STATION NAME — 68-75 YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	29.8	28.0	29.5	32.9	41.3	47.3	50.9	51.5	47.2	41.1	35.1	29.0	38.6
	S D	7.169	7.611	8.401	7.148	5.880	5.955	5.349	5.482	5.836	7.172	6.973	8.448	11.056
	TOTAL OBS	929	846	930	813	836	810	917	913	895	926	900	929	10644
03-05	MEAN	29.9	27.9	29.4	32.8	41.2	46.9	50.7	51.1	46.8	40.7	35.1	29.1	38.5
	S D	7.364	7.602	8.340	6.925	5.975	5.847	5.277	5.461	5.872	7.221	7.204	8.538	10.940
	TOTAL OBS	930	846	930	840	869	839	921	914	897	930	900	930	10746
06-08	MEAN	29.5	27.4	28.9	33.1	42.3	47.9	51.4	51.5	46.5	40.0	34.7	28.6	38.5
	S D	7.453	7.552	8.355	6.736	6.184	5.556	5.328	5.342	5.838	7.051	7.312	8.648	11.200
	TOTAL OBS	930	846	930	900	929	900	921	915	895	930	899	930	10925
09-11	MEAN	30.1	28.6	30.8	34.9	44.2	49.2	53.0	53.3	49.2	42.4	35.8	29.3	40.1
	S D	7.432	7.402	8.239	6.947	6.388	6.024	5.756	5.117	5.635	6.948	7.052	8.344	11.422
	TOTAL OBS	928	843	930	899	930	900	921	914	896	928	900	929	10918
12-14	MEAN	30.8	29.5	30.9	34.3	43.4	48.2	52.0	52.4	48.9	43.1	36.2	30.0	40.0
	S D	7.135	7.349	8.786	7.393	6.463	6.357	5.950	5.652	6.222	7.259	6.945	7.874	11.092
	TOTAL OBS	929	846	929	900	929	900	921	914	897	930	900	930	10925
15-17	MEAN	31.2	29.8	30.7	34.2	43.2	48.4	52.0	52.1	48.5	43.3	36.5	30.1	40.0
	S D	7.164	7.451	8.972	7.637	6.571	6.227	5.777	5.889	6.265	7.501	6.972	7.868	11.052
	TOTAL OBS	930	846	930	900	930	899	921	915	897	930	899	929	10926
18-20	MEAN	30.3	28.9	30.3	33.9	43.0	48.2	51.8	52.0	48.1	42.4	35.7	29.1	39.5
	S D	7.245	7.258	8.727	7.618	6.534	6.153	5.877	5.940	6.062	7.306	6.849	7.959	11.195
	TOTAL OBS	928	846	930	899	929	900	919	911	896	930	898	930	10916
21-23	MEAN	30.3	28.7	30.4	33.6	42.1	48.1	51.9	52.1	48.0	41.9	35.5	29.3	39.3
	S D.	7.154	7.267	8.489	7.539	6.152	6.018	5.422	5.634	5.816	7.215	6.977	8.249	11.142
	TOTAL OBS	929	845	930	810	836	811	915	909	897	930	857	930	10639
ALL HOURS	MEAN	30.2	28.6	30.1	33.7	42.6	48.0	51.7	52.0	47.9	41.9	35.6	29.3	39.3
	S.D	7.281	7.479	8.567	7.281	6.350	6.056	5.636	5.604	6.014	7.289	7.056	8.256	11.158
	TOTAL OBS	7433	6764	7439	6961	7188	6959	7358	7305	7170	7434	7193	7437	86639

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RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	00-02	100.0	100.	100.0	100.0	99.	98.6	92.6	74.6	31.3	84.9	2[illegible]
	03-05	100.0	100.	100.0	100.0	99.	98.4	92.6	74.1	31.3	84.8	[illegible]
	06-08	100.0	100.	100.0	100.0	99.	98.8	92.8	74.2	31.2	84.9	2[illegible]
	09-11	100.0	100.	100.0	100.	99.	98.8	92.	74.2	31.	84.8	[illegible]
	12-14	100.0	100.0	100.0	100.0	99.	98.1	92.1	74.1	31.0	84.8	92[illegible]
	15-17	100.0	100.0	100.0	100.0	99.	98.0	92.1	74.2	31.4	84.8	9[illegible]
	18-20	100.0	100.0	100.0	100.0	99.	98.7	92.1	74.3	31.4	84.8	92[illegible]
	21-23	100.0	100.0	100.0	100.0	99.0	98.5	93.1	74.4	31.3	85.2	929
TOTALS		100.0	100.0	100.0	100.0	99.[illegible]	98.7	92.1	74.4	31.3	84.9	7455

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1-2	100.0	100.0	100.0	[illegible]	98.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	100.0	100.0	100.0	[illegible]	98.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	10-11	100.0	100.0	100.0	[illegible]	[illegible]	97.7	[illegible]	[illegible]	[illegible]	82.7	[illegible]
	12-14	100.0	100.0	99.9	[illegible]	[illegible]	0.[illegible]	76.1	[illegible]	13.9	77.0	[illegible]
	15-17	100.0	100.0	99.9	[illegible]	9[illegible]	[illegible]	[illegible]	[illegible]	11.[illegible]	74.0	[illegible]
	18-20	100.0	100.0	100.0	[illegible]	97.[illegible]	[illegible]	74.[illegible]	[illegible]	12.1	76.3	[illegible]
	21-23	100.0	100.0	100.0	[illegible]	99.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	81.1	[illegible]
TOTALS		100.0	100.0	99.9	[illegible]	98.4	94.6	81.6	58.4	20.1	80.5	[illegible]764

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2

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	00-02	100.0	100.0	100.0	[illegible]	[illegible]	4.[illegible]	70.[illegible]	[illegible].1	[illegible].2	76.[illegible]	[illegible]
	03-05	100.0	100.0	100.0	[illegible]	[illegible]	5.4	79.7	31.9	11.5	72.2	[illegible]
	06-08	100.0	100.0	100.0	100.0	99.[illegible]	95.2	82.2	54.1	11.5	80.7	930
	09-11	100.0	100.0	100.0	99.9	99.[illegible]	88.9	66.7	43.1	6.5	75.5	930
	12-14	100.0	100.0	97.6	91.6	81.[illegible]	65.8	39.1	17.3	2.2	65.2	929
	15-17	100.0	99.6	94.1	87.7	78.[illegible]	54.8	29.0	12.3	2.[illegible]	61.3	930
	18-20	100.0	100.0	96.0	93.0	89.[illegible]	71.0	47.3	23.9	3.3	67.6	930
	21-23	100.0	100.0	100.0	98.8	95.[illegible]	87.2	62.5	32.3	6.1	73.7	930
TOTALS		100.0	100.0	98.7	96.2	90.[illegible]	81.9	60.0	33.4	7.0	72.4	7439

RELATIVE HUMIDITY

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%		
	00-02	100.0	100.0	100.0	[illegible]	[illegible]	83.4	[illegible]	[illegible]	7.7	74.0	[illegible]
	03-05	100.0	100.0	100.0	[illegible]	[illegible]	80.0	61.0	43.7	15.[illegible]	77.3	[illegible]
	06-08	100.0	100.0	100.0	[illegible]	[illegible]	89.2	74.7	47.4	12.7	78.1	[illegible]
	09-11	100.0	100.0	99.9	[illegible]	[illegible]	88.6	65.7	41.0	5.0	68.2	[illegible]
	12-14	100.0	100.0	97.9	93.0	84.[illegible]	43.4	26.0	12.7	2.7	53.9	900
	15-17	100.0	99.8	94.4	73.3	55.[illegible]	38.4	24.6	12.3	2.8	55.9	900
	18-20	100.0	99.9	97.1	[illegible]	68.2	51.6	34.0	13.1	4.6	61.7	[illegible]
	21-23	100.0	100.0	99.8	96.2	85.0	70.4	50.0	28.0	7.2	69.1	810
TOTALS		100.0	99.9	98.6	91.8	81.5	67.0	48.8	27.4	7.0	67.9	6961

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	00-02	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	73.4	[illegible]	[illegible]	77.3	[illegible]
	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	1.7	[illegible]	[illegible]	81.1	[illegible]
	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	54.2	[illegible]	[illegible]	[illegible]	79.2	[illegible]
	[illegible]	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	12-14	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	15-17	100.0	100.0	[illegible]	[illegible]	[illegible]	32.7	23.2	[illegible]	[illegible]	55.9	[illegible]
	18-20	100.0	100.0	99.7	[illegible]	[illegible]	47.5	33.1	17.4	[illegible]	61.9	[illegible]
	21-23	100.0	100.0	100.0	99.3	92.1	72.5	54.5	[illegible]	[illegible]	71.4	[illegible]
TOTALS		100.0	100.0	99.8	95.8	84.1	67.5	52.6	30.5	9.8	69.5	7188

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	0-2	100.0	100.0	100.0	[illegible]	[illegible]	2.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	12-14	100.0	99.9	97.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	15-17	100.0	99.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	18-20	100.0	99.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	21-23	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTALS		100.0	100.0	98.6	94.2	84.8	70.6	55.8	30.8	9.6	[illegible]	[illegible]

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

2

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	00-02	100.0	100.0	99.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.1	17
	03-05	100.0	100.0	100.0	99.2	[illegible]	96.4	93.7	83.6	[illegible]	93.4	921
	06-08	100.0	100.0	99.9	[illegible]	[illegible]	95.1	[illegible]	81.[illegible]	[illegible]	91.8	921
	09-11	100.0	100.0	99.0	97.4	[illegible]	78.4	48.4	23.0	[illegible]	69.3	921
	12-14	100.0	99.3	97.2	92.4	71.[illegible]	42.1	21.6	8.5	1.7	58.9	921
	15-17	100.0	98.7	96.2	[illegible]	[illegible]	46.7	19.1	7.6	1.[illegible]	56.3	921
	18-20	100.0	99.0	97.0	93.4	77.[illegible]	50.5	28.2	12.4	2.6	61.6	919
	21-23	100.0	100.0	98.5	97.6	94.1	84.0	60.5	24.0	[illegible]	72.0	919
TOTALS		100.0	99.7	98.5	95.7	86.1	72.1	55.8	31.1	8.1	70.3	7956

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	00-02	100.0	100.0	100.0	97.7	86.4	72.6	49.2	25.0	8.0	71.0	910
	03-05	100.0	100.0	100.0	97.6	87.2	70.0	50.7	31.2	11.2	74.7	914
	06-08	100.0	100.0	100.0	100.0	89.1	76.3	53.6	30.3	10.1	74.3	913
	09-11	100.0	100.0	99.8	97.5	91.1	76.7	56.6	28.4	9.6	71.9	914
	12-14	100.0	99.7	97.7	93.7	74.1	53.5	29.8	9.1	2.4	59.7	914
	15-17	100.0	99.2	95.7	83.2	64.3	39.3	21.9	9.5	2.7	56.9	915
	18-20	100.0	100.0	98.7	91.9	77.1	58.7	37.3	18.9	5.4	64.0	911
	21-23	100.0	100.0	99.9	97.8	93.1	83.5	66.1	36.9	11.4	74.7	909
TOTALS		100.0	100.0	99.0	94.6	86.7	73.8	59.4	37.3	14.1	72.1	7305

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.4	87.2	[illegible]	[illegible]	86.9	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.7	86.2	[illegible]	[illegible]	87.6	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.3	[illegible]	[illegible]	73.5	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.8	61.6	[illegible]	[illegible]	66.2	[illegible]
	15-17	100.0	100.0	99.3	98.5	78.[illegible]	52.9	32.7	13.4	2.6	62.5	897
	18-20	100.0	100.0	99.9	97.4	73.[illegible]	77.9	56.9	25.4	6.5	71.2	896
	21-23	100.0	100.0	100.0	100.0	96.[illegible]	94.6	85.2	48.5	15.5	79.7	897
TOTALS		100.0	100.0	99.9	98.4	94.5	84.7	73.1	47.0	18.7	77.1	7170

USAF ETAC FORM JUL 64 0-87-5 (OL 1)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	0-02	100.0	100.0	100.0	[illegible]	99.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.6	344
	03-05	100.0	100.0	100.0	[illegible]	98.[illegible]	95.7	86.0	69.5	5.[illegible]	82.2	931
	06-08	100.0	100.0	100.0	100.0	98.[illegible]	95.9	86.0	62.3	5[illegible].0	80.2	930
	09-11	100.0	100.0	100.0	[illegible]	98.[illegible]	96.3	79.3	71.3	34.[illegible]	84.5	927
	12-14	100.0	100.0	99.9	[illegible]	93.[illegible]	82.3	61.[illegible]	45.0	14.6	74.0	930
	15-17	100.0	100.0	99.7	97.[illegible]	91.[illegible]	77.6	55.1	42.1	9.[illegible]	71.4	930
	18-20	100.0	100.0	100.0	99.3	97.0	93.2	81.9	61.4	17.6	79.6	930
	21-23	100.0	100.0	100.0	100.0	99.[illegible]	97.6	91.2	72.2	30.9	84.8	930
TOTALS		100.0	100.0	100.0	99.4	97.5	92.9	83.5	64.7	32.3	82.5	7434

USAF ETAC FORM 0-87-5 (OL 1)

2

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	00-02	100.0	100.	100.0	[illegible]	[illegible]	9.8	[illegible]	[illegible]	[illegible]	87.	[illegible]
	03-05	100.0	100.0	100.0	[illegible]	[illegible]	.9.8	[illegible]	87.7	[illegible]	86.1	[illegible]
	06-08	100.0	100.0	100.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47.6	88.2	[illegible]
	09-11	100.0	100.0	100.0	[illegible]	[illegible]	93.5	86.4	61.7	41.2	37.1	[illegible]
	12-14	100.0	100.0	100.0	[illegible]	[illegible]	95.3	82.6	53.8	25.9	31.7	[illegible]
	15-17	100.0	100.0	100.0	[illegible]	[illegible]	95.3	81.5	54.4	29.1	30.7	[illegible]
	18-20	100.0	100.0	100.0	[illegible]	[illegible]	99.7	92.1	69.3	27.6	84.2	[illegible]
	21-23	100.0	100.0	100.0	100.0	[illegible]	98.8	97.0	73.4	[illegible]	85.1	[illegible]
TOTALS		100.0	100.0	100.0	100.0	99.9	98.7	92.6	75.5	35.3	85.4	7193

2

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	06-08	100.0	100.0	100.0	[illegible]	[illegible]	99.7	[illegible]	[illegible]	36.3	86.5	310
	09-11	100.0	100.0	100.0	[illegible]	[illegible]	99.4	[illegible]	[illegible]	36.8	86.9	325
	12-14	100.0	100.0	100.0	99.7	99.4	97.7	87.1	62.5	29.6	83.2	930
	15-17	100.0	100.0	100.0	99.7	99.4	97.2	88.0	69.2	32.1	82.5	929
	18-20	100.0	100.0	100.0	99.9	99.4	98.5	93.1	72.2	26.6	84.1	930
	21-23	100.0	100.0	100.0	100.0	99.7	98.8	94.0	76.4	32.0	85.4	930
TOTALS		100.0	100.0	100.0	99.9	99.6	98.7	92.9	76.3	31.3	85.0	7437

USAF ETAC FORM 0-87-5 (OL 7)

RELATIVE HUMIDITY

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
		100.0	99.7			6..	72.1	55..	21.1		70.3	7355
		100.0	100.0	99..			73.5	59..	27.3	14..	72.1	7305
			100.0	99.9			74.7	73.1	47..	1..	77.1	717
		100.0	100.0	100.0	99.4	97..	92.5	83..	64.7	3..	82.5	7434
		100.0	100.0	100.0	100.0	99..	98.7	92.8	75.5	35..	85.4	7199
		100.0	100.0	100..	99.9	99..	98.7	92.7	73.3	31.3	85.0	7457
TOTALS		100.0	100.0	99.4	97.1	92..	83.4	70.7	49.9	16.6	76.5	56659

USAF ETAC FORM JUL 64 0-87-4 (OL 1)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

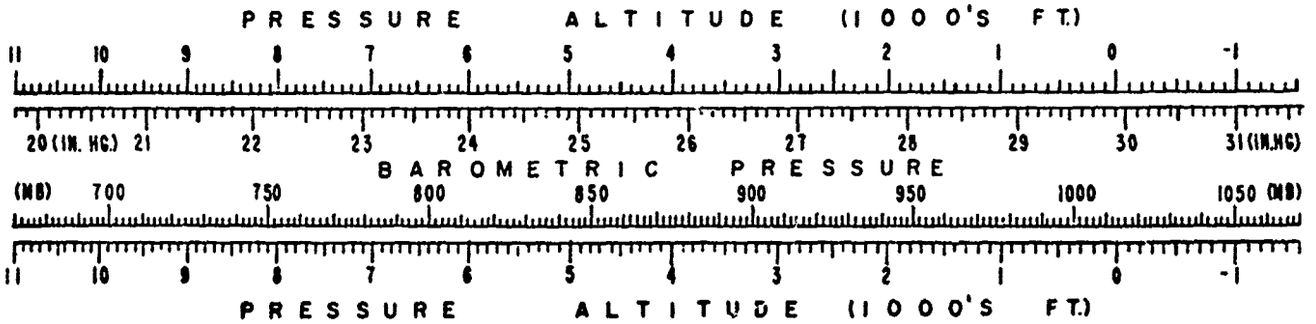
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided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

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars. DATA NOT AVAILABLE

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



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74-29967

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34049 (STATION) BITBURG AB GERMANY (STATION NAME) 71-78 (YEARS)

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	28.666	28.626	28.667	28.632	28.669	28.723	28.733	28.751	28.761	28.753	28.713	28.772	28.706
	S D	.307	.332	.267	.200	.177	.153	.136	.139	.201	.260	.306	.325	.249
	TOTAL OBS	247	226	248	212	216	210	247	248	240	247	240	217	2798
03	MEAN	28.659	28.622	28.656	28.621	28.656	28.712	28.722	28.740	28.751	28.743	28.704	28.769	28.697
	S D	.308	.335	.266	.200	.179	.163	.137	.141	.200	.264	.306	.324	.250
	TOTAL OBS	248	226	248	210	218	210	248	248	240	248	240	217	2801
06	MEAN	28.649	28.615	28.651	28.609	28.648	28.701	28.722	28.739	28.745	28.736	28.696	28.761	28.689
	S D	.304	.336	.265	.208	.184	.167	.139	.141	.202	.267	.309	.325	.250
	TOTAL OBS	248	226	248	240	247	240	248	248	239	248	240	217	2889
09	MEAN	28.665	28.630	28.670	28.624	28.662	28.713	28.733	28.753	28.765	28.756	28.713	28.778	28.705
	S D	.305	.337	.265	.212	.185	.169	.140	.143	.204	.267	.310	.324	.251
	TOTAL OBS	248	225	248	239	248	240	248	248	239	247	240	217	2847
12	MEAN	28.670	28.643	28.671	28.618	28.657	28.708	28.731	28.752	28.763	28.760	28.713	28.785	28.706
	S D	.309	.338	.265	.212	.187	.168	.139	.138	.204	.266	.307	.324	.251
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	240	217	2891
15	MEAN	28.646	28.618	28.647	28.597	28.644	28.696	28.716	28.737	28.744	28.739	28.692	28.765	28.686
	S D	.308	.333	.259	.208	.179	.162	.135	.136	.201	.260	.301	.318	.247
	TOTAL OBS	248	226	248	240	248	240	248	248	240	248	239	217	2890
18	MEAN	28.654	28.623	28.641	28.593	28.636	28.686	28.704	28.725	28.739	28.744	28.698	28.776	28.685
	S D.	.309	.333	.256	.207	.174	.160	.135	.135	.196	.256	.307	.314	.246
	TOTAL OBS	248	226	248	240	248	240	248	248	239	248	239	217	2889
21	MEAN	28.663	28.635	28.658	28.626	28.669	28.717	28.721	28.743	28.761	28.758	28.704	28.785	28.704
	S.D	.306	.336	.259	.204	.168	.157	.133	.137	.198	.258	.311	.316	.245
	TOTAL OBS	248	226	248	210	216	211	247	248	240	248	240	217	2799
ALL HOURS	MEAN	28.659	28.626	28.658	28.614	28.655	28.706	28.723	28.743	28.754	28.749	28.704	28.774	28.697
	S.D	.307	.335	.263	.207	.179	.163	.137	.139	.201	.262	.307	.321	.249
	TOTAL OBS	1983	1807	1984	1831	1889	1831	1982	1984	1917	1982	1918	1736	22644