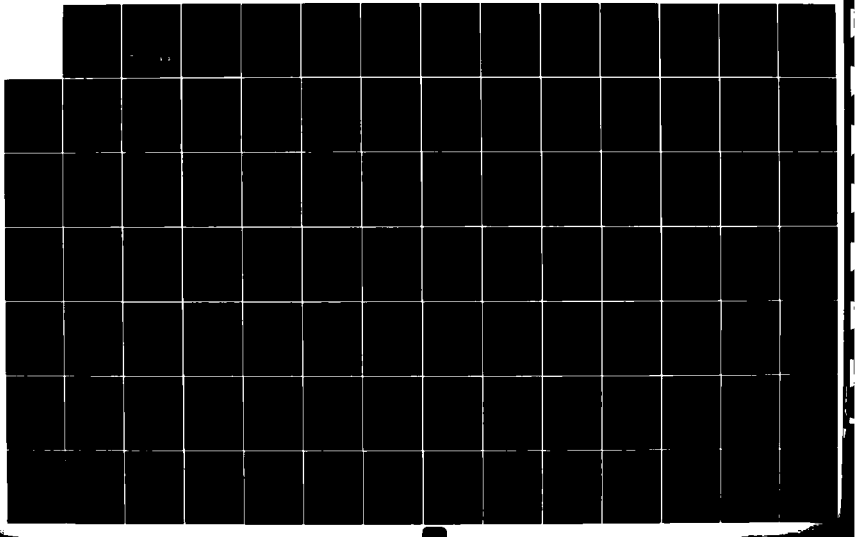
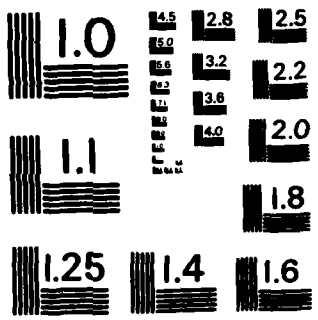
AD-A140 243 BAD KREUZNACH GERMANY(WEST) LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 1/3

UNCLASSIFIED 23 JAN 84 USAFETAC/DS-84/003 F/G 4/2 NL





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"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCS"

BAD KREUZNACH DL MSC #106265
N 49 51 E 007 53 ELEV 345 FT EDEH

PARTS A-F HOURS SUMMARIZED: 0600Z - 1500Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JUN 73 - MAY 83
SUMMARY OF DAY DATA: NONE

TIME CONVERSION GMT TO LST: +1

23 JAN 1984

DISTRIBUTION STATEMENT A
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ADE 850 612

REPORT DOCUMENTATION PAGE

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1 REPORT NUMBER: USAFETAC/DS- 84/003	2. GOVT ACCESSION NO.: AD-A140 243
3. RECIPIENT'S CATALOG NUMBER:	
4 TITLE (and Subtitle): Limited Surface Observations Climatic Summary (LISOCS) - BAD KREUZNACH, GERMANY (WEST)	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/TS, Air Weather Service (MAC), Scott AFB IL 62225	12. REPORT DATE: JAN 84
	13. NUMBER OF PAGES: 120
14 MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)	15. SECURITY CLASS. (of this report): UNCLASSIFIED
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE:

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

Limited-duty weather observation site.

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

*LISOCS	Climatology	Weather conditions
*RUSSWO	Surface winds	Relative humidity
*Climatological data	Sea-level pressure	Station pressure
Psychrometric summary	Atmospheric pressure	Ceiling versus Visibility

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

This report is similar to a Revised Uniform Summary of Surface Weather Observations (RUSSWO) except the summary generated is from data observed at limited-duty observation sites. This summary is blocked based on the normal hours of observation and only those tables using hourly data are presented. Caution must be exercised when using these summaries as the data reflect conditions occurring only during limited duty hours of operation. This report is a five-part statisitical summary of surface weather observations for Bad Kreuznach, Germany (West).

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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

* GERMANY (WEST) *WEST GERMANY *GERMANY *BAD KREUZNACH *DL106265

20. It contains the following parts: (A) Weather Conditions; (C) Surface Winds; (D) Ceiling Versus Visibility; (E) Psychrometric Summaries (psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard deviations and observation counts of station and/or sea-level pressure). Summaries in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

REVIEW AND APPROVAL STATEMENT

This report, ETAC/DS-84/003 , is approved for public release. There is no objection to unlimited distirbution of this report to the public at large, or by Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

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

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGMANN
Director, Air Weather Service
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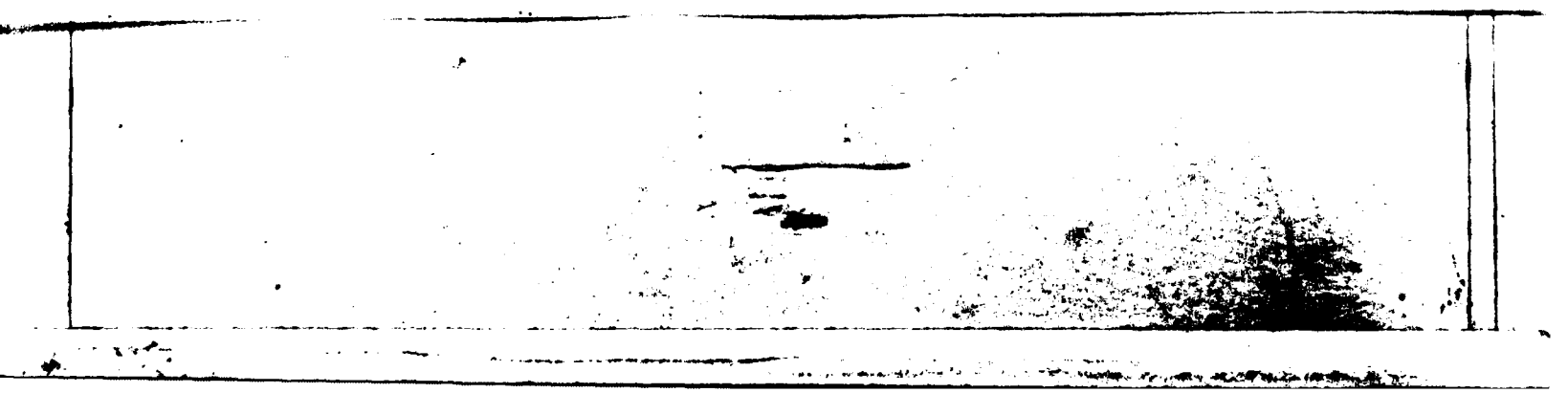
A-1

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



USAFETAC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES (LISOCS)
HOURLY OBSERVATIONS

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

SUMMARY OF THE DAY OBSERVATIONS

Summary of the day observations are selected from all data recorded on reporting forms and combined into these observations (records, record-specials, locals, summary of day, remarks, etc.).

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the LISOCS and the manner of presentation. Tabulations are prepared from observations recorded by stations operated by the US Services and some foreign stations using similar reporting practices.

Unless otherwise noted, the following summaries are included in this LISOCS:

PART A: WEATHER CONDITIONS

PART B: NO OR INSUFFICIENT DATA AVAILABLE*

PART C: SURFACE WINDS

PART D: CEILING VERSUS VISIBILITY

SKY COVER DATA NOT AVAILABLE

*PRECIPITATION, SNOWFALL AND SNOW DEPTH

PART E: DAILY HIGH, LOW, AND MEAN TEMPERATURES DATA NOT AVAILABLE

MAX HIGH AND MIN LOW TEMPERATURES DATA NOT AVAILABLE

PSYCHROMETRIC: DRY VS WET BULB

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

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 local standard time (LST).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMB
106265	BAD KREUZNACH GERMANY AAF	N 49 51	E 007 53	345	EDEH	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL	
			FROM	TO			STATION (FT)	BAROMETER
1	Bad Kreuznach Germany	AAF	Nov 59	Dec 70	N 49 52	E 007 53	355	N/A
2	No Chge	AAF	Jan 71	Sep 83	N 49 51	E 007 53	345	348

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CH
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Nov 59 to Feb 61	Located 40 ft E of bldg on top of tower	AN/GMQ-11	None	50 ft	
2	Mar 61 to Feb 62	Located on mast on tower.	No chge	None	60 ft	
3	Mar 62 to Feb 63	Located on top of tower cab.	No chge	None	80 ft	
4	Mar 63 to Feb 67	Located on top of control tower.	No chge	None	55 ft	

USAFETAC FORM APR 80 0-19 (OL A)

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	HT ABOVE GROUND	
5.	Mar 67to Feb 69	Located on control tower.	No Chge	None	50 Ft	
6	Mar 69to Dec 70	Located atop operations bldg.	No Chge	None	15 Ft	
7	Unkn	Location approximately 1969 Ft East of the tower.	GMQ11	None	15 Ft	
8	Unkn	Location in the tower	No Chge	RO 362	15 Ft	

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A

PART A WEATHER CONDITIONS

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

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

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

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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WEATHER CONDITIONS

10E265	BAD KREUZNACH DL	74-87	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02												
	03-05												
	06-08		14.5	.5	4.7		19.2	44.3	5.7			5 .0	476
	9-11		12.2	1.[illegible]	4.9		18.0	38.2	7.6			45.9	615
	12-14		9.8	.2	3.1		13.1	28.8	15.2			44.0	605
	15-17		8.5	.2	2.5		11.2	24.7	17.6			42.3	591
	18-2												
	21-23												
TOTALS			11.3	.5	3.8		15.4	34.0	11.5			45.6	2217

USAPETAC FORM JULY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1 4269 | BAD KREUZNACH DL | 74-87 | FEB
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02												
	03-05												
	06-08		9.0		4.5		13.2	54.5	11.1			65.6	778
	09-11		8.4		6.9		15.3	41.1	27.8			61.9	553
	12-14		8.4	.2	4.1		12.7	23.9	30.5			54.5	567
	15-17		7.9		2.3		10.1	19.7	31.8			51.4	557
	18-20												
	21-23												
TOTALS			8.4	.1	4.5		12.8	34.8	23.6			56.4	2757

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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10626	BAD KREUZNACH DL	74-83	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												
	03-05												
	06-08		14.6		2.2		16.5	38.3	15.3			54.5	418
	09-11		12.4		1.2		13.2	23.1	25.			48.1	644
	12-14		8.5		1.3		9.4	7.8	29.5			37.4	637
	15-17		14.4		.8		15.0	3.2	24.1			27.3	619
	18-20												
	21-23												
TOTALS			12.5		1.4		13.5	18.1	23.7			41.8	2318

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10626 BAD KREUZNACH DL 74-87 AP

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
APR	00-02												
	03-05												
	06-08		9.6		.7		9.6	26.0	25.5			51.4	416
	09-11		5.8		.3		5.9	8.0	34.7			42.7	623
	12-14	.3	7.6		.2		7.6	1.2	22.1			23.3	605
	15-17	.6	10.9		.2		10.9	.2	12.4			12.6	532
	18-20												
	21-23												
TOTALS		.2	8.5		.4		8.5	8.9	23.7			32.5	2176

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WEATHER CONDITIONS

1 6265 BAD KREUZNACH DL 74-87 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02												
	03-05												
	06-08		11.1				12.1	17.3	28.3			45.3	434
	09-11	.2	12.4				12.4	3.8	27.1			37.9	606
	12-14	.7	11.0				11.3	.9	11.3			12.2	584
	15-17	1.2	11.7				11.7	.6	5.3			5.8	513
	18-20												
	21-23												
TOTALS		.5	11.6				11.6	5.7	17.9			23.6	2107

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GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

1[illegible]265	BAD KREUZNACH DL	73-82	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUN	00-02												
	03-05												
	06-08	.7	8.3				8.3	14.5	24.8			39.2	408
	09-11	.2	7.2				7.2	3.6	23.9			27.5	614
	12-14	1.4	6.3				6.3	1.0	11.6			12.6	587
	15-17	.8	5.6				5.6	.4	6.2			6.6	532
	18-20												
	21-23												
TOTALS		.8	6.9				6.9	4.9	16.6			21.5	2141

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GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

106265 — STATION
BAD KREUZNACH DL — STATION NAME
73-80 — YEARS
JUL — 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.
JUL	00-02												
	03-05												
	06-08	.5	7.0				7.0	18.2	25.1			43.3	402
	09-11	.2	9.6				9.6	5.3	24.4			29.7	606
	12-14	1.0	7.0				7.0	1.7	12.1			13.8	596
	15-17	2.0	6.1				6.1	.7	6.1			6.9	540
	18-20												
	21-23												
TOTALS		.9	7.4				7.4	6.5	16.9			23.4	2144

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

106265	BAD KREUZNACH DL	73-82	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05												
	06-08	.2	5.5				5.5	29.4	22.2			51.6	419
	09-11	.2	4.9				4.9	9.4	30.9			40.4	627
	12-14	.5	6.4				6.4	1.5	20.9			22.4	612
	15-17	.7	5.5				5.5	1.2	13.9			15.2	561
	18-20												
	21-23												
TOTALS		.4	5.6				5.6	10.4	22.0			32.4	2219

USAFETAC FORM AAT 64 0-10-5(GL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

10626[illegible]	BAD KREUZNACH DL	73-8[illegible]	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02												
	03-05												
	06-08		7.3				7.3	44.2	15.9			6[illegible].1	328
	09-11	.4	6.7				6.7	2[illegible].6	30.3			51.1	495
	12-14	.2	6.7				6.7	5.7	3[illegible].7			36.4	489
	15-17	.2	7.9				7.9	1.8	20.8			22.6	456
	18-20												
	21-23												
TOTALS		.2	7.2				7.2	18.1	24.4			42.6	1768

USAFETAC FORM JULY 64 0-10-5(GL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

1?6265	BAD KREUZNACH DL	73-8?	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05												
	06-08		10.7				10.7	58.1	6.1			64.2	394
	09-11		11.8				11.8	44.8	12.3			57.1	594
	12-14	.2	9.5				9.5	24.4	20.1			44.5	587
	15-17	.5	8.3				8.3	15.8	18.4			34.2	564
	18-20												
	21-23												
TOTALS		.2	10.1				10.1	35.8	14.2			50.0	2139

USAFETAC FORM AUG 64 0-10-3(GL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10265	BAD KREUZNACH DL	73-82	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02												
	03-05												
	06-08		11.1	.3	1.9		13.3	50.0	5.7			55.7	368
	09-11		12.3	.2	1.8		14.3	35.9	11.6			47.5	452
	12-14		9.1		1.3		10.2	20.0	17.9			37.9	549
	15-17		9.3		1.8		11.1	19.0	15.1			34.1	504
	18-20												
	21-23												
TOTALS			10.5	.1	1.7		12.2	31.2	12.6			43.8	1973

USAFETAC FORM JULY 64 0-10-5(GL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

10626	BAD KREUZNACH DL	73-82	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02												
	03-05												
	06-08		16.2	.5	3.4		19.8	42.6	5.2			47.8	383
	09-11		16.6	.3	5.2		21.8	33.8	10.9			44.7	595
	12-14		15.9	.9	5.4		21.5	21.5	17.3			33.5	553
	15-17		17.3		3.2		19.6	20.2	16.0			36.2	495
	18-20												
	21-23												
TOTALS			16.4	.4	4.3		20.7	29.5	12.3			41.8	2726

USAFETAC FORM 0-10-5(DL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

DATA NOT AVAILABLE

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

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

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

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

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

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

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

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

C

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265	BAD KREUZNACH DL	74-83	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS) — 06 0-2800 (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										.7	5.0
NNE	.5	.5										1.0	3.5
NE	.5	.5										1.0	3.5
ENE	1.0	.7	1.0									2.7	4.8
E	1.0	.2	.2	.2								1.7	4.7
ESE	1.2	.5										1.7	2.9
SE	.5	.2	.2	.2								1.2	5.4
SSE	1.0	.2										1.2	2.4
S	1.0	.5	.2									1.7	3.7
SSW	.5	1.5	.5	.2								2.7	5.2
SW	1.0	4.4	4.2	1.2								10.8	6.9
WSW	1.0	3.2	4.7	3.0								11.8	8.3
W	3.4	2.5	4.4	3.2	.5							14.0	7.8
WNW	.5	.5	.2	.7								2.0	7.4
NW	.5	.5			.5							1.5	9.5
NNW		.2	.2	.5								1.0	9.8
VARBL			1.5	1.7								3.2	11.4
CALM												39.9	
	13.5	17.3	17.5	11.1	1.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 406

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10626 (STATION) BAD KREUZNACH DL (STATION NAME) 74-82 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0800-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2											.2	2.0
NNE	.7	.2										.3	2.4
NE	1.8	.7	.2	.2								2.8	3.5
ENE	1.5	.8	.5	.7								3.4	5.2
E	2.1	1.1	.5	.2								3.9	4.1
ESE	1.3	.5	.3									2.1	3.5
SE	1.5		.5									2.0	3.9
SSE	.2	.2										.3	3.5
S	1.3	.5										1.6	2.9
SSW	.7	1.6	.5	.2								2.9	5.8
SW	1.0	2.6	2.7	1.1								6.7	7.1
WSW	2.3	4.4	5.5	3.9	.3							16.1	8.5
W	2.4	.8	5.7	3.1	.3							12.4	6.4
WNW	1.5	1.7	.3	.8	.3							3.9	7.0
NW	.5				.2							.7	6.0
NNW		.3	.2									.5	5.3
VARBL		.2	2.3	3.1	.5							6.3	11.7
CALM												33.7	
	18.4	14.8	18.4	13.2	1.6							100.2	4.8

TOTAL NUMBER OF OBSERVATIONS 615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible] STATION | BAD KREUZNACH DE STATION NAME | 74-[illegible] YEARS | JAN MONTH

ALL WEATHER CLASS | [illegible]-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	.3	.3									.2	4.4
NNE	1.2	.2	.2									.5	2.8
NE	1.5	.5	.2	.5								.7	5.2
ENE	1.5	1.2	1.7	.2								4.5	5.5
E	2.3	1.[illegible]	.5	.5								4.3	4.5
ESE	2.5	1.0	.7									4.1	3.6
SE	1.2	.7										1.3	3.2
SSE		.3										.3	4.0
S	.2	.5	.2									.8	4.6
SSW	.5	1.2	.5	.2								2.3	5.9
SW	.7	2.5	4.5	.7								8.3	7.5
WSW	1.2	3.3	7.5	4.[illegible]	.5							16.4	6.9
W	.7	3.0	5.5	4.1	.8							14.1	9.7
WNW		.8	1.0	.5	.7							3.0	10.3
NW		.5	.2	.2								.3	6.6
NNW	.2	.5	.3	.2								1.2	6.7
VARBL		.2	2.7	3.3	1.2	.3						7.6	12.9
CALM												25.0	
	13.9	17.6	25.7	14.3	3.2	.3						100.2	5.9

TOTAL NUMBER OF OBSERVATIONS [illegible]63

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)

10[illegible]65 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.8										1.[illegible]	4.8
NNE	.2	.2	.2									.5	6.3
NE	1.4	.8	.3	.2								2.7	3.9
ENE	2.2	1.5	.3									4.1	3.6
E	3.6	2.[illegible]	1.[illegible]	.5								7.1	4.5
ESE	1.0	.5	.3									1.9	3.8
SE	1.5	.8	.8	.2								3.4	4.9
SSE	1.4											1.4	2.0
S	.5	.8	.5									1.9	5.4
SSW	.7	1.0	.8	.2								2.7	5.9
SW	1.3	2.4	2.2	1.0								6.6	6.8
WSW	.7	3.4	6.1	5.1	.3	.3						15.9	9.3
W	1.5	3.9	4.7	4.6	.5							15.2	8.7
WNW	.5	1.5	1.4	.7	.5							4.2	8.4
NW	.3	.5										.8	4.6
NNW	.3	.5	.2	.7								1.4	7.1
VARBL			2.9	3.2	.7							6.8	11.8
CALM												22.5	
	16.9	20.8	21.8	15.6	2.0	.3						1[illegible]0.0	5.7

TOTAL NUMBER OF OBSERVATIONS 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10365	BAD KREUZNACH DL	74-83	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5										1.1	3.5
NNE	1.1	.3	.5									1.9	4.4
NE	1.3	2.9	1.3									5.6	5.2
ENE	2.1	2.4	1.9	.5								6.9	5.3
E	2.1	1.6	1.3									5.0	4.4
ESE	1.1	1.1	.3									2.4	4.0
SE	.8		.3									1.1	3.5
SSE	.3	.3										.5	3.5
S	.5	1.1										1.6	3.5
SSW	.5	.5	.3	.3								1.6	5.8
SW	.8	2.4	1.1	1.1								5.3	6.7
WSW	2.9	2.1	2.9	.8								8.7	5.6
W	2.6	2.1	1.6	.3								6.6	5.0
WNW		.3	.5									.8	8.0
NW	.3		.3									.5	6.0
NNW	.3											.3	3.0
VARBL			.8	.5	.5							1.9	12.7
CALM												48.4	
	17.2	17.5	13.0	3.4	.5							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 378

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)

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (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	.9	.2	.7									1.8	4.9
NNE	2.1	1.6	.2									3.9	3.4
NE	1.4	1.1	1.1	.5								4.1	5.8
ENE	1.6	4.3	2.8	.7								9.4	6.3
E	3.4	2.1	4.3	.4								10.1	5.6
ESE	1.2	1.2										2.5	3.4
SE	.2		.2									.4	4.5
SSE		.2										.2	4.0
S	.4	1.1										1.4	4.4
SSW	.5	.9	.7									2.1	5.4
SW	.7	.5	2.7	.9								4.8	7.5
WSW	.7	2.7	3.7	.5								6.9	7.4
W	2.8	2.8	3.2	1.1								10.0	6.2
WNW	.2	.7	.5	.2								1.6	6.0
NW	.2	.2	.2	.4								.9	8.4
NNW			.4									.4	9.0
VARBL			1.4	.9	.5	.2	.2					3.2	13.5
CALM												36.3	
	16.4	18.9	22.1	5.5	.5	.2	.2					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 562

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)

1 6265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	.2									2.5	4.1
NNE	1.6	2.5	.7									4.8	4.8
NE	1.6	2.[illegible]	.9	1.1								5.5	5.9
ENE	1.2	3.[illegible]	3.7	1.8								9.8	7.5
E	4.3	5.9	4.1	.5								14.8	5.5
ESE	1.1	2.[illegible]	.2									3.2	4.1
SE	.7	.7										1.4	3.9
SSE	.2	.2	.4									.7	5.5
S	.7	.5	.5									1.8	4.8
SSW	.4	.7	.4	.5								2.0	7.0
SW	.5	1.2	1.8	.5								4.1	7.2
WSW		1.8	3.7	2.0								7.5	9.1
W	1.1	2.5	2.9	2.3								8.7	7.9
WNW	.9	.5	.7	.4								2.5	6.4
NW	.4		.7	.5								1.6	8.7
NNW			.2	.2								.4	9.0
VARBL			2.7	2.0	.2	.2	.2					5.2	11.6
CALM												23.4	
	15.7	24.8	23.7	11.8	.2	.2	.2					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 560

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)

11265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (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	1.6	.7										2.3	3.5
NNE	2.0	2.2	.9	.2								5.2	4.6
NE	2.9	2.7	2.5	.7								8.8	5.5
ENE	2.9	2.9	2.9	1.1								9.7	5.7
E	4.1	4.3	2.3	.7								11.5	5.1
ESE	2.7	2.2	.5									5.4	3.7
SE	.9	1.3	.4									2.5	4.1
SSE	.4	.4	.4									1.1	4.3
S	.7	.5	.4									1.6	4.2
SSW	1.1	.9	.7									2.7	4.9
SW	1.1	2.0	.9	.4								4.3	5.7
WSW	.9	2.2	2.9	2.2								8.1	7.9
W	1.3	1.4	2.7	1.3								6.6	7.5
WNW	.5	.7	.4	.5								2.2	6.9
NW	.4	.9	.4	.2								1.8	6.2
NNW	.5	.5										1.1	3.3
VARBL			2.7	1.6	.4							4.7	11.1
CALM												20.5	
	23.9	25.7	20.8	8.8	.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 557

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	.7									2.2	5.0
NNE	1.7	1.2	.2									3.1	3.5
NE	1.3	.2	.5	.2								1.9	5.6
ENE	1.4	.7	.7									2.9	4.5
E	1.9	.7										2.6	2.9
ESE	1.3	.5	.5									1.9	4.1
SE	.2	.5										.7	4.0
SSE	.2											.2	2.0
S	.5	.5										1.0	4.3
SSW	1.2	2.6	.7									4.5	4.8
SW	1.4	1.9	1.4	1.0		.5						6.2	7.6
WSW	3.3	4.1	4.1	1.9								13.4	6.5
W	3.1	3.6	3.3	1.0								11.0	6.1
WNW	1.4	.7										2.2	2.8
NW	.5	.5										1.0	3.5
NNW		.5	.5	.5								1.4	9.2
VARBL			2.9	1.2								4.1	10.1
CALM												39.7	
	19.6	18.9	15.6	5.7		.5						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 418

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)

10265	BAD KREUZNACH DL	74-83	MAR
STATION	STATION NAME	YEARS	MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.2	.5	.9								4.5	5.6
NNE	1.9	1.7	.2	.2								3.9	4.0
NE	1.6	1.6	1.2	.6	.2							5.1	6.2
ENE	1.6	1.2	1.4	.5								4.7	5.7
E	2.0	1.6	.9	.6								5.1	5.4
ESE	.5	.8	.3	.2								1.7	5.6
SE	.6	.3										.9	2.7
SSE	.3											.3	3.0
S	.2	.3	.3									.8	5.8
SSW	.3	1.1	1.2	.2								2.8	6.9
SW	.6	3.0	4.2	.6	.2	.5						9.0	8.0
WSW	1.6	4.3	5.4	2.0	.5							13.8	7.6
W	2.6	3.3	2.6	2.0								10.6	6.5
WNW	.5	.6	.5		.2							1.7	6.5
NW	.6	.3	.5									1.4	4.4
NNW	.5	.9	.7	.5								2.0	6.6
VARBL			3.7	4.7	.6							9.0	11.7
CALM												22.7	
	17.1	22.2	23.1	12.9	1.6	.5						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 644

USAFETAC FORM 0-8-5 (GL 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)

10265	FAD KREUZNACH DL	74-83	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

1200-1400 HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	1.3	.6	.3	.2							4.1	5.5
NNE	2.0	1.4	.9	.9								5.3	5.7
NE	.9	.6	.8	.6								3.0	6.5
ENE	1.1	1.7	1.7	.6	.2							5.3	7.2
E	3.3	3.0	2.7	.3								9.3	5.2
ESE	1.1	.6	.3	.2								2.2	4.9
SE	.5	.2		.6								1.3	8.1
SSE	.3	.3	.3									.9	5.3
S	.6	.9	.5									2.0	4.9
SSW	.5	.9	1.3	.3								3.0	6.8
SW	.8	1.9	3.5	1.9	.5	.2						8.6	9.3
WSW	.9	3.3	4.4	4.7	.3							13.7	9.1
W	2.2	3.1	4.4	2.8	.2							12.7	7.9
WNW	.8	.9	1.1	.5								3.3	6.3
NW	.5	.3	.5									1.3	5.6
NNW	.5	.6	.9	.2	.2							2.4	7.1
VARBL			6.9	4.9	.8							12.6	11.3
CALM												9.1	
	17.7	21.2	30.8	18.8	2.2	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10626 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	.8									2.9	4.7
NNE	2.3	.6	1.5	1.1	.2							5.7	6.9
NE	1.1	.8	.6	.3								2.9	5.6
ENE	.5	2.3	.5	.5								3.7	6.7
E	2.3	1.9	1.6	.5								6.3	5.3
ESE	1.8	1.1	1.9	.2								5.0	5.5
SE	.5	1.1	.6	.2								2.4	5.9
SSE	.5	.2	.2									.8	4.2
S	.5	1.7	.6									2.1	5.8
SSW	.3	2.4	1.5	.3								4.5	6.2
SW	.3	2.6	4.0	1.8	.3							9.1	8.6
WSW	1.1	2.8	4.5	3.2	.2							11.8	8.4
W	1.0	2.8	4.5	2.8	.2							11.2	8.3
WNW	1.5	2.4	1.1	.6								5.7	5.8
NW	.3	1.5	.8	.2								2.8	6.2
NNW	.2	1.1	.6	.3								2.3	6.9
VARBL			6.3	4.7	.2	.2						11.3	10.8
CALM												9.5	
	15.2	25.6	31.9	16.7	1.0	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 618

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10626 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) APR (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	2.4	1.4	1.0									4.8	4.2
NNE	1.9	1.4	.7									4.1	4.2
NE	1.2	.5	1.0	.2								2.9	5.3
ENE	1.0											1.0	2.5
E	.5		.2	.2								1.0	6.3
ESE	.2											.2	3.0
SE	.2											.2	1.0
SSE	.2											.2	1.0
S		.2										.2	5.0
SSW	.5	1.4	.5									2.4	5.3
SW	.7	2.4	2.9									6.0	6.3
WSW	3.4	3.4	1.4	1.0								9.1	5.5
W	7.5	3.1	4.3	1.2								16.1	4.9
WNW	.5	1.0	.2									1.7	4.3
NW	1.2	.7										1.9	3.6
NNW	1.0	1.4	.7									3.1	4.8
VARBL			1.0	.7								1.7	10.4
CALM												43.3	
	22.4	17.1	13.9	3.4								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 416

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265	BAD KREUZNACH DL	74-83	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	2.2	3.4	.8								8.3	4.5
NNE	4.0	2.4	1.4	.7								8.5	4.3
NE	2.1	1.4	.6	.5	.3							5.1	5.5
ENE	3.4	2.1	.9	.8	.7							7.2	5.1
E	2.7	2.6	1.9	.2								7.4	5.0
ESE	.6	.3	.2									1.1	3.6
SE	.5	.2	.2									.8	3.6
SSE		.3										.3	5.0
S	.2	.2	.2									.5	5.0
SSW	.5	.3	.8	.2								1.8	6.7
SW	.2	1.6	2.1	.6								4.5	7.3
WSW	.3	3.0	2.7	1.1	.2							7.4	7.6
W	.8	2.1	3.7	3.9								10.4	8.8
WNW	.8	1.3	.5	.3								2.9	5.8
NW	.2	.6	.6	.5								1.9	7.5
NNW	.8	.8	.5	.2								2.2	5.1
VARBL			5.5	3.2	.2							8.8	9.8
CALM												21.3	
	18.9	21.5	25.0	12.4	.8							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 623

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)

10265	BAD KREUZNACH DL	74-83	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.7	1.7	1.0								5.6	6.9
NNE	1.8	2.6	1.2	.2								5.8	4.9
NE	1.3	2.3	1.5	1.2	.?							6.6	7.2
ENE	2.5	1.8	1.?	.?								6.0	4.9
E	3.8	4.6	1.7	.7								10.7	5.0
ESE	2.?	2.3	1.7									6.0	4.8
SE	.8	.?		.2								1.7	4.7
SSE	.7	.5	.2									1.3	3.8
S	.3	.2	.5									1.0	5.3
SSW		.8	1.2	.2								2.1	7.2
SW	.?	1.5	2.3	1.2								5.1	8.1
WSW	.8	2.?	3.0	2.3								8.1	8.4
W	1.0	1.9	3.6	2.3	.2							8.9	8.5
WNW	.5	1.8	1.5	.7	.?							4.6	7.4
NW	.?	1.?	.8	.5								2.5	7.9
NNW	.8	1.?	2.0	1.?								4.8	7.5
VARBL		.?	8.3	4.5	.3							13.2	9.8
CALM												6.0	
	18.0	26.8	31.9	16.4	1.0							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 605

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1200-1700 (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	2.6	2.6	2.6								9.6	7.9
NNE	1.1	2.3	.6	.6								4.5	5.6
NE	1.5	2.1	1.1	1.3	.6							6.6	7.6
ENE	1.1	2.1	2.1	1.1								6.4	7.2
E	1.7	5.3	2.1	.2								9.2	5.7
ESE	1.7	3.2	1.9									6.6	5.2
SE	.4	1.1	.2									1.7	4.3
SSE		.2	.9	.2								1.3	8.1
S	.6	.2	.2									.9	3.8
SSW	.9	.8	1.5	.2								3.4	5.9
SW	.6	2.6	3.2	.6								6.8	6.8
WSW	.8	2.1	3.2	1.7	.2							7.9	8.3
W	.8	3.4	4.3	.9								9.4	7.2
WNW	.4	1.5	1.9	1.7	.2							5.3	8.5
NW	.6	1.5	1.7	.6								3.9	7.1
NNW	.6	1.1	2.1	.6								4.3	7.4
VARBL			5.6	2.4								8.1	9.5
CALM												4.1	
	14.3	31.8	34.6	14.3	.9							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 6265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-63 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

0700-0800 (HOURS (LST))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	1.5	1.0	.5								[illegible]	[illegible]
NNE	2.2	1.2	.5									3.7	3.7
NE	.5	.5	.2									1.2	4.2
ENE	2.2	1.2	1.7									.9	5.0
E	1.2	1.0	2.5	.2								4.5	6.3
ESE	.2		.2									.2	5.5
SE													
SSE	.2	.2										.2	4.5
S	1.0		.2									1.2	3.2
SSW	.2	.7										.9	4.5
SW	1.2	1.5	1.5	.2								4.5	5.7
WSW	4.0	2.5	2.0	1.0								9.4	5.5
W	6.2	5.0	2.7	.2								14.1	4.6
WNW	2.2	1.0	.2									3.4	3.6
NW		.2	.7	.2								1.2	8.6
NNW		.2		.2								.5	7.5
VARBL			1.5		.2							1.7	9.9
CALM												42.6	
	23.0	16.8	14.6	2.7	.2							[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS 494

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)

10725 BAD KREUZNACH GE 74-83 MAY
STATION STATION NAME YEARS MONTH

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

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	1.8	1.3	.2								5.3	4.8
NNE	3.0	1.2	.3	.2								4.8	3.6
NE	1.8	1.5	1.3	.5								5.1	5.6
ENE	2.1	2.3	2.5	.8								7.8	6.1
E	5.3	3.5	2.1	.7								11.6	4.6
ESE	2.	1.5	.3	.5								4.6	4.5
SE	.3		.2									.5	3.7
SSE	.3	.2										.5	3.7
S	.3	.5										1.2	3.9
SSW		.5	.8	.3								1.7	8.2
SW	1.5	2.5	1.2	.2								5.3	5.3
WSW	1.	4.5	4.	.3	.2							9.9	6.6
W	1.7	4.	2.6	1.	.2	.2						9.6	7.1
WNW	1.5	.5	.3	.5	.2							3.0	6.3
NW	.8	.5	.5									1.8	5.0
NNW		.3	1.3	.2	.2							2.1	7.7
VARBL			3.1	2.5	.2							5.8	10.5
CALM												19.7	
	24.0	25.8	22.0	7.8	.7	.2						100.2	4.8

TOTAL NUMBER OF OBSERVATIONS 605

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265	BAD KREUZNACH DL	74-87	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	1.5	1.4	.5								6.-	5.1
NNE	1.9	.9	1.0									3.8	4.7
NE	1.5	.5	1.7	.7	.2							4.6	7.1
ENE	1.9	2.4	1.4	1.5								7.2	6.6
E	4.1	3.9	2.2	.3								10.6	4.9
ESE	1.7	3.9	2.2	.2								8.0	5.5
SE	.9	1.2	.3									2.4	4.7
SSE	.3	1.4	.3									2.1	4.7
S		1.-	.2	.2								1.4	6.4
SSW	.7	1.5	1.4	.2								3.8	6.4
SW	.9	2.4	.9	.9	.2							5.1	6.7
WSW	1.7	3.3	3.6	.7								9.2	6.4
W	1.2	2.4	3.8	1.2	.2							8.7	7.8
WNW	.5	1.-	1.4	1.2								4.1	6.3
NW	.7	.9	1.-	.2								2.7	6.1
NNW	1.0	1.4	1.7	.2								4.3	5.8
VARBL			6.7	1.9								8.6	9.4
CALM												7.4	
	21.6	29.6	31.2	9.8	.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 584

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 6265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (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	.4	2.5	2.9	1.2								7.[illegible]	7.5
NNE	1.8	1.[illegible]	.4	.6								3.7	5.2
NE	1.9	1.4	1.4	.4	.2							5.3	6.1
ENE	1.2	2.7	1.2	.8								5.8	6.2
E	2.5	5.7	3.5	.6								12.3	5.7
ESE	2.7	2.5	1.2	.2								6.6	4.5
SE	1.[illegible]	1.9	.4	.2								3.5	5.1
SSE	1.[illegible]	.4	.[illegible]									1.6	3.3
S	.[illegible]	1.[illegible]	.4									1.6	5.4
SSW	1.[illegible]	2.1	1.2	.4								4.7	6.1
SW	.4	2.9	2.7	1.[illegible]								7.0	7.4
WSW	.4	3.5	2.7	1.[illegible]								7.6	7.3
W	1.8	2.5	5.1	2.1								11.5	7.8
WNW	.4	1.6	1.2	1.9								5.1	8.6
NW	.[illegible]	1.0	1.2	.2								2.5	6.9
NNW	.8	.2	1.8	.6								3.3	7.5
VARBL		.8	4.1	1.2								6.0	8.9
CALM												4.9	
	17.5	33.7	31.4	12.3	.2							1[illegible].[illegible]	6.4

TOTAL NUMBER OF OBSERVATIONS 513

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 c26[illegible] (STATION) BAD KREUZNACH DL (STATION NAME) 71-80 (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	1.7	2.2	2.0									5.9	5.2
NNE	2.9	1.2	.2									4.4	3.1
NE	1.0	.2	.2									1.5	3.2
ENE	.7		.2									1.0	2.8
E	.7	.2										1.0	2.8
ESE			.2									.2	10.0
SE													
SSE													
S													
SSW	.2	.7	.5									1.5	5.2
SW	2.9	1.7	.7									5.4	4.0
WSW	4.4	4.7	3.4	.7								13.2	5.3
W	6.4	5.4	2.2	.7								14.7	4.6
WNW	3.7	.7	.7	.2								5.4	3.9
NW	.7	.7	.5	.2								2.2	5.7
NNW	1.2	.7	.7									2.7	5.1
VARBL			2.2	.2								2.5	8.7
CALM												38.5	
	26.7	18.6	14.0	2.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 408

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

16265 (STATION) BAD KREUZNACH DL (STATION NAME) 72-82 (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	1.3	2.3	2.3	.2								6.1	5.9
NNE	4.2	3.6	1.0									8.8	3.9
NE	2.0	2.0	.5	.2								4.6	4.3
ENE	2.3	2.7	.5									4.4	3.9
E	4.1	2.4	1.5	.2								8.1	4.3
ESE	2.1	.3	.3									2.8	2.9
SE	.7											.7	1.8
SSE	.7	.2										.8	2.2
S	.7	.3										1.0	3.0
SSW	.7	.7	.8									2.1	5.2
SW	1.1	3.1	1.1	.2								5.5	5.3
WSW	1.3	5.2	3.1	1.3								10.9	6.9
W	1.6	3.3	5.0	1.8	.3							12.1	7.6
WNW	.5	.8	1.0	.2								2.4	6.5
NW	1.0	.5	.3	.2								2.0	5.2
NNW	.7	1.8	1.1									3.6	6.0
VARBL			4.6	2.0								6.5	9.6
CALM												17.8	
	24.4	28.3	23.1	6.0	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 614

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.4	2.0	.5								5.8	6.8
NNE	1.4	3.2	1.5									6.1	5.2
NE	1.9	2.4	.5	.2								4.9	4.6
ENE	1.9	2.4	1.5	.2								6.0	5.3
E	2.0	3.4	1.9									7.3	5.1
ESE	1.0	1.5	.5									3.1	5.0
SE	.9	.7	.9									2.4	5.1
SSE	1.0	.3										1.4	3.2
S	1.2	.9										2.0	3.4
SSW	.5	.9	.7									2.0	5.3
SW	.5	4.4	2.4	.9								8.2	6.6
WSW	.5	4.8	2.9	1.4								9.5	7.0
W	1.4	4.3	7.3	2.9	.2							16.0	7.9
WNW	1.2	2.0	.5	.2								3.9	5.0
NW	.2	1.5	1.4	.2								3.2	6.8
NNW	1.0	.7	1.0	.2								2.9	6.2
VARBL		.3	6.0	2.4	.2							8.9	9.8
CALM												6.3	
	17.4	36.1	31.0	8.9	.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265	BAD KREUZNACH DL	73-82	JLY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	3.2	3.9	1.9								10.9	6.9
NNE	1.5	2.1	1.7	.2								5.5	5.7
NE	.6	1.3	1.1	.2								3.2	6.2
ENE	1.1	1.3	2.1	.4								4.9	6.2
E	1.7	3.6	2.8	.4								8.5	5.7
ESE	1.3	2.1	.6	.2								4.1	4.8
SE	.6	.9	.4									1.9	5.1
SSE	.8	.9	.2									1.9	4.2
S	.6	1.3	.2									2.1	4.2
SSW	.4	1.1	.2	.2								1.9	5.3
SW	.8	2.4	2.6	.2								6.0	6.3
WSW	1.1	5.3	5.3	.8								12.4	7.1
W	2.1	3.2	5.6	1.9								12.8	7.3
WNW	.9	2.1	1.1	.8								4.9	6.6
NW	.4	.6	1.3									2.3	6.7
NNW	.8	.8	1.7	.8								3.9	7.6
VARBL			5.1	2.1	.2							7.3	10.0
CALM												5.6	
	16.4	32.1	35.9	9.8	.2							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 532

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10626 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (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	2.0	1.2	2.2									5.5	5.6
NNE	.7	1.0										1.7	3.9
NE	.7	.2	.2									1.2	3.2
ENE	1.2	.2	.2									1.7	3.0
E	.2	.2	.2									.7	4.7
ESE	.2											.2	3.5
SE													
SSE	.2											.2	3.0
S	.7											.7	2.3
SSW	1.5	.7										2.2	3.0
SW	4.2	2.5	1.7									8.5	4.1
WSW	4.5	6.0	5.0									15.4	5.0
W	8.0	4.5	2.5	.2								15.2	4.1
WNW	1.0	.5	.2									1.7	3.3
NW	.5	.5	.2									1.2	4.2
NNW	.5	.2	.5									1.2	5.4
VARBL			.5									.5	8.5
CALM												41.8	
	26.4	17.9	13.7	.2								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 402

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)

10626 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0900-1200 (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	3.0									7.6	5.8
NNE	1.7	1.7	.3									3.6	3.8
NE	2.8	1.3	.3									4.5	3.2
ENE	3.5	1.3										4.8	2.8
E	4.1	2.6	.8									7.6	3.9
ESE	.7	.8	.5									2.0	4.9
SE	.2	.2										.3	4.0
SSE	.5											.5	1.7
S	.7	.2	.2									1.0	4.2
SSW	1.2	1.7	.2									3.0	3.8
SW	2.0	3.5	4.1	.2								9.8	5.8
WSW	2.5	6.2	3.5	.3								12.2	5.7
W	2.3	5.5	6.6	1.7		.2						15.9	7.2
WNW	1.2	1.7	.5									3.3	4.9
NW	.2	.8	.3									1.3	5.6
NNW	1.8	.7	.5	.2								3.1	4.1
VARBL		.3	3.8	.3								4.5	8.4
CALM												15.0	
	26.4	31.1	24.6	2.6		.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 605

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10626S (STATION) BAD KREUZNACH DL (STATION NAME) 77-82 (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	1.8	2.9	3.0	.3								8.1	5.1
NNE	.7	2.0	1.3	.2								4.2	5.5
NE	1.8	2.2	.5									4.5	4.2
ENE	1.8	1.[illegible]	.2									3.4	3.8
E	3.2	3.9	1.[illegible]									8.1	4.5
ESE	1.3	2.2	.2									3.7	4.2
SE	.3	.5	.5									1.3	5.6
SSE	.2	.[illegible]	.2									.5	4.7
S	.3	1.[illegible]	.2									2.0	4.1
SSW	.6	1.[illegible]	.7									2.5	5.1
SW	1.2	2.5	2.7	.7								7.2	6.4
WSW	1.7	6.2	4.0	1.2								13.1	6.5
W	1.7	2.7	8.9	2.5	.2							15.9	8.2
WNW	1.2	1.3	1.2	1.0	.2							4.9	7.0
NW	.5	.7	.5	.2								1.8	5.8
NNW	1.2	1.7	.7	.2								3.7	5.2
VARBL		.3	7.4	2.3								10.1	9.3
CALM												5.2	
	20.3	32.6	33.1	8.6	.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 6265 — STATION
BAD KREUZNACH DE — STATION NAME
77-82 — YEARS
JUL — MONTH
ALL WEATHER — CLASS
1500-1700 — HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	3.7	4.3	.9								10.7	6.8
NNE	1.7	1.5	1.1									4.3	4.9
NE	.9	1.3	.2									2.4	4.5
ENE	.7	2.4	.7									3.9	5.1
E	2.9	3.1	.2									6.1	3.9
ESE	1.5	1.5	1.1									4.1	4.9
SE	.2	1.1	.4									1.7	4.9
SSE	.4	.2	.4									.9	5.4
S	1.1	.7	.2	.2								2.2	4.3
SSW	.4	1.3	.9									2.6	6.0
SW	.2	1.9	3.0	.2								5.2	7.3
WSW	.7	3.5	5.4	1.7								11.3	7.7
W	1.1	4.9	10.9	3.3	.2							20.4	8.4
WNW	1.3	1.5	1.9	.6	.2							5.4	6.6
NW	1.1	2.2	.2	.4								3.9	5.3
NNW	.2	.4	1.1									1.7	7.0
VARBL		.4	6.5	1.5								8.3	6.9
CALM												5.2	
	16.1	31.5	38.3	8.7	.4							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 540

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

16265 BAD KREUZNACH DL ??-?? ALL
STATION STATION NAME YEARS MONTH

ALL WEATHER 0?00-2?00
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	.?	.5									?.?	4.1
NNE	.5	.5										1.	3.3
NE		.?										.?	?.?
ENE	1.?	.2										1.?	2.6
E	.?	.?	.?									.?	4.7
ESE	.?											.?	2.0
SE													
SSE	.5											.5	2.?
S	.5											.5	2.?
SSW	1.?	.2										1.2	2.?
SW	1.7	1.4	.7									3.8	4.3
WSW	6.?	4.1	1.7									11.7	4.1
W	8.6	3.9	2.6									15.1	3.8
WNW	.5	.5	.2									1.2	5.2
NW	.2	.2										.5	3.0
NNW	1.7	.2	1.?									2.9	4.7
VARBL			1.?	.2								1.2	8.0
CALM												55.5	
	23.9	12.4	7.9	.2								100.?	1.8

TOTAL NUMBER OF OBSERVATIONS 418

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10626	BAD KREUZNACH DL	72-82	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

0900-1200 — HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	3.5	2.2	.6								7.3	6.4
NNE	2.4	2.6	.5									5.4	5.9
NE	2.6	1.3	.3									4.2	3.3
ENE	2.9	1.8	.5									5.1	3.7
E	2.2	3.	1.4									6.7	4.6
ESE	1.1	1.3	.2									2.6	3.9
SE	.2											.2	2.0
SSE	.3											.3	2.0
S	.6		.3									1.1	3.4
SSW	.5	.3	.3									1.2	4.4
SW	1.3	2.9	1.1	.3								5.6	5.4
WSW	2.7	5.1	3.4	.3								11.5	5.5
W	2.1	3.8	3.8	.6								10.4	6.1
WNW	1.3	.6	.5	.3								2.7	5.2
NW	.5	.8	.5									1.8	4.6
NNW	1.7	1.3	1.2	.3								3.3	5.2
VARBL			3.4	.6								4.2	8.7
CALM												25.7	
	23.3	28.8	19.3	3.2								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 -265 (STATION) BAD KREUZNACH DL (STATION NAME) 77-82 (YEARS) ALL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.6	2.1	.7								6.5	6.3
NNE	2.3	3.1	1.5									6.9	4.8
NE	1.3	1.5	.5									3.3	4.2
ENE	1.6	1.5	.7	.3								4.1	5.1
E	2.8	4.7	2.8	.3								10.6	5.8
ESE	1.1	2.9	1.6									5.6	5.3
SE	.8	1.1	.8									2.8	5.3
SSE	.7	.7	.7									1.5	4.3
S	.7	.5										1.1	2.6
SSW	1.3	2.8	1.5	.3								5.6	5.6
SW	1.5	2.9	2.1	.3								6.4	6.1
WSW	2.5	4.2	3.1	.5								10.3	5.8
W	1.1	4.4	4.6	1.6								11.8	7.1
WNW	.5	1.8	2.0	.3								4.6	7.1
NW	1.1	1.0	.5									2.5	4.6
NNW	1.1	2.3	1.0									4.4	5.0
VARBL		.3	5.7	1.1								7.2	9.2
CALM												5.7	
	19.8	38.2	30.7	5.6								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	BAD KREUZNACH DL	73-82	AUG

CLASS: ALL WEATHER

HOURS (L S T): 1500-1700

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.3	4.1	5.4	.7								12.[illegible]	6.5
NNE	1.8	2.1	1.8	.7								6.4	5.9
NE	.5	1.2	.7									2.5	4.9
ENE	1.2	1.8	.5									3.6	4.5
E	1.4	4.8	2.7									8.9	5.8
ESE	1.1	3.9	1.4									6.4	5.3
SE	.7	.9	.9									2.5	5.2
SSE	1.4	.4	.2									2.0	3.3
S	.4	1.6										2.0	4.7
SSW	.5	1.4	1.8									3.7	6.5
SW	.4	2.9	1.8	.2								5.2	6.2
WSW	1.4	4.5	3.7	.9								10.0	6.7
W	1.6	5.9	5.5	1.4								14.5	7.0
WNW	.2	1.8	1.1	.5								3.6	6.9
NW	.7	.7	1.1	.2								2.7	5.9
NNW	.9	1.4	1.4									3.7	5.8
VARBL			5.2	.7								5.9	8.9
CALM												3.9	
	16.6	39.5	34.6	5.4								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 560

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)

10625 (STATION) BAD KREUZNACH DL (STATION NAME) 72-82 (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		.6										.6	5.0
NNE	1.2											1.2	2.5
NE													
ENE													
E	.6											.6	2.5
ESE	.6											.6	1.5
SE													
SSE	.6											.6	2.0
S	1.5	.3	.3									2.1	2.9
SSW	1.5	.3	.3	.3								2.4	4.3
SW	1.5	2.1	.3									4.0	4.0
WSW	4.3	5.2	2.4	.6								12.5	5.5
W	6.7	2.7	2.1	1.2								12.8	4.7
WNW	1.2											1.2	1.8
NW	.9											.9	2.0
NNW	.6		.6									1.2	4.5
VARBL			1.2									1.2	6.8
CALM												57.9	
	21.3	11.3	7.3	2.1								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 328

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

16265 (STATION) BAD KREUZNACH DL (STATION NAME) 72-82 (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	.8	1.6	.2									2.6	4.2
NNE	2.8	1.6	.2									4.6	3.2
NE	3.4	.2	.4									4.0	2.6
ENE	1.0	1.2	.2									2.4	3.6
E	3.0	1.0	.2									4.2	3.0
ESE	1.2		.6									1.8	3.8
SE	.8											.8	1.8
SSE	.2											.2	2.0
S	.6	.2	.4	.2								1.4	5.4
SSW	1.0	1.2	2.4	.2								4.8	6.2
SW	.8	2.8	1.8									5.5	5.7
WSW	2.0	4.2	4.6	.2	.2							11.3	6.1
W	2.4	3.0	3.8	1.6								10.9	6.8
WNW	1.0											1.0	2.4
NW	1.2	.2	.2									1.6	3.3
NNW	.4	1.0	.2	.4								2.0	6.4
VARBL		.2	2.0	1.0	.4							3.6	10.6
CALM												37.0	
	22.8	18.6	17.4	3.6	.6							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 495

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10426 (STATION) BAD KREUZNACH GL (STATION NAME) 73-82 (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	2.0	1.2									4.5	5.5
NNE	2.2	1.4	.4									4.1	3.2
NE	1.6	1.0	.6									3.3	4.1
ENE	2.7	.8	1.2									4.7	4.3
E	3.5	3.3	.6									7.4	3.7
ESE	2.9	2.5	.4									5.7	4.2
SE	.6	1.2	.6	.2								2.5	5.5
SSE	.8	.2	.2									1.2	3.2
S	1.4	.8	.4									2.7	3.8
SSW	1.6	2.9	1.4	.4								6.3	5.7
SW	.6	3.3	3.3	.8								8.0	7.1
WSW	.9	2.7	3.3	1.4		.2						8.4	7.9
W	2.5	3.5	3.7	1.8								11.5	6.9
WNW	1.2	1.8	1.4	.6								5.1	6.2
NW	1.2		.6									1.8	4.2
NNW	.2	.4	.4									1.0	5.6
VARBL		.2	4.7	1.8								6.7	9.7
CALM												15.1	
	25.2	27.9	24.5	7.2		.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 489

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)

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 72-82 (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	1.1	2.4	2.4	.2								6.1	6.1
NNE	1.3	2.6	.9									4.8	4.6
NE	1.5	.7	1.1									3.3	4.7
ENE	1.9	.7	1.3									3.7	4.8
E	3.3	2.6	.7	.2								6.8	4.1
ESE	2.4	1.5	.4									4.4	3.7
SE	2.4	1.3	.9									4.6	4.2
SSE	1.3	.7	.2									2.2	3.6
S	.4	1.5	1.3									3.3	5.7
SSW	1.9	2.2	2.4									6.4	5.4
SW	1.5	4.2	2.6	.7								9.0	5.9
WSW	.7	3.5	5.5	1.1								10.7	7.4
W	.9	3.5	5.7	1.8								11.8	7.6
WNW	1.1	2.9	2.2	.2								6.4	6.0
NW	.2	.4	.9									1.5	6.9
NNW	.7	2.0	.2									2.9	4.8
VARBL			2.0	1.1								3.1	9.6
CALM												9.0	
	22.4	32.7	30.7	5.3								100.1	5.3

TOTAL NUMBER OF OBSERVATIONS 456

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

16265 (STATION) BAD KREUZNACH DL (STATION NAME) 72-82 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	.8	.3									1.3	5.6
NNE	.3	.8										1.2	4.0
NE	.3	.3										.5	3.0
ENE	1.8	2.0	.3	.3								4.3	4.2
E	2.0	1.3										3.3	2.5
ESE	.3	.8		.3								1.3	5.2
SE	1.8											1.5	2.2
SSE	1.5	.3	.3									2.0	3.1
S	.5											.5	2.5
SSW	1.0	.8										1.8	3.3
SW	2.3	1.5	1.5	.3								5.6	4.9
WSW	2.8	6.4	3.3	.8								13.2	5.8
W	3.3	2.0	1.0									6.4	3.8
WNW	.3	.5	.3	.3								1.3	7.0
NW			.3									.3	10.0
NNW		.3										.3	4.0
VARBL			2.3	.8								3.1	10.0
CALM												52.4	
	18.1	17.6	9.4	2.5								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 393

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)

10265	BAD KREUZNACH DL	73-82	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.8	.2									1.5	4.3
NNE	3.7	.7										4.4	2.4
NE	1.5	.5	.3									2.4	3.2
ENE	1.7	1.5	.8	.2								4.2	4.9
E	3.0	2.4	.8	.7								6.9	4.9
ESE	1.2	1.3	.2									2.7	3.9
SE	.5	.7										1.2	3.9
SSE	.7		.2									.8	3.4
S	.8	.8										1.7	3.8
SSW	.5	1.3	.5									2.4	5.1
SW	.3	2.4	1.5	.7								4.9	6.8
WSW	1.5	5.9	3.4	.7								11.4	6.1
W	2.7	1.9	3.2	.8								8.6	6.3
WNW	.3	.8	.2									1.3	4.3
NW	.2	.2	.5									.8	6.9
NNW	.3	.7	.5									1.5	5.0
VARBL			2.0	2.4	.5							4.9	11.6
CALM												38.4	
	19.5	21.9	14.3	5.4	.5							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 594

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 6265 (STATION) BAD KREUZNACH DL (STATION NAME) 72-82 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1000-1400 (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	1.5	.7									2.7	5.9
NNE	1.2	1.2	.2									2.6	3.6
NE	2.7	.5										3.2	1.9
ENE	3.2	1.9	1.2	.3								6.6	4.6
E	3.6	3.9	2.4	.7								10.6	5.3
ESE	2.9	1.7	.7									5.3	3.8
SE	.9	.9										1.7	3.3
SSE	1.0	.7										1.7	2.8
S	.7	.7	.3	.2								1.9	5.7
SSW	.3	.4	.7									1.7	6.0
SW	1.5	3.1	2.2	.3								7.2	5.9
WSW	2.2	3.9	4.1	1.9	.2							12.3	6.9
W	1.4	2.9	3.2	2.0								9.5	7.5
WNW	.5	1.0	.3	.3	.2							2.4	6.8
NW		.5	1.4									1.9	6.9
NNW	.2	.3	.7	.5								1.7	7.8
VARBL			3.1	2.2	.2	.3						5.8	11.5
CALM												11.3	
	22.8	25.4	21.1	9.5	.5	.3						100.2	4.8

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (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	1.2	.9	1.2									3.4	4.9
NNE	1.8	.7	.2									2.7	3.0
NE	1.8	1.4	.5									3.7	4.2
ENE	3.4	2.1	1.2	.2								6.9	4.4
E	3.5	3.7	2.2	.4								9.6	4.8
ESE	1.8	2.2										3.7	3.5
SE	1.8	.9										2.7	3.2
SSE	.7	.2	.2									1.1	3.5
S	.9	.5										1.4	3.5
SSW	.9	3.2	.9									4.8	4.9
SW	.9	3.5	2.2									6.4	5.7
WSW	2.1	3.7	3.9	.7	.2							10.6	6.3
W	1.1	3.7	3.2	1.8								9.8	7.3
WNW	.5	.9	.7	.2								2.3	6.4
NW		.7	.2									.9	6.2
NNW	.4	.2	.9									1.4	6.3
VARBL		.2	3.4	2.7	.2							6.4	10.4
CALM												12.3	
	22.7	28.4	20.4	5.9	.4							100.2	4.8

TOTAL NUMBER OF OBSERVATIONS 569

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

16265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (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	.5	.8	.5									1.3	5.0
NNE	.5											.5	1.5
NE	.8	.5	.3									1.6	4.2
ENE	.8	.5	.8	.3								2.5	6.6
E	2.2	.3										2.5	2.1
ESE	.3	.5										.8	3.7
SE	1.6	.3										1.9	2.1
SSE													
S	.5	.3										.8	2.3
SSW	1.4	1.6	.3									3.3	4.1
SW	1.9	2.5	3.3	1.6	.3							9.5	7.4
WSW	3.3	7.6	7.6	1.9								20.4	6.8
W	4.1	2.7	3.0	1.9		.3						12.0	6.6
WNW	.8		.3									1.1	3.5
NW	.5											.5	2.0
NNW	.3											.3	1.0
VARBL			1.1	.3								1.4	9.2
CALM												19.0	
	19.6	17.7	17.2	6.0	.3	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 367

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265	BAD KREUZNACH DL	72-82	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

0900-1100 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.7	.7									1.5	5.7
NNE	1.3	.5	.7									2.5	4.6
NE	.9	.7	.7									2.4	5.4
ENE	.9	.9	.9	.2								2.9	5.6
E	1.0	.7		.2								2.5	3.9
ESE	.9	.2										1.1	2.8
SE	1.1	.2										1.3	2.6
SSE			.2									.2	7.0
S	1.3	.4										1.6	2.6
SSW	1.3	.5	.4									2.2	3.6
SW	1.6	4.3	2.5	1.1	.2							9.6	6.6
WSW	3.3	4.9	7.8	4.2	.5	.4						21.1	6.2
W	2.5	4.2	4.7	2.7								14.2	7.3
WNW	.5	.9	.5	.2								2.2	5.8
NW	.5		.4									.9	5.2
NNW	.2	.2		.2								.5	7.3
VARBL			1.6	2.0								3.6	10.7
CALM												19.4	
	18.3	19.2	21.2	10.7	.7	.4						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 551

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10265	BAD KREUZNACH DE	72-80	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	.4									3.3	4.4
NNE	.9	1.1	.9									2.9	4.9
NE	.9	.9	.4	.2								2.4	5.2
ENE	1.1	.5	.7	.9								3.3	6.6
E	2.7	2.4	.4	.5								5.3	4.8
ESE	1.1	.5	.2									1.5	3.1
SE	.5	.4										.9	3.2
SSE	.5											.5	1.7
S	.4	.5	.4									1.3	4.7
SSW	.4	.5	.7	.2								1.5	6.7
SW	1.1	4.6	3.1	1.1	.4							10.2	7.2
WSW	.9	3.3	5.5	5.3	.7							15.7	9.5
W	7.2	3.3	5.1	6.4	.4							17.3	9.1
WNW	.9	1.1	1.5	.7								4.2	7.3
NW	.4	.5	.5									1.3	5.6
NNW	.4	.4	.4	.2								1.3	5.9
VARBL			4.2	2.7		.2						7.1	10.4
CALM												19.3	
	14.4	22.2	24.2	18.2	1.5	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 549

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible] STATION | BAD KREUZNACH DE STATION NAME | 57-63 YEARS | NOV MONTH

ALL WEATHER CLASS | [illegible]-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	1.2	.6	.8									2.6	4.6
NNE	1.6	1.2	.6									3.2	4.1
NE	.6	.8	.4	.2								2.2	5.6
ENE	1.8	1.2	.6	.6								4.2	5.1
E	3.2	1.6	.4									5.2	3.7
ESE	1.6	.6	.2									2.4	2.9
SE	.4	.6	.2									1.2	4.8
SSE	.2		.8									1.0	7.2
S	1.4	.2										1.6	3.1
SSW	1.0	1.2	.8	.2								3.2	5.1
SW	.8	3.8	3.6	1.6	1.2							10.9	8.5
WSW	2.4	5.6	6.2	3.6	.4							18.1	7.7
W	1.0	3.2	6.4	4.2	.4							15.1	9.2
WNW	.8	1.2	.2	.2								2.2	5.3
NW	.6	.8										1.4	4.3
NNW	.4	.6	.2	.2								1.4	6.4
VARBL			3.0	1.8		.2						5.0	10.6
CALM												19.3	
	19.1	22.7	24.3	12.5	2.0	.2						[illegible]	5.7

TOTAL NUMBER OF OBSERVATIONS 503

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 [illegible] BAD KREUZNACH DL [illegible]
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS HOURS [illegible]

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	.7	.7								[illegible]	[illegible]
NNE	.5	.8	.5									[illegible]	[illegible]
NE	.8	1.[illegible]	.9									[illegible]	[illegible]
ENE	1.[illegible]	1.3	.9	.3								[illegible]	[illegible]
E	3.1	2.9	.3									.3	3.8
ESE	.5	.5										[illegible]	[illegible]
SE		.3										[illegible]	[illegible]
SSE	.3	.3										[illegible]	[illegible]
S	.5	.8										1.[illegible]	3.5
SSW	1.[illegible]	.5	.5									.1	4.4
SW	1.5	3.7	1.6	.5								[illegible]	[illegible]
WSW	4.2	2.3	[illegible]	4.2	.3							[illegible]	7.7
W	1.3	3.7	4.2	2.9	.3							[illegible]	7.9
WNW	.9	.5	.3									1.[illegible]	4.3
NW		.7										.3	4.[illegible]
NNW	.5	.3	.7									[illegible]	4.3
VARBL			3.9	1.6	1.[illegible]							[illegible]	11.4
CALM												[illegible]	
	18.[illegible]	19.3	19.3	9.7	1.6							[illegible]	4.6

TOTAL NUMBER OF OBSERVATIONS 383

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)

1 4265 — STATION
BAD KREUZNACH DE — STATION NAME
77-82 — YEARS
DEC — MONTH
ALL WEATHER — CLASS
0300-1100 — 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	.7	.3	.2									1.2	3.7
NNE	1.4	.5										2.1	2.4
NE	.7	1.5	1.0									3.2	5.2
ENE	2.2	1.2	.8	.3								4.5	4.8
E	2.5	3.1	.2									5.7	3.7
ESE	.8	.7										1.5	3.1
SE	.2	.2	.2									.5	4.4
SSE	.3		.3									.5	1.5
S	.5		.3									.8	3.2
SSW	1.5	1.2	.5									.4	4.0
SW	1.3	3.5	2.5	.5								7.9	6.2
WSW	2.7	3.7	6.9	3.6	.2	.2						19.4	6.8
W	2.2	3.5	3.2	1.7	.5							11.1	7.3
WNW		.2	.5									1.2	6.4
NW	.3	.3	.3	.2								1.2	7.1
NNW	.2	.3	.3									.8	5.2
VARBL			2.2	4.2	.2							6.8	11.4
CALM												22.6	
	18.2	21.2	19.2	12.3	.8	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 594

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]	BAD KREUZNACH DL	72-82	DEC

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	.7	.2	.2								2.2	5.1
NNE	1.9	.9										2.7	2.9
NE	1.5	.9	.2									2.7	3.1
ENE	1.4	1.6	1.6	1.1								5.8	6.5
E	3.9	2.4	2.9	.4								8.5	5.5
ESE	.5	.4	.5									1.4	4.9
SE	.4	.7										1.1	3.3
SSE	.7											.7	1.8
S	.4	.5	.2									1.1	4.3
SSW	1.3	.9	.5	.2								2.9	5.3
SW	.7	4.3	1.8	.7	.7							7.4	6.7
WSW	2.2	5.4	7.2	6.9		.5						22.2	6.8
W	1.1	2.5	4.2	2.5	.7	.2						10.7	9.2
WNW	.2	.9	.5									1.6	6.1
NW	.4	.7	.4	.2								1.6	6.4
NNW	.4	.4	.4									1.1	5.5
VARBL		.2	1.8	4.9	1.1							8.0	12.8
CALM												18.3	
	17.1	22.6	22.4	17.0	2.0	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 553

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10626 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0530-1730 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.2										2.2	3.5
NNE	.8	1.2	.4									2.2	4.8
NE	1.2	.2	.4									1.8	3.8
ENE	2.8	2.4	1.4	.2								6.9	4.8
E	2.6	4.2	.6	.2								7.5	4.6
ESE	.6	.4										1.0	3.2
SE	1.2	.4										1.4	3.0
SSE	.8	.2										1.0	2.4
S	1.2	.6										1.8	3.1
SSW	1.8	1.2	1.6									4.6	6.1
SW	1.2	3.6	3.2	.4	.2							8.3	6.5
WSW	.8	4.8	6.7	8.1	.2							20.6	9.3
W	.6	3.2	2.6	2.4	1.2	.2						10.1	9.7
WNW	.6	.8	1.2	.8								3.4	7.7
NW	.4	1.2	.2									1.8	5.3
NNW	.2	.4	.2	.2								1.0	6.8
VARBL			3.2	2.0	.2							5.3	11.1
CALM												19.4	
	17.4	25.5	21.4	14.3	1.8	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 495

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. For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the ≥10 mi visibility category should be used with great caution.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1¾ GE24	≥1½ GE20	≥1¼ GE16	≥1 GE12	≥¾ GE10	≥½ GE08	≥⅜ GE05	≥¼ GE04	≥0 GE00
UNL	6.7	8.6	10.1	13.1	13.5	13.5	15.3	15.8	15.8	16.5	16.5	17.0	17.2	17.7	18.0	18.0
15000	7.1	9.4	11.3	14.3	14.8	14.8	16.7	17.5	17.5	18.2	18.2	18.7	19.0	19.5	19.7	19.7
10000	7.1	9.4	11.3	14.3	14.8	14.8	16.7	18.0	18.0	18.7	18.7	19.2	19.5	20.0	20.2	20.2
9000	7.1	9.4	11.3	14.3	14.8	14.8	16.7	18.0	18.0	18.7	18.7	19.2	19.5	20.0	20.2	20.2
8000	7.1	9.4	11.3	14.3	14.8	14.8	16.7	18.0	18.0	18.7	18.7	19.2	19.5	20.0	20.2	20.2
7000	7.1	9.4	11.3	14.3	14.8	14.8	16.7	18.0	18.0	18.7	18.7	19.2	19.5	20.0	20.2	20.2
6000	7.1	9.4	11.3	14.5	15.0	15.0	17.0	18.2	18.2	19.5	19.7	20.2	20.7	21.2	21.4	21.4
5000	7.1	9.4	11.3	15.3	15.8	15.8	17.7	19.0	19.0	20.2	20.4	20.9	21.4	21.9	22.2	22.2
4500	9.1	11.3	13.5	17.7	18.2	18.2	20.2	22.2	22.2	23.4	23.6	24.1	24.6	25.1	25.4	25.4
4000	9.6	11.8	14.0	19.0	19.7	19.7	21.7	23.9	23.9	25.1	25.4	25.9	26.4	26.8	27.1	27.1
3500	9.9	12.1	14.3	19.2	20.0	20.0	21.9	24.1	24.1	25.4	25.6	26.1	26.6	27.1	27.3	27.3
3000	9.9	12.1	14.3	19.7	20.4	20.4	22.4	24.6	24.6	25.9	26.1	26.6	27.1	27.6	27.8	27.8
2500	10.8	13.3	15.5	21.4	22.2	22.2	24.1	26.4	26.4	27.6	27.8	28.3	29.8	29.3	29.6	29.6
2000	12.8	16.5	19.2	25.1	25.9	25.9	28.1	30.3	30.3	32.3	32.5	33.0	33.5	34.0	34.2	34.2
1800	16.0	20.2	23.4	30.0	30.8	30.8	33.3	35.5	35.5	37.4	37.7	38.2	38.7	39.2	39.4	39.4
1500	20.9	25.6	29.6	37.4	38.7	38.7	41.4	43.6	43.6	45.8	46.1	46.6	47.0	47.5	47.8	47.8
1000	22.7	28.3	33.0	43.8	46.8	46.8	51.7	53.9	53.9	56.2	56.4	56.9	57.4	57.9	58.1	58.1
900	26.6	33.3	38.2	51.5	55.9	55.9	64.5	67.5	67.5	70.7	71.2	71.7	72.4	72.9	73.2	73.2
800	27.6	34.2	39.2	52.7	57.6	57.6	66.5	69.5	69.5	72.7	73.2	73.6	74.4	74.9	75.1	75.1
700	30.5	39.7	45.1	60.8	67.0	67.7	76.8	79.8	79.8	83.0	83.5	84.0	84.7	85.2	85.5	85.5
600	30.6	40.6	46.3	62.1	68.2	69.0	78.6	82.3	82.5	85.7	86.2	86.7	87.4	87.9	88.2	88.2
500	31.3	41.1	46.8	63.1	69.2	70.0	79.8	83.7	84.0	87.7	88.2	88.7	89.4	89.9	90.1	90.1
400	31.5	41.6	47.3	63.5	69.7	70.4	80.3	84.2	84.5	88.2	88.7	89.2	89.9	90.4	90.6	90.6
300	31.5	41.6	47.5	64.3	70.4	71.2	81.5	85.5	85.7	89.4	89.9	90.4	91.1	91.6	91.9	91.9
200	31.5	41.6	47.8	64.5	70.7	71.4	81.8	86.2	86.7	90.4	91.1	91.6	92.4	92.9	93.1	93.1
100	31.5	41.6	47.8	64.5	70.7	71.4	81.8	86.5	86.9	90.9	91.9	92.4	93.1	93.6	93.8	93.8
500	31.5	41.6	47.8	64.5	70.7	71.4	81.8	86.7	87.2	91.1	92.1	92.6	93.3	94.1	94.6	94.8
400	31.5	41.6	47.8	64.5	70.7	71.4	81.8	86.9	87.4	91.6	92.9	93.3	94.1	94.8	95.3	95.6
300	31.5	41.6	47.8	64.5	70.7	71.4	81.8	87.2	87.7	92.4	93.6	94.1	95.6	96.8	97.3	97.5
200	31.5	41.6	47.8	64.5	70.7	71.4	81.8	87.2	87.7	92.4	93.6	94.1	95.6	97.5	98.0	98.5
100	31.5	41.6	47.8	64.5	70.7	71.4	81.8	87.2	87.7	92.4	93.6	94.1	95.6	97.5	98.0	100.0
0	31.5	41.6	47.8	64.5	70.7	71.4	81.8	87.2	87.7	92.4	93.6	94.1	95.6	97.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 406

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

11625 BAD KREUZNACH DL 74-67 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	LT90	GE90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE00
7.8	8.5	9.4	11.2	12.0	12.0	13.0	13.8	13.8	14.3	14.3	14.8	15.0	15.3	15.4	15.4
9.6	11.1	12.0	14.0	15.0	15.1	16.9	18.2	18.2	18.7	18.7	19.2	19.3	19.7	20.0	20.0
9.6	11.1	12.0	14.0	15.0	15.1	16.9	18.2	18.2	18.7	18.7	19.2	19.3	19.7	20.0	20.0
9.6	11.1	12.0	14.0	15.0	15.1	16.9	18.2	18.2	18.7	18.7	19.2	19.3	19.7	20.0	20.0
9.8	11.2	12.2	14.1	15.1	15.3	17.1	18.4	18.4	18.9	18.9	19.3	19.5	19.8	20.2	20.2
10.1	11.7	12.7	14.6	15.8	15.9	17.7	19.0	19.0	19.5	19.5	20.0	20.2	20.5	20.8	20.8
10.7	12.7	13.7	15.8	16.9	17.1	18.9	20.2	20.2	20.8	20.8	21.3	22.0	22.4	22.9	22.8
11.1	13.2	14.3	16.9	18.2	18.4	20.2	21.5	21.5	22.1	22.1	22.6	23.3	23.7	24.1	24.1
12.4	14.6	15.8	18.5	19.8	20.2	22.3	23.7	23.9	25.2	25.2	25.7	26.3	26.8	27.2	27.2
13.5	15.8	17.1	19.8	21.8	22.1	24.2	25.7	25.9	27.2	27.2	27.6	28.3	28.8	29.1	29.1
13.5	15.8	17.1	19.8	21.8	22.1	24.2	25.7	25.9	27.2	27.2	27.6	28.3	28.8	29.1	29.1
14.3	16.6	17.9	20.7	22.8	23.1	25.5	27.2	27.3	28.6	28.6	29.1	29.8	30.2	30.6	30.6
15.6	18.5	20.0	22.8	24.9	25.2	27.6	29.3	29.4	30.7	30.7	31.2	31.9	32.4	32.7	32.7
16.7	21.4	23.6	26.7	28.8	29.1	31.9	33.7	34.0	35.4	35.4	35.9	36.6	37.1	37.4	37.4
19.8	25.0	27.6	31.1	33.3	33.7	36.4	38.2	38.5	40.0	40.0	40.5	41.1	41.6	42.0	42.0
23.9	29.8	32.8	38.9	42.0	42.3	45.0	47.0	47.3	49.1	49.1	49.6	50.2	50.7	51.1	51.1
28.1	34.8	38.7	46.2	50.2	50.7	55.0	57.4	57.7	59.7	59.7	60.2	60.8	61.3	61.6	61.6
31.4	38.5	42.8	52.4	57.4	58.5	64.2	66.8	67.3	69.6	69.6	70.1	70.7	71.4	71.7	71.7
33.5	40.8	45.5	55.4	60.8	62.0	67.8	70.9	71.4	73.7	73.7	74.1	74.8	75.4	75.8	75.8
36.6	45.2	50.4	61.5	67.2	68.5	74.8	77.9	78.4	80.7	80.8	81.3	82.0	82.9	83.3	83.4
37.6	46.2	51.5	62.8	68.5	69.8	76.4	80.0	80.5	82.9	83.1	83.6	84.2	85.2	85.5	85.7
37.6	46.2	51.7	62.9	68.9	70.2	77.1	81.1	82.1	84.9	85.2	85.5	86.3	87.8	88.1	88.3
37.6	46.2	51.7	63.1	69.1	70.4	77.2	81.3	82.3	85.0	85.4	85.9	86.8	88.3	88.6	88.8
37.6	46.2	51.9	63.7	69.8	71.1	77.9	82.1	83.1	86.5	86.8	87.5	88.6	90.1	90.4	90.6
37.6	46.2	51.9	63.7	69.9	71.2	78.0	82.3	83.4	87.0	87.3	88.0	89.3	90.7	91.1	91.2
37.6	46.2	51.9	63.7	69.9	71.2	78.0	82.6	83.7	87.3	87.6	88.5	90.2	91.7	92.2	92.4
37.6	46.2	51.9	63.7	69.9	71.2	78.0	82.9	84.2	88.5	88.9	89.8	91.5	93.2	93.5	94.1
37.6	46.2	51.9	63.7	69.9	71.2	78.0	83.1	84.4	88.6	89.3	90.1	92.2	94.1	94.5	95.4
37.6	46.2	51.9	63.7	69.9	71.2	78.0	83.1	84.4	88.6	89.3	90.2	92.4	95.7	95.8	97.1
37.6	46.2	51.9	63.7	69.9	71.2	78.0	83.1	84.4	88.6	89.3	90.2	92.4	95.3	96.6	98.7
37.6	46.2	51.9	63.7	69.9	71.2	78.0	83.1	84.4	88.6	89.3	90.2	92.4	95.3	96.6	100.0
37.6	46.2	51.9	63.7	69.9	71.2	78.0	83.1	84.4	88.6	89.3	90.2	92.4	95.3	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 615

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

106265 BAD KREUZNACH DL 74-83 JAN

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

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 LT9.0	≥9 GE9.0	≥8 GE8.0	≥7 GE6.0	≥6 GE4.8	≥5 GE4.0	≥4 GE3.2	≥3 GE2.4	≥2½ GE2.0	≥2 GE1.6	≥1½ GE1.2	≥1 GE1.0	≥¾ GE.8	≥½ GE.5	≥¼ GE.4	≥0 GE0
	8.1	9.3	9.6	12.2	13.7	14.0	15.4	16.0	16.0	17.5	17.7	17.9	17.9	17.9	17.9	17.9
15000	12.6	14.5	15.4	18.3	20.2	21.0	22.5	23.8	23.8	25.5	25.6	25.8	25.8	25.8	25.8	25.8
≥ 8000	12.6	14.5	15.4	18.3	20.2	21.0	22.5	23.8	23.8	25.5	25.6	25.8	25.8	25.8	25.8	25.8
7000	12.7	14.7	15.5	18.5	20.3	21.2	22.6	24.0	24.0	25.6	25.8	26.0	26.0	26.0	26.0	26.0
6000	13.1	15.0	15.9	18.8	20.7	21.5	23.0	24.3	24.3	26.0	26.1	26.3	26.3	26.3	26.3	26.3
≥ 5000	13.7	15.9	17.0	20.2	22.1	23.0	24.6	26.0	26.0	27.6	27.8	27.9	27.9	27.9	27.9	27.9
4500	15.0	17.5	18.8	22.3	24.3	25.1	26.8	28.1	28.1	29.8	29.9	30.1	30.1	30.4	30.4	30.4
4000	15.7	18.5	19.8	24.0	26.0	26.8	28.4	29.8	29.8	31.4	31.6	31.7	31.7	32.1	32.1	32.1
3500	17.0	20.5	22.0	26.3	29.1	29.9	31.6	33.2	33.2	35.0	35.2	35.4	35.4	35.7	35.7	35.7
3000	18.5	22.3	24.3	28.6	32.2	33.1	34.7	36.4	36.4	38.2	38.3	38.5	38.5	38.8	38.8	38.8
2500	18.5	22.3	24.3	28.6	32.2	33.1	34.7	36.4	36.4	38.2	38.3	38.5	38.5	38.8	38.8	38.8
2000	20.3	24.1	26.3	30.6	34.2	35.0	36.7	38.5	38.5	40.3	40.5	40.7	40.7	41.0	41.0	41.0
1800	20.5	24.6	26.8	31.1	34.9	35.7	37.5	39.3	39.3	41.2	41.3	41.5	41.5	41.8	41.8	41.8
1600	23.0	27.1	29.6	34.4	38.3	39.2	41.5	43.6	43.6	45.5	45.6	45.8	45.8	46.1	46.1	46.1
1400	25.3	29.8	32.6	37.4	41.3	42.1	44.5	46.6	46.6	48.4	48.6	48.8	48.8	49.1	49.1	49.1
1200	32.9	39.5	42.3	50.4	54.5	55.7	58.2	60.8	60.8	62.6	62.8	63.0	63.0	63.3	63.3	63.3
1000	36.5	44.1	48.3	56.7	61.8	63.1	66.1	68.9	69.1	71.1	71.2	71.4	71.4	71.7	71.7	71.7
900	39.5	47.6	51.9	61.8	67.1	68.9	72.9	75.9	76.0	78.0	78.2	78.3	78.3	78.7	78.7	78.7
≥ 800	40.7	49.6	54.4	64.3	69.6	71.4	75.9	79.0	79.2	81.7	81.8	82.0	82.0	82.3	82.3	82.3
700	42.5	52.1	57.5	68.3	73.7	75.9	80.7	84.1	84.5	86.9	87.1	87.3	87.6	88.1	88.1	88.1
≥ 600	42.8	52.4	58.0	69.1	74.9	77.0	81.8	85.3	85.6	88.1	88.3	88.4	88.9	89.4	89.4	89.4
≥ 500	43.0	52.6	58.5	69.8	75.9	78.0	82.8	86.4	87.3	90.2	90.4	90.6	91.1	92.2	92.2	92.2
400	43.0	52.6	58.7	70.4	76.5	78.7	83.5	87.1	87.9	91.1	91.2	91.4	91.9	93.1	93.1	93.1
≥ 300	43.0	52.6	58.7	70.4	76.7	78.8	83.6	87.3	88.3	91.6	91.7	91.9	92.4	93.6	93.6	93.6
≥ 200	43.0	52.6	58.7	70.4	76.7	78.8	83.6	87.3	88.3	91.9	92.1	92.2	92.7	93.9	93.9	93.9
100	43.0	52.6	58.7	70.4	76.7	78.8	83.6	87.3	88.3	92.1	92.2	92.4	92.9	94.4	94.4	94.4
≥ 000	43.0	52.6	58.7	70.6	76.9	79.0	84.0	88.6	89.8	93.9	94.2	94.4	94.9	96.4	96.4	96.5
	43.0	52.6	58.7	70.6	76.9	79.0	84.0	88.6	89.8	93.9	94.4	94.5	95.2	97.4	97.5	97.7
	43.0	52.7	58.8	70.7	77.0	79.2	84.1	88.8	89.9	94.0	94.5	94.7	95.7	98.3	98.5	98.8
	43.0	52.7	58.8	70.7	77.0	79.2	84.1	88.8	89.9	94.0	94.5	94.7	95.7	98.5	98.7	99.3
	43.0	52.7	58.8	70.7	77.0	79.2	84.1	88.8	89.9	94.0	94.5	94.7	95.7	98.5	98.7	99.8
	43.0	52.7	58.8	70.7	77.0	79.2	84.1	88.8	89.9	94.0	94.5	94.7	95.7	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 605

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10626S BAD KREUZNACH GE 74-83 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (HUNDREDS OF METERS) AND VISIBILITY (STATUTE MILES)

CEILING	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	< ½
GT 20	9.1	10.2	11.0	14.2	15.6	15.6	17.8	19.7	19.7	19.6	19.6	19.8	19.8	20.5	20.5	20.9
≥ 20	13.0	15.4	16.2	21.0	23.4	23.4	26.1	27.6	27.6	28.3	28.3	28.4	28.4	29.1	29.1	29.6
≥ 15	13.4	15.7	17.3	21.3	23.7	23.7	26.4	27.9	27.9	28.6	28.6	28.8	28.8	29.4	29.4	29.9
≥ 12	13.4	15.7	17.3	21.3	23.7	23.7	26.4	27.9	27.9	28.6	28.6	28.8	28.8	29.4	29.4	29.9
≥ 10	13.4	15.7	17.3	21.3	23.7	23.7	26.4	27.9	27.9	28.6	28.6	28.8	28.8	29.4	29.4	29.9
≥ 9	14.4	16.9	19.0	23.0	25.4	25.4	28.1	29.6	29.6	30.3	30.3	30.5	30.5	31.1	31.1	31.6
≥ 8	15.9	18.6	20.6	24.7	27.1	27.1	29.8	31.3	31.3	32.0	32.0	32.1	32.1	32.8	32.8	33.3
≥ 7	16.6	19.3	21.3	25.9	28.3	28.3	31.0	32.5	32.5	33.2	33.2	33.3	33.3	34.0	34.0	34.5
≥ 6	19.3	23.0	25.2	30.3	32.7	33.2	35.9	37.6	37.6	38.2	38.2	38.4	38.4	39.1	39.1	39.6
≥ 5	20.0	23.9	26.7	32.1	34.9	35.4	38.1	39.8	39.8	40.4	40.4	40.6	40.6	41.3	41.3	41.8
≥ 4½	20.0	23.9	26.7	32.1	34.9	35.4	38.1	39.8	39.8	40.4	40.4	40.6	40.6	41.3	41.3	41.8
≥ 4	21.2	25.4	28.8	34.5	37.2	37.7	40.8	42.5	42.5	43.1	43.1	43.3	43.3	44.0	44.0	44.5
≥ 3½	21.5	26.2	29.9	35.7	38.4	38.9	42.0	43.7	43.7	44.3	44.3	44.5	44.5	45.2	45.2	45.7
≥ 3	23.7	28.9	32.7	39.4	42.3	43.0	46.7	48.9	48.9	49.6	49.6	49.7	49.7	50.4	50.4	50.9
≥ 2½	25.7	32.0	35.7	43.3	46.2	46.9	50.8	53.1	53.1	53.8	53.8	54.0	54.0	54.7	54.7	55.2
≥ 2	32.0	41.1	46.0	55.7	58.7	59.7	64.8	67.3	67.5	68.2	68.2	68.4	68.4	69.0	69.0	69.5
≥ 1½	35.5	46.4	51.3	62.3	65.8	66.8	72.1	75.0	75.1	76.1	76.1	76.3	76.3	77.1	77.0	77.5
≥ 1¼	38.4	50.1	55.3	66.7	70.4	71.9	78.8	81.9	82.1	83.2	83.2	83.4	83.4	84.1	84.1	84.6
≥ 1	39.3	50.9	56.3	67.9	72.1	73.6	80.7	93.8	83.9	85.1	85.1	85.3	85.3	86.0	86.0	86.5
≥ ¾	41.1	53.3	59.6	71.9	76.5	78.0	85.4	98.5	88.7	89.8	89.8	90.0	90.0	90.9	90.9	91.4
≥ ½	41.6	53.8	60.2	72.9	77.5	79.0	86.6	89.7	89.8	91.4	91.5	91.7	91.7	92.6	92.6	93.1
< ½	42.6	55.2	61.6	74.5	79.2	80.7	88.3	91.4	91.5	94.4	94.6	94.8	95.1	95.9	95.9	96.4
M	42.6	55.2	61.6	74.6	79.4	80.9	88.5	91.7	91.9	94.8	94.9	95.1	95.4	96.3	96.3	96.8

CEILING	VISIBILITY															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	< ½
≥ 20	42.6	55.2	61.6	74.6	79.4	80.9	88.7	91.9	92.0	94.9	95.1	95.3	95.6	96.4	96.4	97.0
≥ 15	42.6	55.2	61.6	74.6	79.4	80.9	88.7	91.9	92.0	95.1	95.4	95.8	96.1	97.0	97.0	97.5
≥ 12	42.6	55.2	61.6	74.6	79.4	80.9	88.8	92.2	93.1	96.3	96.6	97.0	97.3	98.1	98.3	98.8
≥ 10	42.6	55.2	61.6	74.6	79.4	80.9	88.8	92.2	93.1	96.3	96.6	97.0	97.3	98.6	98.8	99.3
≥ 9	42.6	55.2	61.6	74.6	79.4	80.9	88.8	92.2	93.1	96.3	96.6	97.0	97.3	98.6	98.8	99.3
≥ 8	42.6	55.2	61.6	74.6	79.4	80.9	88.8	92.2	93.1	96.3	96.6	97.0	97.3	98.6	99.3	99.8
≥ 7	42.6	55.2	61.6	74.6	79.4	80.9	88.8	92.2	93.1	96.3	96.6	97.0	97.3	98.6	99.3	99.8
≥ 6	42.6	55.2	61.6	74.6	79.4	80.9	88.8	92.2	93.1	96.3	96.6	97.0	97.3	98.6	99.3	99.8
≥ 5	42.6	55.2	61.6	74.6	79.4	80.9	88.8	92.2	93.1	96.3	96.6	97.0	97.3	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 591

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

126265 BAD KREUZNACH DL 74-81 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	≥10 GT9.5	9 GE9.0	8 GE8.0	7 GE6.0	6 GE4.8	5 GE4.0	4 GE3.2	3 GE2.4	2½ GE2.0	2 GE1.6	1¼ GE1.2	1 GE1.0	⅞ GE0.8	½ GE0.5	¼ GE0.4	0 GE0.0
CLR	7.1	9.5	13.5	18.8	21.4	21.7	24.1	25.9	25.9	27.2	27.2	27.8	27.8	27.8	28.6	28.8
25000	7.9	10.3	14.3	19.6	22.2	22.5	25.1	27.0	27.0	28.6	28.6	29.1	29.1	29.4	30.2	30.4
20000	7.9	10.8	14.8	20.1	22.8	23.0	25.7	27.5	27.5	29.1	29.1	29.6	29.6	29.9	30.7	31.0
15000	7.9	10.8	14.8	20.1	22.8	23.0	25.7	27.5	27.5	29.1	29.1	29.6	29.6	29.9	30.7	31.0
10000	7.9	10.8	14.3	20.1	22.8	23.0	25.7	27.5	27.5	29.1	29.1	29.6	29.6	29.9	30.7	31.0
9000	7.9	10.8	14.8	20.1	22.8	23.0	25.7	27.5	27.5	29.1	29.1	29.6	29.6	29.9	30.7	31.0
8000	8.7	11.6	15.6	20.9	23.5	23.8	26.7	28.8	28.8	30.7	30.7	31.2	31.2	31.5	32.3	32.8
7000	8.7	11.6	15.6	21.4	24.3	24.6	27.8	29.9	29.9	31.7	32.0	32.5	32.5	32.8	33.6	34.1
6000	9.0	12.4	16.7	22.8	26.2	26.5	30.4	32.5	32.5	35.2	35.4	36.2	36.2	36.8	37.6	38.1
5000	9.0	13.0	17.2	23.3	26.7	27.0	31.0	33.1	33.1	35.7	36.0	36.8	36.8	37.3	38.1	38.9
4500	9.0	13.0	17.2	23.3	26.7	27.0	31.0	33.1	33.1	35.7	36.0	36.8	36.8	37.3	38.1	38.9
4000	9.3	13.5	17.7	23.8	27.5	27.8	32.0	34.1	34.1	36.8	37.0	37.8	37.8	38.4	39.2	39.9
3500	9.8	14.0	18.3	24.3	28.0	28.3	32.5	34.9	34.9	37.6	37.8	38.6	38.6	39.2	39.9	40.7
3000	10.6	15.9	20.1	27.2	31.2	31.5	35.7	38.4	38.4	41.5	41.8	42.6	42.6	43.1	43.9	44.7
2500	10.6	16.9	22.0	29.6	33.9	34.1	38.6	41.3	41.3	44.4	44.7	45.5	45.5	46.3	47.1	47.9
2000	14.0	21.4	28.0	37.0	43.4	43.7	49.2	52.1	52.4	56.6	57.4	58.2	58.2	59.0	59.8	60.6
1800	15.3	22.8	29.9	41.0	48.9	49.7	57.7	60.8	61.1	65.3	66.1	66.9	66.9	67.7	68.5	69.3
1600	17.7	26.2	33.6	47.6	56.6	57.4	66.4	70.1	70.6	75.1	75.9	76.7	76.7	77.5	78.3	79.1
1400	18.0	26.5	33.9	48.4	57.9	58.7	68.0	71.7	72.2	76.7	77.5	78.3	78.3	79.1	79.9	80.7
1200	19.3	26.3	36.0	53.2	63.2	64.0	74.3	78.0	78.6	83.6	84.7	85.4	85.7	86.5	87.3	88.1
1000	19.6	28.6	36.5	53.7	64.0	64.8	75.4	79.6	80.4	85.7	87.0	87.8	88.1	88.9	89.7	90.5
900	19.6	28.6	36.5	54.2	64.6	65.3	76.7	81.0	81.7	87.3	88.6	89.4	90.2	91.0	91.8	92.6
800	19.6	28.6	36.5	54.2	64.6	65.3	76.7	81.0	81.7	87.3	88.6	89.4	90.2	91.0	91.8	92.6
700	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.0	82.8	88.4	89.7	91.0	91.8	92.9	93.9	94.7
600	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.0	82.8	88.4	89.7	91.3	92.1	93.1	94.2	95.0
500	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.0	82.8	88.4	89.7	91.3	92.1	93.1	94.2	95.0
400	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.3	83.1	88.6	90.2	91.8	92.9	93.9	95.2	96.3
300	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.3	83.1	88.9	90.5	92.1	93.1	94.2	95.5	96.8
200	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.3	83.1	89.4	91.0	92.6	93.7	94.7	96.3	97.9
100	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.3	83.1	89.4	91.0	92.6	93.7	95.0	96.6	98.7
0	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.3	83.1	89.4	91.0	92.6	93.7	95.0	96.6	99.7
	19.6	28.6	36.5	54.5	64.8	65.6	77.5	82.3	83.1	89.4	91.0	92.6	93.7	95.0	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 378

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

16265 BAD KREUZNACH DL 74-87 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING (HUNDREDS OF METERS) AND VISIBILITY (STATUTE MILES)

LT 0.5	GE 0.5	GE 1	GE 1.5	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 12	GE 15	GE 20	GE 30
5.5	8.5	11.9	16.5	19.6	20.1	23.0	24.6	24.7	26.3	26.5	26.5	26.9	27.2	27.2	27.2	
6.2	10.0	14.1	16.7	21.7	22.2	25.6	27.4	27.8	30.1	30.2	30.2	30.6	31.0	31.2	31.1	
6.2	10.5	14.6	19.2	22.2	22.8	26.2	28.1	28.5	31.3	31.5	31.5	31.9	32.2	32.2	32.4	
6.2	10.5	14.6	19.2	22.2	22.8	26.2	28.1	28.5	31.3	31.5	31.5	31.9	32.2	32.2	32.4	
6.4	10.7	14.8	19.4	22.4	23.0	26.3	28.3	28.6	31.5	31.7	31.7	32.0	32.4	32.4	32.6	
6.6	11.0	15.1	19.8	22.8	23.3	26.7	28.6	29.0	31.9	32.0	32.0	32.4	32.7	32.7	32.9	
6.9	11.6	15.7	20.5	23.5	24.0	27.4	29.4	29.9	33.3	33.5	33.5	33.8	34.2	34.2	34.7	
7.3	11.9	16.0	20.8	23.8	24.4	27.8	29.7	30.2	33.6	33.8	33.8	34.2	34.5	34.5	35.1	
8.4	13.2	17.3	22.2	25.8	26.5	30.4	32.4	33.3	36.7	37.0	37.0	37.4	37.7	37.7	38.3	
8.9	14.2	18.7	24.7	29.0	29.7	33.8	35.6	36.7	40.0	40.4	40.6	41.1	41.8	41.8	42.3	
8.9	14.2	18.7	24.7	29.0	29.7	33.8	35.8	36.7	40.0	40.4	40.6	41.1	41.8	41.8	42.3	
9.3	14.6	19.0	25.1	29.5	30.2	34.3	36.3	37.2	40.7	41.1	41.3	41.8	42.5	42.5	43.1	
9.8	15.5	19.9	26.2	30.8	31.5	35.8	37.7	38.6	42.2	42.5	42.7	43.2	44.0	44.0	44.5	
11.6	17.6	22.6	29.5	35.4	36.3	40.9	43.2	44.1	46.0	48.4	48.6	49.1	49.8	49.8	50.4	
13.0	20.1	25.6	32.6	38.4	39.3	44.1	46.4	47.3	51.4	51.8	52.0	52.8	53.7	53.7	54.3	
16.0	24.6	30.6	39.1	46.1	47.0	52.7	55.5	56.4	61.0	61.4	61.7	62.6	63.5	63.5	64.1	
17.4	26.3	32.9	42.5	50.4	51.2	58.5	61.7	62.6	67.3	67.6	68.0	68.9	69.8	69.8	70.3	
19.9	29.0	36.7	48.0	56.4	57.3	66.0	69.9	71.0	76.0	76.3	76.7	77.6	78.5	78.5	79.2	
20.3	30.4	38.4	50.5	59.1	60.0	68.7	72.6	73.7	78.6	79.0	79.4	80.2	81.1	81.1	81.7	
21.4	31.9	40.4	54.6	63.3	64.6	73.5	78.1	79.2	85.4	85.8	86.1	87.2	88.1	88.1	88.6	
21.4	32.0	40.9	55.2	64.1	65.3	74.4	79.5	80.8	87.5	87.9	88.3	89.3	90.2	90.2	90.7	
21.9	32.6	41.6	55.9	64.8	66.0	75.1	80.4	81.7	88.4	89.0	89.7	90.9	91.8	91.8	92.3	
21.9	32.6	41.6	55.9	64.9	66.2	75.3	80.6	82.0	89.1	89.7	90.4	91.6	92.5	92.5	93.1	
21.9	32.6	41.6	55.9	64.9	66.2	75.3	80.6	82.0	89.1	89.7	90.7	92.3	93.2	93.2	93.8	
21.9	32.6	41.6	55.9	64.9	66.2	75.3	80.6	82.0	89.1	90.0	91.3	92.9	93.8	93.8	94.3	
21.9	32.6	41.6	55.9	64.9	66.4	75.4	80.8	82.2	89.3	90.2	91.5	93.1	94.1	94.1	94.7	
21.9	32.6	41.6	55.9	64.9	66.4	75.6	81.0	82.4	89.9	90.9	92.2	93.8	94.8	95.0	95.9	
21.9	32.6	41.6	55.9	64.9	66.4	75.6	81.0	82.4	89.9	90.9	92.2	93.8	95.4	95.9	96.8	
21.9	32.6	41.6	55.9	64.9	66.4	75.6	81.0	82.4	89.9	90.9	92.3	94.1	95.7	96.4	98.0	
21.9	32.6	41.6	55.9	64.9	66.4	75.6	81.0	82.4	89.9	90.9	92.3	94.5	96.3	97.0	99.6	
21.9	32.6	41.6	55.9	64.9	66.4	75.6	81.0	82.4	89.9	90.9	92.3	94.5	96.3	97.0	99.8	
21.9	32.6	41.6	55.9	64.9	66.4	75.6	81.0	82.4	89.9	90.9	92.3	94.5	96.3	97.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 562

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

[illegible] BAD KREUZNACH GE 74-67 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12-0-1400

NAUTICAL STATUTE MILES
OR (HUNDREDS OF METERS)

GT 9.0	GE 9.0	GE 8.0	GE 6.0	GE 4.0	GE 3.0	GE 2.4	GE 2.0	GE 1.6	GE 1.0	GE 1.0	GE 0.8	GE 0.5	GE 0.4	GE 0
8.4	11.6	13.9	18.9	23.8	23.9	27.0	28.8	29.3	30.4	30.4	30.4	30.5	30.5	30.5
10.5	13.9	16.4	21.4	26.6	26.8	30.2	32.3	32.9	34.1	34.1	34.1	34.3	34.3	34.5
10.5	13.9	16.4	21.4	26.6	27.0	30.4	32.5	33.0	34.3	34.3	34.3	34.5	34.5	34.6
10.5	13.9	16.4	21.4	26.6	27.0	30.4	32.5	33.0	34.3	34.3	34.3	34.5	34.5	34.6
10.5	13.9	16.4	21.4	26.6	27.0	30.4	32.5	33.0	34.3	34.3	34.3	34.5	34.5	34.6
10.5	14.3	16.8	21.8	27.0	27.3	30.7	32.9	33.4	34.6	34.6	34.6	34.8	34.8	35.0
11.4	15.5	19.0	23.4	28.8	29.1	32.9	35.2	35.9	37.1	37.1	37.1	37.3	37.5	37.7
12.0	16.6	19.3	24.5	30.0	30.4	34.1	37.0	37.7	38.9	38.9	38.9	39.1	39.3	39.5
12.7	18.6	21.7	27.0	32.9	33.2	37.0	39.6	40.5	41.8	41.8	41.8	42.0	42.1	42.3
13.8	20.2	23.4	29.8	36.4	36.8	40.5	43.8	44.5	46.1	46.1	46.1	46.3	46.6	46.8
13.8	20.2	23.4	29.8	36.4	36.8	40.5	43.8	44.5	46.1	46.1	46.1	46.3	46.6	46.8
14.5	21.3	24.5	30.9	37.9	38.2	42.0	45.2	45.9	47.5	47.5	47.5	47.7	48.0	48.2
15.0	22.0	25.7	31.6	38.8	39.1	42.9	46.1	46.8	48.4	48.4	48.4	48.6	48.9	49.1
17.5	25.5	29.1	35.9	43.9	44.3	48.0	51.4	52.1	53.9	53.9	53.9	54.1	54.8	55.0
19.1	28.0	32.1	38.9	47.0	47.3	51.1	54.5	55.2	57.0	57.0	57.0	57.1	57.9	58.0
24.6	35.2	40.0	48.6	58.4	57.2	62.1	65.7	66.4	68.4	68.6	68.9	69.1	69.8	70.0
27.3	38.6	47.4	52.3	61.6	62.1	67.7	71.6	72.3	74.3	74.5	74.8	75.0	75.7	75.9
30.7	42.7	47.9	57.9	67.7	68.2	74.3	78.9	79.8	82.1	82.5	82.9	83.0	83.9	84.1
30.9	43.9	49.6	59.8	69.6	70.2	76.3	80.9	81.8	84.1	84.5	84.8	85.0	85.9	86.1
31.8	45.0	50.9	63.0	73.8	74.3	80.4	85.5	86.4	89.5	89.8	90.2	90.4	91.3	91.4
32.0	45.2	51.3	63.6	74.5	75.0	81.3	87.0	87.9	91.6	92.0	92.3	92.5	93.6	93.8
32.1	45.4	51.6	64.3	75.0	75.5	81.8	87.9	88.8	92.5	92.9	93.2	93.4	94.5	94.6
32.1	45.4	51.6	64.3	75.0	75.5	81.8	87.9	88.8	92.5	92.9	93.2	93.4	94.5	94.6
32.1	45.4	51.6	64.3	75.0	75.5	82.0	88.2	89.1	93.0	93.4	93.8	93.9	95.0	95.2
32.1	45.4	51.6	64.3	75.4	75.9	82.5	89.1	90.2	94.1	94.5	94.8	95.0	96.1	96.3
32.1	45.4	51.6	64.3	75.5	76.1	82.7	89.5	90.5	94.6	95.0	95.4	95.5	96.6	96.8
32.1	45.4	51.6	64.3	75.5	76.1	82.7	89.5	90.5	95.2	95.5	95.9	96.1	97.3	97.5
32.1	45.4	51.6	64.3	75.5	76.1	82.7	89.5	90.5	95.2	95.5	95.9	96.1	98.0	98.2
32.1	45.4	51.6	64.3	75.5	76.1	82.7	89.6	90.7	95.5	95.9	96.4	96.6	98.8	98.9
32.1	45.4	51.6	64.3	75.5	76.1	82.7	89.6	90.7	95.5	95.9	96.4	96.6	98.8	98.9
32.1	45.4	51.6	64.3	75.5	76.1	82.7	89.6	90.7	95.5	95.9	96.4	96.6	98.8	98.9
32.1	45.4	51.6	64.3	75.5	76.1	82.7	89.6	90.7	95.5	95.9	96.4	96.6	98.8	98.9

TOTAL NUMBER OF OBSERVATIONS 563

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

10626 BAD KREUZNACH DE 74-87 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]

CEILING (HUNDREDS OF METERS)

GT99	GE99	GE88	GE66	GE48	GE44	GE33	GE24	GE22	GE16	GE11	GE10	GE08	GE05	GE04	GE02
12.8	14.9	17.6	25.3	26.8	27.1	29.6	30.5	31.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
14.7	18.5	21.9	30.3	33.0	33.4	36.1	37.1	37.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6
14.9	18.7	22.1	30.5	33.8	34.1	36.8	37.7	38.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
14.9	18.7	22.1	30.5	33.8	34.1	36.9	37.7	38.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
15.1	18.9	22.3	30.7	33.9	34.3	37.1	37.9	38.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5
15.1	19.2	22.6	31.2	34.6	35.0	37.7	38.6	39.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
16.5	20.8	25.0	33.4	37.0	37.5	40.2	41.1	41.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
17.1	21.4	25.5	34.1	37.7	38.2	41.1	42.0	42.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
19.2	24.6	28.9	38.8	42.5	43.1	46.0	46.9	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5
20.1	26.0	30.7	40.4	45.1	45.6	48.5	49.6	50.1	51.7	51.7	51.7	51.7	51.7	51.7	51.7
20.1	26.0	30.3	40.4	45.1	45.6	49.2	50.1	50.6	52.2	52.2	52.2	52.2	52.2	52.2	52.2
21.4	27.5	31.8	42.2	47.0	47.6	51.3	52.4	53.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6
22.8	29.4	33.8	44.2	49.0	49.6	53.3	54.4	54.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6
24.8	31.6	36.3	47.2	52.6	53.1	56.9	58.3	58.9	60.5	60.5	60.5	60.5	60.5	60.5	60.5
26.2	33.9	39.0	50.3	55.7	56.2	60.0	61.4	61.9	63.6	63.6	63.6	63.6	63.6	63.6	63.6
31.8	41.3	47.4	59.6	66.2	66.8	71.1	73.2	74.0	76.8	76.8	76.8	76.8	76.8	76.8	76.8
34.6	44.3	50.4	63.7	70.9	71.5	75.8	77.9	78.6	81.5	81.5	81.5	81.5	81.7	81.7	81.7
36.4	46.5	53.1	67.0	74.7	75.2	80.3	82.8	83.7	86.7	87.3	87.3	87.3	87.6	87.6	87.6
36.8	47.4	54.2	68.2	76.1	77.0	82.2	84.7	85.6	88.7	89.2	89.2	89.2	89.6	89.6	89.6
37.0	46.1	54.9	70.0	78.3	79.2	84.6	87.6	88.5	91.6	92.1	92.1	92.1	92.5	92.5	92.6
37.7	48.8	55.7	71.3	79.5	80.4	86.4	89.6	90.5	93.7	94.3	94.3	94.3	94.6	94.6	94.8
37.7	48.8	55.7	71.3	79.5	80.4	86.7	89.9	90.8	94.6	95.3	95.3	95.3	95.7	95.7	95.9
37.7	48.6	55.7	71.3	79.9	80.8	87.1	90.3	91.2	95.2	95.7	95.7	95.7	96.1	96.1	96.2
37.7	48.8	55.7	71.3	80.1	81.0	87.3	90.7	91.6	95.5	96.1	96.1	96.1	96.4	96.4	96.6
37.7	48.8	55.7	71.3	80.3	81.3	87.8	91.2	92.1	96.2	96.8	96.8	96.8	97.1	97.1	97.3
37.7	48.8	55.7	71.3	80.3	81.3	87.8	91.2	92.1	96.4	96.9	96.9	96.9	97.2	97.3	97.5
37.7	48.8	55.7	71.3	80.3	81.3	87.8	91.2	92.1	96.4	96.9	96.9	96.9	97.3	97.3	97.5
37.7	48.6	55.7	71.3	80.3	81.3	87.8	91.2	92.1	96.8	97.3	97.3	97.7	98.2	98.2	98.4
37.7	48.8	55.7	71.3	80.3	81.3	87.8	91.2	92.3	96.9	97.5	97.5	97.8	98.4	98.4	98.6
37.7	48.8	55.7	71.3	80.3	81.3	87.8	91.6	92.6	97.3	97.8	97.8	98.2	98.7	98.7	99.3
37.7	48.8	55.7	71.3	80.3	81.3	87.8	91.6	92.6	97.3	97.8	97.8	98.2	98.7	98.7	99.3
37.7	48.8	55.7	71.3	80.3	81.3	87.8	91.6	92.6	97.3	97.8	97.8	98.2	98.7	98.7	99.3

TOTAL NUMBER OF OBSERVATIONS 557

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible] BAD KREUZNACH DE [illegible] 74-83 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING VERSUS VISIBILITY (HUNDREDS OF METERS)

GT9	GE9C	GE8	GE6	GE4	GE3	GE2	GE1	GE1	GE1	GE1	GE1	GE1	GE1	GE
8.4	9.1	13.4	17.5	21.1	23.1	23.1	23.3	23.9	21.3	21.3	21.3	21.3	21.3	21.3	21.8
8.4	13.9	18.9	23.4	26.3	26.3	27.3	27.8	28.2	28.7	28.7	28.7	28.7	28.9	28.9	29.4
8.4	13.9	18.9	23.4	26.3	26.3	27.3	27.8	28.5	28.9	28.9	28.9	28.9	29.2	29.2	29.7
8.4	13.9	18.9	23.4	26.3	26.3	27.3	27.8	28.5	28.9	28.9	28.9	28.9	29.2	29.2	29.7
8.6	14.1	19.1	23.7	26.6	26.6	27.5	28.0	28.7	29.2	29.2	29.2	29.2	29.4	29.4	29.9
9.1	14.6	19.6	24.4	27.3	27.3	28.5	28.9	29.7	30.1	30.1	30.1	30.1	30.4	30.4	30.9
9.8	15.6	20.9	26.6	29.4	29.4	31.1	31.6	32.3	32.8	32.8	32.8	32.8	33.	33.0	33.5
11.0	17.2	23.2	30.6	33.7	33.7	35.4	35.9	36.6	37.8	37.8	37.8	37.8	38.	38.0	38.5
12.4	18.9	25.1	34.0	38.0	38.0	40.4	40.9	41.6	42.8	42.8	42.8	42.8	43.1	43.1	43.5
13.4	21.8	27.3	36.6	41.4	41.4	44.3	45.	45.7	46.9	46.9	46.9	46.9	47.1	47.1	47.6
13.6	21.3	27.8	37.1	41.9	41.9	44.7	45.5	46.2	47.4	47.4	47.4	47.4	47.6	47.6	48.1
14.4	22.0	28.5	37.8	42.6	42.6	45.5	46.2	47.1	48.6	48.6	48.6	48.6	48.8	48.8	49.3
15.3	23.0	29.4	39.0	43.8	43.8	46.7	47.4	48.3	49.8	49.8	49.8	49.8	50.0	50.0	50.5
17.5	26.1	32.9	43.8	48.8	48.8	49.0	52.(	53.3	54.3	56.0	56.0	56.0	56.2	56.2	56.7
18.9	28.1	35.9	48.8	55.3	55.5	59.6	61.3	61.2	62.9	62.9	62.9	62.9	63.2	63.2	63.6
21.8	32.8	42.6	57.4	65.6	65.8	71.5	72.5	73.4	75.4	75.4	75.4	75.4	76.1	76.1	76.6
22.7	34.9	45.5	61.2	70.8	71.1	76.8	78.0	79.2	81.1	81.1	81.1	81.1	81.8	81.8	82.3
24.6	37.6	48.8	67.0	76.8	77.3	83.5	84.9	86.1	89.0	89.0	89.0	89.0	89.7	89.7	90.2
25.1	38.3	49.5	67.7	77.5	78.0	84.2	85.6	86.8	89.7	89.7	89.7	89.7	90.4	90.4	90.9
25.6	39.7	51.0	69.9	79.7	80.1	86.8	88.5	90.7	93.3	93.3	93.3	93.3	94.0	94.0	94.5
25.8	39.7	51.0	70.1	79.9	80.4	87.1	88.8	90.4	93.5	93.5	93.5	93.5	94.3	94.3	94.7
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.5	91.1	94.5	94.5	94.5	94.5	95.2	95.2	95.7
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.5	91.1	94.5	94.5	94.5	94.5	95.2	95.2	95.7
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	91.4	95.0	95.0	95.0	95.0	95.7	95.7	96.2
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	91.6	95.2	95.2	95.5	95.5	96.2	96.2	96.7
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	92.1	95.7	95.7	95.9	96.2	96.9	96.9	97.4
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	92.1	95.7	95.7	96.4	96.9	97.6	97.6	98.1
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	92.1	95.7	95.7	96.4	96.9	97.6	97.6	98.1
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	92.1	95.7	95.7	96.4	96.9	97.6	97.6	98.1
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	92.1	95.7	95.7	96.4	96.9	97.6	97.8	99.0
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	92.1	95.7	95.7	96.4	96.9	97.6	97.8	99.5
26.1	40.2	51.4	70.6	80.4	80.9	87.6	89.7	92.1	95.7	95.7	96.4	96.9	97.6	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 418

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

16628 BAD KREUZNACH DL 74-83 MAR
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING VERSUS VISIBILITY
OR (HUNDREDS OF METERS)

GT9	GE9	GE8	GE6	GE4	GE3	GE2	GE1½	GE1	GE¾	GE½	GE¼	GE0
8.7	12.7	14.9	18.2	20.8	21.0	21.4	21.4	21.9	22.4	22.4	22.4	22.4	22.4	22.4
13.0	18.8	21.0	25.3	28.1	28.3	29.2	29.8	30.4	31.1	31.1	31.1	31.1	31.1	31.1
13.0	18.8	21.0	25.6	28.4	28.6	30.9	30.6	31.2	31.8	31.8	31.8	31.8	31.8	31.8
13.0	18.8	21.0	25.6	28.4	28.6	30.0	30.6	31.2	31.8	31.8	31.8	31.8	31.8	31.8
13.2	18.9	21.1	25.8	28.6	28.7	30.1	30.7	31.4	32.0	32.0	32.0	32.0	32.0	32.0
13.2	19.1	21.3	25.9	28.7	28.9	30.4	31.1	31.7	32.3	32.3	32.3	32.3	32.3	32.3
14.4	20.7	22.9	27.8	30.9	31.1	33.1	33.7	34.3	34.9	34.9	34.9	34.9	34.9	34.9
16.1	22.5	25.3	31.1	34.8	34.9	37.4	38.4	39.0	39.8	39.8	39.8	39.8	39.8	39.8
18.0	24.8	28.4	35.2	40.1	40.2	43.2	44.1	44.7	45.7	45.7	45.7	45.7	45.7	45.7
19.1	26.1	29.7	37.3	42.5	42.7	45.8	46.7	47.4	48.4	48.4	48.4	48.4	48.4	48.4
19.1	26.1	29.7	37.3	42.5	42.7	45.8	46.7	47.4	48.4	48.4	48.4	48.4	48.4	48.4
21.0	28.0	31.5	39.4	44.7	44.9	48.2	48.9	49.5	50.6	50.6	50.6	50.6	50.6	50.6
21.1	28.1	31.9	40.2	45.5	45.7	48.9	49.8	50.5	51.6	51.6	51.6	51.6	51.6	51.6
23.1	30.3	34.5	44.4	50.5	50.6	53.9	54.8	55.6	56.8	56.8	56.8	56.8	56.8	56.8
25.3	32.6	37.7	47.8	54.3	55.0	58.5	59.6	60.4	61.6	61.6	61.6	61.6	61.6	61.6
30.0	38.5	43.3	56.5	64.4	65.2	71.0	71.1	71.9	73.3	73.3	73.3	73.3	73.3	73.3
32.0	41.1	46.4	60.7	69.6	70.5	75.8	76.9	77.8	79.5	79.5	79.5	79.5	79.5	79.5
34.8	45.7	51.7	67.4	76.6	77.5	83.1	84.8	85.9	87.9	87.9	87.9	87.9	87.9	87.9
36.0	47.0	53.1	69.3	78.4	79.5	85.1	87.0	88.0	90.1	90.1	90.1	90.1	90.1	90.1
37.3	49.1	55.1	71.9	81.2	82.3	87.9	89.8	91.0	93.0	93.0	93.0	93.0	93.0	93.0
37.9	49.7	55.9	73.0	82.6	83.7	89.4	91.6	93.0	95.2	95.2	95.2	95.2	95.2	95.2
37.9	49.7	55.9	73.4	83.4	84.5	90.5	93.2	94.6	97.0	97.0	97.0	97.0	97.0	97.0
37.9	49.7	55.9	73.4	83.7	84.8	91.1	93.8	95.2	97.7	97.7	97.7	97.7	97.7	97.7
37.9	49.7	55.9	73.4	83.7	84.8	91.3	93.9	95.3	97.8	97.8	97.8	97.8	97.8	97.8
37.9	49.7	55.9	73.4	83.7	84.8	91.3	93.9	95.3	97.8	97.8	97.8	97.8	97.8	97.8
37.9	49.7	55.9	73.4	83.7	84.8	91.3	94.6	96.1	98.8	98.8	98.8	98.8	98.8	98.8
37.9	49.7	55.9	73.4	83.7	84.8	91.3	94.6	96.1	98.8	98.8	98.8	98.8	98.8	98.8
37.9	49.7	55.9	73.4	83.7	84.8	91.3	94.6	96.1	98.9	98.9	99.1	99.1	99.4	99.4	99.4
37.9	49.7	55.9	73.4	83.7	84.8	91.3	94.6	96.1	98.9	98.9	99.1	99.1	99.4	99.4	99.5
37.9	49.7	55.9	73.4	83.7	84.8	91.3	94.6	96.1	98.9	98.9	99.1	99.1	99.4	99.4	99.7
37.9	49.7	55.9	73.4	83.7	84.8	91.3	94.6	96.1	98.9	98.9	99.1	99.1	99.4	99.4	100.0
37.9	49.7	55.9	73.4	83.7	84.8	91.3	94.6	96.1	98.9	98.9	99.1	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 688

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

1 6255 SAD KREUZNACH OL 74-67 MAR
STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)

CEILING FEET	≥10 GT9	≥9 GE9	≥8 GE8	≥7 GE6	≥6 GE48	≥5 GE40	≥4 GE32	≥3 GE24	≥2½ GE2½	≥2 GE16	≥1¼ GE12	≥1 GE10	≥¾ GE08	≥½ GE05	≥¼ GE04	≥0 GE0
	11.9	14.9	16.2	19.0	21.7	21.7	22.3	22.6	22.8	22.6	22.8	22.8	22.8	22.8	22.8	22.8
	16.8	21.2	22.6	27.3	30.0	30.0	30.9	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
	17.0	21.4	22.8	27.5	30.1	30.5	31.6	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
	17.0	21.4	22.8	27.5	30.1	30.5	31.6	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
	17.0	21.4	22.8	27.5	30.1	30.5	31.6	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
	18.1	22.6	24.0	28.7	31.4	31.7	32.8	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
	19.8	24.6	26.1	31.4	34.7	35.0	36.1	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
	21.4	26.7	28.6	33.9	37.2	38.0	39.1	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	24.3	30.0	32.0	36.3	42.2	43.0	44.4	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
	26.2	32.2	34.2	40.7	44.9	45.7	47.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
	26.2	32.2	34.2	40.7	44.9	45.7	47.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
	26.8	32.8	34.9	41.4	45.7	46.5	48.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
	27.3	33.3	35.3	42.4	46.6	47.4	49.3	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
	28.9	35.3	38.0	46.3	51.6	52.4	54.5	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
	33.3	40.2	43.3	52.4	58.2	59.2	61.2	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
	41.9	50.4	53.7	63.7	70.5	71.4	73.5	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
	46.5	56.0	59.8	71.0	78.3	79.3	81.6	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
	49.9	60.8	64.8	76.5	84.0	85.1	87.4	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
	50.4	61.5	65.6	77.6	85.1	86.2	88.7	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	51.3	63.3	67.5	79.7	87.4	88.5	91.7	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	51.8	63.7	68.3	81.0	88.9	90.0	93.4	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	51.8	63.7	68.3	81.5	89.3	90.4	94.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	51.8	63.7	68.3	81.5	89.3	90.4	94.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.6	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.5
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.7	99.2	99.5	99.5	99.5	99.5	99.7	99.7	99.7
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.7	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.7	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.7	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.7	99.4	99.7	99.7	99.7	99.7	99.8	100.0	100.0
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.7	99.4	99.7	99.7	99.7	99.7	99.8	100.0	100.0
	51.8	63.7	68.3	81.5	89.6	90.7	94.7	98.7	99.4	99.7	99.7	99.7	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 637

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16265 BAD KREUZNACH DL 74-82 MAR
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15.0-17.00 HRS

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GE10	≥6 GE60	≥5 GE50	≥4 GE40	≥3 GE30	≥2 GE20	≥1½ GE15	≥1 GE10	¾ GE07	½ GE05	¼ GE02	0 GE00
22000+	16.5	22.3	23.7	26.7	28.9	29.1	29.2	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
22000	21.0	28.9	30.5	35.2	37.6	38.0	38.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
18000+	21.0	28.9	30.5	35.2	37.6	38.0	38.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
18000	21.0	28.9	30.5	35.2	37.6	38.0	38.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
14000+	21.2	29.1	30.7	35.5	38.0	38.4	38.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
14000	21.8	30.0	31.7	36.5	38.9	39.4	39.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
10000+	23.1	31.6	33.4	38.9	41.4	41.8	42.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
10000	25.0	34.2	36.0	41.5	43.9	44.6	45.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
9000+	27.9	38.1	40.1	46.0	48.5	49.1	50.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
9000	30.4	40.5	42.5	48.8	51.2	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
8000+	30.4	40.5	42.5	48.8	51.2	52.3	53.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
8000	31.2	41.5	43.5	49.8	52.2	53.3	54.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
7000+	31.5	42.0	43.9	50.4	52.8	54.0	55.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
7000	33.9	45.1	47.0	54.3	57.5	58.6	59.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
6000+	36.5	48.6	50.6	59.0	62.4	63.5	64.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
6000	44.6	59.0	61.1	72.0	74.2	75.3	76.6	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4
5000+	49.3	65.3	67.9	78.4	82.7	83.8	85.8	87.6	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0
5000	52.0	68.8	71.9	82.6	87.4	88.5	90.8	92.7	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
4500+	52.5	69.5	72.5	83.2	88.2	89.3	91.8	93.7	93.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2
4500	53.8	71.4	75.3	86.1	91.1	92.2	94.8	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
4000+	54.0	71.6	75.4	86.3	91.4	92.6	95.3	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
4000	54.0	71.6	75.4	86.4	91.8	92.9	95.6	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3500+	54.0	71.6	75.4	86.4	91.8	92.9	95.6	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3500	54.0	71.6	75.4	86.4	91.8	92.9	95.6	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3000+	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
3000	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2500+	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2500	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
2000+	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
2000	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
1500+	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
1500	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
1000+	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
1000	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
0+	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0
0	54.0	71.6	75.4	86.4	91.9	93.1	95.8	98.9	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 619

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

10625 BAD KREUZNACH DE 74-87 APR 2600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY STATUTE MILES (OR HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0			
	GE10	GE6	GE5	GE4	GE3	GE2½	GE2	GE1½	GE1	GE¾	GE½	GE¼	GE0			
≥12000	12.0	21.6	26.9	33.7	36.8	37.0	39.9	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.3
8000	13.9	25.5	31.0	38.7	41.8	42.1	45.7	46.9	46.9	47.4	47.4	47.4	47.4	47.4	47.4	47.6
6000	14.7	26.4	32.0	39.7	42.8	43.0	46.6	48.1	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.8
5000	14.7	26.4	32.0	39.7	42.8	43.0	46.6	48.1	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.8
4500	14.7	26.4	32.0	39.9	43.0	43.3	46.9	48.3	48.3	48.8	48.8	48.8	48.8	48.8	48.8	49.0
4000	14.7	26.4	32.2	40.9	44.0	44.2	47.8	49.3	49.3	49.8	49.8	49.8	49.8	49.8	49.8	50.0
3500	15.4	28.4	34.9	43.8	46.9	47.1	51.0	52.4	52.4	52.9	52.9	52.9	52.9	52.9	52.9	53.1
3000	16.3	29.8	36.3	46.4	49.5	49.8	54.1	55.5	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.3
2500	20.0	35.1	42.1	52.4	56.3	56.5	61.1	62.7	62.7	63.5	63.5	63.5	63.5	63.5	63.5	63.7
2000	20.4	36.1	43.3	53.8	58.4	58.7	63.2	64.9	64.9	65.9	66.1	66.1	66.1	66.1	66.1	66.3
1800	20.4	36.1	43.3	53.8	58.4	58.7	63.2	64.9	64.9	65.9	66.1	66.1	66.1	66.1	66.1	66.3
1500	20.7	37.3	44.7	55.3	59.9	60.1	64.9	66.6	66.6	67.5	67.8	67.8	67.8	67.8	67.8	68.0
1400	21.4	38.2	45.7	56.5	61.1	61.3	66.1	67.8	67.8	68.8	69.0	69.0	69.0	69.0	69.0	69.2
1200	23.6	41.6	49.3	60.8	65.9	66.1	70.9	72.6	72.6	73.6	73.8	73.8	73.8	73.8	73.8	74.0
1000	25.2	43.8	51.4	63.7	69.0	69.2	74.5	76.2	76.2	77.2	77.4	77.4	77.4	77.4	77.4	77.6
900	29.3	48.6	57.0	71.2	77.9	78.1	83.4	85.6	85.8	87.0	87.3	87.3	87.3	87.3	87.3	87.5
800	30.3	50.2	58.9	73.8	80.5	80.8	86.1	88.2	88.5	89.7	89.9	89.9	89.9	89.9	89.9	90.1
700	31.3	52.2	61.8	77.9	84.9	85.1	90.4	92.8	93.3	94.5	94.7	94.7	94.7	94.7	94.7	95.0
600	31.3	52.2	61.8	78.1	85.1	85.3	90.6	93.0	93.5	94.7	95.0	95.0	95.0	95.0	95.0	95.2
500	32.2	53.4	63.5	80.3	87.3	87.5	92.8	95.9	96.4	97.8	98.1	98.1	98.1	98.1	98.1	98.3
400	32.2	53.4	63.5	80.3	87.3	87.5	92.8	95.9	96.6	98.1	98.3	98.3	98.3	98.3	98.3	98.6
300	32.2	53.4	63.5	80.3	87.3	87.5	92.8	95.9	96.6	98.1	98.3	98.3	98.3	98.3	98.3	98.6
200	32.2	53.4	63.5	80.3	87.3	87.5	92.8	95.9	96.6	98.1	98.3	98.3	98.3	98.3	98.3	98.6
150	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.4	97.1	98.6	98.8	98.8	98.8	98.8	98.8	99.0
100	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.6	97.4	98.8	99.0	99.3	99.3	99.3	99.3	99.5
70	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.6	97.4	98.8	99.0	99.3	99.3	99.3	99.3	99.5
50	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.6	97.4	98.8	99.0	99.3	99.3	99.3	99.3	99.5
30	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.6	97.4	98.8	99.0	99.3	99.3	99.8	99.8	100.0
20	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.6	97.4	98.8	99.0	99.3	99.3	99.8	99.8	100.0
10	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.6	97.4	98.8	99.0	99.3	99.3	99.8	99.8	100.0
0	32.2	53.4	63.5	80.3	87.3	87.5	92.8	96.6	97.4	98.8	99.0	99.3	99.3	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 936

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

16265 BAD KREUZNACH DL 74-83 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 0900-1100

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 GE9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2 GE4.0	≥1½ GE3.2	≥1 GE2.4	≥¾ GE2.0	≥½ GE1.6	≥¼ GE1.2	≥⅛ GE1.0	≥0 GE0.8	≥0 GE0.5	≥0 GE0.4	≥0 GE0.0
	16.1	24.9	28.3	34.8	37.7	38.0	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
	20.5	32.7	36.3	43.5	47.2	47.5	50.2	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
	21.0	33.2	36.8	44.0	47.7	48.0	50.7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
	21.0	33.2	36.8	44.0	47.7	48.0	50.7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
	21.0	33.4	36.9	44.1	47.8	48.2	50.9	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
	21.3	33.9	37.4	44.6	48.3	48.6	51.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
	22.2	35.2	38.7	46.1	50.2	50.6	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
	22.3	36.0	39.8	47.5	51.7	52.0	54.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
	26.0	40.6	44.8	52.6	57.1	57.5	60.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
	26.3	41.9	46.2	54.9	60.0	60.4	63.6	64.7	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2
	26.3	41.9	46.2	55.4	60.5	60.8	64.0	65.2	65.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	27.1	42.9	47.4	56.8	62.4	62.8	66.0	67.1	67.1	67.6	67.6	67.6	67.6	67.6	67.6	67.6
	28.1	43.8	48.5	57.9	63.6	63.9	67.1	68.2	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	31.9	46.5	53.5	62.9	68.5	68.9	72.1	73.2	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7
	35.3	52.2	57.3	67.1	73.4	73.7	77.2	78.3	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8
	39.5	57.1	62.4	74.2	80.9	81.2	85.1	86.5	86.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0
	40.9	59.6	64.8	77.2	83.9	84.3	88.1	89.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	43.8	63.1	68.7	82.3	89.9	90.2	94.1	95.5	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	44.1	63.4	69.0	82.7	90.2	90.5	94.4	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	45.3	65.0	70.6	84.4	92.0	92.3	96.6	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	45.3	65.0	70.6	84.4	92.0	92.3	96.6	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	45.3	65.0	70.6	84.4	92.3	92.6	97.1	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 623

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

16265 BAD KREUZNACH DL 74-87 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥5/16	≥¼	≥0
	GT9	GE9	GE8	GE6	GE4	GE4	GE3	GE2	GE2	GE1	GE1	GE1	GE1	GE0	GE0	GE0
NO CEILING	23.5	31.7	33.1	37.2	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
20000	29.8	39.7	41.5	46.6	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	29.8	39.7	41.5	46.6	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
17000	29.8	39.7	41.5	46.6	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 14000	29.8	39.7	41.5	46.6	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 12000	30.1	40.0	41.8	46.9	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	31.4	41.3	43.1	48.3	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 9000	31.9	42.1	44.1	49.6	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	34.5	45.0	46.9	52.6	56.5	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	36.0	46.9	49.4	55.0	59.0	59.5	59.7	60.2	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	36.2	47.3	49.8	55.4	59.3	59.8	60.0	60.5	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	36.7	47.9	50.4	56.0	60.2	60.7	60.8	61.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 4500	37.7	49.1	51.6	57.2	61.3	61.8	62.0	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4000	40.6	53.2	55.7	61.5	65.8	66.3	66.4	66.9	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	45.3	58.7	61.3	67.8	72.1	72.6	72.7	73.2	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000	52.6	68.3	71.1	79.7	84.3	84.8	85.0	85.5	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500	55.7	72.1	74.9	83.8	88.4	88.9	89.1	89.6	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	60.7	78.2	81.5	90.6	95.5	96.0	96.4	96.9	96.9	97.4	97.4	97.8	97.4	97.4	97.8	97.8
≥ 1800	60.8	78.3	81.7	90.7	95.7	96.2	96.5	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	61.7	79.7	83.0	92.6	97.5	98.0	98.3	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	61.7	79.8	83.1	92.7	97.7	98.2	98.5	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	61.7	79.8	83.1	92.9	98.0	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 605

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 6265 BAD KREUZNACH DL 74-83 APR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1510-1700
GMT

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ9	≥5 GE8	≥4 GE6	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	¾ GE12	½ GE10	⅜ GE08	¼ GE05	⅛ GE04	0 GE0
UNL	28.4	38.7	38.7	40.4	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
25000	37.2	49.2	49.2	51.5	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
20000	37.8	49.8	49.8	52.1	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
18000	37.8	49.8	49.8	52.1	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
14000	38.0	50.4	50.4	52.6	54.5	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
12000	38.5	51.3	51.3	53.9	55.8	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
10000	39.5	53.6	53.6	56.4	58.3	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
9000	41.2	55.8	55.8	58.8	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
8000	43.8	58.8	59.6	62.8	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
7000	46.1	61.3	62.6	66.2	68.2	68.2	68.2	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
6000	46.1	61.3	62.6	66.2	68.2	68.2	68.2	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
5000	46.6	61.8	63.2	66.7	68.8	68.8	68.8	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
4500	47.2	62.6	63.9	67.5	69.9	69.9	69.9	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
4000	49.1	65.2	66.7	70.7	73.1	73.1	73.1	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
3500	53.6	70.9	72.6	77.1	79.5	79.5	79.5	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
3000	59.8	78.0	79.9	84.6	87.2	87.2	87.2	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2500	62.2	81.6	83.5	89.3	91.9	91.9	91.9	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2000	64.5	84.6	86.7	92.7	95.3	95.3	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
1800	65.0	85.2	87.2	93.2	95.9	95.9	96.2	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1500	65.8	86.1	88.2	95.1	97.7	97.7	98.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1200	66.2	86.5	88.5	95.5	98.1	98.1	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1000	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
500	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
400	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
300	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
200	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
100	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0
0	66.5	86.8	89.1	96.1	98.7	98.7	99.1	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 532

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

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800 (GMT)

CEILING (FEET)	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	≥7 GT9.0	≥6 GE9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1¾ GE2.4	≥1½ GE2.0	≥1¼ GE1.6	≥1 GE1.2	¾ GE1.0	½ GE0.8	⅜ GE0.5	¼ GE0.4	<¼ GE0
22000+	19.8	26.2	30.2	35.1	37.6	37.6	38.4	39.1	39.1	39.1	39.1	39.1	39.1	39.4	39.4	39.4
22000	22.5	31.7	36.9	43.8	46.3	46.3	47.0	48.0	48.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5
18000	22.5	31.7	36.9	43.8	46.3	46.3	47.0	48.0	48.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5
17000	22.5	31.7	36.9	43.8	46.3	46.3	47.0	48.0	48.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5
14000	22.5	32.2	37.4	44.3	46.8	46.8	47.5	48.5	48.8	48.8	48.8	48.8	48.8	49.0	49.0	49.0
12000	23.5	33.2	38.4	46.0	48.5	48.5	49.3	50.2	50.5	50.5	50.5	50.5	50.5	50.7	50.7	50.7
10000	24.8	34.9	40.3	48.5	51.0	51.0	51.7	52.7	53.2	53.2	53.2	53.2	53.2	53.5	53.5	53.5
9000	26.5	38.1	44.6	54.0	56.4	56.4	57.2	58.2	58.7	58.7	58.7	58.7	58.7	58.9	58.9	58.9
8000	28.5	41.6	49.3	59.4	62.1	62.1	62.9	63.9	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.6
7000	29.5	44.1	52.7	63.1	65.8	65.8	66.6	67.6	68.1	68.1	68.1	68.1	68.1	68.3	68.3	68.3
6000	29.5	44.1	52.7	63.1	65.8	65.8	66.6	67.6	68.1	68.3	68.3	68.3	68.3	68.6	68.6	68.6
5000	30.2	45.5	54.5	66.1	68.8	68.8	69.6	70.5	71.0	71.3	71.3	71.3	71.3	71.5	71.5	71.5
4500	30.7	46.3	55.9	68.3	71.0	71.0	71.8	72.8	73.3	73.5	73.5	73.5	73.5	73.8	73.8	73.8
4000	31.7	47.5	57.2	70.8	73.5	73.5	74.3	75.2	75.7	76.0	76.0	76.0	76.0	76.2	76.2	76.2
3500	34.4	51.7	61.4	75.5	78.5	78.5	79.2	80.2	80.7	81.2	81.2	81.2	81.2	81.4	81.4	81.4
3000	37.1	54.7	64.9	79.5	82.7	82.7	83.4	84.7	85.1	85.6	85.6	85.6	85.6	85.9	85.9	85.9
2500	37.4	55.4	65.8	80.9	84.7	84.9	86.1	87.9	88.4	88.9	88.9	88.9	88.9	89.1	89.1	89.1
2000	39.4	57.9	69.1	85.1	88.9	89.1	90.6	92.8	93.3	94.3	94.3	94.3	94.3	94.6	94.6	94.6
1800	39.4	57.9	69.1	85.1	88.9	89.1	90.8	93.1	93.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8
1600	39.4	58.2	69.6	86.1	90.1	90.3	92.1	94.3	94.8	95.8	95.8	95.8	95.8	96.0	96.0	96.0
1400	39.4	58.7	70.0	86.9	90.8	91.6	93.3	95.5	96.0	97.0	97.0	97.0	97.0	97.5	97.5	97.5
1200	39.6	59.2	70.5	87.6	91.6	92.3	94.1	96.5	97.0	98.3	98.3	98.5	98.5	99.0	99.0	99.0
1000	39.6	59.2	70.5	87.6	91.6	92.3	94.1	96.5	97.0	98.3	98.3	98.5	98.5	99.0	99.0	99.0
900	39.6	59.2	70.5	87.6	91.6	92.3	94.1	96.5	97.0	98.5	98.5	98.8	98.8	99.3	99.3	99.3
800	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.0	99.5	99.5	99.5
700	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0
600	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0
500	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0
400	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0
300	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0
200	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0
100	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0
0	39.6	59.4	70.8	87.9	91.8	92.6	94.3	96.8	97.3	98.8	98.8	99.0	99.3	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 404

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

16265 (STATION) BAD KREUZNACH DL (STATION NAME) 74-83 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS)

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.7	≥6 GE9.0	≥5 GE8.0	≥4 GE6.4	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1¾ GE2.4	≥1½ GE2.0	≥1 GE1.6	≥¾ GE1.2	≥½ GE1.0	≥¼ GE0.8	≥⅛ GE0.5	≥0 GE0.4	0 GE0
UNL	20.8	28.1	30.2	35.3	37.5	37.5	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 20000	23.8	32.2	35.1	42.1	44.4	44.4	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 18000	24.1	32.5	35.5	42.4	44.7	44.7	45.0	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 16000	24.3	32.7	35.6	42.6	44.9	44.9	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 14000	24.3	32.7	35.6	42.6	44.9	44.9	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 12000	24.4	33.2	36.1	44.2	46.5	46.5	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 10000	25.4	34.8	38.1	47.0	49.3	49.3	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 9000	27.6	38.4	41.7	50.7	53.0	53.0	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000	30.4	42.9	46.7	56.1	58.6	58.7	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	31.2	44.1	48.2	57.6	60.1	60.2	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 6000	31.2	44.4	48.7	58.1	60.6	60.7	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 5000	32.7	46.2	50.7	60.4	62.9	63.0	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4500	33.2	47.4	52.3	62.7	65.2	65.3	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	35.6	50.2	55.8	66.5	69.0	69.1	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3500	39.1	55.8	61.4	72.4	75.6	75.7	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3000	45.2	62.5	68.3	79.9	83.2	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	47.2	64.9	70.6	82.3	86.0	86.1	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	50.2	68.0	73.9	87.1	90.9	91.1	91.7	92.1	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1800	50.2	68.0	73.9	87.1	91.1	91.3	91.9	92.2	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1700	50.8	70.0	76.1	89.3	93.2	93.4	94.2	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1600	51.3	70.6	76.7	89.9	94.4	94.6	95.7	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1400	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.5	98.5	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1300	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.7	98.7	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1100	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	51.5	71.3	77.7	91.1	95.7	96.0	97.4	98.8	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 606

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

16265 BAD KREUZNACH DL 74-83 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

12-2-1400

VISIBILITY STATUTE MILES
OR (HUNDREDS OF METERS)

CEILING FEET OR (METERS)	GT9	GE9	GE8	GE7	GE5	GE4	GE3	GE2½	GE2	GE1½	GE1	GE¾	GE½	GE¼	GE0
UNL	27.6	34.4	34.8	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
(UNL)	32.4	41.1	41.6	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
20000	33.2	42.1	42.6	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
(6000)	33.2	42.1	42.6	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
15000	33.2	42.1	42.8	45.5	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
(4500)	33.7	43.2	43.8	47.1	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
12000	34.9	45.0	45.7	49.0	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
(3500)	37.5	48.1	48.8	52.2	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
10000	39.6	51.7	52.6	56.2	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
(3000)	42.0	54.6	55.7	59.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
9000	42.5	55.3	56.3	60.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
(2500)	43.8	57.9	58.9	62.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
8000	45.4	59.9	61.0	64.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
(2400)	48.1	63.2	65.1	69.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
7000	52.4	69.2	71.2	76.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
(2100)	62.2	79.5	81.8	87.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
6000	64.4	81.8	84.2	89.4	90.6	90.6	90.6	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.1
(1800)	67.3	85.3	87.7	93.3	94.7	94.7	94.9	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4
5000	67.3	85.4	87.8	93.5	94.9	94.9	95.0	95.0	95.0	95.5	95.5	95.5	95.5	95.5	95.5
(1500)	68.5	87.5	89.9	95.7	97.1	97.1	97.3	97.3	97.3	97.8	97.8	97.8	97.8	97.8	97.8
4000	69.2	88.5	90.9	96.9	98.3	98.3	98.5	98.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0
(1200)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
3500	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
(1000)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
3000	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
(900)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
2500	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
(800)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
2000	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
(600)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
1500	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
(500)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
1000	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
(300)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
500	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0
(150)	69.2	88.7	91.4	97.4	99.1	99.1	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 584

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

16265 BAD KREUZNACH DL 74-83 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

STATUTE MILES OR (HUNDREDS OF METERS)

CEILING	≥10 (≥16)	≥6 (≥9.5)	≥5 (≥8)	≥4 (≥6.5)	≥3½ (≥5.5)	≥3 (≥4.8)	≥2½ (≥4)	≥2 (≥3.2)	≥1¾ (≥2.8)	≥1½ (≥2.4)	≥1¼ (≥2)	≥1 (≥1.6)	≥¾ (≥1.2)	≥½ (≥0.8)	≥¼ (≥0.4)	<¼ (<0.4)
CLR	34.7	38.8	38.8	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥22000 (≥6700)	42.1	48.3	48.3	48.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥15000 (≥4600)	42.9	49.1	49.1	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥10000 (≥3100)	42.9	49.1	49.1	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥7000 (≥2100)	43.3	49.5	49.5	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥5000 (≥1500)	44.4	51.1	51.1	52.2	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥3500 (≥1000)	47.4	54.2	54.2	55.4	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥2500 (≥800)	48.7	55.9	55.9	57.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥1800 (≥600)	51.7	59.8	60.2	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥1500 (≥500)	54.6	63.2	63.7	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥1000 (≥300)	54.6	63.4	64.1	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥700 (≥200)	55.6	65.1	65.9	67.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥500 (≥150)	57.3	67.3	68.0	70.0	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥400 (≥125)	59.5	71.7	73.1	75.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥300 (≥100)	63.0	76.0	77.8	80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥200 (≥60)	71.2	85.6	87.3	90.4	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥150 (≥45)	73.1	87.7	89.7	93.2	93.8	93.8	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥100 (≥30)	74.7	89.5	91.6	95.1	96.1	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥70 (≥20)	74.7	89.5	91.6	95.1	96.1	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥50 (≥15)	75.4	90.4	92.8	96.7	97.7	97.7	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥30 (≥10)	75.8	91.2	93.6	97.5	98.4	98.4	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥20 (≥6)	75.8	91.2	94.2	98.1	99.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥15 (≥5)	75.8	91.2	94.2	98.1	99.0	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥10 (≥3)	75.8	91.2	94.2	98.4	99.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥7 (≥2)	75.8	91.2	94.2	98.4	99.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥5 (≥1.5)	75.8	91.2	94.2	98.4	99.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥3 (≥1)	75.8	91.2	94.2	98.4	99.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2 (≥0.5)	75.8	91.2	94.2	98.4	99.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1 (≥0.3)	75.8	91.2	94.2	98.4	99.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0 (<0.3)	75.8	91.2	94.2	98.4	99.4	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 513

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

[illegible] BAD KREUZNACH, DE [illegible] 72-82 [illegible] JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING VERSUS VISIBILITY
(FEET OR HUNDREDS OF METERS)

GTY	GE22	GE18	GE16	GE12	GE10	GE8	GE7	GE5	GE4	GE3
17.2	22.8	28.4	34.8	37.7	38.2	38.7	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
19.1	26.0	31.9	39.0	42.2	42.6	43.1	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
19.6	26.5	32.4	39.5	42.6	43.1	43.6	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
19.6	26.5	32.4	39.5	42.6	43.1	43.6	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
20.6	27.5	33.3	40.7	44.1	44.6	45.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
20.8	27.9	34.1	41.4	44.9	45.3	45.8	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
21.9	29.7	36.0	44.1	47.5	48.0	48.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
22.3	31.4	37.7	46.3	50.0	50.5	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
26.5	37.0	43.9	53.4	58.3	58.8	59.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
28.4	39.2	46.3	56.4	62.2	62.7	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
28.4	39.0	46.3	56.4	62.2	62.7	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
29.2	40.2	48.0	58.8	64.5	65.2	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
29.9	41.4	49.3	60.8	66.4	67.2	67.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
31.1	43.4	52.2	64.2	69.9	70.6	71.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
34.1	47.3	56.6	68.9	75.5	76.2	77.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
40.0	54.9	65.4	78.2	86.3	87.2	87.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
42.9	58.8	69.6	82.6	90.7	91.4	92.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
43.9	60.5	71.8	85.0	93.6	94.4	95.8	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
44.1	60.8	72.1	85.3	94.1	95.3	97.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
44.4	61.2	72.3	85.5	94.4	95.6	97.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.0	99.0	99.3	99.3	99.3	99.5	99.5	99.5	99.5
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.5	99.5	99.5	99.8	99.8	100.0	100.0
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.5	99.5	99.5	99.8	99.8	100.0	100.0
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.5	99.5	99.5	99.8	99.8	100.0	100.0
44.9	61.5	72.8	86.0	94.9	96.1	97.8	99.3	99.3	99.5	99.5	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 408

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible] BAD KREUZNACH DE [illegible] 72-82 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

[illegible]-1200

CEILING (HUNDREDS OF METERS) AND VISIBILITY (STATUTE MILES)

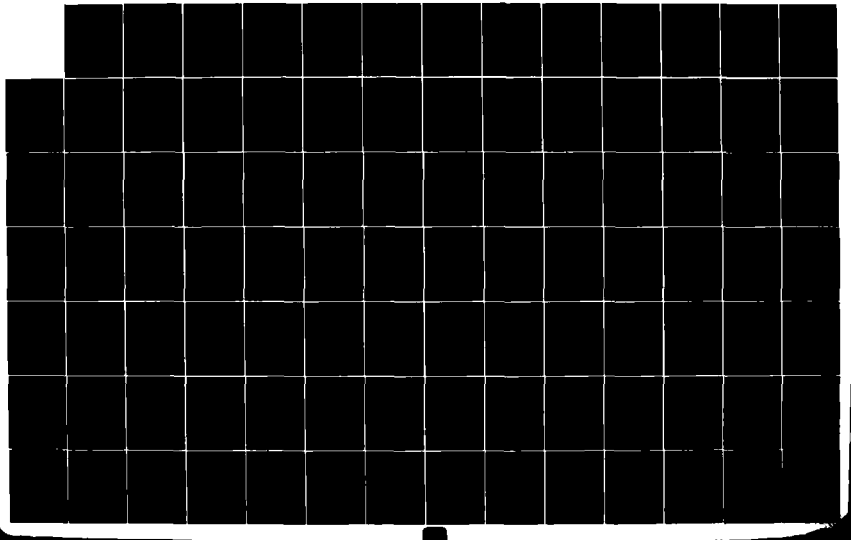
VIS	CIG 0	CIG 1	CIG 2	CIG 3	CIG 4	CIG 5	CIG 6	CIG 7	CIG 8	CIG 9	CIG 10	CIG 12	CIG 15	CIG 20	CIG 25	CIG 30	CIG 35	CIG 40	CIG 45	CIG 50	CIG 55	CIG 60	CIG 65	CIG 70	CIG 75	CIG 80	CIG 85	CIG 90	CIG 95	CIG 100	CIG 105	CIG 110	CIG 115	CIG 120
0	19.4	26.0	29.2	35.1	39.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
1	23.1	33.6	35.2	42.0	43.3	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	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	43.5
2	23.6	34.0	35.7	42.5	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
3	23.6	34.1	35.7	42.7	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
4	24.3	34.7	36.3	43.5	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
5	24.9	35.3	37.0	44.1	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
6	27.5	38.9	40.7	48.0	49.5	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
7	28.5	40.9	42.7	50.7	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
8	32.2	44.8	46.6	55.2	57.3	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
9	33.6	46.4	48.2	57.2	59.4	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
10	33.6	46.4	48.2	57.2	59.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
11	34.7	48.2	50.7	60.1	62.9	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	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
12	35.5	49.2	51.8	61.2	64.0	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
13	37.6	53.3	55.9	66.6	68.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
14	41.6	57.3	59.9	7 .8	74.3	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
15	46.7	67.4	70.2	81.1	85.3	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
16	52.4	72.0	74.9	86.0	91.2	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
17	53.9	74.4	77.4	89.3	94.8	95.8	96.1	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
18	54.2	74.8	77.7	89.6	95.1	96.1	96.4	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
19	54.4	75.1	78.3	9 .4	95.9	96.9	97.2	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
20	54.7	75.6	78.8	90.9	96.4	97.6	98.0	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
21	54.9	75.7	79.2	91.4	97.2	98.4	98.9	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
22	54.9	75.7	79.2	91.4	97.2	98.4	99.0	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
23	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
24	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
27	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
28	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
29	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30	54.9	75.7	79.2	91.4	97.2	98.4	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

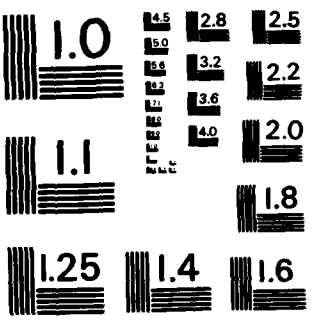
TOTAL NUMBER OF OBSERVATIONS 614

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

AD-A140 243 BAD KREUZNACH GERMANY(WEST) LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..

UNCLASSIFIED 23 JAN 84 USAFETAC/DS-84/003 F/G 4/2 NL





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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 E090	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	¾ GE12	½ GE10	⅜ GE08	≥5/16 GE05	¼ GE04	≥0 GE0
NO CEILING	22.8	29.1	29.1	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 20000	28.8	35.9	35.9	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 18000	29.1	36.3	36.3	38.5	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000	29.5	36.6	36.6	39.0	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 14000	29.8	37.1	37.1	39.7	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	31.0	38.5	38.5	41.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	32.4	40.0	40.0	42.8	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 9000	34.1	42.1	42.2	45.1	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 8000	37.6	47.7	48.2	51.6	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 7000	41.2	51.6	52.1	55.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 6000	41.4	51.8	52.3	56.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	43.6	54.2	54.7	58.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	44.3	55.7	56.2	60.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000	48.7	62.0	62.5	66.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3500	53.0	67.6	68.1	73.3	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	61.7	78.7	80.4	86.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	65.6	83.5	85.5	91.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	67.3	85.3	87.6	94.0	96.9	96.9	96.9	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	67.5	85.5	87.7	94.2	97.3	97.3	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	67.8	86.2	88.4	95.1	98.3	98.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	68.1	86.9	89.3	96.1	99.3	99.3	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	68.3	87.1	89.4	96.3	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 587

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

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 EQ9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1½ GE2.4	≥1¼ GE2.0	≥1 GE1.6	≥¾ GE1.2	≥⅝ GE1.0	≥½ GE0.8	≥5/16 GE0.5	≥¼ GE0.4	≥0 GE0
NO CEILING	25.8	34.0	34.6	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	35.3	45.5	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 18000	35.3	45.5	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 16000	35.3	45.5	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 14000	35.7	45.9	46.4	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 12000	37.2	47.4	47.9	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000	38.9	49.4	50.0	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	40.6	51.5	52.1	52.8	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 8000	44.5	56.2	57.1	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 7000	48.3	60.2	61.1	62.6	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 6000	48.5	60.3	61.3	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 5000	52.4	64.7	65.6	67.1	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500	54.5	67.5	68.4	69.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000	58.8	72.6	73.9	75.6	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3500	62.6	78.8	80.1	81.8	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	69.5	87.2	88.5	91.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 2500	72.4	91.2	92.5	95.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	74.1	93.2	94.7	97.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	74.1	93.2	94.7	97.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	74.1	93.2	94.7	98.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	74.1	93.2	94.7	98.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.1	93.2	94.7	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 532

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

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																
	≥10 GT9D	≥6 E09D	≥5 GE8D	≥4 GE6D	≥3 GE4D	≥2½ GE4D	≥2 GE3Z	≥1½ GE2Y	≥1¼ GE2C	≥1 GE16	≥¾ GE12	≥⅝ GE1D	≥½ GE08	≥5/16 GE05	≥¼ GE04	≥0 GE0
NO CEILING	12.7	20.4	24.9	32.7	35.4	36.2	37.9	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000	16.0	25.4	30.2	38.7	41.4	42.6	44.4	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 18000	16.0	25.4	30.2	38.9	41.6	42.9	44.6	45.1	45.1	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 16000	16.2	25.7	30.4	39.2	41.9	43.1	44.9	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	16.7	26.2	30.9	39.7	42.4	43.6	45.4	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 12000	18.2	28.2	32.9	41.6	44.9	45.6	47.4	47.9	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 10000	21.4	33.2	38.4	47.4	50.4	51.6	53.6	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 9000	22.9	35.2	40.4	49.9	52.9	54.1	56.4	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	25.2	39.7	45.6	55.6	59.1	60.6	62.8	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	26.2	41.1	47.4	57.6	61.3	62.8	65.1	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	26.2	41.1	47.4	57.6	61.3	62.8	65.1	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	27.4	42.9	49.1	59.9	63.8	65.3	67.8	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4500	29.4	44.9	51.1	62.6	66.6	68.1	70.6	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	32.7	50.1	57.6	69.8	74.1	75.6	78.1	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3500	35.2	53.1	60.6	74.1	78.8	80.3	83.0	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3000	36.7	55.4	64.1	79.1	83.8	85.3	88.5	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	37.9	57.9	67.1	83.3	88.5	90.0	93.3	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	39.4	59.4	69.1	85.3	90.5	92.5	96.0	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	40.1	60.1	69.8	86.0	91.3	93.3	96.8	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	40.6	60.8	70.6	86.8	92.3	94.3	97.8	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	40.6	60.8	70.6	86.8	92.3	94.3	97.8	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	40.6	61.3	71.1	87.3	92.8	94.8	98.3	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 500	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 400	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 300	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 200	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 100	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	40.9	61.8	71.6	87.8	93.3	95.3	98.8	99.5	99.5	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 801

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

10626 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1¾ GE24	≥1½ GE20	≥1 GE16	≥⅞ GE12	≥¾ GE10	≥⅝ GE08	≥½ GE05	≥¼ GE04	≥0 GE0
NO CEILING	17.7	26.1	27.2	33.3	35.6	35.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	20.3	30.5	32.0	38.4	41.7	41.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	20.3	30.5	32.0	38.8	42.1	42.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 16000	20.3	30.5	32.0	38.8	42.1	42.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 14000	20.3	30.5	32.3	39.1	42.4	42.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 12000	20.8	32.0	33.8	40.8	44.1	44.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	24.6	37.0	39.1	46.4	49.7	49.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	26.4	39.3	41.6	48.8	52.1	52.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 8000	30.2	44.6	47.0	55.3	58.9	59.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000	31.8	45.9	48.3	57.1	61.1	61.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000	31.4	45.9	48.3	57.1	61.1	61.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 5000	32.5	47.5	50.2	59.1	63.2	63.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 4500	34.7	50.2	52.8	62.2	66.3	66.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4000	40.9	57.6	60.6	70.5	74.9	75.1	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	43.4	60.7	64.0	74.1	78.9	79.0	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	48.7	66.8	70.5	80.7	85.6	85.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 2500	51.3	70.5	74.3	85.5	91.4	91.6	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2000	53.0	72.8	76.9	88.1	94.2	94.4	96.0	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 1800	53.5	73.8	78.1	89.3	95.4	95.5	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1500	53.8	74.3	78.7	90.1	96.2	96.4	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	54.0	74.4	78.9	90.4	96.7	96.9	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	54.1	74.6	79.0	90.6	96.9	97.0	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	54.3	74.8	79.2	90.8	97.0	97.2	99.0	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 604

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

10626S (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS L.T.)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)																
	≥10 GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1¾ GE28	≥1½ GE24	≥1¼ GE20	≥1 GE16	≥¾ GE12	≥⅝ GE10	≥½ GE08	≥⅜ 16 GE05	≥¼ GE04	≥0 GE0
NO CEILING	20.6	28.7	29.4	31.9	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	25.5	34.2	34.9	38.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 18000	25.7	34.4	35.1	38.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000	25.7	34.4	35.1	38.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000	25.8	34.6	35.2	38.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 12000	26.5	35.4	36.1	39.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	29.7	38.9	39.6	43.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 9000	31.9	41.4	42.1	46.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 8000	36.2	46.3	47.0	51.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 7000	38.1	48.7	49.5	53.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	38.1	49.0	49.8	54.0	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 5000	40.1	51.3	52.2	56.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 4500	43.6	55.7	56.5	60.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000	50.7	64.6	65.4	70.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	55.7	70.6	71.5	76.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	63.3	78.5	79.5	84.9	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	68.0	84.1	85.2	90.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 2000	68.3	84.6	85.7	91.6	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	68.6	85.6	86.7	92.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	69.3	86.9	88.1	94.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	69.3	86.9	88.1	94.3	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	69.8	87.6	88.8	95.0	99.3	99.3	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 596

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

106265 (STATION) BAD KREUZNACH DI (STATION NAME) 73-82 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~1530-1700~~ (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 E090	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	≥¾ GE12	≥⅝ GE10	≥½ GE08	≥5/16 GE05	≥¼ GE04	≥0 GE0
NO CEILING	24.6	34.3	34.8	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	28.5	39.8	40.6	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	29.1	40.6	41.3	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 16000	29.3	40.7	41.5	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	29.3	40.7	41.5	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000	30.7	42.6	43.3	44.8	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	35.4	48.0	48.7	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 9000	38.3	51.5	52.2	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 8000	43.0	56.5	57.2	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	46.1	60.0	60.7	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 6000	46.1	60.0	60.7	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	51.3	65.6	66.3	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	55.0	69.6	70.4	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4000	61.7	77.8	78.7	80.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	64.3	80.9	81.9	84.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	69.6	87.6	88.7	91.7	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500	71.9	90.6	91.7	94.6	96.1	96.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	72.8	91.5	92.8	96.1	97.6	97.6	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	72.8	91.9	93.1	96.5	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500	73.0	92.2	93.5	96.9	98.7	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	73.0	92.2	93.7	97.0	99.3	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	73.0	92.4	94.1	97.4	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.0	92.4	94.1	97.4	99.6	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 580

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

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 E09.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1¾ GE2.4	≥1½ GE2.0	≥1 GE1.6	≥¾ GE1.2	≥½ GE1.0	≥⅜ GE0.8	≥5/16 GE0.5	≥¼ GE0.4	≥0 GE0
NO CEILING	18.9	27.8	32.3	39.0	43.3	43.5	45.2	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 20000	21.1	30.6	36.1	43.5	48.1	48.6	50.2	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	21.5	31.1	36.6	44.5	49.0	49.5	51.2	51.9	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	21.5	31.1	36.8	44.7	49.3	49.8	51.4	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	21.5	31.1	36.8	45.2	49.8	50.2	51.9	52.6	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000	22.7	33.0	38.8	47.4	51.9	52.4	54.1	54.8	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	25.6	36.4	42.3	51.4	56.5	57.2	58.9	59.8	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 9000	25.8	36.6	42.6	51.7	56.7	57.7	59.3	60.3	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	28.5	40.2	47.6	58.1	64.1	65.3	67.5	68.9	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	29.7	41.6	49.3	60.0	66.3	67.5	69.6	71.3	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	29.7	41.6	49.3	60.0	66.5	67.7	69.9	71.5	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	30.9	43.3	51.0	62.0	68.7	69.9	72.0	73.7	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	32.1	44.5	52.4	63.9	71.3	72.5	74.6	76.3	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	33.5	46.2	54.1	65.8	74.2	75.8	78.2	79.9	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 3500	34.7	48.1	56.0	68.2	77.0	78.7	81.1	82.8	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	36.8	51.7	60.0	73.2	84.0	85.9	88.3	90.0	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.4
≥ 2500	36.8	52.9	61.5	74.6	85.4	87.3	89.7	91.4	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.8
≥ 2000	37.3	53.3	62.2	75.6	86.4	88.3	91.1	93.3	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.7
≥ 1800	37.3	53.3	62.2	75.8	86.6	88.5	91.4	94.0	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.5
≥ 1500	37.3	53.3	62.7	76.3	87.3	89.5	92.8	95.5	96.2	96.9	96.9	96.9	96.9	96.9	96.9	97.1
≥ 1200	37.3	53.3	62.7	76.3	87.3	89.5	92.8	95.5	96.2	96.9	96.9	96.9	96.9	96.9	96.9	97.1
≥ 1000	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.7	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.6
≥ 900	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.7	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.6
≥ 800	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.7	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.6
≥ 700	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.7	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.6
≥ 600	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.7	97.6	98.3	98.3	98.3	98.3	98.3	98.3	99.0
≥ 500	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.9	97.8	99.0	99.0	99.0	99.0	99.0	99.0	99.8
≥ 400	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.9	97.8	99.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 300	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.9	97.8	99.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 200	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.9	97.8	99.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 100	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.9	97.8	99.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 0	37.3	53.3	62.7	76.8	87.8	90.0	93.8	96.9	97.8	99.0	99.0	99.0	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 818

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

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 E090	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	≥¾ GE12	≥½ GE10	≥⅜ GE08	≥5/16 GE05	≥¼ GE04	≥0 GE0
NO CEILING	20.3	29.3	32.7	39.9	42.1	43.1	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	22.2	32.9	36.5	44.8	47.8	48.8	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 18000	22.2	32.9	36.5	45.0	48.0	49.0	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 16000	22.2	32.9	36.5	45.0	48.0	49.0	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 14000	22.5	33.5	37.2	45.6	48.6	49.6	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000	23.9	35.2	38.9	47.5	50.6	51.5	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 10000	27.8	39.9	44.0	53.0	56.0	56.9	58.5	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	29.2	41.9	46.4	55.8	59.0	60.0	61.6	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	31.9	46.3	51.0	61.6	65.6	66.5	68.3	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	32.7	47.0	51.8	62.5	66.8	67.8	69.7	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	32.7	47.0	51.8	62.5	66.8	67.8	69.9	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	33.0	48.0	52.8	64.0	68.6	69.5	71.6	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4500	33.5	48.6	53.7	65.2	70.5	71.5	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	35.1	50.7	56.0	67.8	73.5	74.5	77.4	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3500	37.6	53.7	59.2	71.3	77.0	78.0	81.0	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3000	41.9	59.3	64.8	78.5	84.4	85.3	88.7	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 2500	43.7	61.2	66.7	80.4	86.3	87.2	90.6	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000	44.5	62.4	68.3	82.6	89.3	90.3	93.6	94.4	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	44.5	62.5	68.4	83.1	90.0	90.9	94.3	95.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	44.8	63.3	69.4	84.5	92.0	93.0	96.5	97.4	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	44.8	63.3	69.4	84.7	92.3	93.3	97.0	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	44.8	63.5	69.5	84.8	92.5	93.5	97.1	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	44.8	63.5	69.5	84.8	92.5	93.5	97.3	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	44.8	63.5	69.5	85.0	92.7	93.6	97.4	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	44.8	63.5	69.5	85.2	92.8	93.8	97.6	98.9	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	44.8	63.5	69.5	85.2	92.8	93.8	97.6	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	44.8	63.5	69.5	85.2	92.8	93.8	97.6	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	44.8	63.5	69.5	85.2	92.8	93.8	97.6	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	44.8	63.5	69.5	85.2	92.8	93.8	97.6	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	44.8	63.5	69.5	85.2	92.8	93.8	97.6	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	44.8	63.5	69.5	85.2	92.8	93.8	97.6	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	44.8	63.5	69.5	85.2	92.8	93.8	97.6	99.2	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10265 (STATION) BAD KREUZNACH AB (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (GMT)

CEILING (HUNDREDS OF FEET)	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	≥10 GT9	≥6 EQ9	≥5 GE8	≥4 GE6	≥3 GE4	≥2½ GE4	≥2 GE3	≥1½ GE2	≥1¼ GE2	≥1 GE1	≥¾ GE1	≥½ GE1	≥¼ GE0	≥0 GE0		
	24.8	34.2	35.5	39.5	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
20000	30.2	41.5	42.8	48.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
10000	30.4	41.7	43.0	48.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
5000	30.4	41.7	43.0	48.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
4500	30.6	41.8	43.1	48.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
4000	31.4	42.8	44.1	49.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
3500	34.2	45.8	47.1	53.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
3000	35.8	47.9	49.2	56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
2500	40.0	53.1	54.4	62.7	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
2000	41.7	54.7	56.0	64.4	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
1800	41.8	54.9	56.2	64.5	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
1500	44.4	58.8	60.1	68.6	70.3	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
1400	45.3	60.0	61.4	70.1	71.7	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
1200	49.0	64.7	66.2	75.0	77.3	77.3	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1000	51.6	68.8	70.3	80.2	82.5	82.5	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
900	57.7	76.5	77.9	89.7	92.5	92.5	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
800	59.3	78.3	79.7	91.5	94.6	94.6	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
700	60.0	79.9	81.9	93.8	97.5	97.5	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	60.0	79.9	81.9	93.8	97.5	97.5	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	60.0	80.2	82.2	94.3	98.2	98.2	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	60.0	80.2	82.2	94.3	98.2	98.2	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
200	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
100	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
0	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
	60.1	80.4	82.4	94.4	98.4	98.4	99.2	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 612

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

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOUR LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥1½ GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1¼ GE24	≥1 GE20	≥¾ GE16	≥½ GE12	≥⅜ GE10	≥¼ GE08	≥5/16 GE05	≥⅛ GE04	≥0 GE0
NO CEILING	28.3	36.9	38.0	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	34.0	45.6	46.9	51.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	34.4	46.0	47.2	51.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	34.4	46.0	47.2	51.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 14000	34.8	46.3	47.8	52.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	37.8	49.4	50.8	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 10000	39.8	52.0	53.7	58.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 9000	42.8	56.9	58.5	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	47.6	62.9	64.5	70.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	49.7	65.1	66.7	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	49.7	65.1	66.7	72.9	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	52.0	67.7	69.3	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	53.1	69.0	70.6	77.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 4000	57.6	74.3	76.3	83.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3500	59.9	77.2	79.3	86.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3000	66.7	84.8	87.3	94.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	67.4	85.7	88.2	95.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	68.1	87.5	90.4	97.7	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	68.1	87.5	90.4	97.7	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	68.1	87.5	90.4	97.9	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 561

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

16265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (GMT)

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 EQ9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1¾ GE2.4	≥1½ GE2.0	≥1 GE1.6	¾ GE1.2	½ GE1.0	⅜ GE0.8	≥5/16 GE0.5	¼ GE0.4	≥0 GE0.0
NO CEILING	11.0	15.5	18.0	29.3	32.0	32.3	36.0	36.3	36.3	37.2	37.2	37.5	37.8	38.4	38.4	38.7
≥ 20000	14.9	19.8	23.2	36.6	39.9	40.2	44.2	45.1	45.1	46.3	46.3	46.6	47.0	47.9	47.9	48.2
≥ 18000	15.2	20.1	23.5	36.9	40.2	40.5	44.5	45.4	45.4	46.6	46.6	47.0	47.3	48.2	48.2	48.5
≥ 17000	15.2	20.1	23.5	36.9	40.2	40.5	44.5	45.4	45.4	46.6	46.6	47.0	47.3	48.2	48.2	48.5
≥ 14000	15.2	20.4	24.7	38.1	41.5	41.8	45.7	46.6	46.6	47.9	47.9	48.2	48.5	49.4	49.4	49.7
≥ 12000	15.5	20.7	25.6	39.0	42.4	42.7	46.6	47.6	47.6	48.8	48.8	49.1	49.4	50.3	50.3	50.6
≥ 10000	15.9	21.6	26.5	41.2	44.5	44.8	49.1	50.0	50.0	51.2	51.2	51.5	51.8	52.7	52.7	53.0
≥ 9000	16.5	22.6	28.0	42.7	47.0	47.3	51.5	52.7	52.7	54.0	54.0	54.3	54.6	55.5	55.5	55.8
≥ 8000	18.3	25.0	30.5	46.3	50.9	51.8	56.1	57.3	57.3	58.5	58.5	58.8	59.1	60.1	60.1	60.4
≥ 7000	18.3	25.6	31.1	48.8	54.0	55.5	59.8	61.0	61.0	63.1	63.1	63.4	63.7	64.6	64.6	64.9
≥ 6000	18.3	25.6	31.1	48.8	54.0	55.5	59.8	61.0	61.0	63.1	63.1	63.4	63.7	64.6	64.6	64.9
≥ 5000	18.9	27.7	33.2	52.1	57.9	59.5	63.7	65.2	65.2	67.4	67.4	67.7	68.0	68.9	68.9	69.2
≥ 4500	19.5	28.7	34.1	53.0	58.8	60.4	64.6	66.2	66.2	68.9	68.9	69.2	69.5	70.4	70.4	70.7
≥ 4000	20.4	30.2	36.0	55.5	61.3	62.8	67.1	68.6	68.6	71.3	71.3	71.6	72.0	72.9	72.9	73.2
≥ 3500	21.0	30.8	37.2	57.3	63.1	64.9	70.1	72.3	72.3	75.0	75.0	75.3	75.6	76.5	76.5	76.8
≥ 3000	23.5	34.8	41.2	61.9	68.9	71.0	77.1	80.5	80.8	83.5	83.5	83.8	84.1	85.1	85.1	85.4
≥ 2500	25.0	37.2	43.6	64.3	71.3	73.5	80.8	84.1	84.5	87.2	87.2	87.5	87.8	88.7	88.7	89.2
≥ 2000	25.6	38.1	44.8	65.5	72.6	74.7	82.0	85.4	85.7	88.4	88.4	88.7	89.0	89.9	89.9	90.2
≥ 1800	26.8	39.3	46.0	66.8	73.8	75.9	83.2	86.6	86.9	89.6	89.6	89.9	90.2	91.2	91.2	91.5
≥ 1500	27.1	39.9	46.6	67.7	74.7	76.8	84.1	87.5	87.8	90.5	90.5	90.9	91.2	92.1	92.1	92.4
≥ 1200	27.7	40.5	47.3	68.3	75.3	77.4	84.8	88.1	88.4	91.2	91.2	91.5	91.8	92.7	92.7	93.0
≥ 1000	27.7	40.9	47.6	69.2	76.2	78.4	86.3	89.6	89.9	92.7	92.7	93.0	93.3	94.2	94.2	94.5
≥ 900	27.7	40.9	47.6	69.2	76.2	78.4	86.3	89.6	89.9	92.7	92.7	93.0	93.3	94.2	94.2	94.5
≥ 800	27.7	40.9	47.6	69.2	76.2	78.4	86.3	89.6	89.9	92.7	92.7	93.0	93.3	94.2	94.2	94.5
≥ 700	27.7	40.9	47.6	69.2	76.2	78.4	86.3	89.6	89.9	92.7	92.7	93.0	93.3	94.2	94.2	94.5
≥ 600	27.7	40.9	47.6	69.2	76.2	78.4	86.3	89.6	89.9	93.0	93.0	93.3	93.6	94.5	94.5	94.8
≥ 500	27.7	40.9	47.6	69.2	76.2	78.4	86.3	89.6	89.9	93.0	93.0	93.3	93.6	94.5	94.8	95.4
≥ 400	27.7	40.9	47.6	69.2	76.2	78.4	86.6	89.9	90.2	93.3	93.3	93.6	93.9	95.1	95.7	97.0
≥ 300	27.7	40.9	47.6	69.2	76.2	78.4	86.6	89.9	90.2	93.6	93.6	93.9	94.2	96.0	96.6	97.9
≥ 200	27.7	40.9	47.6	69.2	76.2	78.4	86.6	89.9	90.2	93.6	93.6	93.9	94.2	96.0	97.3	99.1
≥ 100	27.7	40.9	47.6	69.2	76.2	78.4	86.6	89.9	90.2	93.6	93.6	93.9	94.2	96.0	97.6	99.7
≥ 0	27.7	40.9	47.6	69.2	76.2	78.4	86.6	89.9	90.2	93.6	93.6	93.9	94.2	96.0	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 328

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

16265 (STATION) BAD KREUZNACH DE (STATION NAME) 73-82 (YEARS) SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1200

CEILING (FEET)	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 E6.9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1¾ GE2.4	≥1½ GE2.0	≥1¼ GE1.6	≥1 GE1.2	≥¾ GE1.0	≥½ GE0.8	≥⅜ GE0.5	≥¼ GE0.4	<¼ GE0
CEILING	11.7	18.6	20.0	29.1	33.5	34.3	36.6	37.8	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2
2 2000	14.9	22.4	24.0	34.3	39.2	40.0	42.2	44.2	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2 1800	14.9	22.4	24.0	34.3	39.2	40.0	42.4	44.4	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8
2 1600	14.9	22.4	24.0	34.3	39.2	40.0	42.4	44.4	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8
2 1400	15.6	23.2	25.1	35.4	40.2	41.0	43.6	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3
2 1200	17.6	25.3	27.1	37.6	42.4	43.2	45.9	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5
2 1000	19.0	27.3	29.1	41.4	47.1	47.9	50.5	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2 900	20.6	29.5	31.5	44.6	50.5	51.3	54.3	56.6	56.8	57.0	57.0	57.0	57.3	57.3	57.3	57.3
2 800	23.2	32.5	34.9	49.1	55.8	56.8	60.2	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
2 700	23.8	33.3	35.8	51.1	58.8	60.2	64.0	66.7	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2 600	23.8	33.3	35.8	51.1	58.8	60.2	64.0	66.7	66.9	67.3	67.3	67.3	67.3	67.3	67.7	67.3
2 500	24.6	34.7	37.2	53.5	61.2	62.6	66.5	69.1	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7
2 450	25.3	35.6	38.0	54.5	62.2	63.6	67.5	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7
2 400	27.9	38.4	41.4	58.8	66.9	68.3	72.5	75.4	75.6	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2 350	29.3	40.8	43.8	61.8	70.3	71.7	76.2	79.2	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2 300	31.9	44.8	48.1	66.7	75.6	77.4	83.0	87.1	87.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2 250	33.5	46.9	50.1	68.7	78.0	79.8	85.5	89.9	90.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2 200	34.7	48.1	51.3	69.9	79.2	81.0	86.9	91.3	91.5	92.5	92.5	92.5	92.7	92.9	92.9	92.9
1 950	34.9	48.7	52.1	70.7	80.0	81.8	87.9	92.3	92.5	93.5	93.5	93.5	93.7	93.9	93.9	93.9
1 900	35.8	49.7	53.1	71.7	81.0	82.8	88.9	93.3	93.5	94.5	94.5	94.5	94.7	94.9	94.9	94.9
1 850	36.4	50.7	54.1	72.7	82.0	83.8	90.1	94.5	94.7	95.8	95.8	95.8	96.0	96.2	96.2	96.2
1 800	36.4	50.7	54.1	72.9	82.2	84.0	90.3	94.7	94.9	96.0	96.0	96.0	96.2	96.4	96.4	96.4
1 750	36.4	50.7	54.1	72.9	82.2	84.0	90.3	94.7	94.9	96.0	96.0	96.2	96.4	96.8	96.8	96.8
1 700	36.4	50.7	54.1	72.9	82.2	84.0	90.3	94.7	94.9	96.0	96.2	96.4	96.6	97.0	97.0	97.0
1 650	36.4	50.7	54.1	72.9	82.2	84.0	90.3	94.7	94.9	96.0	96.2	96.4	96.6	97.0	97.0	97.0
1 600	36.4	50.7	54.1	72.9	82.2	84.0	90.3	94.7	94.9	96.0	96.2	96.4	96.6	97.2	97.2	97.2
1 550	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.2	97.4	97.8	98.4	98.4	98.4
1 500	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.2	99.4
1 450	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	99.8
1 400	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 350	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 300	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 250	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 200	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 150	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 100	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 050	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
1 000	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0
0	36.4	50.7	54.1	72.9	82.2	84.0	90.5	95.2	95.6	97.0	97.4	97.8	98.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 495

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

16265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS)

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥9 GE9.0	≥8 GE8.0	≥7 GE6.0	≥6 GE4.8	≥5 GE4.0	≥4 GE3.2	≥3 GE2.4	≥2½ GE2.0	≥2 GE1.6	≥1½ GE1.2	≥1 GE1.0	≥¾ GE.8	≥½ GE.5	≥¼ GE.4	< ¼ GE0
≥ UNL	16.4	21.5	22.7	31.3	35.2	35.2	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 20000	20.9	26.8	28.2	37.4	41.7	41.7	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	20.9	26.8	28.2	37.4	41.7	41.7	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 17000	20.9	26.8	28.2	37.4	41.7	41.7	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 16000	21.7	27.6	29.0	39.1	43.6	43.6	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 15000	21.7	27.8	29.4	39.5	44.0	44.0	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	23.9	30.5	32.7	43.8	48.5	48.5	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 13000	25.6	32.1	35.0	46.2	50.9	50.9	52.1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	27.4	35.2	38.4	50.7	55.6	55.6	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 11000	28.4	36.6	39.9	53.0	58.3	58.3	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	28.6	36.8	40.1	53.4	58.7	58.7	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	29.7	38.7	41.9	55.8	61.1	61.1	62.8	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	32.3	42.3	45.6	59.5	64.8	64.8	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	35.4	46.6	49.9	64.2	69.5	69.5	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6500	39.1	51.1	54.6	70.1	75.5	75.5	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 6000	43.8	59.3	63.0	79.3	85.1	85.3	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 5500	47.0	63.4	67.1	83.8	90.2	90.4	92.8	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 5000	48.1	65.2	68.9	85.7	92.0	92.2	94.7	95.5	95.5	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4500	48.5	65.6	69.3	86.1	92.4	92.6	95.1	95.9	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 4000	48.9	66.3	69.9	86.9	93.3	93.7	96.1	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 3500	49.3	67.1	70.8	87.7	94.1	94.5	96.9	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3000	49.3	67.1	71.0	87.9	94.7	95.1	97.5	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500	49.3	67.1	71.0	87.9	94.7	95.1	97.5	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2000	49.3	67.1	71.0	87.9	94.7	95.1	97.5	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	49.3	67.1	71.0	87.9	94.7	95.1	97.5	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1600	49.3	67.1	71.0	87.9	94.7	95.1	97.8	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1400	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	49.3	67.1	71.0	87.9	94.7	95.1	97.8	99.2	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 489

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

136265 STATION | BAD KREUZNACH DL STATION NAME | 73-82 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 GE90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	≥¾ GE12	≥½ GE10	≥¼ GE08	≥⅛ GE05	≥5/16 GE04	≥0 GE00
NO CEILING	20.6	28.7	29.4	34.4	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 20000	26.8	36.8	37.5	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000	26.8	36.8	37.5	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 16000	26.8	36.8	37.5	44.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 14000	27.0	37.1	37.7	45.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	28.7	38.8	39.5	47.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 10000	32.0	43.4	44.3	53.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000	33.3	44.7	45.6	54.8	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 8000	36.8	48.9	49.8	60.5	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 7000	37.9	50.2	51.1	62.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 6000	38.2	50.7	51.8	63.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	41.2	54.4	55.7	67.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4500	43.2	56.8	58.1	70.0	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4000	45.8	61.8	63.4	75.9	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	48.0	65.6	67.3	80.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	53.7	73.5	76.1	89.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	56.6	77.0	79.6	94.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	57.9	78.3	80.9	95.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1800	57.9	78.3	80.9	95.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500	58.3	78.7	81.4	95.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	59.0	79.4	82.0	96.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	59.0	79.6	82.5	97.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	59.0	79.6	82.5	97.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	59.0	79.6	82.5	97.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	59.0	79.6	82.5	97.1	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 856

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10265 (STATION) BAD KREUZNACH DI (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 (HOUR)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥9 GE9.0	≥8 GE8.0	≥7 GE6.0	≥6 GE4.8	≥5 GE4.0	≥4 GE3.2	≥3 GE2.4	≥2½ GE2.0	≥2 GE1.6	≥1½ GE1.2	≥1 GE1.0	≥ GE.8	≥ GE.5	≥ GE.4	≥ GE.0
NO CEILING	6.6	7.6	9.1	12.9	14.0	14.7	15.2	15.2	15.2	15.5	16.2	16.2	16.2	17.3	17.5	18.0
≥ 22000	7.6	9.1	10.7	15.0	16.0	16.8	17.5	17.5	17.5	18.0	19.3	19.5	19.5	20.8	21.3	21.8
≥ 18000	8.1	9.6	11.2	15.5	16.5	17.3	18.0	18.0	18.0	18.5	19.8	20.1	20.1	21.3	21.8	22.3
≥ 14000	8.1	9.6	11.2	15.5	16.5	17.3	18.0	18.0	18.0	18.5	19.8	20.1	20.1	21.3	21.8	22.3
≥ 12000	8.1	9.6	11.2	15.7	16.8	17.5	18.3	18.3	18.3	18.8	20.1	20.3	20.3	21.6	22.1	22.6
≥ 10000	8.4	9.9	11.9	16.5	17.8	18.5	19.3	19.3	19.3	20.1	21.3	21.6	21.6	22.8	23.4	23.9
≥ 9000	8.9	10.4	12.7	17.5	19.3	20.1	20.8	20.8	20.8	21.6	22.8	23.4	23.4	24.6	25.1	25.6
≥ 8000	9.9	11.4	13.7	18.8	20.6	21.3	22.1	22.1	22.1	22.8	24.1	24.6	24.6	25.9	26.4	27.0
≥ 7000	10.4	12.7	15.2	21.8	23.6	24.4	25.6	26.4	26.4	27.4	28.7	29.2	29.2	30.5	31.0	32.0
≥ 6000	10.4	12.9	15.7	22.8	24.6	25.4	26.6	27.4	27.4	28.4	29.7	30.2	30.2	31.5	32.0	33.0
≥ 5000	10.4	13.2	16.0	23.4	25.1	25.9	27.2	27.9	27.9	29.2	30.5	31.0	31.0	32.2	32.7	33.8
≥ 4500	10.9	14.0	16.8	24.4	26.1	26.9	28.2	28.9	28.9	30.5	31.7	32.2	32.2	33.5	34.0	35.0
≥ 4000	11.2	14.2	17.8	25.4	27.2	27.9	29.2	29.9	29.9	31.5	32.7	33.2	33.2	34.5	35.0	36.0
≥ 3500	13.2	16.8	21.3	30.5	33.2	34.0	35.8	36.5	36.5	38.6	39.8	40.8	40.8	41.6	42.1	43.4
≥ 3000	14.0	18.0	23.4	33.5	36.8	37.6	39.6	40.4	40.4	42.4	43.7	44.2	44.2	45.4	45.9	47.2
≥ 2500	18.0	22.8	28.4	40.1	44.2	45.2	48.2	50.0	50.5	52.8	54.1	54.6	54.6	55.8	56.3	57.6
≥ 2000	20.6	26.4	32.7	44.7	49.0	50.3	54.1	56.3	56.9	60.2	61.4	62.2	62.4	63.7	64.2	65.5
≥ 1800	21.8	27.7	34.5	48.2	52.5	53.8	57.9	61.2	61.7	66.0	67.3	68.0	68.3	69.5	70.1	71.3
≥ 1500	23.1	29.2	36.0	49.7	54.1	55.3	59.4	62.7	63.2	67.5	68.8	69.5	69.8	71.1	71.6	72.8
≥ 1200	24.4	30.5	37.3	51.3	55.6	56.9	61.9	65.2	65.7	71.1	72.3	73.0	73.6	75.4	75.9	77.2
≥ 1000	24.6	31.2	38.1	53.3	58.1	59.4	64.5	68.3	68.8	74.1	75.4	76.4	76.6	78.4	78.9	80.2
≥ 900	24.6	31.2	38.1	54.3	59.1	60.4	65.5	70.1	70.8	76.9	78.7	79.7	79.9	81.7	82.2	83.5
≥ 800	24.6	31.2	38.1	54.3	59.1	60.4	65.5	70.3	71.1	77.7	79.4	80.5	80.7	82.5	83.0	84.3
≥ 700	24.6	31.2	38.1	54.6	59.4	60.7	65.7	70.8	71.8	79.9	81.7	82.7	83.2	85.5	86.0	87.3
≥ 600	24.6	31.2	38.1	54.6	59.4	60.7	65.7	70.8	72.1	80.2	82.0	83.0	83.5	85.8	86.3	87.6
≥ 500	24.6	31.2	38.1	54.6	59.4	60.7	65.7	70.8	72.1	80.7	82.5	83.5	84.0	86.3	86.8	88.1
≥ 400	24.6	31.2	38.1	54.6	59.4	60.7	66.0	71.3	72.6	81.5	83.2	84.3	84.8	87.1	87.6	89.1
≥ 300	24.6	31.2	38.1	54.6	59.4	60.7	66.0	71.3	72.6	82.2	84.8	86.0	87.3	90.6	91.9	93.9
≥ 200	24.6	31.2	38.1	54.6	59.4	60.7	66.0	71.3	72.6	82.5	85.0	86.3	88.3	92.1	93.4	95.9
≥ 100	24.6	31.2	38.1	54.6	59.4	60.7	66.0	71.3	72.6	82.5	85.0	86.3	88.3	92.4	94.4	97.7
≥ 0	24.6	31.2	38.1	54.6	59.4	60.7	66.0	71.3	72.6	82.5	85.0	86.3	88.3	92.4	94.4	99.2
	24.6	31.2	38.1	54.6	59.4	60.7	66.0	71.3	72.6	82.5	85.0	86.3	88.3	92.4	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 184

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

10626S BAD KREUZNACH DL 73-82 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

STATUTE MILES OR (HUNDREDS OF METERS)

	GT9 1	GE9 2	GE8 3	GE6 4	GE4 5	GE3 6	GE2 7	GE2 8	GE2 9	GE1 10	GE1 11	GE1 12	GE1 13	GE0 14	GE0 15	GE0 16	GE0 17
	6.6	8.2	9.4	12.6	14.3	14.6	16.0	16.7	16.8	17.3	17.3	17.3	17.3	17.7	17.7	17.8	
	8.9	10.8	12.0	15.8	18.5	18.9	20.5	21.4	21.5	22.1	22.1	22.1	22.1	22.4	22.4	22.6	
	9.1	10.9	12.1	16.3	19.0	19.4	21.0	21.9	22.1	22.6	22.6	22.6	22.6	22.9	22.9	23.1	
	9.1	10.9	12.1	16.3	19.0	19.4	21.0	21.9	22.1	22.6	22.6	22.6	22.6	22.9	22.9	23.1	
	9.1	10.9	12.1	16.3	19.2	19.7	21.4	22.2	22.4	23.1	23.1	23.1	23.1	23.4	23.4	23.6	
	9.1	11.1	12.5	17.0	20.0	20.5	22.2	23.1	23.4	24.1	24.1	24.1	24.1	24.4	24.4	24.6	
	10.1	12.5	14.0	18.9	21.9	22.4	24.1	25.3	25.8	26.4	26.4	26.4	26.4	26.8	26.8	26.9	
	11.1	13.6	15.3	20.7	23.7	24.2	25.9	27.1	27.6	28.3	28.3	28.3	28.3	28.6	28.6	28.8	
	12.3	15.8	17.9	23.6	26.6	27.1	29.0	30.3	30.8	31.5	31.6	31.8	31.8	32.2	32.2	32.3	
	12.8	16.5	18.5	24.6	27.6	28.1	30.0	31.3	32.0	32.7	32.8	33.0	33.0	33.3	33.3	33.5	
	12.8	16.5	18.5	24.6	27.9	28.5	30.3	31.6	32.3	33.0	33.2	33.3	33.3	33.7	33.7	33.8	
	13.8	17.8	19.9	26.3	29.8	30.5	32.5	34.8	35.5	36.4	36.5	36.7	36.7	37.0	37.0	37.2	
	15.2	19.2	21.2	27.8	31.5	32.2	34.3	36.7	37.4	38.2	38.4	38.6	38.6	38.9	38.9	39.1	
	16.3	20.2	23.1	30.1	34.8	35.7	37.9	40.2	40.9	41.9	42.1	42.3	42.3	42.6	42.6	42.8	
	17.5	22.9	26.3	33.7	38.4	39.2	41.6	43.9	44.6	45.6	45.8	46.0	46.0	46.3	46.3	46.5	
	22.4	29.6	33.7	43.1	48.3	49.3	52.9	56.6	57.9	59.3	59.4	59.6	59.6	59.9	59.9	60.1	
	25.1	33.3	37.7	47.6	53.5	54.7	58.4	62.6	64.5	66.0	66.2	66.3	66.5	66.8	66.8	67.0	
	26.9	36.2	41.1	51.0	56.9	58.1	62.6	67.2	68.7	71.0	71.2	71.4	71.5	71.9	71.9	72.1	
	27.9	37.4	42.6	53.0	58.9	60.1	64.8	69.5	71.0	73.4	73.6	73.7	73.9	74.2	74.2	74.4	
	29.1	38.7	44.1	55.1	60.9	62.1	67.5	72.2	73.7	76.1	76.3	76.4	76.6	76.9	76.9	77.1	
	29.3	39.1	44.4	55.9	62.0	63.3	68.9	74.4	75.9	79.5	79.8	80.0	80.1	80.5	80.5	80.6	
	29.3	39.1	44.4	56.9	63.5	65.0	71.2	77.4	79.0	83.3	83.7	84.0	84.2	84.5	84.5	84.7	
900	29.3	39.1	44.4	56.9	63.8	65.3	71.7	78.3	79.8	84.3	84.7	85.0	85.2	85.5	85.5	85.7	
800	29.3	39.1	44.6	57.4	64.3	65.8	72.2	79.3	80.8	86.0	86.4	86.7	86.9	87.2	87.2	87.4	
700	29.3	39.1	44.6	57.4	64.3	65.8	72.2	80.6	82.7	88.0	88.4	88.7	88.9	89.2	89.2	89.4	
600	29.3	39.1	44.6	57.4	64.3	65.8	72.4	81.0	83.2	89.1	89.4	89.7	89.9	90.2	90.2	90.4	
500	29.3	39.1	44.6	57.4	64.3	65.8	72.7	81.6	84.0	90.1	90.4	90.7	90.9	91.2	91.2	91.4	
400	29.		44.6	57.4	64.3	65.8	72.7	81.6	84.2	91.1	91.4	91.6	92.1	92.4	92.4	92.6	
300	29		44.6	57.4	64.3	65.8	72.7	81.6	84.2	91.4	92.1	92.6	93.1	93.4	93.4	93.6	
200	2		.6	57.4	64.3	65.8	72.7	81.6	84.2	91.4	92.1	92.6	93.1	93.4	93.4	93.6	
100	2			57.4	64.3	65.8	72.7	81.6	84.2	91.4	92.1	92.6	93.1	93.4	93.4	93.6	
0	2			57.4	64.3	65.8	72.7	81.6	84.2	91.4	92.1	92.6	93.1	93.4	93.4	93.6	

TOTAL NUMBER OF OBSERVATIONS 598

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

10626S (STATION) BAD KREUZNACH DI (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1800 (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
	GT9C	EQ9C	GE8C	GE6C	GE4B	GE4C	GE3Z	GE2A	GE2C	GE16	GE12	GE10	GE08	GE05	GE0A	GE0
NO CEILING	9.7	12.8	13.3	17.0	19.1	19.3	20.1	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
≥ 20000	10.9	14.3	14.8	19.9	22.5	22.7	23.5	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
≥ 18000	11.8	15.2	15.7	20.8	23.3	23.7	24.7	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 16000	11.8	15.2	15.7	20.8	23.3	23.7	24.7	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 14000	12.1	15.5	16.0	21.1	23.9	24.2	25.2	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 12000	12.1	15.5	16.0	21.3	24.0	24.5	25.7	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 10000	13.1	16.9	17.4	22.8	26.1	26.6	27.8	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 9000	14.0	18.1	18.6	24.7	27.9	28.4	29.6	30.5	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
≥ 8000	16.7	21.8	22.3	29.6	33.0	33.6	34.8	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 7000	17.0	22.3	23.0	30.3	34.1	34.6	35.8	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 6000	17.0	22.3	23.0	30.3	34.1	34.6	35.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 5000	18.1	24.2	24.9	32.5	37.1	37.6	39.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 4500	18.7	25.2	25.9	33.6	38.3	38.8	40.2	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 4000	21.6	28.4	29.5	37.1	42.6	43.1	44.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 3500	23.7	31.7	32.9	41.6	47.5	48.2	49.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 3000	30.7	40.4	41.6	51.6	59.1	60.0	62.0	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 2500	33.7	45.0	46.5	57.4	65.9	67.0	69.5	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2000	37.3	49.7	51.8	63.0	73.1	74.3	77.0	79.2	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	38.5	51.1	53.2	64.9	75.1	76.3	79.0	81.3	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	39.9	52.8	54.9	67.3	77.5	78.7	81.9	84.2	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	40.5	54.0	56.2	69.2	79.9	81.1	84.5	87.6	87.9	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	40.5	54.2	56.4	70.0	81.1	82.3	86.4	89.6	89.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	40.5	54.2	56.4	70.0	81.1	82.5	86.9	90.1	90.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	40.7	54.3	56.6	70.2	81.6	83.0	88.9	92.7	93.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	40.7	54.3	56.6	70.4	81.8	83.1	89.4	93.5	93.9	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 600	40.7	54.3	56.6	70.4	81.8	83.3	89.9	94.9	95.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	40.7	54.3	56.6	70.4	81.8	83.3	90.1	95.4	95.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	40.7	54.3	56.6	70.4	81.8	83.3	90.1	95.4	95.9	99.3	99.3	99.3	99.5	99.5	99.5	99.5
≥ 300	40.7	54.3	56.6	70.4	81.8	83.3	90.1	95.4	95.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200	40.7	54.3	56.6	70.4	81.8	83.3	90.1	95.4	95.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	40.7	54.3	56.6	70.4	81.8	83.3	90.1	95.4	95.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	40.7	54.3	56.6	70.4	81.8	83.3	90.1	95.4	95.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 582

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

106265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	≥¾ GE12	≥½ GE10	≥⅜ GE08	≥5/16 GE05	≥¼ GE04	≥0 GE0
NO CEILING	16.3	21.5	22.0	24.1	25.7	26.2	27.0	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 20000	18.6	24.5	25.0	28.5	31.6	32.1	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000	19.3	25.5	26.1	29.6	32.6	33.2	34.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 16000	19.3	25.5	26.1	29.6	32.6	33.2	34.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000	19.5	25.7	26.2	29.8	32.8	33.3	34.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 12000	19.7	25.9	26.4	30.1	33.2	33.7	34.9	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 10000	21.3	28.4	28.9	33.3	37.8	38.3	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 9000	22.9	30.3	30.9	35.3	40.1	40.6	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	25.0	33.0	33.5	39.4	44.3	45.0	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 7000	25.4	33.7	34.2	40.1	45.9	46.6	48.4	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 6000	25.4	33.7	34.2	40.1	46.3	47.0	48.8	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 5000	26.8	35.1	35.8	42.2	48.8	49.5	51.2	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 4500	28.2	36.7	37.6	44.9	51.4	52.1	53.9	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4000	31.6	40.6	41.5	49.5	56.0	56.7	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 3500	34.0	43.8	44.7	53.0	59.6	60.3	62.4	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 3000	40.6	51.6	52.5	61.9	68.8	69.5	71.8	72.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 2500	44.5	56.2	57.3	67.4	74.5	75.2	77.7	78.4	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	47.3	59.6	60.6	71.5	79.8	80.9	83.3	84.0	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	47.3	59.8	60.8	71.6	80.0	81.0	83.5	84.2	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1500	49.8	63.1	64.2	75.5	83.9	84.9	87.6	88.3	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	50.5	64.0	65.2	77.0	85.3	86.3	89.5	91.0	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	50.5	64.0	65.6	77.7	86.0	87.1	90.6	92.6	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	50.5	64.0	65.6	77.7	86.0	87.1	91.0	92.9	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	50.7	64.2	65.8	77.8	87.1	88.1	92.6	95.4	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	50.7	64.2	65.8	77.8	87.1	88.1	92.6	96.1	97.0	97.9	98.0	98.2	98.2	98.2	98.2	98.2
≥ 600	50.7	64.2	65.8	77.8	87.1	88.1	92.7	96.5	97.3	98.4	98.6	98.8	98.8	98.8	98.8	98.8
≥ 500	50.7	64.2	65.8	77.8	87.1	88.1	92.7	96.5	97.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 400	50.7	64.2	65.8	77.8	87.1	88.1	92.7	96.5	97.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 300	50.7	64.2	65.8	77.8	87.1	88.1	92.7	96.5	97.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	50.7	64.2	65.8	77.8	87.1	88.1	92.7	96.5	97.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	50.7	64.2	65.8	77.8	87.1	88.1	92.7	96.5	97.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	50.7	64.2	65.8	77.8	87.1	88.1	92.7	96.5	97.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 568

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

10626S STATION | BAD KREUZNACH DL STATION NAME | 73-82 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOUR

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.2	≥6 E09.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1¾ GE2.4	≥1½ GE2.0	≥1 GE1.6	≥⅞ GE1.2	≥¾ GE1.0	≥½ GE0.8	≥⅜ GE0.5	≥¼ GE0.4	≥0 GE0
NO CEILING	8.7	12.0	12.8	16.6	17.1	17.1	17.1	17.7	17.9	18.2	18.2	18.2	18.2	18.2	18.2	18.5
> 20000	10.1	13.3	14.1	18.8	19.3	19.3	19.8	20.4	20.7	20.9	20.9	20.9	20.9	20.9	21.2	21.5
≥ 18000	10.1	13.3	14.1	18.8	19.6	19.8	20.4	20.9	21.2	21.5	21.5	21.5	21.5	21.5	21.7	22.0
≥ 16000	10.1	13.3	14.1	18.8	19.6	19.8	20.4	20.9	21.2	21.5	21.5	21.5	21.5	21.5	21.7	22.0
≥ 14000	10.1	13.3	14.1	19.0	19.8	20.1	20.7	21.2	21.5	21.7	21.7	21.7	21.7	21.7	22.0	22.3
≥ 12000	10.1	13.3	14.1	19.0	19.8	20.1	20.7	21.2	21.5	21.7	21.7	21.7	21.7	21.7	22.0	22.3
≥ 10000	10.3	13.9	15.5	20.7	21.5	21.7	22.3	22.8	23.1	23.4	23.4	23.4	23.4	23.4	23.6	23.9
≥ 9000	10.6	14.1	15.8	20.9	21.7	22.0	22.6	23.1	23.4	23.6	23.6	23.6	23.6	23.6	23.9	24.2
≥ 8000	11.4	15.5	17.1	23.1	23.9	24.2	24.7	25.3	25.5	25.8	25.8	25.8	25.8	25.8	26.1	26.4
≥ 7000	12.8	17.1	18.8	24.7	25.8	26.1	26.6	27.2	27.4	28.5	28.5	28.5	28.5	28.5	28.8	29.1
≥ 6000	12.8	17.1	18.8	24.7	25.8	26.1	26.6	27.2	27.4	28.5	28.5	28.5	28.5	28.5	28.8	29.1
≥ 5000	13.3	18.8	20.7	27.4	28.5	28.8	29.3	29.9	30.2	31.3	31.3	31.3	31.3	31.3	31.5	31.8
≥ 4500	13.9	19.3	21.2	28.3	29.3	29.6	30.2	30.7	31.0	32.1	32.1	32.1	32.1	32.1	32.3	32.6
≥ 4000	15.2	21.7	24.7	34.0	35.3	35.6	36.1	36.7	37.0	38.0	38.0	38.0	38.0	38.0	38.3	38.6
≥ 3500	17.1	23.9	27.2	37.2	38.6	39.1	40.2	40.8	41.0	42.1	42.4	42.4	42.4	42.4	42.7	42.9
≥ 3000	20.9	29.9	34.5	49.2	51.4	52.4	54.9	55.4	55.7	57.3	57.6	57.6	57.6	57.6	57.9	58.2
≥ 2500	22.8	32.9	38.3	53.8	56.3	57.3	60.9	61.4	61.7	63.6	64.1	64.1	64.1	64.1	64.4	64.7
≥ 2000	27.2	38.0	44.3	61.1	65.5	66.8	72.3	73.1	73.6	75.8	76.6	76.6	76.6	76.9	77.2	77.4
≥ 1800	28.0	39.4	45.9	63.6	67.9	69.3	75.0	75.8	76.4	78.5	79.3	79.3	79.3	79.6	79.9	80.2
≥ 1500	29.6	41.0	47.6	67.7	72.3	73.9	79.9	81.0	81.8	84.2	85.1	85.1	85.1	85.3	85.6	85.9
≥ 1200	29.9	41.6	48.1	69.0	74.5	76.1	82.3	83.4	84.2	86.7	87.5	87.5	87.5	87.8	88.0	88.3
≥ 1000	29.9	42.1	48.6	69.6	75.0	76.6	83.7	85.1	85.9	88.3	89.4	89.7	89.7	89.9	90.2	90.5
≥ 900	29.9	42.1	48.6	69.6	75.0	76.6	84.0	85.9	86.7	89.4	90.5	90.8	90.8	91.0	91.3	91.6
≥ 800	29.9	42.1	48.6	69.6	75.0	76.6	84.0	86.1	87.0	90.5	91.6	91.8	91.8	92.1	92.4	92.7
≥ 700	29.9	42.1	48.9	69.8	75.3	76.9	84.2	86.4	87.2	90.8	92.1	92.4	92.4	92.7	92.9	93.2
≥ 600	29.9	42.1	48.9	69.8	75.3	76.9	84.5	86.7	87.5	91.8	93.2	93.5	93.5	93.8	94.0	94.3
≥ 500	29.9	42.1	48.9	69.8	75.3	76.9	84.5	86.7	87.5	92.1	93.5	93.8	94.0	94.3	95.1	95.7
≥ 400	29.9	42.1	48.9	69.8	75.3	76.9	84.5	86.7	87.5	92.1	93.5	93.8	94.3	94.6	95.9	96.7
≥ 300	29.9	42.1	48.9	69.8	75.3	76.9	84.5	86.7	87.5	92.1	93.5	93.8	94.3	95.7	97.0	98.1
≥ 200	29.9	42.1	48.9	69.8	75.3	76.9	84.5	86.7	87.5	92.1	93.5	93.8	94.3	95.7	97.0	98.9
≥ 100	29.9	42.1	48.9	69.8	75.3	76.9	84.5	86.7	87.5	92.1	93.5	93.8	94.3	95.7	97.0	99.7
≥ 0	29.9	42.1	48.9	69.8	75.3	76.9	84.5	86.7	87.5	92.1	93.5	94.0	94.6	95.9	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 368

USAF ETAC FORM 10L64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

10265 (STATION) BAD KREUZNACH,OL (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (LOCAL TIME)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 E09.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2 GE4.0	≥2 GE3.2	≥1 GE2.4	≥1 GE2.0	≥1 GE1.6	≥ GE1.2	≥ GE1.0	≥ GE0.8	≥5/16 GE0.5	≥ GE0.4	≥0 GE0
NO CEILING	11.4	14.5	15.2	18.8	20.1	20.1	20.5	20.7	20.7	20.7	20.7	20.7	20.7	20.8	20.8	21.2
≥ 20000	15.0	19.6	20.3	24.6	25.9	25.9	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.8	26.8	27.2
≥ 18000	15.8	20.3	21.2	25.5	27.4	27.4	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.3	28.3	28.6
≥ 6000	15.8	20.3	21.2	25.5	27.4	27.4	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.3	28.3	28.6
≥ 4000	15.8	20.3	21.2	25.5	27.4	27.4	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.3	28.3	28.6
≥ 2000	15.9	20.5	21.4	25.9	27.7	27.7	28.3	28.9	28.9	28.9	28.9	28.9	28.9	28.6	28.6	29.0
≥ 1000	17.9	22.6	23.9	28.8	30.6	30.6	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.5	31.5	31.9
≥ 900	19.0	24.3	25.7	30.8	32.8	32.8	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.9	33.9	34.2
≥ 800	20.7	26.4	28.3	34.8	37.0	37.0	37.7	37.9	37.9	37.9	37.9	37.9	37.9	38.0	38.0	38.4
≥ 700	21.6	27.5	29.5	36.1	38.4	38.4	39.1	39.3	39.3	39.5	39.7	39.9	39.9	40.0	40.0	40.4
≥ 600	21.6	27.5	29.5	36.1	38.4	38.4	39.1	39.3	39.3	39.5	39.7	40.0	40.0	40.2	40.2	40.6
≥ 500	22.1	28.1	30.1	37.1	39.5	39.5	40.4	40.6	40.8	40.9	41.1	41.5	41.5	41.7	41.7	42.0
≥ 450	23.2	29.7	31.7	38.9	41.3	41.3	42.2	42.4	42.6	42.8	42.9	43.3	43.3	43.5	43.5	43.8
≥ 400	24.5	31.9	35.1	44.0	46.8	46.4	47.6	47.8	48.0	48.2	48.4	48.7	48.9	49.1	49.1	49.5
≥ 350	26.4	34.6	38.2	49.5	52.2	52.2	53.6	53.8	54.0	54.2	54.3	54.7	55.1	55.3	55.3	55.6
≥ 300	29.5	39.3	43.5	58.2	61.2	61.2	63.6	63.9	64.1	64.3	64.5	64.9	65.2	65.4	65.4	65.8
≥ 250	31.5	41.7	46.2	61.1	64.3	64.3	67.6	67.9	68.1	68.5	68.7	69.0	69.4	69.6	69.6	69.9
≥ 200	35.9	46.9	51.8	67.6	71.9	72.5	76.3	77.4	77.5	78.1	78.3	78.6	79.0	79.2	79.2	79.7
≥ 150	37.3	48.6	53.4	69.6	73.9	74.5	78.3	79.5	79.7	80.3	80.4	80.8	81.2	81.3	81.3	81.9
≥ 100	38.9	50.5	55.6	72.5	77.0	77.7	81.5	82.8	83.0	83.5	83.7	84.1	84.4	84.6	84.6	85.1
≥ 1200	39.9	51.4	56.5	73.9	78.6	79.3	84.2	86.4	86.6	87.3	87.5	87.9	88.2	88.4	88.4	88.9
≥ 1000	39.9	51.4	56.5	74.3	79.2	79.9	85.0	87.3	87.5	88.4	88.6	89.1	89.5	89.7	89.7	90.2
≥ 900	39.9	51.4	56.5	74.3	79.2	79.9	85.5	87.9	88.0	88.9	89.1	89.7	90.0	90.2	90.2	90.8
≥ 800	39.9	51.4	56.5	74.3	79.3	80.1	85.7	88.6	88.8	90.0	90.2	90.8	91.3	91.5	91.5	92.0
≥ 700	39.9	51.4	56.7	74.5	79.5	80.3	85.9	89.1	89.3	90.8	90.9	91.5	92.0	92.2	92.2	92.8
≥ 600	39.9	51.4	56.7	74.5	79.5	80.3	85.9	89.1	89.5	90.9	91.1	91.7	92.4	92.8	92.8	93.3
≥ 500	39.9	51.4	56.7	74.5	79.5	80.3	86.2	89.5	89.9	92.4	92.8	93.3	94.0	94.7	94.7	95.7
≥ 400	39.9	51.4	56.7	74.5	79.7	80.4	86.4	89.9	90.2	92.9	93.3	94.0	95.1	96.0	96.0	97.6
≥ 300	39.9	51.4	56.7	74.5	79.7	80.4	86.4	89.9	90.2	92.9	93.3	94.0	95.1	96.6	96.7	98.7
≥ 200	39.9	51.4	56.7	74.5	79.7	80.4	86.4	89.9	90.2	92.9	93.3	94.0	95.1	96.7	96.9	99.5
≥ 100	39.9	51.4	56.7	74.5	79.7	80.4	86.4	89.9	90.2	92.9	93.3	94.0	95.1	96.7	96.9	99.5
≥ 0	39.9	51.4	56.7	74.5	79.7	80.4	86.4	89.9	90.2	92.9	93.3	94.0	95.1	96.7	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 552

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

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS)

CEILING FEET	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10 GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	≥¾ GE12	≥½ GE10	≥⅜ GE08	≥5/16 GE05	≥¼ GE04	≥0 GE0
NO CEILING	14.2	17.3	17.9	20.0	21.1	21.1	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 20000	16.6	20.8	21.5	24.8	26.0	26.0	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 18000	17.9	22.2	23.0	26.6	28.1	28.1	28.2	28.2	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	18.0	22.4	23.1	26.8	28.2	28.2	28.4	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 14000	18.4	23.1	23.9	27.7	29.1	29.1	29.3	29.3	29.3	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 12000	19.9	24.6	25.3	29.1	30.6	30.6	31.0	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 10000	23.0	27.7	28.4	32.4	34.2	34.2	34.8	34.8	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 9000	24.0	29.0	29.7	34.1	36.1	36.1	36.6	36.6	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 8000	27.3	33.2	34.2	39.0	41.0	41.2	41.7	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 7000	28.8	34.8	35.9	41.0	43.5	43.7	44.4	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 6000	28.8	34.8	35.9	41.0	43.5	43.7	44.4	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 5000	29.0	35.2	36.2	41.5	44.1	44.3	45.0	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 4500	29.9	36.1	37.2	43.4	45.9	46.1	46.8	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 4000	32.2	39.7	41.2	48.6	51.4	51.5	52.5	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3500	34.6	43.4	45.0	54.1	56.8	57.0	57.9	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 3000	39.2	49.5	51.2	60.8	64.1	64.5	65.8	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 2500	43.9	54.5	56.3	66.7	70.9	71.4	73.0	74.0	74.0	74.7	74.7	74.7	74.7	74.9	74.9	74.9
≥ 2000	48.3	59.2	61.6	73.2	77.8	78.3	80.7	81.6	81.6	82.3	82.3	82.3	82.3	82.5	82.5	82.5
≥ 1800	49.7	61.2	63.8	75.4	80.0	80.5	82.9	83.8	83.8	84.5	84.5	84.5	84.5	84.7	84.7	84.7
≥ 1500	51.5	63.2	65.8	78.1	82.7	83.2	85.8	86.9	86.9	87.6	87.6	87.6	87.6	87.8	87.8	87.8
≥ 1200	51.5	63.2	65.9	79.6	84.3	84.9	88.3	89.6	89.6	90.3	90.3	90.3	90.3	90.5	90.5	90.5
≥ 1000	51.5	63.2	65.9	79.6	84.3	84.9	88.7	90.2	90.2	91.6	91.6	91.8	91.8	92.0	92.0	92.0
≥ 900	51.5	63.2	65.9	79.6	84.3	84.9	89.3	91.4	91.4	92.9	92.9	93.1	93.1	93.3	93.3	93.3
≥ 800	51.5	63.2	65.9	79.6	84.3	84.9	89.3	91.4	91.6	93.4	93.4	93.6	93.6	93.8	94.0	94.0
≥ 700	51.5	63.2	65.9	79.6	85.1	85.6	90.0	92.3	92.5	94.7	94.7	94.9	94.9	95.1	95.3	95.3
≥ 600	51.5	63.2	65.9	79.6	85.2	85.8	90.2	92.5	92.9	95.3	95.3	95.6	95.6	95.8	96.2	96.2
≥ 500	51.5	63.2	65.9	79.6	85.6	86.2	90.5	93.3	93.6	96.7	96.7	97.1	97.1	97.3	97.6	97.6
≥ 400	51.5	63.2	65.9	79.6	85.8	86.3	90.7	93.6	94.2	97.4	97.4	97.8	97.8	98.0	98.7	98.9
≥ 300	51.5	63.2	65.9	79.6	85.8	86.3	90.7	93.6	94.2	97.4	97.4	97.8	97.8	98.0	98.7	99.5
≥ 200	51.5	63.2	65.9	79.6	85.8	86.3	90.7	93.6	94.2	97.4	97.4	97.8	97.8	98.0	98.7	99.6
≥ 100	51.5	63.2	65.9	79.6	85.8	86.3	90.7	93.6	94.2	97.4	97.4	97.8	97.8	98.0	98.7	99.8
≥ 0	51.5	63.2	65.9	79.6	85.8	86.3	90.7	93.6	94.2	97.4	97.4	97.8	97.8	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 582

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

10626S BAD KREUZNACH GE STATION NAME 73-82 YEARS NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 LOCAL STANDARD TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES OR HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 GE9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2½ GE4.0	≥2 GE3.2	≥1½ GE2.4	≥1¼ GE2.0	≥1 GE1.6	≥¾ GE1.2	≥½ GE1.0	≥¼ GE0.8	≥⅛ GE0.5	≥0 GE0.4	<⅛ GE0
NO CEILING	13.5	16.5	17.3	20.4	21.2	21.2	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 20000	18.3	22.4	23.6	27.2	28.6	28.6	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 18000	19.0	23.4	24.6	28.4	29.8	29.8	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 16000	19.0	23.4	24.6	28.4	29.8	29.8	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 14000	19.2	23.6	24.8	28.6	30.0	30.0	30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 12000	20.0	24.8	26.0	30.0	31.3	31.3	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 10000	24.2	29.4	31.0	35.5	37.7	37.7	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 9000	26.2	31.3	33.1	38.1	40.5	40.5	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 8000	28.0	33.7	35.7	41.1	43.7	43.7	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 7000	29.4	35.1	37.1	42.7	45.6	45.8	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 6000	30.0	35.7	37.7	43.3	46.4	46.6	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 5000	30.8	36.5	38.5	44.0	47.2	47.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 4500	31.9	37.9	39.9	45.8	49.0	49.2	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 4000	36.7	44.2	46.6	53.4	57.1	57.5	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 3500	39.9	48.0	51.4	58.7	62.5	62.9	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3000	45.2	54.0	57.3	66.1	70.0	70.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2500	47.6	56.5	60.1	69.6	74.2	75.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2000	51.0	60.9	64.5	74.2	79.8	80.8	82.3	82.5	82.5	82.5	82.9	83.3	83.3	83.3	83.3	83.3
≥ 1800	51.4	61.7	65.3	75.4	81.0	81.9	83.7	83.9	83.9	83.9	83.9	84.3	84.7	84.7	84.7	84.7
≥ 1500	53.4	63.9	67.9	79.2	84.7	85.7	87.5	87.7	87.7	87.7	87.7	88.1	88.5	88.5	88.5	88.5
≥ 1200	53.8	64.3	68.5	81.3	86.9	87.9	89.7	90.1	90.1	90.3	90.9	91.3	91.3	91.3	91.3	91.3
≥ 1000	54.0	64.5	68.7	81.5	87.5	88.9	90.9	91.9	91.9	92.5	93.1	93.8	93.8	93.8	93.8	93.8
≥ 900	54.0	64.5	68.7	81.5	87.5	88.9	91.1	92.3	92.3	93.1	93.7	94.4	94.4	94.4	94.4	94.4
≥ 800	54.0	64.5	68.7	81.5	87.5	88.9	91.1	92.7	93.3	94.2	94.8	95.6	95.8	95.8	95.8	95.8
≥ 700	54.0	64.5	68.7	81.9	87.9	89.3	91.5	93.1	93.7	94.6	95.2	96.0	96.2	96.2	96.2	96.4
≥ 600	54.0	64.5	68.7	81.9	87.9	89.3	91.5	93.3	93.8	94.8	95.4	96.8	97.0	97.2	97.2	97.4
≥ 500	54.0	64.5	68.7	81.9	88.5	89.9	92.1	94.4	95.0	96.2	96.8	98.2	98.4	98.6	98.6	98.8
≥ 400	54.0	64.5	68.7	81.9	88.5	89.9	92.1	94.4	95.0	96.6	97.2	98.6	98.8	99.0	99.0	99.2
≥ 300	54.0	64.5	68.7	81.9	88.5	89.9	92.1	94.4	95.0	96.6	97.2	98.6	98.8	99.0	99.0	99.4
≥ 200	54.0	64.5	68.7	81.9	88.5	89.9	92.1	94.4	95.0	96.6	97.2	98.6	98.8	99.0	99.0	100.0
≥ 100	54.0	64.5	68.7	81.9	88.5	89.9	92.1	94.4	95.0	96.6	97.2	98.6	98.8	99.0	99.0	100.0
≥ 0	54.0	64.5	68.7	81.9	88.5	89.9	92.1	94.4	95.0	96.6	97.2	98.6	98.8	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 504

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

~~10626~~ ~~5~~ BAD KREUZNACH DL 73-82 ~~DEC~~
STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~0600-0800~~

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	<¼
	GT90	EQ90	GE80	GE60	GE48	GE40	GE32	GE24	GE20	GE16	GE12	GE10	GE08	GE05	GE04	GE00
	10.2	13.1	15.1	18.8	19.3	19.6	19.8	20.4	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
	10.4	13.3	15.7	19.8	20.4	20.6	21.7	22.5	22.7	22.7	22.7	22.7	23.0	23.0	23.0	23.0
	10.7	13.6	15.9	20.1	20.6	20.9	21.9	22.7	23.0	23.0	23.0	23.0	23.2	23.2	23.2	23.2
	10.7	13.6	15.9	20.1	20.6	20.9	21.9	22.7	23.0	23.0	23.0	23.0	23.2	23.2	23.2	23.2
	11.0	13.8	16.2	20.4	20.9	21.1	22.2	23.0	23.2	23.2	23.2	23.2	23.5	23.5	23.5	23.5
	11.2	14.1	16.4	20.6	21.1	21.4	22.5	23.2	23.5	23.5	23.5	23.5	23.8	23.8	23.8	23.8
	11.5	14.4	16.7	20.9	21.4	21.7	22.7	23.5	23.8	23.8	23.8	23.8	24.0	24.0	24.0	24.0
	12.5	15.4	17.8	21.9	22.5	22.7	23.8	24.5	24.8	24.8	24.8	24.8	25.1	25.1	25.1	25.1
	14.1	17.0	19.8	24.5	25.3	25.8	27.2	27.9	28.2	28.2	28.2	28.2	28.5	28.5	28.5	28.5
	14.4	17.2	20.1	24.8	25.6	26.1	27.9	28.7	29.0	29.0	29.0	29.0	29.2	29.2	29.2	29.2
	14.4	17.2	20.1	24.8	25.6	26.1	27.9	28.7	29.0	29.0	29.0	29.0	29.2	29.2	29.2	29.2
	15.1	18.0	20.9	25.6	26.4	26.9	28.7	29.8	30.0	30.0	30.0	30.0	30.3	30.3	30.3	30.3
	15.9	18.8	21.7	26.6	27.4	27.9	29.8	30.8	31.1	31.1	31.1	31.1	31.3	31.3	31.3	31.3
	18.3	22.2	25.6	31.9	32.6	33.2	35.0	36.0	36.6	37.6	37.6	37.6	37.9	37.9	37.9	37.9
	20.4	24.5	28.5	35.2	36.0	36.6	38.4	39.4	40.2	41.3	41.3	41.3	41.5	41.5	41.5	41.5
	25.1	29.8	35.5	46.7	48.3	48.8	51.2	52.2	53.0	54.0	54.0	54.0	54.3	54.3	54.3	54.3
	29.5	35.5	42.3	56.4	58.2	59.0	61.4	62.7	63.4	64.5	64.5	64.5	64.8	64.8	64.8	64.8
	32.6	40.5	48.0	64.2	67.6	68.7	74.4	76.8	77.5	78.9	78.9	78.9	79.1	79.1	79.1	79.1
	34.2	42.0	49.6	65.8	69.5	70.8	76.5	78.9	79.6	81.2	81.2	81.2	81.5	81.5	81.5	81.5
	35.0	43.3	51.7	68.4	72.6	73.9	79.6	82.5	83.3	85.1	85.1	85.1	85.4	85.4	85.4	85.4
	35.0	43.3	51.7	68.9	73.1	74.4	80.9	83.8	84.6	87.7	87.7	87.7	88.0	88.0	88.0	88.0
	35.0	43.3	51.7	69.5	73.6	74.9	81.5	84.9	85.6	89.3	89.3	89.6	89.8	89.8	89.8	89.8
	35.0	43.3	51.7	69.5	73.6	74.9	82.5	85.9	86.7	90.3	90.3	90.6	90.9	90.9	90.9	90.9
	35.0	43.9	52.2	70.5	74.9	76.5	84.6	88.3	89.6	93.2	93.5	93.7	94.3	94.3	94.3	94.3
	35.0	43.9	52.2	70.5	74.9	76.8	85.6	89.8	91.1	95.6	95.8	96.1	96.6	96.6	96.6	96.6
	35.0	43.9	52.2	70.5	75.5	77.3	86.4	90.6	91.9	96.3	96.6	96.9	97.4	97.4	97.4	97.4
	35.0	43.9	52.2	70.5	75.5	77.3	86.9	91.6	93.0	97.4	97.7	97.9	98.7	98.7	98.7	98.7
	35.0	43.9	52.2	70.5	75.5	77.3	86.9	91.6	93.0	97.4	97.7	97.9	98.7	99.2	99.2	99.2
	35.0	43.9	52.2	70.5	75.5	77.3	86.9	91.6	93.0	97.4	97.7	97.9	98.7	99.2	99.2	99.2
	35.0	43.9	52.2	70.5	75.5	77.3	86.9	91.6	93.0	97.4	97.7	97.9	98.7	99.2	99.2	99.2
	35.0	43.9	52.2	70.5	75.5	77.3	86.9	91.6	93.0	97.4	97.7	97.9	98.7	99.2	99.2	100.0
	35.0	43.9	52.2	70.5	75.5	77.3	86.9	91.6	93.0	97.4	97.7	97.9	98.7	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 383

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

10265 (STATION) BAD KREUZNACH DL (STATION NAME) 73-82 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR)

CEILING (FEET)	VISIBILITY STATUTE MILES OR (HUNDREDS OF METERS)														
	≥10 GT90	≥6 EQ90	≥5 GE80	≥4 GE60	≥3 GE48	≥2½ GE40	≥2 GE32	≥1½ GE24	≥1¼ GE20	≥1 GE16	¾ GE12	½ GE10	⅜ GE08	≥5/16 GE05	≥¼ GE04	≥0 GE00
≥ UNLIMITED	9.1	11.6	14.5	17.6	19.3	19.7	20.0	20.0	20.2	20.5	20.5	20.5	20.5	20.5	20.5	20.5
≥ 20000	10.6	13.9	16.8	20.5	22.7	23.4	24.4	24.4	24.5	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 18000	10.8	14.1	17.0	20.7	22.9	23.5	24.7	24.7	24.9	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 5000	10.8	14.1	17.0	20.7	22.9	23.5	24.7	24.7	24.9	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 14000	10.9	14.3	17.1	20.8	23.0	23.7	24.9	25.2	25.4	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 4000	11.6	15.0	17.8	21.7	23.9	24.5	25.7	26.1	26.2	26.6	26.7	26.7	26.7	26.7	26.7	26.7
≥ 12000	11.8	15.8	18.8	22.7	25.4	26.1	27.2	27.6	27.7	28.1	28.2	28.2	28.2	28.2	28.2	28.2
≥ 9000	12.9	17.1	20.5	24.4	27.2	27.9	29.1	29.4	29.6	29.9	30.1	30.1	30.1	30.1	30.1	30.1
≥ 8000	15.1	21.2	24.5	29.4	32.3	32.9	34.1	34.5	34.6	35.0	35.1	35.1	35.1	35.1	35.1	35.1
≥ 7000	15.5	21.5	24.9	30.3	33.3	34.3	35.6	36.0	36.1	36.5	36.6	36.8	36.8	37.0	37.0	37.1
≥ 6000	15.5	21.7	25.0	30.4	33.4	34.5	35.8	36.1	36.3	36.6	36.8	37.0	37.0	37.1	37.1	37.3
≥ 5000	16.3	22.7	26.1	31.4	34.5	35.5	37.0	37.3	37.5	37.8	38.0	38.2	38.2	38.3	38.3	38.5
≥ 4500	16.3	22.9	26.4	31.8	34.8	35.8	37.5	37.8	38.0	38.3	38.5	38.7	38.7	38.8	38.8	39.0
≥ 4000	18.5	26.4	30.1	36.0	39.5	40.7	42.7	43.2	43.4	43.7	43.9	44.0	44.0	44.2	44.2	44.4
≥ 3500	19.5	28.4	32.8	39.3	42.9	44.0	46.1	46.6	46.9	47.2	47.4	47.6	47.6	47.7	47.7	47.9
≥ 3000	25.0	35.1	40.0	47.9	52.1	53.3	56.1	56.6	57.0	57.3	57.5	57.6	57.6	57.8	57.8	58.0
≥ 2500	29.2	40.7	46.6	55.1	60.3	62.0	65.2	65.9	66.2	66.6	66.7	66.9	66.9	67.1	67.1	67.2
≥ 2000	32.9	45.4	51.9	60.7	66.7	68.4	72.8	73.6	74.3	75.3	75.5	75.6	75.6	75.8	75.8	76.0
≥ 1800	33.6	46.4	52.9	62.2	68.4	70.1	74.5	75.8	77.0	78.7	78.8	79.0	79.0	79.2	79.2	79.3
≥ 1500	34.8	48.6	55.3	65.5	72.4	74.1	78.8	80.2	81.3	83.0	83.2	83.4	83.5	83.7	83.7	83.9
≥ 1200	35.0	48.9	56.0	66.6	73.4	75.6	80.5	81.8	83.0	85.2	85.4	85.7	85.9	86.1	86.1	86.2
≥ 1000	35.3	49.2	56.5	68.1	75.0	77.1	82.0	83.9	85.0	87.7	87.9	88.2	88.4	88.6	88.6	88.7
≥ 900	35.3	49.6	56.8	68.6	75.6	78.2	83.0	84.9	86.1	89.2	89.4	89.7	89.9	90.1	90.1	90.3
≥ 800	35.3	49.6	57.0	68.7	76.0	78.5	83.4	85.9	87.1	90.4	90.8	91.3	91.6	92.1	92.1	92.3
≥ 700	35.3	49.6	57.0	68.7	76.0	78.5	83.5	86.2	87.6	91.8	92.1	92.6	92.9	93.6	93.6	93.8
≥ 600	35.3	49.6	57.0	68.7	76.0	78.7	83.9	87.1	88.6	93.1	94.3	95.1	95.6	96.5	96.5	96.6
≥ 500	35.3	49.6	57.0	68.7	76.0	78.7	84.0	87.2	88.9	93.9	95.1	96.1	96.6	97.5	97.5	97.6
≥ 400	35.3	49.6	57.0	68.7	76.0	78.7	84.0	87.2	88.9	94.1	95.3	96.6	97.3	98.3	98.3	98.5
≥ 300	35.3	49.6	57.0	68.7	76.0	78.7	84.0	87.2	88.9	94.1	95.3	96.6	97.3	98.7	98.8	99.0
≥ 200	35.3	49.6	57.0	68.7	76.0	78.7	84.0	87.2	88.9	94.1	95.3	96.6	97.3	98.7	98.8	99.5
≥ 100	35.3	49.6	57.0	68.7	76.0	78.7	84.0	87.2	88.9	94.1	95.3	96.6	97.3	98.7	98.8	99.7
≥ 0	35.3	49.6	57.0	68.7	76.0	78.7	84.0	87.2	88.9	94.1	95.3	96.6	97.3	98.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 595

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

10625 BAD KREUZNACH DL 73-82 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 12UP-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)															
	≥10 GT9.0	≥6 GE9.0	≥5 GE8.0	≥4 GE6.0	≥3 GE4.8	≥2 GE4.0	≥1.7 GE3.2	≥1.5 GE2.4	≥1.3 GE2.0	≥1 GE1.6	≥.8 GE1.2	≥.6 GE1.0	≥.5 GE.8	≥.4 GE.5	≥.3 GE.4	≥.2 GE.3
UNL	11.4	14.6	16.8	19.7	20.6	20.6	21.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 20000	12.7	16.5	18.6	22.1	24.1	24.2	24.8	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
≥ 18000	12.8	16.6	18.8	22.2	24.2	24.4	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
> 6000	12.8	16.6	18.8	22.2	24.2	24.4	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
≥ 14000	13.0	17.0	19.2	22.8	24.8	25.0	25.5	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
> 5000	14.1	18.1	20.3	24.1	26.0	26.2	26.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 10000	14.8	19.0	21.2	25.5	28.2	28.4	28.9	29.3	29.3	29.5	29.5	29.5	29.5	29.5	29.5	29.5
> 3000	15.9	20.3	22.4	26.8	29.7	29.8	30.4	30.7	30.7	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 9000	17.5	23.0	25.1	30.6	33.5	33.6	34.9	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 2000	18.8	24.2	26.6	32.0	35.1	35.4	36.7	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.4	37.6
≥ 6000	19.3	24.8	27.1	32.5	35.6	36.0	37.3	37.6	37.6	37.8	37.8	37.8	37.8	37.8	38.0	38.2
≥ 5000	20.3	25.7	28.0	33.5	36.5	36.9	38.2	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.9	39.1
> 4500	21.7	27.3	29.7	35.1	38.2	38.5	40.3	40.7	40.7	40.9	40.9	40.9	40.9	40.9	41.0	41.2
> 4000	24.1	31.1	34.0	41.0	44.7	45.0	46.8	47.2	47.2	47.4	47.4	47.4	47.6	47.7	47.9	48.1
≥ 3500	25.7	33.3	36.9	44.1	47.7	48.1	50.1	50.5	50.6	50.8	50.8	50.8	51.0	51.2	51.4	51.5
≥ 1000	33.5	42.5	46.5	55.2	59.3	59.9	62.0	62.6	62.9	63.5	63.5	63.7	63.8	64.0	64.2	64.4
≥ 2500	37.3	47.0	51.9	60.9	65.8	66.7	68.9	69.6	70.0	70.5	70.5	70.7	70.9	71.4	71.6	71.8
≥ 2000	41.0	52.3	57.9	67.6	73.1	74.0	76.5	77.4	77.8	79.0	79.0	79.2	79.4	79.9	80.1	80.3
≥ 1800	41.0	52.8	58.4	68.2	73.8	74.7	77.2	78.7	79.2	80.5	80.5	80.7	80.8	81.4	81.6	81.7
≥ 1500	42.9	55.0	60.8	70.9	76.7	77.9	80.7	82.1	82.8	84.1	84.1	84.3	84.4	85.0	85.2	85.4
≥ 1200	43.2	55.5	61.3	71.6	77.4	79.0	81.7	83.2	83.9	85.5	85.5	85.7	85.9	86.4	86.6	86.8
≥ 1000	43.6	56.2	62.6	73.6	79.4	81.0	84.1	85.9	86.6	89.2	89.2	89.5	89.7	90.2	90.4	90.6
≥ 900	43.6	56.2	62.6	73.6	79.4	81.0	84.6	86.6	87.3	90.1	90.1	90.4	90.6	91.1	91.3	91.5
≥ 800	43.6	56.2	62.9	74.1	79.9	81.6	85.2	87.7	88.4	91.5	91.5	91.9	92.0	92.6	92.8	92.9
≥ 700	43.6	56.4	63.1	74.5	80.3	81.9	85.9	88.6	89.3	92.9	93.1	93.5	93.9	94.6	94.8	94.9
≥ 600	43.6	56.4	63.1	74.5	80.3	81.9	86.1	88.8	89.5	93.3	93.7	94.0	94.4	95.1	95.3	95.5
≥ 500	43.6	56.4	63.1	74.5	80.3	81.9	86.1	89.0	89.7	93.9	94.2	94.9	95.3	96.7	96.9	97.1
≥ 400	43.6	56.4	63.1	74.5	80.3	81.9	86.3	89.2	89.9	94.6	94.9	95.7	96.2	97.6	97.8	98.0
≥ 300	43.6	56.4	63.1	74.5	80.3	81.9	86.3	89.2	89.9	94.6	94.9	96.0	96.6	98.6	99.1	99.3
≥ 200	43.6	56.4	63.1	74.5	80.3	81.9	86.3	89.2	89.9	94.6	94.9	96.0	96.6	98.7	99.6	99.8
≥ 100	43.6	56.4	63.1	74.5	80.3	81.9	86.3	89.2	89.9	94.6	94.9	96.0	96.6	98.7	99.6	99.8
≥ 0	43.6	56.4	63.1	74.5	80.3	81.9	86.3	89.2	89.9	94.6	94.9	96.0	96.6	98.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 553

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

16265 BAD KREUZNACH DL 73-82 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

15 UTC-1700

VISIBILITY (STATUTE MILES) OR (HUNDREDS OF METERS)

CEILING (FEET) OR (METERS)	GT 2	GE 2	GE 1	GE 1/2	GE 1/4	GE 1/8	GE 0
GT 19,000	14.0	18.4	19.4	21.1	21.5	21.5	21.7
19,000	15.8	20.4	21.5	24.7	25.1	25.1	25.3
18,000	16.2	21.1	22.1	25.3	25.7	25.7	25.9
17,000	16.2	21.1	22.1	25.3	25.7	25.7	25.9
16,000	17.0	21.9	22.9	26.1	26.5	26.5	26.7
15,000	17.2	22.7	23.7	27.5	27.9	27.9	28.3
14,000	17.6	23.1	24.3	28.3	29.1	29.1	29.6
13,000	18.6	24.3	25.5	29.8	31.2	31.2	31.8
12,000	20.6	27.3	28.7	33.0	34.4	34.4	35.6
11,000	21.7	28.3	30.0	34.2	36.0	36.0	37.2
10,000	22.1	28.9	30.6	35.0	36.8	36.8	38.1
9,000	23.5	30.6	32.2	36.6	38.7	38.7	39.9
8,000	24.1	31.2	32.8	37.2	39.3	39.3	40.5
7,000	26.7	34.8	37.0	42.5	45.1	45.1	46.4
6,000	27.3	35.6	38.3	44.3	47.0	47.0	48.2
5,000	36.4	46.0	49.4	57.5	60.5	60.7	62.6
4,000	40.9	50.4	54.7	63.2	67.0	67.2	69.6
3,500	44.7	55.9	61.9	72.1	76.1	76.3	78.7
3,000	44.9	56.1	62.1	72.5	76.7	76.9	79.6
2,500	47.0	58.7	64.8	75.1	79.6	80.0	82.8
2,000	48.2	60.9	67.2	77.9	82.6	83.0	85.8
1,800	48.2	60.9	67.2	77.9	82.6	83.0	85.8
1,600	48.2	60.9	67.2	77.9	82.8	83.2	86.4
1,400	48.2	60.9	67.2	77.9	82.8	83.2	86.4
1,200	48.2	60.9	67.2	77.9	82.8	83.2	86.8
1,000	48.2	60.9	67.2	77.9	82.8	83.2	86.8
900	48.2	60.9	67.2	77.9	82.8	83.2	86.8
800	48.2	61.1	67.4	78.1	83.0	83.4	87.0
700	48.2	61.1	67.4	78.1	83.0	83.4	87.0
600	48.2	61.1	67.4	78.1	83.0	83.4	87.0
500	48.2	61.1	67.4	78.1	83.0	83.4	87.0
450	48.2	61.1	67.4	78.1	83.0	83.4	87.0
400	48.2	61.1	67.4	78.1	83.0	83.4	87.0
350	48.2	61.1	67.4	78.1	83.0	83.4	87.0
300	48.2	61.1	67.4	78.1	83.0	83.4	87.0
250	48.2	61.1	67.4	78.1	83.0	83.4	87.0
200	48.2	61.1	67.4	78.1	83.0	83.4	87.0
150	48.2	61.1	67.4	78.1	83.0	83.4	87.0
100	48.2	61.1	67.4	78.1	83.0	83.4	87.0
50	48.2	61.1	67.4	78.1	83.0	83.4	87.0
0	48.2	61.1	67.4	78.1	83.0	83.4	87.0

CEILING (FEET) OR (METERS)	GE 2	GE 1	GE 1/2	GE 1/4	GE 1/8	GE 0
GT 19,000	21.7	21.7	21.7	21.7	21.7	21.7
19,000	25.3	25.3	25.3	26.1	26.1	26.1
18,000	25.9	25.9	25.9	26.7	26.7	26.7
17,000	25.9	25.9	25.9	26.7	26.7	26.7
16,000	26.7	26.7	26.7	27.5	27.5	27.5
15,000	28.3	28.3	28.3	29.1	29.1	29.1
14,000	29.6	29.6	29.6	30.4	30.4	30.4
13,000	31.8	31.8	31.8	32.6	32.6	32.6
12,000	35.6	35.6	35.6	36.4	36.4	36.4
11,000	37.2	37.2	37.2	38.5	38.7	38.7
10,000	38.1	38.1	38.1	39.3	39.5	39.5
9,000	39.9	39.9	39.9	41.1	41.3	41.3
8,000	40.5	41.1	41.1	42.3	42.5	42.5
7,000	46.4	47.0	47.0	48.4	48.6	48.6
6,000	48.2	48.8	48.8	50.2	50.4	50.4
5,000	62.6	63.8	63.8	65.4	65.6	65.8
4,000	69.6	71.3	71.5	73.1	73.3	73.7
3,500	78.7	80.4	80.6	82.4	82.6	83.2
3,000	79.6	81.4	81.6	83.4	83.6	84.0
2,500	82.8	84.6	84.8	86.6	86.8	87.2
2,000	85.8	87.7	87.9	89.9	90.1	90.5
1,800	85.8	87.7	87.9	90.9	91.1	91.9
1,600	86.4	88.7	89.1	92.1	92.3	93.1
1,400	86.4	88.7	89.1	92.1	92.3	93.1
1,200	86.8	89.1	89.5	92.9	93.1	93.9
1,000	86.8	89.1	89.5	92.9	93.1	94.1
900	86.8	89.5	89.9	93.3	93.5	94.5
800	87.0	89.7	90.1	93.9	94.1	95.1
700	87.0	89.7	90.1	93.9	94.1	95.7
600	87.0	89.7	90.1	93.9	94.1	95.7
500	87.0	89.7	90.1	93.9	94.1	95.7
450	87.0	89.7	90.1	93.9	94.1	95.7
400	87.0	89.7	90.1	93.9	94.1	95.7
350	87.0	89.7	90.1	93.9	94.1	95.7
300	87.0	89.7	90.1	93.9	94.1	95.7
250	87.0	89.7	90.1	93.9	94.1	95.7
200	87.0	89.7	90.1	93.9	94.1	95.7
150	87.0	89.7	90.1	93.9	94.1	95.7
100	87.0	89.7	90.1	93.9	94.1	95.7
50	87.0	89.7	90.1	93.9	94.1	95.7
0	87.0	89.7	90.1	93.9	94.1	95.7

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 DATA NOT AVAILABLE
   b. Extreme minimum temperature DATA NOT AVAILABLE

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

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

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

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

Continued on Reverse

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

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

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

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

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

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

1 6265 BAD KREUZNACH DL 60-70, 73-83
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
≥ 95	-	-	-	-	-	-	.2	.7	-	-	-	-	.1
≥ 90	-	-	-	-	-	.5	1.5	5.5	3.1	.5	-	-	.9
≥ 85	-	-	-	-	.2	1.4	6.6	16.1	10.7	2.5	-	-	3.0
≥ 80	-	-	-	-	1.4	7.6	22.0	32.9	26.6	7.0	.2	-	7.9
≥ 75	-	-	-	-	3.5	16.9	43.7	49.7	47.5	19.5	2.1	-	14.9
≥ 70	-	-	-	.8	11.2	32.1	64.6	71.6	72.9	42.6	7.3	-	24.7
≥ 65	-	-	-	2.4	21.8	55.2	83.4	90.5	92.4	67.9	19.3	.5	35.5
≥ 60	-	-	1.0	11.1	41.9	76.9	93.9	99.5	100.0	92.0	37.7	3.7	1.1	46.1
≥ 55	-	2.1	2.9	23.5	60.4	94.5	98.8	100.0	-	99.2	67.2	15.0	4.6	55.5
≥ 50	-	8.7	15.4	47.2	80.1	98.4	99.8	-	-	100.0	86.9	32.1	11.7	65.3
≥ 45	-	23.4	30.3	75.3	96.0	99.8	100.0	-	-	-	96.8	61.5	26.6	76.3
≥ 40	-	40.8	56.7	90.9	99.3	-	-	-	-	-	99.4	80.6	45.7	84.9
≥ 35	-	66.3	81.9	98.6	100.0	100.0	-	-	-	-	100.0	93.9	72.3	93.0
≥ 30	-	82.8	96.6	100.0	-	-	-	-	-	-	-	99.5	90.8	97.5
≥ 25	-	93.6	99.0	-	-	-	-	-	-	-	-	100.0	97.3	99.2
≥ 20	-	98.2	100.0	-	-	-	-	-	-	-	-	-	99.2	99.8
≥ 15	-	100.0	-	-	-	-	-	-	-	-	-	-	100.0	100.0
≥ 10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ 0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
≥ -60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	37.9	41.1	49.5	57.8	66.2	72.8	75.4	74.8	68.5	57.8	46.4	39.4	57.3
S D	8.332	7.178	7.664	8.895	8.349	8.043	8.340	7.421	7.009	7.614	7.430	8.113	15.538
TOTAL OBS	436	409	494	427	433	410	398	421	399	467	408	368	5070

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

176265 (STATION) BAD KREUZNACH DL (STATION NAME) 60-70, 73-83 (YEARS)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70					.2.	1.5.	2.3.						.3
65					.5.	7.1.	14.3.	5.0.	1.0.				2.2
60					6.2.	37.6.	50.3.	39.9.	11.0.	1.9.	.2.		11.9
55			1.2.	3.0.	25.6.	72.7.	85.9.	74.6.	37.6.	11.8.	2.7.	.8.	25.7
50	1.4.	.2.	4.3.	16.4.	61.2.	94.4.	99.0.	95.7.	67.2.	33.4.	8.6.	3.8.	39.8
45	6.2.	5.9.	15.8.	40.0.	85.3.	99.0.	100.0.	99.8.	86.2.	59.1.	25.2.	11.1.	52.4
40	17.9.	15.4.	38.5.	67.7.	95.6.	100.0.		100.0.	95.5.	81.8.	49.9.	23.1.	65.2
35	42.7.	41.6.	66.0.	90.6.	99.8.				99.5.	93.4.	72.3.	47.6.	79.5
33	54.6.	50.6.	74.9.	95.1.	100.0.				100.0.	96.1.	81.4.	59.8.	84.5
30	67.2.	65.3.	86.8.	98.1.						98.7.	90.7.	71.7.	90.0
25	79.8.	85.6.	94.1.	100.0.						100.0.	97.5.	84.5.	95.2
20	88.3.	93.4.	98.6.								99.5.	92.4.	97.7
15	94.3.	97.1.	99.2.								100.0.	97.8.	99.0
10	96.8.	97.3.	99.6.									99.7.	99.4
5	98.9.	98.8.	100.0.									100.0.	99.8
0	99.3.	99.8.											99.9
-5	99.8.	100.0.											100.0
-10	100.0.												100.0
MEAN	31.7.	32.0.	37.3.	42.8.	50.6.	57.6.	59.5.	57.7.	51.7.	45.8.	39.0.	33.6.	44.9
S D	9.676	8.341	7.547	6.257	5.754	5.172	4.811	4.780	6.410	7.072	7.558	8.848	12.362
TOTAL OBS.	436	409	494	427	433	410	398	421	399	467	404	368	5070

USAFETAC FORM 0-21.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

10626S BAD KREUZNACH DL 67-72, 73-83
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					.2	.7	3.0	.7					.4
75					.7	6.6	14.6	6.4	.8				3.3
70				.2	4.8	27.1	36.9	27.6	5.8	.2			8.3
65				1.6	16.9	56.6	68.1	64.1	23.8	2.6			18.9
60			.4	8.9	42.7	83.7	93.0	92.4	52.9	12.6	.5		31.5
55		.2	5.1	30.2	74.6	96.6	100.0	99.8	86.0	37.0	5.6	1.9	44.1
50	2.8	4.2	17.2	56.0	94.7	99.3		100.0	98.0	63.2	19.1	6.0	54.7
45	12.8	13.9	47.2	78.2	98.6	100.0			100.0	87.6	42.2	17.7	66.7
40	30.0	34.5	73.7	96.7	99.8					97.9	67.9	36.7	78.5
35	58.3	64.1	90.5	100.0	100.0					100.0	87.5	62.8	88.9
30	75.5	86.1	98.2								97.8	80.2	95.0
25	88.1	96.6	99.4								99.8	94.0	98.2
20	94.7	97.3	100.0								100.0	97.8	99.2
15	97.9	99.5										99.5	99.7
10	99.1	100.0										100.0	99.9
5	100.0												100.0
MEAN	35.0	36.9	43.6	50.5	58.7	65.5	67.7	66.5	60.4	52.1	43.0	36.8	51.4
S D	8.792	7.286	6.631	6.623	6.199	6.020	5.897	5.109	5.480	6.494	7.184	8.232	13.381
TOTAL OBS	436	409	494	427	433	410	398	421	399	467	408	368	5070

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6265 — STATION
BAD KREUZNACH DL — STATION NAME
74-83 — YEARS
JAN — MONTH

PAGE 1
0000-0800 — 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
56/ 55				•2														2	2		
54/ 53				•3														2	2		
52/ 51				•3	•3													5	5	1	
50/ 49			•5	•7	•5													7	7	3	
48/ 47		2.7	1.7	•2														19	19	10	1
46/ 45		3.2	•7	•5														18	18	22	13
44/ 43	•2	3.0	3.5															27	27	20	13
42/ 41		5.7	2.8	•2														32	32	17	24
40/ 39		5.7	•7	•5														28	28	32	20
38/ 37	•2	8.1	•5															44	44	39	24
36/ 35	2.0	8.4	2.0	•2														51	51	48	37
34/ 33	2.8	5.2	1.5															35	35	60	44
32/ 31	•7	4.0	•2															20	20	34	49
30/ 29	•5	3.2																15	15	17	36
28/ 27	5.7	2.2																32	32	31	42
26/ 25	1.2	•7																8	8	14	29
24/ 23	1.0	1.2																9	9	7	7
22/ 21	1.5																	6	6	13	16
20/ 19	2.7	1.5																17	17	11	6
18/ 17	1.5																	6	6	12	11
16/ 15	•5	•5																4	4	4	5
14/ 13	•5																	2	2	2	5
12/ 11	•5																	2	2	2	8
10/ 9	•7																	3	4	3	3
8/ 7	•7																	3	3	3	2
6/ 5	1.2																	5	5	5	4
4/ 3																					1
2/ 1	•2																	1	1	1	3
-2/ -3	•2																	1	1	1	1
-4/ -5	•2																	1	1	1	1
TOTAL	26.2	55.8	15.1	3.0														405	406		405
																		405		405	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3035565	34855	86.1	9.424	405							
Dry Bulb	519408	13920	34.3	10.202	406	•5	31.2					93
Wet Bulb	472348	13304	32.8	9.350	405	•5	35.1					93
Dew Point	408811	12327	30.4	9.122	405	•5	52.6					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

1 [illegible]265 BAD KREUZNACH DL 74-83 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 0[illegible]-11 7
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
[illegible]				.5														7	3		
[illegible]			.5	.2	.2													5	5		
[illegible]		.2	1.3	.2	.2													11	11		
[illegible]		.3	1.1	.3	.2													14	12	7	
49/ 47		1.5	2.8	1.0	.2													33	33	12	1
47/ 45		3.4	1.6	.7														35	35	4[illegible]	17
44/ 43	.8	7.1	3.6	.5														49	49	41	21
42/ 41		4.9	2.4															45	45	12	44
41/ 39	.3	4.6	1.6	.3														42	42	49	32
38/ 37	1.0	5.9	3.1	.2														62	62	4[illegible]	38
36/ 35	2.4	7.3	2.3	.3														76	76	56	61
34/ 33	1.5	4.4	1.6															46	46	53	61
32/ 31	1.[illegible]	3.6																28	28	45	63
30/ 29	.5	4.6																31	31	37	50
28/ 27	3.3	2.4	.2															36	36	35	69
26/ 25	1.1	1.3																15	15	17	47
24/ 23	1.8	.7																19	15	19	16
22/ 21	2.1	.5	.2															17	17	1[illegible]	23
20/ 19	2.[illegible]	.7	.2															17	17	15	7
18/ 17	.8	.3																7	7	12	16
16/ 15	.3	.3																4	4	5	12
14/ 13	.3																	2	2	2	6
12/ 11	.7																	4	4	4	5
10/ 9	1.0																	6	6	6	10
8/ 7	.[illegible]	.2																2	2	1	3
6/ 5	.7	.2																5	5	5	1
4/ 3	.3																	2	2	3	1
2/ 1	.3																	2	2	2	3
0/ -1	.3																	2	2	2	6
-2/ -3																					1
-4/ -5	.2																	1	1	1	1
TOTAL	22.8	5[illegible]	122.4	9.1	.7													615	[illegible]15	615	615

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.	4408564	51674	84.0	10.430	615							
Dry Bulb	819516	21556	35.1	[illegible].237	615	.5	29.6					93
Wet Bulb	734737	20868	33.3	9.337	615	.5	34.3					93
Dew Point	623457	18753	30.5	9.170	615	1.2	51.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] BAD KREUZNACH DE — STATION / STATION NAME
74-83 — YEARS
JAN — 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
[illegible]			.2			.2												2	2		
56/ 55				.2	.2													8	8		
54/ 53			.5	.5	.2													8	8	2	
52/ 51		.2	1.3	.7														13	13		.2
50/ 49		.7	2.5	1.2														26	26	11	
48/ 47		1.0	3.1	1.2	.2													39	39	26	1
46/ 45	.3	1.2	3.8	2.5														47	47	41	23
44/ 43	.3	1.7	5.5	1.7														55	55	35	21
42/ 41	.3	2.5	3.1	.5														39	39	46	38
40/ 39		5.6	5.1	.5														68	68	51	33
38/ 37	.5	5.0	4.3	.5														62	62	62	41
36/ 35	.5	3.8	2.8	.8														48	48	65	59
34/ 33	.8	3.5	1.5															75	35	82	66
32/ 31	.7	3.6	.5															29	29	41	59
30/ 29	.5	3.3																23	23	35	64
28/ 27	1.3	3.1	.5															33	33	28	62
26/ 25	1.7	2.3																24	24	19	43
24/ 23	.3	.8																7	7	16	23
22/ 21	.7	1.3																10	10	9	14
20/ 19	.8	.3																7	7	11	10
18/ 17	.7	.3																6	6	7	10
16/ 15		.8																5	5	4	13
14/ 13		.7																4	4	5	6
12/ 11		.3																2	2	2	3
10/ 9		.5																3	3	3	3
8/ 7		.2																1	1	1	3
6/ 5																				1	2
4/ 3																					2
2/ 1																					2
0/ -1																					2
TOTAL	9.9	43.3	34.9	10.7	1.0	.2												605	505	605	605

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.	3804610	47536	78.6	10.736	605							
Dry Bulb	910139	22809	37.7	9.119	605		23.7					93
Wet Bulb	789485	21289	35.2	8.174	605		28.3					93
Dew Point	638706	18990	31.4	8.402	605	.3	49.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6265 BAD KREUZNACH DL 74-63 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1700
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
100/ 97			.5			.7												5	5		
96/ 95			.5	.8	.2													8	9		
94/ 93			.3	.7	.2													7	7	3	
92/ 91			1.8	.7														15	15	3	3
90/ 89		1.0	2.0	1.0	.2													33	32	14	
88/ 87		.3	2.7	1.2	.3													29	29	32	4
86/ 85		1.7	5.1	3.0	.2													59	59	71	25
84/ 83		2.0	3.2	2.7														47	47	24	19
82/ 81		3.4	3.9	.3														45	45	61	32
80/ 79	.2	5.8	4.6	.5														65	65	49	35
78/ 77	.7	5.1	4.4	.3														62	62	67	43
76/ 75	.3	5.1	3.2	.2														61	61	61	59
74/ 73		2.7	2.7															32	32	78	61
72/ 71	.3	3.7																24	24	36	67
70/ 69	.5	3.6	.5															27	27	32	57
68/ 67	2.7	2.2	1.0															35	35	34	72
66/ 65		1.9																11	11	12	32
64/ 63	.3	.8																7	7	16	17
62/ 61	.5	1.0																9	9	9	10
60/ 59	.5	1.0	.2															10	12	9	10
58/ 57		.5	.2															4	4	6	12
56/ 55		.7																4	4	9	12
54/ 53		.3																2	2	2	2
52/ 51		.3																2	2	2	5
50/ 49																					8
48/ 47																					4
46/ 45																					2
TOTAL	6.1	43.7	36.7	12.2	1.0	.3													591		591
																		591		591	

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.	3609131	45773	77.5	10.416	591							
Dry Bulb	917735	22715	38.4	8.703	591		21.2					93
Wet Bulb	791542	21130	35.8	7.820	591		26.4					93
Dew Point	635701	18771	31.8	8.183	591		48.8					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

1[illegible]265 STATION | LAD KREUZNACH DI STATION NAME | 74-83 YEARS | FEB MONTH

PAGE 1 | 0650-0850 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
[illegible]/ 51				.[illegible]														2	2		
[illegible]/ 49			.2	.8														6	6		
[illegible]/ 47		.3	.5	.3														4	4	3	
46/ 45		1.9	2.9	.3														19	19	7	2
[illegible]/ 43		1.6	.3															7	7	11	2
[illegible]/ 41	.5	4.3	1.1															24	24	2[illegible]	15
[illegible]/ 39	.3	5.3	.9	.5														26	26	19	19
[illegible]/ 37	3.4	6.9	1.6															45	45	36	34
[illegible]/ 35	1.6	6.3	1.3															35	35	37	29
34/ 33	1.9	5.8	1.6															35	35	52	35
[illegible]/ 31	.5	6.3	.5															28	28	37	31
[illegible]/ 29	1.3	10.1																43	43	45	36
28/ 27	9.5	5.6	.3															58	58	56	67
[illegible]/ 25	1.9	2.4																16	16	19	44
[illegible]/ 23	1.9	1.1																11	11	15	26
[illegible]/ 21	.8	.8																6	6	5	15
[illegible]/ 19	.5	.5																4	4	5	5
[illegible]/ 17	1.9	.5																9	9	9	5
[illegible]/ 15																				[illegible]	3
14/ 13																					5
[illegible]/ [illegible]																					2
TOTAL	25.96	2.11	1.6	2.4															378		378
																		378		378	

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.	2898846	32908	87.[illegible]	9.[illegible]14	378							
Dry Bulb	442559	12667	33.5	6.925	378		38.9					84
Wet Bulb	407056	12174	32.2	6.303	378		42.9					84
Dew Point	354434	11318	29.9	6.423	378		53.8					84

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

[illegible] STATION | BAD KREUZNACH DE STATION NAME | 74-87 YEARS | FEB MONTH

PAGE 1 | 0000-1100 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
[illegible] / 57						•												1	1		
58 / 53					•													2	2		
57 / 51			•	1.2	•													10	10		
52 / 49			1.1	•	•													10	10		
48 / 47		•	•	•														10	11	6	
46 / 45		•	3.	•														20	20	12	
44 / 43		1.8	1.2															17	17	23	0
42 / 41	•	4.4	2.3	•														42	42	37	25
40 / 39	•	6.2	2.8	•														54	54	27	29
38 / 37	2.8	6.2	3.2	1.2														71	71	56	46
36 / 35	•	8.4	4.4															76	76	69	51
34 / 33	1.4	5.3	2.	•														60	60	63	53
32 / 31	1.1	6.4	1.2															49	49	76	55
30 / 29	1.4	8.2	•															57	57	62	59
28 / 27	3.	5.5	•															51	51	54	99
26 / 25	•	1.1	•															14	14	21	47
24 / 23	1.2	•	•															12	12	14	48
22 / 21	•	•																3	3	7	14
20 / 19	•																	2	2	5	11
18 / 17	•																	2	2	2	4
16 / 15																					1
14 / 13																					6
12 / 11																					1
[illegible] / 9																					2
TOTAL	13.3	56.8	24.6	4.4	.7	.2												562	562	562	562

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.	3864171	46185	82.2	11.258	562							
Dry Bulb	738177	20029	35.6	6.599	562		28.8					84
Wet Bulb	656484	18924	33.7	5.960	562		36.3					84
Dew Point	544422	17142	30.5	6.199	562		52.2					84

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1[illegible]26[illegible] BAD KREUZNACH DL 74-83 [illegible]
STATION STATION NAME YEARS MONTH

PAGE [illegible] 12[illegible]-14[illegible]
HOURS (L. S. T.)

Temp (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
[illegible]/ 61								.[illegible]										1	1		
[illegible]/ 59							.4											[illegible]	[illegible]		
[illegible]/ 57						.[illegible]	.2											[illegible]	[illegible]		
[illegible]/ 55				.2	.2													[illegible]	[illegible]		
[illegible]/ 53			.[illegible]	.2	.[illegible]													[illegible]	[illegible]		
[illegible]/ 51			1.2	2.[illegible]	.[illegible]	.2												24	24		
[illegible]/ 49			1.4	.[illegible]	.[illegible]													16	16	5	
[illegible]/ 47		.7	1.2	2.5	.5													28	28	15	
[illegible]/ 45		1.2	3.2	2.[illegible]	.4	.2												[illegible]	[illegible]	29	2
[illegible]/ 43		1.4	3.2	3.6	.7	.2												51	51	33	12
[illegible]/ 41	.2	5.7	3.2	3.[illegible]	.7	.2												73	73	46	[illegible]
[illegible]/ 39	.2	4.6	3.4	2.[illegible]														59	59	52	[illegible]
[illegible]/ 37	1.2	4.8	3.6	1.4														62	62	69	[illegible]
[illegible]/ 35	.7	4.8	4.5	.7	.2													61	61	76	62
[illegible]/ 33	.5	3.6	2.7	.2	.4													41	41	[illegible]2	40
[illegible]/ 31	.4	3.4	2.[illegible]	.2	.2													34	34	59	46
[illegible]/ 29	.5	5.2	.9	.4														39	39	44	65
[illegible]/ 27	1.2	2.1	.2	.2														21	21	32	[illegible]
[illegible]/ 25	.4																	[illegible]	[illegible]	15	49
[illegible]/ 23																				1	47
[illegible]/ 21																					1[illegible]
[illegible]/ 19																					7
[illegible]/ 17																					1
16/ 15																					[illegible]
14/ 13																					1
12/ 11																					1
[illegible]/ 9																					[illegible]
[illegible]/ 7																					1
TOTAL	5.4	37.7	30.9	19.6	4.8	.9	.5	.2											561		56[illegible]
																		560		560	

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.	3162289	41371	73.9	13.766	56[illegible]							
Dry Bulb	889914	22[illegible]18	39.3	6.581	56[illegible]		14.4					64
Wet Bulb	746809	20211	36.1	5.575	56[illegible]		22.7					84
Dew Point	567600	17474	31.2	6.323	56[illegible]		48.9					[illegible]

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

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] AD KRESLACH DE STATION NAME | 74-87 YEARS | [illegible] MONTH

[illegible] 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
[illegible] / 80						•[illegible]												[illegible]	[illegible]		
[illegible] / 77					•													[illegible]	[illegible]		
[illegible] / 75					•7	•[illegible]												6	6		
[illegible] / 73				•[illegible]	•7	1.[illegible]	•5											17	17		
[illegible] / 71				•5	•[illegible]	1.[illegible]												14	14	5	
[illegible] / 69				•9	1.6	1.1	•4											[illegible]	[illegible]	13	
[illegible] / 67			[illegible].4	1.4	•[illegible]	•4												[illegible]	[illegible]	7	[illegible]
66 / 65		1.6	[illegible].[illegible]	3.4	[illegible].[illegible]	•2												[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 63		1.6	3.2	2.3	[illegible].													[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 61		4.3	3.3	2.5	•[illegible]	•2												[illegible]	65	47	[illegible]
60 / 59	•5	4.5	3.2	2.3	•[illegible]													[illegible]	62	[illegible]	46
[illegible] / 57	1.8	[illegible].[illegible]	[illegible].[illegible]	1.6		•[illegible]												[illegible]	55	[illegible]	[illegible]
[illegible] / 55		[illegible].[illegible]	5.6	•[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 53	•4	2.5	1.[illegible]		•[illegible]													[illegible]	[illegible]	[illegible]	47
[illegible] / 51	•2	[illegible].[illegible]	1.4		•[illegible]													[illegible]	[illegible]	40	[illegible]
[illegible] / 49	•2	4.5	•5															[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 47	1.1	•4																[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 45																				[illegible]	[illegible]
[illegible] / 43																					[illegible]
[illegible] / 41																					[illegible]
[illegible] / 39																					[illegible]
[illegible] / 37																					[illegible]
[illegible] / 35																					[illegible]
[illegible] / 33																					[illegible]
[illegible] / 31																					[illegible]
[illegible] / 29																					[illegible]
[illegible] / 27																					[illegible]
[illegible] / 25																					[illegible]
[illegible] / 23																					[illegible]
[illegible] / 21																					[illegible]
[illegible] / 19																					[illegible]
[illegible] / 17																					[illegible]
[illegible] / 15																					[illegible]
[illegible] / [illegible]																					[illegible]
[illegible] / [illegible]																					[illegible]
TOTAL	[illegible].1	32.8	31.4	18.5	[illegible].[illegible]	2.7													[illegible]		557
																		557		557	

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.	[illegible] 16458	40168	72.1	[illegible].676	557							
Dry Bulb	946677	22677	40.7	6.492	557		9.4					84
Wet Bulb	763122	20866	37.1	5.425	557		16.1					84
Dew Point	587937	17737	31.8	6.449	557		45.1					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] STATION NAME: [illegible] YEARS: [illegible] MONTH: [illegible]

HOURS: [illegible]

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
[illegible]					[illegible]																
[illegible]			[illegible]																		
[illegible]			[illegible]																		
[illegible]		[illegible]	1.[illegible]	1.[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	
[illegible]			[illegible]	[illegible]	[illegible]																
[illegible]		1.[illegible]	1.[illegible]																		
[illegible]		1.[illegible]	1.[illegible]	[illegible]														[illegible]	[illegible]		
[illegible]		[illegible]	1.[illegible]	[illegible]														[illegible]	[illegible]		
[illegible]	.7	8.4	3.6	.5	[illegible]													[illegible]	[illegible]	[illegible]	
[illegible]	.2	8.1	4.5	.2														[illegible]	[illegible]	[illegible]	
[illegible]	.7	5.3	1.7	1.															[illegible]	[illegible]	
[illegible]	.7	7.7	3.1															[illegible]	[illegible]	[illegible]	
[illegible]	.5	7.[illegible]	2.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1.	6.5	1.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	2.6	3.3	1.															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.7	3.6																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	.2	2.9	.5	.2														[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	1.2	.2	.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		1.																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		.[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		1.[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	.5																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]																				[illegible]	
[illegible]																					
[illegible]																					
TOTAL	9.16[illegible]	2.92	3.[illegible]	4.1	1.[illegible]													415	[illegible]	[illegible]	[illegible]

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.	2[illegible]7266	35[illegible]14	83.8	9.756	418							
Dry Bulb	696846	16798	4[illegible].2	7.229	418		12.2					
Wet Bulb	629392	15[illegible]72	38.2	6.767	418		15.1					
Dew Point	549717	14[illegible]49	35.5	7.300	418		31.8					9[illegible]

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A F WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] STATION NAME | [illegible] YEARS | MAR MONTH

PAGE 1 [illegible] 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
[illegible] / 03					.1	.3												4	4		
[illegible] / 01				.6														4	4		
[illegible] / 59			.1	.2	.1	.2												-	-		
[illegible] / 57		.1	.3	.2	.3	.2												15	15		
[illegible] / 55			.2	1.2	1.1													26	26	21	
[illegible] / 53		.3	.4	.2	.1													10	13	4	3
[illegible] / 51		.9	1.2	1.1	.3	.2												27	27	15	2
[illegible] / 49		.2	1.4	.5														16	16	35	.1
[illegible] / 47		1.7	3.3	1.0	.5	.3												49	49	50	17
[illegible] / 45	.5	5.7	11.5	3.1	.2													136	136	48	36
[illegible] / 43	.2	2.6	4.2	2.1														57	57	67	41
[illegible] / 41	.3	5.9	5.7	1.6														87	87	94	53
[illegible] / 39	.2	5.3	3.9	.8	.3													67	67	75	7.
[illegible] / 37	.9	3.9	2.3	.2														47	47	89	66
[illegible] / 35	.2	3.9	.8	.6	.2													34	34	43	65
[illegible] / 33	.6	1.7	1.4	.3														26	26	53	77
[illegible] / 31	.2	.8		.3														9	9	21	61
[illegible] / 29	.3	1.2																13	13	17	46
[illegible] / 27		.3																2	2	11	58
[illegible] / 25		.2																1	1	2	18
[illegible] / 23		.6																4	4	3	.5
[illegible] / 21	.2																	1	1	2	5
[illegible] / 19																					1
[illegible] / 17																					1
[illegible] / 13																					1
[illegible] / 11																					1
TOTAL	.435.6	.716.5	5.[illegible]	.9														644	644	644	644

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.	[illegible]1521	48941	76.3	11.212	644							
Dry Bulb	1248973	28007	43.5	6.940	644		7.9					93
Wet Bulb	1167856	25924	40.3	6.147	644		7.8					93
Dew Point	870243	23261	36.1	6.338	644		27.6					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

[illegible] STATION | RAD KREUZNACH DL STATION NAME | 74-3[illegible] YEARS | MAY MONTH

FAC[illegible] | 12 0-14[illegible] 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
[illegible]/ 67								.[illegible]										1	1		
[illegible]/ 65					.[illegible]	.2												[illegible]	[illegible]		
[illegible]/ 63				.2	.[illegible]	1.4	.[illegible]	.[illegible]										15	15		
[illegible]/ 61				.3	1.[illegible]	.5		.[illegible]	.2									17	17		
[illegible]/ 59			.[illegible]	.[illegible]	2.[illegible]	1.1	.5	.[illegible]										37	37		
[illegible]/ 57			.5	1.7	2.[illegible]	1.1	.3											38	38	5	
[illegible]/ 55			.2	.9	1.1	.6	.5											[illegible]1	31	7	
[illegible]/ 53		.2	.9	.8	[illegible]	.3	.3	.[illegible]										33	33	37	[illegible]
[illegible]/ 51		.2	1.1	1.6	1.1	.3	.[illegible]											28	28	26	[illegible]
[illegible]/ 49		.3	3.[illegible]	2.4	1.3	.2												45	45	38	[illegible]
[illegible]/ 47		.9	5.2	3.5	2.4	.5	.2											[illegible]0	80	50	14
[illegible]/ 45		3.8	6.9	6.9	2.[illegible]	.2	.2											127	127	82	53
[illegible]/ 43		1.1	3.5	2.[illegible]	.5	.3												47	47	[illegible]	46
[illegible]/ 41		2.5	3.9	2.5	.[illegible]	.3												[illegible]4	64	[illegible]	64
[illegible]/ 39		1.9	1.7	.6	.[illegible]													28	28	[illegible]	67
[illegible]/ 37		1.9	1.4	.3	.[illegible]													24	24	59	52
[illegible]/ 35	.[illegible]	1.4	1.4	.2	.[illegible]													[illegible]1	21	41	76
[illegible]/ 33		.5	.5	.2														7	7	27	64
[illegible]/ 31	.3																	2	2	13	61
[illegible]/ 29																				[illegible]	[illegible]
[illegible]/ 27																				[illegible]	35
[illegible]/ 25																					14
[illegible]/ 23																					1[illegible]
[illegible]/ 21																					7
[illegible]/ 19																					7
[illegible]/ 17																					[illegible]
14/ 13																					1
1[illegible]/ 11																					[illegible]
[illegible]/ 9																					1
TOTAL	.5	14.6	30.5	24.8	19.3	6.9	2.4	.9	.2										637		637
																		637		637	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	2860028	41784	65.6	17.691	637							
Dry Bulb	1496[illegible]97	30525	47.9	7.24[illegible]	637		.[illegible]	.1				93
Wet Bulb	1185941	27226	42.7	5.918	637		3.6					93
Dew Point	872158	23157	36.3	6.963	637		27.0					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 265 — STATION
LAC KREUZNACH DL — STATION NAME
74-83 — YEARS
MAR — MONTH

PAGE 1 — HOURS (L. S. T.) 1[illegible]-17[illegible]

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
[illegible]/ 71									.2									2	2		
[illegible]/ 69									.2									2	1		
[illegible]/ 67						.2		.2										4	4		
[illegible]/ 65						.3	.2											3	3		
[illegible]/ 63					.5	2.7	.3	.5	.3	.2								23	23		
[illegible]/ 61					1.[illegible]	.8	.2		.2									18	18		
[illegible]/ 59			.3	.8	1.5	1.9	1.1		.3									40	40		
[illegible]/ 57			.5	.5	1.5	1.2	.2	.5										30	30	1	
[illegible]/ 55		.2	.2	1.5	1.5	1.3	.3	.5										33	33	21	
[illegible]/ 53			.3	.3	1.3	1.[illegible]												15	15	41	3
[illegible]/ 51			3.4	2.9	2.9		.2											56	58	12	3
[illegible]/ 49	.2	.2	1.8	2.4	1.[illegible]	.8												39	39	42	4
[illegible]/ 47		.6	4.5	3.7	3.4	1.[illegible]	.2											93	93	63	18
[illegible]/ 45	.2	4.[illegible]	5.8	4.2	3.1	1.1	.6											118	118	89	45
[illegible]/ 43	.2	1.6	1.8	3.1	1.1	.6												52	52	83	29
[illegible]/ 41	.2	1.3	3.1	1.[illegible]	.6	.2												39	39	7[illegible]	93
[illegible]/ 39		1.9	1.3	1.[illegible]	.5	.3												31	31	71	7[illegible]
[illegible]/ 37		1.[illegible]	1.3															14	14	56	6[illegible]
[illegible]/ 35		1.[illegible]	.2															7	7	77	56
[illegible]/ 33																				25	49
[illegible]/ 31		.2																1	1	6	48
[illegible]/ 29																				[illegible]	39
[illegible]/ 27																					32
[illegible]/ 25																					21
[illegible]/ 23																					17
[illegible]/ 21																					9
[illegible]/ 19																					4
[illegible]/ 17																					5
[illegible]/ 15																					4
[illegible]/ 9																					2
TOTAL	.6	12.0	24.9	21.3	2[illegible].5	14.1	3.2	1.9	1.3	.2								619	619	619	619

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.	2551392	38586	62.3	15.375	619							
Dry Bulb	1549382	30642	49.5	7.255	619		.2	1.1				93
Wet Bulb	1195107	26965	43.6	5.753	619		1.2					93
Dew Point	848834	22468	36.3	7.341	619		27.2					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] BAD KREUZNACH DL 74-[illegible]
STATION STATION NAME YEARS

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
[illegible]/ 57			[illegible]	.2		[illegible]															
56/ 55		.5	.5	1.2																	
54/ 53		.5	1.7	.7	.2																
[illegible]/ 51		[illegible]	2.6	.5	.2	.2															
[illegible]/ 49		1.9	3.[illegible]	1.4																	
48/ 47		2.4	1.9	1.9	[illegible]																
[illegible]/ 4[illegible]	.7	6.7	9.9	2.2	[illegible]																
44/ 43		3.4	7.5	1.2																	
[illegible]/ 41		3.8	3.3	1.2																	
[illegible]/ 39	.2	6.7	6.[illegible]	1.[illegible]																	
[illegible]/ 37	.2	4.3	2.9	.2																	
36/ 35	1.[illegible]	3.6	1.7																		
34/ 33		2.6	.5																		
32/ 31		1.[illegible]																			
[illegible]/ 29																					
[illegible]/ 27		.2																			
[illegible]/ 25																					
24/ 23																					
TOTAL	[illegible].24	.443.5	11.8	1.7	.5														[illegible]		[illegible]

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.	2544311	32259	77.5	10.116	416							
Dry Bulb	807595	18169	43.7	5.820	416		1.1					[illegible]
Wet Bulb	702084	16947	40.7	5.437	416		3.[illegible]					[illegible]
Dew Point	582783	15359	36.9	6.154	416		24.2					[illegible]

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

2

PSYCHROMETRIC SUMMARY

YEARS

APR
MONTH

PAGE 1

[illegible]-11.[illegible]
HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F)	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	1	1		
	6	6		
	14	14		
	19	19		
	35	35		
	37	37	2	
	52	52	9	
	59	59	33	5
	55	55	42	4
	51	51	62	17
	53	53	75	24
	92	92	73	59
	53	53	58	38
	52	52	67	63
	26	26	91	64
	11	11	63	56
	7	7	42	71
			7	58
				62
				41
				46
				1
				4
				1
[illegible]		623		623
	623		623	

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.	2676415	39943	64.1	13.628	623							
Dry Bulb	1567398	30960	49.7	6.809	623			.1				90
Wet Bulb	1228[illegible]70	27448	44.1	5.494	623							90
Dew Point	898647	23317	37.4	6.461	623		23.7					90

USAFETAC FORM 0 26 5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION BAD KREUZNACH DE STATION NAME 74-83 YEARS APR MONTH

PAGE [illegible] 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
[illegible] 75									.2	.2	.2							3	3		
[illegible] 73									.5	.3	.3							7	7		
[illegible] 71								.6	1.3	.2								10	10		
[illegible] 69								.6	.7	.5								10	10		
[illegible] 67					.9	.3	1.		.5	.2								13	13		
[illegible] 65					.2	.7	1.8	1.3	.5	.2								31	31		
[illegible] 63					.8	3.8	2.7	1.7	1.7									53	53		
[illegible] 61				.5	2.6	1.7	1.2	.3	.2									39	39		
[illegible] 59			.2	.9	.7	1.8	1.5	1.5										39	39	4	
[illegible] 57			.3	1.2	2.	2.1	2.	1.2										53	53	18	
[illegible] 55		.3	1.2	1.3	2.1	1.5	1.0	.7										49	49	32	
[illegible] 53			1.0	1.5	2.6	1.2	1.2											45	45	65	5
[illegible] 51		.2	1.2	2.1	1.	1.3	1.2											42	42	5	6
[illegible] 49			.7	2.3	2.8	1.7	.7											45	45	60	13
[illegible] 47		.2	.8	2.3	4.	1.3												52	52	64	26
[illegible] 45		1.5	2.8	4.3	1.5	1.0												65	65	68	62
[illegible] 43		.2	1.3	2.6														25	25	68	47
[illegible] 41		.5	1.2	.5														13	13	66	5
[illegible] 39		1.0	.3															8	8	67	64
[illegible] 37	.3																	2	2	33	57
[illegible] 35	.2																	1	1	0	61
[illegible] 33																					42
[illegible] 31																					73
[illegible] 29																					27
[illegible] 27																					43
[illegible] 25																					16
[illegible] 23																					11
[illegible] 21																					7
[illegible] 19																					1
[illegible] 17																					1
TOTAL	.5	3.8	10.9	18.8	2[illegible].5	18.3	13.1	7.6	4.5	1.5	.5							605	[illegible]5		605
																		605		605	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1869522	32323	53.4	15.388	605							
Dry Bulb	18617[illegible]3	33205	54.9	8.63	605			6.4	1.5			9[illegible]
Wet Bulb	13297[illegible]7	28149	46.5	5.756	605							9[illegible]
Dew Point	864331	22473	37.1	6.996	605		26.6					9[illegible]

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

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 6265 BAD KREUZNACH DE 74-82 APR
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
/ 79											•							1	1		
78/ 77										.4								2	2		
/75									.2	.4								3	3		
74/ 73									.2	1.1	.6							11	11		
/71							.4	.2	.4	.9	.2							13	13		
/69						.4	1.1	.9	1.1	.9	.2							24	24		
/67						.4	.8	.9	2.1	.4	.2							25	25		
66/ 65						.4	.9	.8	1.3									18	18		
/63				.2	.8	2.4	3.6	1.7	1.1	.2								54	54		
62/ 61				.2	1.7	1.1	2.1	1.3	.2									35	35	3	
/59			.2	1.1	.7	.9	1.9	1.1	.2									34	34	7	
/57			.2	.8	.2	1.9	.9	2.4	.2									35	35	21	
/55		.2	.4	.8	3.2	1.5	.6	.4										37	37	21	
54/ 53		.2	.2	.6	1.1	.8	1.9	.2										26	26	67	3
/51		.2	1.1	1.1	1.5	1.3	1.5	.2										37	37	52	6
/49		.2	1.3	1.3	.5	3.1	.6											39	39	37	16
48/ 47		.4	2.6	1.9	2.8	1.1												47	47	64	25
46/ 45		.8	4.7	3.8	1.7													58	58	54	39
/43		.2	.9	.3														10	11	56	32
/41		1.5	1.1	.4														16	16	69	52
/39		.1																6	4	58	58
38/ 37																				21	65
/35	.4																	2	3	2	59
34/ 33																					51
/31																					47
/29																					38
28/ 27																					35
/25																					16
24/ 23																					16
22/ 21																					4
/15																					1
/11																					1
TOTAL	.4	4.7	12.8	12.8	14.9	15.7	16.2	10.9	7.0	3.9	1.3							532	532	532	532

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.	1556412	27794	51.3	17.146	532							
Dry Bulb	1717849	29861	56.1	8.868	532			13.2	2.7	.2		9
Wet Bulb	1192733	24999	47.0	5.825	532							9
Dew Point	749717	19619	36.9	7.026	532		25.9					9

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | [redacted] STATION NAME | 74-83 YEARS | MAY MONTH

PAGE 1 [redacted] 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
[illegible]						.1												[illegible]	2		
[illegible]					.1													[illegible]	1		
[illegible]			.2		.1													2	2	1	
[illegible]			.2	2.7	1.2	.5												14	19	2	
[illegible]			.8	.5	1.5	.8												12	12	1	1
[illegible]		.2	1.7	2.7	1.2	.5												26	26	3	2
[illegible]		.2	1.7	2.7	1.2													24	24	16	2
[illegible]		3.5	3.0	5.9	1.0	.2												55	55	17	4
[illegible]	.2	1.0	6.4	2.5	1.5	.2												48	48	28	14
[illegible]	.5	2.7	7.2	1.7	.2													50	50	42	31
[illegible]	1.5	2.0	5.0	1.7	.7													44	44	50	29
[illegible]		4.0	3.2	1.7	.5	.2												39	39	59	39
[illegible]	.2	4.7	3.0	1.2														37	37	54	36
[illegible]		1.5	2.5	1.0														20	20	27	42
[illegible]		1.2	1.2															10	10	22	46
[illegible]	.5	2.0	.5															12	12	22	31
[illegible]		.5	.2															3	3	15	20
[illegible]																				4	16
[illegible]																				1	9
[illegible]																					1
[illegible]																					4
[illegible]																					1
TOTAL	3.7	23.5	36.6	24.5	8.9	3.5												404	404	404	404

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	≥ 90 F	≥ 93 F	Total
Rel. Hum.	23390.3	30379	75.2	11.648	404							
Dry Bulb	1107479	21405	52.9	6.177	404			.7	.5			93
Wet Bulb	943661	19407	48.0	5.320	404							93
Dew Point	799720	17210	44.1	6.215	404		4.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
1 [illegible]265	BAD KREUZNACH DL	74-83	MAY

PAGE 1 [illegible]-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
[illegible]/ 81							.[illegible]		.[illegible]									2	2		
[illegible]/ 79								.[illegible]										1	1		
78/ 77						.[illegible]			.[illegible]									3	3		
76/ 75						.[illegible]	.2	.[illegible]										4	4		
74/ 73							.2	.[illegible]	.2									6	6		
72/ 71						.5	.7	.[illegible]	.2									10	10		
[illegible]/ 69					.3	.[illegible]	.8		.[illegible]									13	13	1	
[illegible]/ 67					1.[illegible]	.5	1.[illegible]	.[illegible]										23	23	4	
[illegible]/ 65				.5	1.[illegible]	1.2	2.3	.[illegible]										35	35	4	
[illegible]/ 63				1.[illegible]	3.[illegible]	3.[illegible]	1.7	.[illegible]										65	65	2	3
[illegible]/ 61			1.[illegible]	1.3	3.[illegible]	1.5	.[illegible]	.[illegible]										49	49	15	1
[illegible]/ 59		.2	.9	1.3	4.3	2.8	1.3											65	65	25	1
[illegible]/ 57			1.2	3.3	3.3	1.2	.[illegible]											55	55	39	5
[illegible]/ 55		1.5	1.3	3.5	2.5	.5	.2											57	57	57	14
[illegible]/ 53		1.7	3.[illegible]	3.8	2.[illegible]	.5	.[illegible]											67	67	82	29
[illegible]/ 51	.5	2.[illegible]	2.8	1.7	1.7	.2	.[illegible]											55	55	91	4[illegible]
[illegible]/ 49	.2	1.6	1.7	.8	.[illegible]	.2												33	33	98	49
[illegible]/ 47		1.8	1.[illegible]	.5	.5													25	25	[illegible]1	59
[illegible]/ 45		.3	1.[illegible]	1.5	.2													18	18	79	127
44/ 43	.2	.3	1.2	.2														11	11	22	77
42/ 41	.5	.2	.3															6	6	23	65
[illegible]/ 39		.5																3	3	19	35
38/ 37																				6	34
36/ 35																					27
34/ 33																					13
32/ 31																					12
[illegible]/ 29																					5
28/ 27																					[illegible]
26/ 25																					3
TOTAL	1.3	1[illegible].2	15.2	20.5	24.3	14.[illegible]	10.7	2.3	.8										6[illegible]6		6[illegible]6
																		6[illegible]6		6[illegible]6	

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.	2547169	38311	63.2	14.384	606							
Dry Bulb	2[illegible]44465	34917	57.6	7.342	606			9.5	2.5	.3		93
Wet Bulb	1588258	3[illegible]848	5[illegible].9	5.449	6[illegible]6			.5				93
Dew Point	1223963	26973	44.5	6.219	606		3.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible]265 — STATION
BAD KREUZNACH DE — STATION NAME
[illegible] — YEARS
[illegible] — MONTH
[illegible] — HOURS

Temp. (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
[illegible]/ 85								[illegible]	[illegible]												
[illegible]/ 83								[illegible]	[illegible]									[illegible]	[illegible]		
[illegible]/ 81							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]										
[illegible]/ 79							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]		
7[illegible]/ 77							[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]		
[illegible]/ 75							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	[illegible]		
74/ 73							[illegible]	[illegible]	[illegible]	[illegible]											
[illegible]/ 71							[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]	
[illegible]/ 69						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]											
[illegible]/ 67					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	[illegible]	[illegible]	
[illegible]/ 65					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]												
[illegible]/ 63			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 61			1.4	1.2	2.4	[illegible]	2.1	[illegible]													
[illegible]/ 59	[illegible]	.2	1.2	1.2	1.5	2.9	1.2	[illegible]										[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 57		.2	.3	1.5	1.7	2.4	1.												[illegible]	[illegible]	[illegible]
56/ 55		.3	1.7	2.2	[illegible]	1.	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 53		.5	.3	1.4	1.4	[illegible]	[illegible]												[illegible]	[illegible]	[illegible]
[illegible]/ 51		1.9	3.4	1.5	[illegible]	[illegible]	[illegible]											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 49		.5	.9	.2	.3													[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 47		.7	.3	.5	[illegible]													[illegible]	[illegible]	[illegible]	[illegible]
46/ 45			.7	.9																[illegible]	[illegible]
44/ 43		.2	.2															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 41			.2																[illegible]		[illegible]
[illegible]/ 39		[illegible]																[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 37																					[illegible]
[illegible]/ 35																					[illegible]
34/ 33																					[illegible]
[illegible]/ 31																					[illegible]
[illegible]/ 29																					[illegible]
[illegible]/ 27																					[illegible]
24/ 23																					[illegible]
TOTAL	[illegible]	5.0	11.0	12.0	12.3	15.4	18.3	12.3	8.9	3.6	[illegible]	[illegible]							584		584
																		584		584	

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.	1237497	31387	53.7	16.073	584							
Dry Bulb	2315664	36434	62.4	8.554	584			25.2	12.3	2.5		93
Wet Bulb	16546[illegible]	30904	52.9	5.743	584			1.4				93
Dew Point	1168763	25819	44.2	6.844	584		4.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	BAD KREUZNACH DL	74-[illegible]	MAY

PAGE 1 [illegible]-17[illegible]
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
[illegible]/ 91										.2								1	1		
[illegible]/ 89										.9								2	2		
[illegible]/ 87									.4	.2	.2							4	4		
[illegible]/ 85										.3								1	1		
[illegible]/ 83								.[illegible]		.2		.4						4	4		
[illegible]/ [illegible]									1.0	.4	.6	.4						12	12		
[illegible]/ 79									.2	1.7		.6						14	14		
[illegible]/ 77								1.2	.9	.6								13	13		
[illegible]/ 75								.[illegible]	.9	1.0	.6							16	16		
[illegible]/ 73							.4	.[illegible]	2.1	1.2	.[illegible]							27	27	3	
[illegible]/ 71					.2		1.[illegible]	1.2	1.8	.6	.6							27	27	3	
[illegible]/ 69					.2	.3	.[illegible]	1.4	2.3	.9								32	32	3	
[illegible]/ 67					.4	1.2	1.2	1.[illegible]	.8	.4								29	29		
[illegible]/ 65				1.0	1.[illegible]	1.6	2.7	1.[illegible]	1.6									45	45	3	
64/ 63			.2	1.2	2.1	3.7	2.1	1.[illegible]	1.0									62	62	15	6
62/ 61		.2	.4	1.2	3.3	1.[illegible]	1.3	1.[illegible]										46	46	25	1
[illegible]/ 59			1.4	.4	.3	1.9	2.9	.9										42	42	34	2
[illegible]/ 57		.4	.2	1.4	2.1	1.4	.4											30	30	57	4
[illegible]/ 55			1.9	2.1	1.[illegible]	.4	.6											31	31	72	16
54/ 53			.6	.4	.9	.4	.4											13	13	66	28
[illegible]/ 51	.4	1.6	2.1	1.2	.4	.2												[illegible]	31	53	32
[illegible]/ 49	.2	.8	1.6															13	13	71	39
[illegible]/ 47		.4	.4															4	4	51	43
46/ 45			.8	1.[illegible]														9	9	23	71
44/ 43			.2															1	1	9	[illegible]
[illegible]/ 41		.2	.2															2	2	7	58
[illegible]/ 39		.6																3	3	5	37
[illegible]/ 37																				3	3[illegible]
[illegible]/ 35																					3[illegible]
34/ 33																					27
32/ 31																					17
[illegible]/ 29																					8
[illegible]/ 27																					3

Element (X)	$Z_{X'}$	Z_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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION BAD KREUZNACH DE STATION NAME [redacted] YEARS MAY MONTH

PAST [redacted] 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
TOTAL	[illegible]	4.1	[illegible]	9.7	[illegible]	[illegible]	14.0	31.	[illegible]	7.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.4	[illegible]	513	513	513

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.	1477168	26046	50.8	17.156	513							
Dry Bulb	2146565	32841	64.0	9.288	513			[illegible]	17.3	4.9		93
Wet Bulb	1486389	27447	53.5	5.012	513			1.6	[illegible]			53
Dew Point	1016597	22545	43.9	7.099	513		5.3					53

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] KREUZNACH DE	[illegible]	[illegible]

[illegible] 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
[illegible] / 77							[illegible]		[illegible]									[illegible]	[illegible]		
[illegible] / 75					[illegible]													[illegible]	[illegible]		
[illegible] / 73				[illegible]			[illegible]											[illegible]	[illegible]		
[illegible] / 71					[illegible]	[illegible]	[illegible]											[illegible]	[illegible]		
[illegible] / 69			[illegible]	1.7	1.[illegible]	1.[illegible]	[illegible]											[illegible]	[illegible]		
[illegible] / 67			1.[illegible]	[illegible]	[illegible]	[illegible]												[illegible]	[illegible]	[illegible]	
[illegible] / 65		[illegible]	1.7	2.[illegible]	1.[illegible]		[illegible]											[illegible]	[illegible]	[illegible]	
[illegible] / 63		[illegible]	4.[illegible]	[illegible]	[illegible]	[illegible]												76	76	[illegible]	[illegible]
[illegible] / 61		1.[illegible]	5.4	4.2	1.[illegible]													49	49	[illegible]	[illegible]
[illegible] / 59	[illegible]	2.5	6.1	3.2	[illegible]	[illegible]												[illegible]	61	43	[illegible]
[illegible] / 57		2.7	2.9	4.4	[illegible]	[illegible]												47	47	[illegible]	[illegible]
[illegible] / 55		2.[illegible]	[illegible]	2.2	1.[illegible]													[illegible]	42	[illegible]	[illegible]
[illegible] / 53		1.[illegible]	3.2	1.7														[illegible]	[illegible]	42	[illegible]
[illegible] / 51	[illegible]	1.2	2.[illegible]	[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	44
[illegible] / 49		[illegible]	1.7	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 47		[illegible]	[illegible]	[illegible]														[illegible]	[illegible]	[illegible]	[illegible]
[illegible] / 45		[illegible]	[illegible]															4	4	[illegible]	[illegible]
[illegible] / 43		[illegible]																[illegible]	[illegible]	7	[illegible]
[illegible] / 41																				[illegible]	[illegible]
[illegible] / 39																					[illegible]
[illegible] / 37																					[illegible]
[illegible] / 35																					[illegible]
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.2	[illegible]		[illegible]									408	[illegible]	408	[illegible]

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.	2291748	[illegible]	74.3	[illegible]	[illegible]							
Dry Bulb	1469615	24373	59.7	5.786	[illegible]			9.[illegible]	1.3			[illegible]
Wet Bulb	1249831	22467	55.1	5.[illegible]81	408			.7				[illegible]
Dew Point	1087777	20939	51.3	5.687	408							90

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION — [illegible] STATION NAME — [illegible] YEARS — [illegible] MONTH

[illegible] HOURS [illegible]

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
[illegible]/ 87										.[illegible]								[illegible]	[illegible]		
[illegible]/ 85											.[illegible]							[illegible]	[illegible]		
[illegible]/ 87										.7	.7							[illegible]	[illegible]		
[illegible]/ 81								.[illegible]	.7	.5	.2							[illegible]	[illegible]		
[illegible]/ 79								.7	.7	.2								[illegible]	[illegible]		
7[illegible]/ 77					.[illegible]	.7	.3	1.[illegible]	.3									[illegible]	[illegible]		
7[illegible]/ 75					.7	1.3	2.1	.7	.2									[illegible]	[illegible]		
[illegible]/ 73				.6	.2	1.5	1.[illegible]	.7	.2									29	29		
[illegible]/ 71				1.[illegible]	1.7	2.4	1.5	.[illegible]	.7									41	41		
72/ 69			.[illegible]	.5	2.[illegible]	2.8	2.1	.[illegible]										[illegible]	[illegible]		
[illegible]/ 67			.[illegible]		2.1	2.3	.5	.7										[illegible]	[illegible]	[illegible]	
66/ 65		.5	1.[illegible]	3.[illegible]	3.3	1.1	1.[illegible]	.[illegible]										[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 63		.7	.7	6.[illegible]	4.1	4.4	2.5	.[illegible]	.7									[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 61		1.[illegible]	2.[illegible]	1.5	3.4	.5	.3	.[illegible]										[illegible]	[illegible]	67	[illegible]
[illegible]/ 59		1.[illegible]	1.1	1.5	2.[illegible]	.2	.7											[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 57		.7	.8	2.[illegible]	1.[illegible]	1.6												37	[illegible]	[illegible]	[illegible]
[illegible]/ 55		.[illegible]	2.1	1.1	1.[illegible]													1	31	[illegible]	[illegible]
[illegible]/ 53	.2	.3	1.1	.3	.[illegible]													15	[illegible]	[illegible]	[illegible]
[illegible]/ 51			1.[illegible]	1.[illegible]	.5													17	17	47	[illegible]
[illegible]/ 49		.2	.5	.2														[illegible]	[illegible]	[illegible]	[illegible]
4[illegible]/ 47			.3																[illegible]	[illegible]	[illegible]
4[illegible]/ 45																				[illegible]	[illegible]
44/ 43																					
[illegible]/ 41																					[illegible]
[illegible]/ 39																					
[illegible]/ 37																					[illegible]
[illegible]/ 35																					
34/ 33																					
[illegible]/ 31																					[illegible]
TOTAL	.2	5.4	11.4	19.4	22.[illegible]	18.7	12.1	6.2	2.1	1.0	.5								614		614
																		614		614	

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
Ref. Hum.	2442258	37372	61.7	13.167	614							
Dry Bulb	2650666	40096	65.3	7.257	614			34.9	14.8	2.6		9[illegible]
Wet Bulb	2[illegible]1045	35245	57.4	5.414	614			2.6				9[illegible]
Dew Point	16[illegible]102	31442	51.2	6.258	614		.1					[illegible]

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible] KREUZNACH DL	73-8[illegible]	JUN

PAGE [illegible] HOURS (L. S. T.) 12[illegible]-14[illegible]

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
[illegible]/ 81												.[illegible]						[illegible]	[illegible]		
[illegible]/ 89											.[illegible]	.[illegible]						4	4		
[illegible]/ [illegible]										.[illegible]	.7	.5		.2				7	7		
[illegible]/ [illegible]										.[illegible]		.[illegible]							[illegible]		
[illegible]/ [illegible]								.[illegible]	.7	.7	.7	.[illegible]						12	12		
[illegible]/ [illegible]							.5	1.[illegible]	1.9	.9	.5							[illegible]	[illegible]		
[illegible]/ 7[illegible]						.3	.[illegible]	.[illegible]	1.9	.5	.7							28	28		
[illegible]/ 77					.[illegible]	.7	1.7	1.4	3.2	.3	.[illegible]	.2						46	46		
[illegible]/ 75					.[illegible]	.7	2.[illegible]	1.7	1.2	.3								38	38		
[illegible]/ 7[illegible]				.3	.3	1.5	2.4	2.4	1.7									[illegible]1	51		
[illegible]/ 71				.[illegible]	.7	1.7	1.4	1.[illegible]	1.0									39	39	4	
[illegible]/ [illegible]			.2	.3	.9	[illegible].9	1.[illegible]	.9	1.4									44	44	[illegible]1	
[illegible]/ 67			.3		[illegible].6	1.5	1.2	.7	.5									40	40	[illegible]2	
[illegible]/ 65			.2	1.[illegible]	3.2	1.4	2.[illegible]	.7	.2									[illegible]4	54	54	[illegible]
[illegible]/ 6[illegible]		.3	1.5	2.4	3.4	4.6	.5	.7	.2									80	80	62	19
[illegible]/ 61			1.[illegible]	.7	1.[illegible]	.5	.5											25	25	65	[illegible]7
[illegible]/ 59		.3	.[illegible]	.7	1.4	.3	.7	.[illegible]										[illegible]5	25	[illegible]2	[illegible]
[illegible]/ 57		.3	.2	.7	.2	.9	.7											17	17	[illegible]	61
[illegible]/ 55		.7	.7	1.4	.7													[illegible]0	20	45	51
[illegible]/ 53		.2	.9	.7	.3													1[illegible]	12	61	39
[illegible]/ 51		.3	.5	.5														8	8	[illegible]	63
[illegible]/ 49																				[illegible]	31
[illegible]/ 47																				13	57
[illegible]/ 45																				9	71
[illegible]/ 43																					23
[illegible]/ 41																					[illegible]
[illegible]/ 39																					[illegible]
[illegible]/ 37																					[illegible]4
[illegible]/ 35																					[illegible]
[illegible]/ 33																					[illegible]
[illegible]/ 29																					[illegible]
TOTAL		2.2	6.1	9.4	15.8	17.0	15.4	12.4	13.5	3.6	2.0	1.9		.3					587		587
																		587		587	

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.	1771710	31174	53.1	14.078	587							
Dry Bulb	2871461	40763	69.4	8.382	587			53.0	34.2	11.7		9[illegible]
Wet Bulb	2549362	34524	58.8	5.673	587			7.2				[illegible]
Dew Point	1533687	29745	50.7	6.715	587		.5					9[illegible]

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-265 STATION | RAF KREUZNACH DE STATION NAME | 75-82 YEARS | JUL MONTH

AGE 1 | 15 C-17 C 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
94/ 91												.2		.1				5	5		
92/ 91												.4	.2					6	6		
/ 89												.4						2	2		
90/ 87									.3	.4	.6	.6	.6	.4				14	14		
/ 85										.2	.4	.2						4	4		
86/ 83							.2	.4	.2	.2	.6	.4						14	14		
83/ 81							.2	.4	2.1	1.5	.4	.6	.2					13	13		
82/ 79						.2	1.1	1.1	2.6	.6	.2	.4						33	33		
79/ 77				.2	.2	.2	1.2	2.6	3.9	.9	.2							52	52		
76/ 75						.6	2.2	1.2	2.4	.6								43	43		
74/ 73				.6		1.2	1.5	1.2	1.5	.6								39	39	1	
72/ 71				.2	.2	.6	2.8	.6	.9									31	31	2	
71/ 69			.2	.2	.6	3.0	1.2	.6	1.2									40	40	12	
69/ 67					1.1	2.3	2.6	.2	.6	.2								36	36	3	.2
68/ 65			.4	1.2	1.2	1.5	1.2	.2										44	44	43	5
67/ 63			.2	2.3	2.6	2.6	1.1	.2										55	55	72	.4
65/ 61		.2		.6	1.2	.4	.2											17	17	59	17
63/ 59		.4	.4	1.5	1.2	.4	.2	.2										26	26	46	27
61/ 57		.6		.4	1.1	.2	.2											13	13	42	34
58/ 55		.2	.2	1.1	.2	.2												11	11	46	46
56/ 53	.2	.4	.4	.4	.2													8	8	62	72
55/ 51		.2	.6															4	4	27	62
53/ 49			.2															1	1	23	93
52/ 47																				12	45
50/ 45																					56
48/ 43																					
47/ 41																					1
45/ 39																					
43/ 37																					1
42/ 35																					2
40/ 33																					1
37/ 29																					
TOTAL	.2	1.9	3.2	9.2	11.8	13.5	19.9	10.7	15.8	5.8	2.3	3.0	1.5	1.1				532	532	532	532

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.	1437293	26589	50.0	14.287	532							
Dry Bulb	2731546	37832	71.1	8.809	532			56.9	40.9	15.6	.8	9
Wet Bulb	1891368	31584	59.4	5.536	532			2.5	.2			25
Dew Point	1374433	26819	50.8	6.501	532		.2	.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

2

PSYCHROMETRIC SUMMARY

1 [illegible] BAD KREUZNACH DL 73-80 JUL
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0900 1
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
[illegible]									.2									1	1		
[illegible]						.5	.5		.2									5	5		
[illegible]					.2	.2	.2	.2										4	4		
[illegible]				.2	.2	.7	1.2	.2										19	19		
[illegible]			1.2	1.2	.5	1.7	.2											19	19		
[illegible]			.5	.7	1.	.2	.2											17	17	1	
[illegible]		.2	5.2	3.2	1.2	.7	.2											43	43	11	1
[illegible]		2.2	4.7	8.7	2.	.5												73	73	21	5
[illegible]		3.1	8.5	4.2	1.5	.2												69	59	49	23
[illegible]		3.1	6.2	3.7	1.													56	56	65	39
[illegible]		1.5	5.2	3.7														42	42	31	43
[illegible]		2.5	4.2	1.2														32	32	45	72
[illegible]	.2	1.2	1.2	1.2														17	17	55	56
[illegible]		1.2	.2															6	6	40	47
[illegible]		.2	.2															2	2	21	31
[illegible]		.2																1	1	3	40
[illegible]																					2
[illegible]																					6
TOTAL	.2	15.7	37.1	28.1	11.2	5.0	2.7	.5	.5									402	402	402	402

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.	2693542	31062	78.8	10.649	402							
Dry Bulb	1556839	24979	61.9	5.267	402			16.1	2.3			93
Wet Bulb	1320472	22978	57.2	4.198	402			.2				93
Dew Point	1161095	21527	53.5	9.558	402							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 62nS STATION — EAD KNEUBACH DI STATION NAME — 73-80 YEARS — JUL MONTH

PAGE 1 — 0600-1100 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
88/ 87											.2							1	1		
86/ 85													.1					1	1		
84/ 83										.2	.2	.2			.2			4	4		
82/ 81							.1	1.2	1.2		.2		.2					14	13		
80/ 79						.5	.1	.2	.5	.5		.2						21	21		
78/ 77					.2	1.5	1.0	2.3	1.2	.2								42	42		
76/ 75				.2	1.2	1.3	2.5	.5	.2									35	35		
74/ 73			.1	1.1	1.3	1.0	3.0	1.3	.2									47	47		
72/ 71			1.2	1.2	1.6	1.3	1.3	.8										35	35		
70/ 69		.5	.2	1.7	3.3	1.7												48	48	12	
68/ 67		.8	.8	2.6	1.9	.3												35	35	37	
66/ 65	.5	1.0	3.1	2.6	1.5	.5	.2											57	57	53	1
64/ 63	2.7	2.6	7.1	4.5	2.9	.2												116	115	65	52
62/ 61	1.7	2.1	3.3	2.6	.7	.2												64	64	97	40
60/ 59	.8	2.5	1.7	1.5	.3													39	39	93	64
58/ 57	1.3	1.3	2.1	.5														32	32	91	73
56/ 55	.5	.7		.2														6	8	74	85
54/ 53	.3	.2																3	3	49	87
52/ 51	.2																	1	1	26	73
50/ 49																				6	41
48/ 47																				1	64
46/ 45																					32
44/ 43																					13
42/ 41																					6
40/ 39																					2
38/ 37																					
TOTAL	6.9	11.7	21.5	27.3	15.3	12.2	6.6	3.3	.8	.2	.2	.2	.3	.2				606	606	606	606

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.	2835718	38296	63.2	13.828	606							
Dry Bulb	2796153	40951	67.6	6.906	606			43.9	25.9	5.1		97
Wet Bulb	2171842	36174	59.7	4.546	606			7.5				93
Dew Point	1779602	32668	53.9	5.205	606							91

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

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] NACH DE STATION NAME | 73-82 YEARS | JUL MONTH

PAGE 1 | 12 0-14 [illegible] 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
[illegible]													.1					1	1		
[illegible]												.2		.3				4	4		
[illegible]														.1				1	1		
[illegible]										.1	.2	1.2		.3	.2			15	15		
[illegible]									.5	1.1	1.2		.3					19	19		
[illegible]								.2	1.2	.5	1.5	.7	.2	.2				27	27		
[illegible]							1.7	2.2	2.0	1.5	1.2							51	51		
[illegible]						.7	.8	1.3	.8	.9	.2							26	28		
[illegible]					.2	1.2	1.7	3.2	2.7	.3								55	55		
[illegible]						1.7	1.5	1.7	.3									29	29		
[illegible]				.5	.7	1.5	1.7	1.7	.5	.2								36	36		
[illegible]				.2	.5	1.5	2.7	2.5										46	46	4	
[illegible]			.2	.3	.7	3.7	1.7	1.2	.2									44	44	41	
[illegible]		.2	.5	.7	1.0	2.9		.2										37	37	44	
[illegible]		.2	.3	1.5	4.4	1.3	2.2	.5	.2									61	61	72	3
[illegible]		.8	2.2	3.7	2.9	2.7	.7											77	77	64	35
[illegible]		.5	1.3	1.2	1.2	1.5												33	33	41	29
[illegible]		.3	1.2	1.3	.3													24	24	44	55
[illegible]			.5	.7														7	7	83	63
[illegible]																				74	83
[illegible]																				83	74
[illegible]																				2	74
[illegible]																				1	04
[illegible]																					46
[illegible]																					42
[illegible]																					14
[illegible]																					17
[illegible]																					1
[illegible]																					1
TOTAL	2.9	6.2	13.1	13.1	17.6	14.4	14.6	8.1	5.7	3.7	1.8	.8	.9	.2				596			596
																		596		596	

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.	1552868	72034	53.7	14.093	596							
Dry Bulb	3134545	42989	72.1	8.153	596			61.5	41.7	20.6	.3	93
Wet Bulb	2239333	36467	61.1	4.674	596			13.7				93
Dew Point	1710167	31759	53.3	5.478	596							93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 5265 — STATION
BAD KREUZNACH DL — STATION NAME
[illegible]-[illegible] — YEARS
JUL — MONTH

PAGE 1 — 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
[illegible]/ 95															.1			1	1		
[illegible]/ 93													.1		.4			3	3		
[illegible]/ 91														.1	.3			4	4		
[illegible]/ 89											.6		1.3			.4		12	12		
[illegible]/ 87											1.7	1.9			.7			19	19		
[illegible]/ 85									.4	1.7	1.3	.4	.2					22	22		
[illegible]/ 83									.2	.7	1.3	.7	.2	.2				18	18		
[illegible]/ 81							1.1	1.1	2.2	2.0	1.1	.6						44	44		
[illegible]/ 79						.2	.7	1.9	1.9	.6	.9							33	33		
[illegible]/ 77					.1	.9	1.7	3.1	3.5									50	50		
[illegible]/ 75						.2	3.7	2.2	1.8									41	41		
[illegible]/ 73				.2		.7	.7	2.2	1.4	1.5	.2							36	36		
[illegible]/ 71					.2	.4	2.4	1.3	1.5	.6								34	34	7	
[illegible]/ 69				.6	1.1	2.4	1.2	1.7										41	41	24	
[illegible]/ 67			.2	.9	1.7	2.4	.6	.4	.2									32	32	49	1
[illegible]/ 65	.2	.4	.2	1.5	2.2	2.8	1.3	.2										51	51	71	3
[illegible]/ 63		.4	1.5	2.8	1.9	2.4	1.1											54	54	73	15
[illegible]/ 61		.9	.6	1.3	1.3													22	22	73	16
[illegible]/ 59	.2	.6	.6	.4	.7													13	13	76	54
[illegible]/ 57		.2	.4															3	3	64	57
[illegible]/ 55		.4																2	2	47	64
[illegible]/ 53		.2																1	1	31	80
[illegible]/ 51																				7	61
[illegible]/ 49																					32
[illegible]/ 47																					43
[illegible]/ 45																					43
[illegible]/ 43																					24
[illegible]/ 41																					14
[illegible]/ 39																					5
[illegible]/ 37																					1
[illegible]/ 35																					2
TOTAL	.4	3.2	4.3	7.6	9.8	14.4	15.6	13.7	12.4	5.7	5.9	3.0	1.9	.4	1.3	.4			541		540
																		540		540	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	s_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	15089.6	27256	50.5	15.728	540							
Dry Bulb	2958196	397.6	73.5	8.966	540			67.9	49.4	25.1	1.0	93
Wet Bulb	2046631	33153	61.4	4.439	540			13.1	.2			93
Dew Point	1513763	28439	52.7	5.453	540			.2				93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] STATION NAME | 73-8[illegible] YEARS | [illegible] MONTH

PAGE 1 | [illegible] HOURS (L. S. T.)

Temp. (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				.2	.2	.2												3	3		
72/ 71			.2	.2	.5													4	4		
[illegible]/ 69			.2		.2	.2												5	5		
[illegible]/ 67			1.2	1.7	.7		.2											16	16	[illegible]	
[illegible]/ 65		2.4	1.9	1.9	1.	.2												31	31	7	
64/ 63	.5	5.3	9.8	6.2	1.	.2												36	36	29	17
[illegible]/ 61	.7	5.[illegible]	7.9	2.9	.7													71	71	45	23
[illegible]/ 59	1.[illegible]	2.4	7.6	4.5	.7	.7												71	71	78	45
[illegible]/ 57	.[illegible]	3.3	5.3	2.9	.5													51	51	67	67
56/ 55		2.6	3.1	1.7														31	31	68	52
[illegible]/ 53		1.7	3.1															20	20	43	55
[illegible]/ 51		.5	2.4	.2														13	13	37	53
[illegible]/ 49		.2	.5															3	3	25	29
48/ 47		.5																2	2	11	31
46/ 45		.7	.2															4	4	5	29
44/ 43																				2	[illegible]
[illegible]/ 41																					7
[illegible]/ 39																					1
TOTAL	2.1	24.6	43.4	22.4	5.5	1.7	.2												419		419
																		419		419	

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.	26573[illegible]	33144	79.[illegible]	9.219	419							
Dry Bulb	1538070	25313	60.4	4.692	419			5.8	.7			93
Wet Bulb	1354999	23753	56.7	4.496	419			.4				93
Dew Point	1223357	22539	53.8	5.114	419							93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
1[illegible]265	EAD KREUZNACH DL	73-82	AUG

PAGE 1 [illegible]0-11.0
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
[illegible]4/ 83									.[illegible]	.3								3	3		
[illegible]2/ 81							.3	.[illegible]	.3									9	8		
[illegible]/ 79						.[illegible]	.[illegible]	1.1	.3									13	13		
7[illegible]/ 77					.[illegible]	.3	.6	1.[illegible]	.6	.3								23	23		
7[illegible]/ 75				.7	.[illegible]	.6	1.9	1.[illegible]										33	33		
74/ 73				.8	1.[illegible]	2.1	2.1	.5	.2									41	41		
[illegible]2/ 71				.5	2.4	3.[illegible]	1.[illegible]	.[illegible]										52	52		
7[illegible]/ 69			[illegible]	1.4	3.[illegible]	3.3	1.3											68	68	11	
[illegible]/ 67			1.4	1.[illegible]	2.[illegible]	3.9												57	57	23	1
[illegible]8/ 65		1.3	.8	3.3	3.2	1.6	1.[illegible]											70	70	43	5
[illegible]4/ 63		1.6	2.6	7.7	4.6	2.6	.2											121	121	90	29
62/ 61	.3	2.4	2.6	3.5	3.2	1.[illegible]												81	81	126	41
[illegible]/ 59		1.[illegible]	1.6	1.9	1.[illegible]													38	38	110	64
[illegible]/ 57		.6	.3	1.4														15	15	113	93
[illegible]/ 55			.2	.3														[illegible]	3	64	83
[illegible]/ 53																				43	96
[illegible]2/ 51			.2															1	1	21	67
[illegible]/ 49																				2	55
[illegible]/ 47																				1	38
[illegible]/ 45																					43
44/ 43																					9
42/ 41																					4
TOTAL	.3	7.7	10.5	22.2	23.8	18.5	9.7	5.[illegible]	1.6	.6									627		627
																		627		627	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	2707690	40426	64.5	12.715	627							
Dry Bulb	2853009	42143	67.2	5.712	627			44.2	17.9	3.[illegible]		93
Wet Bulb	2250158	37474	59.8	4.[illegible]85	627			5.0				93
Dew Point	1866752	34070	54.3	4.968	627			.1				93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] BAD KREUZNACH DL [illegible] AUG
STATION STATION NAME YEARS MONTH

PAGE 1 [illegible]-14[illegible]
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
96/ 95															.2			1	1		
94/ 93														.2				1	1		
92/ 91														.2				1	1		
90/ 89										.2	.2	.2						3	3		
88/ 87									.2	.2	.3	.2						5	5		
86/ 85									.2	.3	.7	.5	.3					15	15		
84/ 83								.2	1.1	1.2	.5							17	17		
82/ 81							.2	1.6	1.6	1.5	.6							40	40		
80/ 79						.2	.3	1.5	2.6	1.3	.5							42	42		
78/ 77						1.3	1.1	2.[illegible]	4.6	1.6	.7							73	73		
76/ 75					.2	1.5	2.3	1.1	.7	.3								43	43		
74/ 73				.2	.2	2.6	4.7	1.5	.8									63	63		
72/ 71			.2	1.[illegible]	1.6	1.8	4.6	.3	.2									62	62	[illegible]	
70/ 69			.3	1.[illegible]	1.3	4.4	1.6	.[illegible]										56	56	25	
68/ 67			.2	.3	1.5	2.5	.5	.5										35	35	43	
66/ 65		.3		1.3	2.9	.5	2.[illegible]	.[illegible]										45	45	66	2
64/ 63		1.6	1.6	2.5	1.3	3.4	.7											69	69	95	25
62/ 61		.8	1.1	.7	1.1													21	21	127	34
60/ 59		.3	1.6	.2	.5													16	16	114	54
58/ 57		.2		.2														2	2	65	65
56/ 55			.2															1	1	36	88
54/ 53																				22	97
52/ 51																				7	86
50/ 49																					41
48/ 47																					42
46/ 45																					48
44/ 43																					18
42/ 41																					[illegible]
40/ 39																					1
TOTAL		3.4	5.1	7.2	11.[illegible]	18.7	19.5	11.1	11.9	6.9	3.6	.8	.3	.3	.2				611		611
																		611		611	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1839816	32368	53.[illegible]	14.199	611							
Dry Bulb	3242919	44303	72.5	7.[illegible]77	611			69.6	46.3	16.6	.3	93
Wet Bulb	2312930	37510	61.4	4.[illegible]79	611			1[illegible].7				93
Dew Point	1763228	32674	53.5	5.113	611							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

10265 BAD KREUZNACH DE 73-82 AUG
STATION STATION NAME YEARS MONTH

PAGE 1 1200-1700
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
97/ 95															.1			1	1		
94/ 92															.1	.4		5	5		
92/ 91												.1						1	1		
91/ 89										.1	.2	.4	.4					6	6		
89/ 87										.2	.2	1.4		.2				13	13		
87/ 85									.4	1.4		.6	.4					17	17		
84/ 83								.4	1.4	1.1	2.5	.4	.2					37	39		
82/ 81							.6	1.6	2.5	1.4	2.5	1.1						53	53		
81/ 79						.4	.5	1.6	2.2	2.3	.2							43	43		
78/ 77					.4	.2	.5	2.1	4.1	1.4	.2							50	50		
76/ 75					.4	1.6	3.7	1.6	1.2	.2	.2							50	53		
74/ 73					.2	2.3	4.1	2.1	.2	.4								54	54		
73/ 71				.4	1.2	4.1	2.0	1.1	.4									51	51	2	
71/ 69			.7	.7	2.0	2.0	1.4	.2	.4									45	45	34	
68/ 67			.2	.2	1.6	2.1	.6	.6	.2									31	31	24	
66/ 65			.4	1.2	2.7	.9	1.8	.2										40	47	69	4
64/ 63		1.2	1.8	1.2	.7	1.6	.6											41	41	101	12
62/ 61		.4	.9	.6	.2													13	13	133	35
60/ 59		.6	1.6	.4	.2													15	15	96	42
58/ 57		.2																1	1	59	57
56/ 55		.2																1	1	31	76
54/ 53																				21	61
52/ 51																				3	61
50/ 49																					47
48/ 47																					46
46/ 45																					53
44/ 43																					22
42/ 41																					19
40/ 39																					3
38/ 37																					2
TOTAL	2.5	5.3	4.6	.1	14.8	16.0	12.1	13.4	8.6	6.2	4.7	.9	.2	.3	.4			561	561	561	561

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.	1915236	27966	49.8	15.299	561							
Dry Bulb	3111610	41562	74.1	7.614	561			74.6	53.5	25.7	1.0	93
Wet Bulb	2143766	34608	61.7	3.965	561			9.9				93
Dew Point	1581136	29632	52.8	5.341	561							93

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

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: [illegible] | STATION NAME: BAD KREUZNACH DL | YEARS: [illegible] | MONTH: [illegible]

PAGE 1 | HOURS (L. S. T.): [illegible]

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
[illegible]/69						[illegible]												[illegible]	[illegible]		
[illegible]/65			[illegible]	[illegible]	[illegible]													[illegible]	[illegible]		
[illegible]/63		[illegible]	2.1	[illegible]	[illegible]													[illegible]	[illegible]	[illegible]	
[illegible]/61	.6	.9	2.4	1.5	[illegible]													19	19	11	4
[illegible]/59	.6	4.9	3.7	1.5														35	35	[illegible]	[illegible]
[illegible]/57	.3	[illegible].2	4.9	1.5	.3													40	40	25	[illegible]
[illegible]/55	[illegible]	[illegible].2	[illegible]	1.5														41	41	31	[illegible]
54/53	[illegible].2	3.4	6.1	1.5														40	40	43	[illegible]
[illegible]/51	.3	4.6	4.3	.6														32	32	41	33
[illegible]/49	[illegible]	5.5	1.8	.3														28	28	[illegible]	31
48/47	.3	5.5	1.8	.3														26	26	40	47
46/45	1.2	5.5	.9															[illegible]	25	26	55
44/43	.6	2.1	.6															11	11	21	26
42/41		1.5																[illegible]	[illegible]	11	27
[illegible]/39	.3	.3																[illegible]	[illegible]	4	9
38/37																				1	5
36/35																					[illegible]
TOTAL	6.7	46.[illegible]	34.5	11.[illegible]	1.2	.6													328		328
																		328		328	

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.	2314543	27395	83.5	8.998	328							
Dry Bulb	965276	17697	53.9	5.835	328			.5				90
Wet Bulb	871797	16823	51.3	5.319	328							90
Dew Point	795927	16054	48.9	5.573	328							90

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

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION [illegible] STATION NAME [illegible] YEARS [illegible] MONTH

[illegible] 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
[illegible] / [illegible]										•									1		
[illegible] / 75										•									1		
[illegible] / 77							•	•	•									4	4		
[illegible] / 75					•														1		
[illegible] / [illegible]				•		•	•	•													
[illegible] / 71				•4	1.2	.4	.4											12	12		
[illegible] / 69				1.2	'.4	1.2												19	19		
[illegible] / 67				1.4	•	1.2												14	14	2	
[illegible] / 65		.2	1.	1.4	1.	.8	.6											10	10	6	
64/ 63		.2	2.4	5.2	4.2	2.6												27	27	26	2
60/ 61		1.8	3.2	3.2	3.4	.8	.2											13	13	35	1
[illegible] / 59		2.4	3.8	6.1	1.2	.2												68	68	52	35
[illegible] / 57	.6	1.6	4.	5.7	1.4													67	67	64	37
54/ 55	.4	2.4	1.8	3.2	.2													39	39	71	60
[illegible] / 53		1.2	3.6	1.6	.2													13	33	43	44
50/ 51	.4	1.2	3.6	.4														28	28	56	56
[illegible] / 49		.4	1.7	.4														9	9	2	53
46/ 47		1.2	.2	.4	.2													13	13	26	67
[illegible] / 45	.6	.8																7	7	15	77
44/ 43		.2																1	1	2	29
[illegible] / 41																				1	21
[illegible] / 39																				1	4
[illegible] / 37																					1
34/ 33																					1
[illegible] / 27																					1
TOTAL	2.1	14.7	26.1	30.7	15.8	7.3	2.2	.1	.2	.4								495		495	
																		495	495		

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.	2673329	35977	72.5	12.157	495							
Dry Bulb	1798531	22675	59.9	6.288	495			10.9	2.7	.4		9
Wet Bulb	1502070	27156	54.9	4.985	495			.4				2
Dew Point	1287492	25102	50.7	5.426	495		.2					5

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

USAFETAC

2

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L.S.T.) 1-2, 7-14, 19-20

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
/ 1																					
/ 7																					
/																					
/																					
/ 72																					
/ 71																					
/ 70																					
/ 69																					
/ 68																					
/ 67																					
/ 66																					
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/ 49																					
/ 48																					
/ 47																					
/ 46																					
/ 45																					
/ 44																					
/ 43																					
/ 42																					
/ 41																					
/ 40																					
/ 39																					
/ 38																					
/ 37																					
TOTAL	5.7	9.6	15.5	23.1	19.7	14.5	7.1	3.1	.4	1.2	.4	.2						489		489	

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.	1858916	294.8	60.1	13.06	489							97
Dry Bulb	215123	3223.5	65.9	7.736	489			36.9	14.5	3.7		97
Wet Bulb	1632467	28144	57.6	5.93	489			7.9				97
Dew Point	1288645	24943	51.0	5.791	489							97

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

2

[illegible] CLIMATOLOGY BRANCH
USAFETAC
[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] STATION NAME | [illegible] YEARS | [illegible] MONTH | [illegible] 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
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]																					
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[illegible]																					
[illegible]																					
[illegible]																					
[illegible]																					
[illegible]																					
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
Dry Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]		
Wet Bulb	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]				
Dew Point	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]					

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

2

[illegible] CLIMATOLOGY BRANCH
[illegible] USAFETAC
[illegible] WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

1 265 STATION | [illegible] STATION NAME | [illegible] YEARS | OCT MONTH

[illegible] PAGE 1 | [illegible] 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
[illegible]			.7															1	1		
[illegible]		.3		.3	.3													3	3		
[illegible]			.7	.5	.7													9	4	2	1
[illegible]		2..	1.3															10	10	2	1
[illegible]	.3	3.	1.5	.3														11	21		2
[illegible]	1..	2.3	2.3	.3														12	22	17	4
[illegible]	.3	3.6	3.6	.3														12	32	16	14
[illegible]	1..	3..	3.6.															32	32	32	16
[illegible]	2.3	7.4	1.3															47	47	55	47
[illegible]	3.3	11.9	3.2															75	75	64	72
[illegible]	1.	7.1	1.7															70	39	42	54
[illegible]	1.6	2.1	.5															43	43	42	49
[illegible]	3.	3.3	.5															10	10	23	43
[illegible]	1.3	2.4	.3															10	10	16	33
[illegible]	2.	1.3	.7															10	16	23	26
[illegible]	1.5	.8																3	3	14	16
[illegible]	.3	.3																2	2	4	4
[illegible]	.3																	1	1	1	1
[illegible] 27																					4
TOTAL	12	15	9	2	.8	1.5	.3												394		394
																		394		394	

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.	310830	34[illegible]	88.3	8.295	394							
Dry Bulb	254749	18165	46.2	6.265	394		.7					3
Wet Bulb	193346	17534	44.5	5.767	394		1.2					7
Dew Point	138276	16574	42.0	5.464	394		3.1					9

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	[illegible]	[illegible]	[illegible]

PAGE [illegible] [illegible]-11 [illegible]
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
[illegible]/ 65				.[illegible]														[illegible]	[illegible]		
[illegible]/ 63			.[illegible]	1.[illegible]	.[illegible]	.2												[illegible]	17		
[illegible]/ [illegible]		.2	.[illegible]	.[illegible]			.[illegible]											11	11	[illegible]	
[illegible]/ 59		.[illegible]	1.2	1.[illegible]	.[illegible]	.7												26	26	[illegible]	
[illegible]/ 57		1.9	.[illegible]	2.2	.[illegible]													36	36	14	[illegible]
[illegible]/ 55	.[illegible]	2.[illegible]	2.[illegible]	3.[illegible]														43	43	26	14
[illegible]/ 53	.3	[illegible].7	4.4	2.2														57	57	[illegible]	[illegible]
[illegible]/ [illegible]	.3	4.4	4.4	1.5														63	63	57	24
[illegible]/ 49	.[illegible]	[illegible].7	3.4	.7														45	45	98	[illegible]
[illegible]/ 47	1.2	6.9	4.[illegible]	.7														[illegible]6	76	77	67
[illegible]/ 45	.7	9.6	3.5	.7														[illegible]6	56	66	[illegible]
[illegible]/ 43	.2	5.[illegible]	1.3	.2	.[illegible]													44	44	64	64
[illegible]/ 41	1.[illegible]	4.4	2.4	.2														47	47	55	64
[illegible]/ 39	.[illegible]	[illegible].7	.2															[illegible]2	[illegible]2	24	61
[illegible]/ 37	1.[illegible]	1.2	.3															[illegible]	[illegible]	[illegible]	[illegible]
[illegible]/ 35	1.[illegible]																	8	9	[illegible]	[illegible]
[illegible]/ 33	.3																	[illegible]	[illegible]	4	17
[illegible]/ 31	.[illegible]																	1	1	[illegible]	4
[illegible]/ [illegible]																					[illegible]
[illegible]/ 27																					[illegible]
[illegible]/ 25																					[illegible]
TOTAL	[illegible].4	44.9	2[illegible].5	15.2	[illegible]	.[illegible]	.[illegible]												[illegible]94		594
																		594		594	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4075622	4877[illegible]	82.1	1[illegible].972	594							
Dry Bulb	1459818	29[illegible]	49.2	6.414	594		.2					93
Wet Bulb	1300269	27595	46.5	5.557	594		.[illegible]					93
Dew Point	1155161	25973	43.7	5.731	594		1.6					93

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

2

[illegible] AL CLIMATOLOGY BRANCH
USAFETAC
[illegible] SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | [illegible] STATION NAME | 73-8[illegible] YEARS | OCT MONTH

PAGE [illegible] HOURS (L. S. T.)

Temp (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
[illegible]/ 73						.2	.[illegible]											[illegible]	[illegible]		
[illegible]/ 71						.[illegible]												[illegible]	[illegible]		
[illegible]/ 69					.[illegible]	.[illegible]	.2											6	6		
[illegible]/ 67					.[illegible]	.[illegible]		.[illegible]										3	5		
[illegible]/ 65				1.[illegible]	.[illegible]		.[illegible]											1[illegible]	1[illegible]		
[illegible]/ 63			.[illegible]	3.2	.[illegible]	2.4	.[illegible]	.2										45	4[illegible]	[illegible]	
[illegible]/ 61			.5	1.4	1.4	1.[illegible]	.[illegible]											[illegible]	[illegible]	1[illegible]	
[illegible]/ 59		.2	.5	2.6	2.4	.[illegible]												3[illegible]	38	16	
[illegible]/ 57		1.2	2.4	4.6	.7													[illegible]2	[illegible]2	[illegible]9	13
[illegible]/ 55		2.[illegible]	3.2	2.6	1.2													53	53	[illegible]	[illegible]
[illegible]/ 53	.2	2.[illegible]	3.3	2.4	.[illegible]		.[illegible]											[illegible]4	64	[illegible]8	24
[illegible]/ 51	.[illegible]	.5	5.[illegible]	1.5	.[illegible]	.2												[illegible]	53	86	[illegible]
[illegible]/ 49	.2	1.[illegible]	3.2	2.2	.[illegible]	.2												47	47	73	3[illegible]
[illegible]/ 47		3.9	3.9	1.9	.5	.2												61	61	6[illegible]	54
[illegible]/ 45		4.9	3.4	.9	.[illegible]													56	56	69	104
[illegible]/ 43		3.9	.7	.7														[illegible]	31	55	85
[illegible]/ 41	.[illegible]	.9	.[illegible]															[illegible]	9	[illegible]	63
[illegible]/ 39	.2	1.7	.2															1[illegible]	12	1[illegible]	66
[illegible]/ 37	.[illegible]	.5																[illegible]	5	15	26
[illegible]/ 35	.2																	1	1	5	[illegible]
34/ 33																					1[illegible]
[illegible]/ 31																					1
[illegible]/ [illegible]																					4
[illegible]/ 27																					[illegible]
[illegible]/ 25																					[illegible]
[illegible]/ 23																					1
TOTAL	1.5	23.3	35.2	24.9	1[illegible].7	6.3	2.7	.3											587		587
																		587		587	

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.	3213559	42773	72.9	12.853	587							
Dry Bulb	1704679	31353	53.4	7.152	587			3.2	.6			93
Wet Bulb	1422698	28708	48.9	5.647	587							93
Dew Point	1183763	26123	44.5	6.[illegible]18	587		1.7					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] | BAD KREUZNACH DE | 73-8[illegible] | OCT
STATION | STATION NAME | YEARS | MONTH

PAGE 1 | [illegible]-17[illegible]
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
[illegible]/ 79								[illegible]										1	1		
[illegible]/ 77							[illegible]											1	1		
[illegible]/ 75							[illegible]											4	4		
[illegible]/ 73						[illegible]	[illegible]											4	4		
[illegible]/ 71						[illegible]												7	3		
[illegible]/ 69					[illegible]	2.3	[illegible]	[illegible]										19	19		
[illegible]/ 67					[illegible]	.7	.2											6	6		
[illegible]/ 65				.9	[illegible]	[illegible]	[illegible]	[illegible]										16	16	[illegible]	
[illegible]/ 63			.4	3.[illegible]	1.4	1.4	.2											36	36	7	
[illegible]/ 61		.2		.7	2.3	.7	.7											26	26	17	
[illegible]/ 59		.4	1.6	3.2	3.2	.7	.2											52	52	18	[illegible]
[illegible]/ 57		.4	2.7	3.[illegible]	1.4	.2	.2											44	44	27	1[illegible]
[illegible]/ 55		1.2	2.8	4.1	1.8													56	56	30	27
[illegible]/ 53		1.8	4.3	3.[illegible]	1.4	.2	.4											62	62	68	[illegible]9
[illegible]/ 51		1.6	6.7	3.2	2.3	.2	.2											[illegible]	80	69	38
[illegible]/ 49		1.4	2.7	2.1	.2	.2	.4											39	39	79	37
[illegible]/ 47		1.4	3.[illegible]	1.6	.2	.4												37	37	75	[illegible]
[illegible]/ 45	.5	3.5	2.1	1.1	.4													43	43	74	114
44/ 43	.4	2.5		.2														17	17	49	63
[illegible]/ 41	.4	1.1	.2															9	9	26	69
[illegible]/ 39	.2	1.2	.2															9	9	15	[illegible]
[illegible]/ 37																				7	26
[illegible]/ 35																				1	22
34/ 33																					9
[illegible]/ 31																					[illegible]
[illegible]/ 29																					4
[illegible]/ 27																					3
[illegible]/ 25																					3
[illegible]/ 23																					[illegible]
TOTAL	1.4	16.7	26.6	26.1	15.4	8.3	4.4	1.1											564		564
																		564		564	

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.	2875673	39538	70.1	13.588	564							
Dry Bulb	1725827	30926	54.8	7.305	564			6.3	1.6			93
Wet Bulb	1410526	28526	49.7	5.634	564							93
Dew Point	1150373	25237	44.7	6.123	564		2.3					93

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]	BAD KREUZNACH DL	73-8[illegible]	NOV

PAGE 1 [illegible] 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
[illegible]/ 61			.3	.7															2		
[illegible]/ 59						.5												2	2		
[illegible]/ 57			.5	.5	.7													5	5	1	
[illegible]/ 55		.3	.8															4	4	1	1
[illegible]/ 53		1.1	.5	.3														7	7	3	
[illegible]/ 51		.3	1.9															8	8	11	4
[illegible]/ 49		1.2	2.4	.3														18	18	12	7
[illegible]/ 47	.8	4.1	2.2	.3														27	27	22	11
[illegible]/ 45	2.2	5.5	2.4															39	39	36	27
[illegible]/ 43	.5	4.6	2.2															27	27	35	27
[illegible]/ 41	1.4	9.2	3.5															52	52	25	35
[illegible]/ 39	.5	8.4	1.6															39	39	38	31
[illegible]/ 37	3.8	4.3	.5															32	32	54	42
[illegible]/ 35	1.9	5.7	1.6															34	34	35	39
[illegible]/ 33	2.2	2.2																16	16	31	38
[illegible]/ 31	.8	2.4																12	12	17	26
[illegible]/ 29	1.5	3.5																19	19	21	21
[illegible]/ 27	2.2	.8																11	11	11	25
[illegible]/ 25	1.6	.8																9	9	11	14
[illegible]/ 23		.8																3	3	4	6
[illegible]/ 21	.3																	1	1	1	4
[illegible]/ 19	.3																	1	1	1	2
[illegible]/ 17																					1
[illegible]/ 15																					1
TOTAL	2[illegible].15	6.3	2[illegible].7	1.6	.3	.5													369		368
																		368		368	

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.	2794837	31893	86.7	9.162	368							
Dry Bulb	623960	14892	40.5	7.622	368		13.7					90
Wet Bulb	572423	14287	38.8	6.955	368		15.7					90
Dew Point	513283	13499	36.7	7.025	368		24.5					90

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | LAC KREUZNACH DL STATION NAME | 73-[illegible] YEARS | NOV MONTH

PAGE 1 | [illegible] HOURS (L. S. T.)

Temp. (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
[illegible]/ 61			.[illegible]	.2		.[illegible]	.2											[illegible]	6		
[illegible]/ 59			.4			.2												3	3		
[illegible]/ 57			.[illegible]	.[illegible]														7	7	3	
[illegible]/ 55			1.[illegible]	1.1	.2													14	14	3	3
[illegible]/ 53		.7	2.4	.9														[illegible]2	2[illegible]	4	
[illegible]/ 51		.5	2.[illegible]	1.3														26	26	[illegible]	4
[illegible]/ 4[illegible]		1.3	2.2	1.4														27	27	27	8
4[illegible]/ 47	.9	3.6	1.4	.7														37	37	41	21
[illegible]/ 45	.[illegible]	4.3	4.[illegible]	.4														[illegible]1	51	45	59
[illegible]/ 43	.4	6.5	4.9	1.1														71	71	54	25
[illegible]/ 41	.2	[illegible]	6.3															69	69	46	54
40/ 39	.7	7.4	2.4															58	58	74	52
[illegible]/ 37	2.2	3.4	1.4	.2														40	40	73	57
36/ 35	.9	3.8	1.1															32	32	45	73
34/ 33	1.1	2.[illegible]	.7															[illegible]1	21	31	55
[illegible]/ 31	.4	2.5	.2															17	17	25	[illegible]
[illegible]/ 29	1.6	2.9	.4															27	27	[illegible]7	31
2[illegible]/ 27	.9	2.2																17	17	22	33
[illegible]/ 25		.4																2	2	7	16
24/ 23		.7																4	4	3	14
[illegible]/ 21	.2																	1	1	2	8
[illegible]/ 19																					1
1[illegible]/ 17																					2
TOTAL	1[illegible]	45.4	33.2	7.8	.2	.4	.2												552		552
																		552		552	

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.	3774760	45308	82.1	10.072	552							
Dry Bulb	1010881	23241	42.1	7.663	552		11.1					9[illegible]
Wet Bulb	898694	21952	39.8	6.830	552		14.[illegible]					[illegible]
Dew Point	775397	20335	36.8	6.906	552		22.[illegible]					9[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
[illegible]265	BAD KREUZNACH DL	73-8[illegible]	NOV

PAGE [illegible] 12 0-14[illegible]
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
[illegible]4/ [illegible]				.5		.2	.2											5	5		
[illegible]/ 61			.5		[illegible]	.4												5	6		
[illegible]/ 59			.5	.[illegible]	1.1	.2												15	15		
[illegible]/ 57			.7	1.6	.[illegible]	.2												17	17	6	
56/ 55		.4	.5	3.9	.[illegible]													27	27	3	3
54/ [illegible]			1.[illegible]	2.7	.5													26	26	15	3
[illegible]/ 51		.5	2.[illegible]	1.5	.[illegible]													32	32	21	6
[illegible]/ 49	.[illegible]	1.1	2.[illegible]	1.3	.4													30	30	44	[illegible]
4[illegible]/ 47	.5	2.2	2.2	2.5	.4													43	43	45	17
4[illegible]/ 45		5.3	9.1	3.[illegible]	.7													103	103	46	54
[illegible]4/ 43		2.6	4.9	4.[illegible]														63	63	70	43
4[illegible]/ 41	.2	4.7	5.8	.4														61	61	55	56
4[illegible]/ 39	.2	2.6	1.[illegible]	.7														27	27	91	68
3[illegible]/ 37	1.5	2.4	.5	.4														26	26	55	52
3[illegible]/ 35	.4	1.3	1.8															19	19	25	6[illegible]
3[illegible]/ 33	.4	1.5	1.8															[illegible]3	20	22	53
[illegible]/ 31	.7	1.6	.7															17	17	27	39
[illegible]/ 29		1.8	.2															[illegible]1	11	16	25
[illegible]/ 27		.2																1	1	8	29
26/ 25																					18
24/ 23																					14
[illegible]/ 21																					1
TOTAL	4.[illegible]	26.1	37.3	24.6	4.[illegible]	.9	.2											549	549		549
																		549		549	

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.	3141418	41[illegible]56	74.8	11.392	549							
Dry Bulb	1156938	24882	45.3	7.303	549		4.8					90
Wet Bulb	980455	22939	41.8	6.335	549		8.4					90
Dew Point	796369	20587	37.5	6.669	549		20.7					90

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

2

USAFETAC
AIR WEATHER SERVICE /MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION BAD KREUZNACH DE STATION NAME [illegible] YEARS [illegible] MONTH

PAGE 1 [illegible] 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
[illegible] / 65				.2														1	1		
[illegible] / 63				.4														2	2		
[illegible] / 61			.6		.2		.4											6	6		
[illegible] / 59				2.3	1.2		.2											11	11	1	
[illegible] / 57				2.5														13	13	5	
[illegible] / 55			1.2	1.5	.2													16	15		3
[illegible] / 53			1.5	4.6														31	31	16	3
[illegible] / 51		1.0	2.8	1.2	.6													28	28	32	
[illegible] / 49	.2	1.1	3.6	1.8	.2													34	34	33	14
[illegible] / 47	.2	1.8	4.8	2.6	.6													46	46	46	28
[illegible] / 45		6.1	8.5	4.6	1.2													102	102	43	47
[illegible] / 43	.2	3.8	4.8	3.2														60	60	72	41
[illegible] / 41		2.4	5.2	.6														40	40	52	67
[illegible] / 39		2.8	1.2	.6														23	23	72	63
[illegible] / 37	.6	2.4	1.2	.6														24	24	44	44
[illegible] / 35	.4	1.6	2.8															24	24	24	49
[illegible] / 33		1.2	.8															9	9	20	51
[illegible] / 31	.4	2.6	.4															17	17	28	25
[illegible] / 29		1.2	.4															7	7	31	22
[illegible] / 27		.2																1	1	5	36
[illegible] / 25																					12
[illegible] / 23																					3
[illegible] / 21																					2
TOTAL	2.1	27.4	38.7	27.2	4.2		.6												504		504
																		504		504	

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.	2861893	376.13	74.6	10.586	504							90
Dry Bulb	1079019	23.39	45.7	7.169	504		4.5					90
Wet Bulb	915265	21243	42.1	6.293	504		7.9					90
Dew Point	744690	19086	37.9	6.602	504		18.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION [illegible] STATION NAME [illegible] YEARS DEC MONTH

PAGE [illegible] HOURS (L. S. T.) [illegible]

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
≥/ 57				.3														1	1		
56/ 55				.1	.1													2	2		
54/ 53			.2	.3	.3	.1												1.1	12		
52/ 51	.6	.2	.3															1.1	12	7	4
50/ 49		.2			.1													3	3	13	1
48/ 47		.6	1.2	.3														6	9	7	4
46/ 45		4.7	3.9	.3														34	34	15	17
44/ 43	.3	2.3	.5	1.1														16	16	3	14
42/ 41	.6	2.3	2.9	.3														23	27	25	23
40/ 39		9.4	1.1															80	40	14	15
38/ 37	3.4	5.2	1.8															40	40	62	29
36/ 35	2.1	8.6	1.3															46	46	34	26
34/ 33	1.6	3.9	1.7															26	26	55	47
32/ 31	1.6	3.1																18	13	29	41
30/ 29	1.3	4.4																24	24	26	42
28/ 27	2.9	2.4																21	21	13	43
26/ 25	1.6	1.6																11	12	11	14
24/ 23	1.1	2.1	.3															13	13	16	8
22/ 21	3.4	1.3																17	17	15	15
20/ 19	1.1																	4	4	9	1
18/ 17	1.	.3																6	6	6	1
16/ 15	.5																	2	2	2	0
14/ 13																					3
12/ 11																					1
10/ 9	.8																	3	3	3	1
8/ 7																					2
TOTAL	24.0	53.5	19.1	2.6	.8														383		383

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.	2051157	32829	85.7	9.869	383							
Dry Bulb	526990	13780	36.0	9.737	383		29.1					93
Wet Bulb	478352	13166	34.4	8.212	383		32.8					93
Dew Point	415782	12230	31.9	8.131	383		48.6					93

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

1 CENTRAL CLIMATOLOGY BRANCH
USAFETAC
2 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH

DATE _____ 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
[illegible]																					
[illegible]																					
[illegible]																					

CLIMATOLOGY BRANCH
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

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
/ 65					•													1	1		
64/ 57				•4.	•2.													2	2		
63/ 59				•	•4													17	13		
62/ 53			•4.	1.1.	•7.	•2.												13	17	5	
61/ 51		•4		•5	•4													9	9	5	1
60/ 49			•5.	2.1.	•2.	•4												20	22	23	4
59/ 47			2.4	2.5	•4	•1												20	22	24	1
58/ 45			2.5.	3.5.	•7.	•4.												42	42	28	35
57/ 43			3.1	3.1	3.1													55	55	36	25
56/ 41		•5.	4.2.	4.9.	•7.													57	57	33	37
/ 39		•2	4.9	4.	•2													45	45	38	38
54/ 37		1.3.	5.1.	5.1.	•5.													56	56	76	45
/ 35		1.1	3.4	2.2	•5	•2												40	45	61	39
52/ 33		•5.	4..	•3.	•2.													31	31	39	41
/ 31		•2	2.5	•2														0	20	41	53
50/ 29		1.1.	2.2.	1.4.	•2.													27	27	22	14
/ 27		3.0	5.1	•4														40	40	34	27
46/ 25			2..															11	11	27	6
/ 23		•5	•4															5	5	12	23
44/ 21			•4															2	2	1	26
/ 19		•5	•4															5	5	5	16
42/ 17		•2.	•4.															3	3	3	7
/ 15																				1	4
40/ 13																					1
39/ 11																					
TOTAL	9.2	43.6	34.5	12.8	2.2													553		553	553

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3472813	43369	78.4	11.389	553							
Dry Bulb	678048	21796	39.1	7.928	553		19.7					43
Wet Bulb	763106	20160	36.5	7.150	553		29.7					93
Dew Point	621102	18050	32.6	7.607	553		48.9					93

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

1 GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION NAME [illegible] YEARS [illegible] MONTH

[illegible] 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
/ 81					.2													1		
/ 80					.2													1		
/ 77				.2														1		
/ 76			.2	1.2	.4													12	12		
/ 75			1.4	1.0														11	11		
/ 74			.2	.4	.2													14	14		
/ 73		1.0	1.2	.2														11	11	14	
/ 72		2.0	3.2	.6														10	10	21	3
/ 71		4.2	4.0	.2														4	4	10	7
74/ 70		3.2	3.4	1.4	.2													11	11	13	15
/ 69	.4	3.4	5.6	2.4														16	16	16	11
/ 68	1.0	7.2	2.0	.4														13	13	15	14
74/ 67	2.0	3.8	4.2	.4														14	14	15	18
/ 66	.6	3.0	5.1	.6														16	16	19	17
74/ 65	.2	3.6	1.8	.2														17	17	20	11
/ 64	.2	1.8	.2	.2														10	10	12	17
/ 63		3.4	2.2	.2														24	24	20	25
/ 62	.4	3.4	.4															11	11	28	24
/ 61	.2	.4																3	3	12	12
/ 60	.2	.4																3	3	2	11
/ 59		.2																1	1	2	4
/ 58	.																	5	5	5	1
/ 57																					2
/ 56																					2
TOTAL	.94	.438	.211	.1	1.4													495			495
																	495		495		

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3126731	38943	78.5	17.960	495							
Dry Bulb	819774	19682	39.8	7.544	495		14.0					93
Wet Bulb	705806	18384	37.1	6.829	495		20.3					93
Dew Point	577843	16515	33.4	7.371	495		43.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

1 6265 BAD KREUZNACH DE 73-83

STATION NUMBER STATION NAME YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
08-10	MEAN	34.3	33.5	41.2	43.7	52.1	59.7	61.9	60.4	53.9	46.2	40.5	36.3	46.9
	S D	10.202	6.925	7.229	5.837	6.177	5.796	5.267	4.692	5.835	6.265	7.622	9.277	12.193
	TOTAL OBS	403	378	418	416	404	408	402	419	326	394	368	383	4724
09-11	MEAN	39.1	38.6	43.5	49.7	57.6	63.3	67.6	67.2	59.9	49.2	42.1	38.6	52.8
	S D	10.207	6.599	6.941	6.879	7.342	7.257	6.976	5.712	6.288	6.414	7.663	8.534	14.009
	TOTAL OBS	610	562	644	623	606	614	606	627	495	594	552	595	7133
12-14	MEAN	37.7	39.3	47.9	54.9	62.4	69.4	72.1	72.5	65.9	53.4	45.3	39.1	55.7
	S D	9.119	6.581	7.240	8.063	8.554	8.382	8.153	7.777	7.336	7.152	7.303	7.998	14.867
	TOTAL OBS	605	560	637	605	584	587	596	611	489	587	549	553	6963
15-17	MEAN	38.4	40.7	49.5	56.1	64.0	71.1	73.5	74.1	66.9	54.8	45.7	39.8	56.7
	S D	8.713	6.492	7.255	8.668	9.298	8.879	8.466	7.614	7.911	7.305	7.169	7.944	15.203
	TOTAL OBS	591	557	619	532	513	532	541	561	456	564	574	495	6464
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	36.5	37.6	45.7	51.6	59.4	66.8	69.3	69.1	62.3	51.3	43.6	37.9	52.6
	S D	9.674	7.170	7.954	8.834	9.117	8.754	8.539	8.159	8.490	7.574	7.719	8.376	14.046
	TOTAL OBS	2217	2057	2318	2176	2107	2141	2144	2218	1768	2139	1973	2026	25284

USAF ETAC FORM OCT 75 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATION

156265 BAD KREUZNACH DL 73-83

STATION		STATION NAME								YEARS				
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	[illegible]	[illegible]
06-08	MEAN	32.8	32.2	36.2	40.7	48.	55.1	57.2	56.7	51.3	44.5	36.8	[illegible]	[illegible]
	S D	9.350	6.303	6.767	5.437	5.320	5.091	4.193	4.496	5.319	5.76[illegible]	6.955	[illegible]	[illegible]
	TOTAL OBS	405	378	418	416	404	408	402	419	328	394	365	[illegible]	[illegible]
9-11	MEAN	33.3	33.7	40.3	44.1	50.9	57.4	59.7	59.8	54.9	46.5	39.8	[illegible]	[illegible]
	S D	9.337	5.660	6.147	5.494	5.449	5.404	4.546	4.[illegible]85	4.985	5.557	6.93	7.[illegible]14	11.46[illegible]
	TOTAL OBS	615	562	644	623	606	614	606	627	495	594	552	[illegible]	[illegible]
12-14	MEAN	35.0	36.1	42.7	46.5	52.9	58.8	61.1	61.4	57.6	48.9	41.[illegible]	[illegible]	[illegible]
	S D	8.174	5.575	5.918	5.756	5.743	5.673	4.674	4.[illegible]79	5.[illegible]93	5.547	6.335	7.[illegible]	11.2[illegible]
	TOTAL OBS	6[illegible]5	560	637	6[illegible]5	584	587	596	611	489	587	549	[illegible]	[illegible]
15-17	MEAN	35.	37.1	43.6	47.[illegible]	53.5	59.4	61.4	61.7	57.9	49.7	42.1	[illegible]	[illegible]
	S D	7.820	5.425	5.753	5.825	5.912	5.536	4.439	3.965	5.327	5.634	6.293	6.[illegible]	[illegible]
	TOTAL OBS	591	557	619	532	513	532	54[illegible]	561	45[illegible]	564	574	[illegible]	[illegible]
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	34.4	35.0	41.5	44.8	51.5	57.8	60.0	60.1	55.7	47.6	40.8	35.5	47.[illegible]
	S D	8.722	6.042	6.411	6.091	5.959	5.657	4.747	4.516	5.714	5.960	6.712	7.56[illegible]	11.313
	TOTAL OBS	2216	2057	2318	2176	2107	2141	2144	2216	1768	2139	1973	2026	25283

USAF ETAC FORM OCT 75 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

156262 BAD KREUZNACH DL 73-83

STATION		STATION NAME					YEARS							
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
06-08	MEAN	32.8	32.2	38.2	40.7	48.[illegible]	55.1	57.2	56.7	51.3	44.5	38.8	34.4	44.2
	S D	9.350	6.303	6.767	5.437	5.320	5.081	4.198	4.496	5.319	5.760	[illegible].755	8.212	11.919
	TOTAL OBS	405	378	418	416	404	408	402	419	328	394	368	383	4723
09-11	MEAN	33.3	33.7	40.3	44.1	5[illegible].9	57.4	59.7	59.8	54.9	46.5	39.8	34.8	46.3
	S D	9.337	5.860	6.147	5.494	5.449	5.404	4.546	4.085	4.985	5.557	6.830	7.814	11.461
	TOTAL OBS	615	562	644	623	606	614	606	627	495	594	552	595	7133
12-14	MEAN	35.2	36.1	42.7	46.5	52.9	58.8	61.1	61.4	57.6	48.9	41.8	3[illegible].5	48.3
	S D	8.174	5.575	5.918	5.756	5.743	5.673	4.674	4.079	5.093	5.647	6.335	7.15[illegible]	11.210
	TOTAL OBS	6[illegible]5	560	637	6[illegible]5	584	587	596	611	489	587	549	553	6963
15-17	MEAN	35.[illegible]	37.1	43.6	47.[illegible]	53.5	59.4	61.4	61.7	57.9	49.7	42.1	37.1	48.7
	S D	7.820	5.425	5.753	5.825	5.912	5.536	4.439	3.965	5.327	5.634	6.293	6.829	11.062
	TOTAL OBS	591	557	619	532	513	532	540	561	456	564	504	495	6464
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	34.4	35.0	41.5	44.8	51.5	57.8	60.0	60.1	55.7	47.6	40.8	35.8	47.0
	S D	8.722	6.042	6.411	6.091	5.959	5.657	4.747	4.516	5.714	5.960	6.712	7.560	11.313
	TOTAL OBS	2216	2057	2318	2176	2107	2141	2144	2216	1768	2139	1973	2026	25283

USAF ETAC FORM OCT 78 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

17[illegible] BAD KREUZNACH GE 73-83

STATION NAME YEARS

HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	33.4	29.9	35.5	36.9	44.1	51.3	53.5	53.6	48.9	42.8	36.7	31.9	41.4
6-9	S D	9.122	6.423	7.3[illegible]	6.154	6.[illegible]15	5.687	4.556	5.114	5.573	5.[illegible]84	7.025	8.171	10.803
	TOTAL OBS	435	378	418	416	404	408	402	419	328	394	368	383	4727
	MEAN	33.5	33.5	36.1	37.4	44.5	51.2	53.9	54.3	50.7	43.7	36.8	32.[illegible]	41.8
9-12	S D	9.17	6.199	6.838	6.461	6.219	6.258	5.205	4.968	5.426	5.731	6.906	7.922	10.907
	TOTAL OBS	618	562	644	623	606	614	606	627	495	594	552	595	7133
	MEAN	31.4	31.2	36.3	37.1	44.2	50.7	53.3	53.5	51.[illegible]	44.5	37.5	32.6	41.9
12-14	S D	8.422	6.323	6.963	6.996	6.844	6.715	5.474	5.113	5.791	6.[illegible]18	6.669	7.607	10.592
	TOTAL OBS	605	560	637	6[illegible]5	584	587	596	611	489	587	549	553	6963
	MEAN	31.6	31.8	36.3	36.9	43.9	50.4	52.7	52.8	5[illegible].8	44.7	37.9	33.4	41.8
15-17	S D	8.183	6.449	7.341	7.026	7.099	6.591	5.453	5.341	6.102	6.123	6.602	7.371	10.362
	TOTAL OBS	591	557	619	532	513	532	540	561	456	564	504	495	6464
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN	31.1	31.0	36.1	37.1	44.2	50.9	53.4	53.6	50.5	44.[illegible]	37.3	32.5	41.7
	S D	8.712	6.375	7.095	6.697	6.58[illegible]	6.351	5.250	5.159	5.778	5.980	6.798	7.762	10.665
	TOTAL OBS	2216	2057	2318	2176	21[illegible]7	2141	2144	2218	1768	2139	1973	2026	25283

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10626[illegible] BAD KREUZNACH DL 74-[illegible] JAN

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	91.9	76.5	35.1	84.1	405
	09-11	100.0	100.0	100.0	100.0	100.0	98.2	88.[illegible]	64.7	28.5	84.[illegible]	615
	12-14	100.0	100.0	100.0	100.0	99.8	95.7	74.7	41.5	15.2	78.6	6[illegible]5
	15-17	100.0	100.0	100.0	100.0	100.0	94.1	71.9	39.4	10.5	77.5	591
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	100.0	96.8	81.6	55.5	22.3	81.6	2216

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
1[illegible]6265	BAD KREUZNACH DL	74-83	FEB

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
FEB	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	93.4	79.9	4[illegible].7	87.[illegible]	378
	09-11	100.0	100.0	100.0	100.0	99.6	95.9	82.2	63.2	24.9	82.2	562
	12-14	100.0	100.0	100.0	98.6	95.[illegible]	82.3	57.7	36.3	11.6	73.9	560
	15-17	100.0	100.0	99.6	98.0	9[illegible].7	77.4	55.5	33.[illegible]	11.3	72.1	557
	18-20											
	21-23											
TOTALS		100.0	100.0	99.9	99.2	96.3	88.8	72.2	53.1	22.1	7[illegible].8	2[illegible]57

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

16265 BAD KREUZNACH DE 74-83 MAR

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%		
MAR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.8	96.4	87.8	69.1	24.4	83.8	418
	09-11	100.0	100.0	100.0	99.7	97.8	87.6	67.4	38.0	10.2	76.0	644
	12-14	100.0	100.0	99.2	95.1	87.3	62.8	38.1	15.5	2.2	65.6	637
	15-17	100.0	100.0	97.4	92.2	77.5	51.7	32.8	13.3	2.9	62.3	619
	18-20											
	21-23											
TOTALS		100.0	100.0	99.2	96.8	90.6	74.6	56.5	34.1	9.9	71.9	2318

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 [illegible] BAD KREUZNACH DL | 74-83 | APR
STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.0	92.8	73.6	42.3	9.4	77.5	416
	09-11	100.0	100.0	99.8	96.1	82.0	56.3	33.5	11.1	1.9	64.1	623
	12-14	100.0	100.0	93.9	78.2	57.4	3 .6	15.2	5.5	1.5	53.4	675
	15-17	1 0.0	99.6	90.3	69.2	46.8	27.4	13.0	5.5	1.7	51.3	532
	18-20											
	21-23											
TOTALS		100.0	99.9	95.9	85.9	70.3	52.3	35.1	16.2	3.4	61.6	2176

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1[illegible]6265 BAD KREUZNACH DL 74-8[illegible] MAY
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%		
MAY	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	97.8	89.9	68.8	30.7	7.7	75.2	4[illegible]4
	09-11	100.0	100.0	100.0	96.0	8[illegible]	54.6	3[illegible].7	12.5	3.8	63.2	606
	12-14	100.0	100.0	95.9	77.1	51.9	31.[illegible]	18.8	7.4	1.9	53.7	584
	15-17	100.0	100.0	91.8	64.5	45.[illegible]	28.5	16.8	6.2	1.6	5[illegible].8	513
	18-20											
	21-23											
TOTALS		100.0	100.0	96.9	84.4	68.7	51.0	33.8	14.2	3.8	6[illegible].7	2[illegible]7

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10265 BAD KREUZNACH DL 77-82 JUN
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%		
JUN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.8	98.8	91.0	71.1	26.2	2.9	74.3	428
	09-11	100.0	100.0	100.0	95.1	79.2	52.3	26.5	8.5	.8	61.7	614
	12-14	100.0	100.0	97.4	78.9	57.8	29.5	13.1	3.4	.5	53.1	587
	15-17	100.0	100.0	93.4	70.9	44.4	20.9	9.2	3.4	.6	50.0	532
	18-20											
	21-23											
TOTALS		100.0	100.0	97.7	86.2	69.1	48.2	30.0	10.4	1.2	59.8	2141

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10626 BAD KREUZNACH DL 77-82 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.5	97.3	89.6	71.4	28.4	4.7	74.8	402
	09-11	100.0	99.7	99.2	96.7	81.5	55.6	33.	11.6	1.7	63.2	636
	12-14	100.0	99.5	95.8	80.5	55.2	26.4	15.4	5.7	.3	53.7	596
	15-17	100.0	99.3	91.9	76.6	43.7	23.5	12.8	4.6	1.3	50.5	540
	18-20											
	21-23											
TOTALS		100.0	99.6	96.7	86.8	69.4	49.3	33.2	12.6	2.0	60.6	2144

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
106265	BAD KREUZNACH DL	73-82	AUG

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
AUG	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.5	97.1	86.6	40.3	10.0	79.1	419
	09-11	100.0	100.0	100.0	98.6	86.3	6[illegible].1	30.5	11.5	2.9	64.5	627
	12-14	100.0	100.0	97.1	80.0	50.2	27.0	12.4	5.9	.2	53.	611
	15-17	100.0	99.3	92.7	67.7	42.2	22.5	10.2	4.3	.5	42.7	561
	18-20											
	21-23											
TOTALS		100.0	99.8	97.5	86.6	69.6	51.7	35.0	15.6	3.4	61.6	2218

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
1[illegible]6265	BAD KREUZNACH DL	73-[illegible]	[illegible]

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
SEP	00-02											
	03-05											
	06-08	100.0	100.0	100.	100.0	100.0	99.1	91.5	64.6	19.8	83.5	328
	09-11	100.0	100.0	100.0	99.4	96.6	84.0	59.8	25.5	6.3	72.5	495
	12-14	100.0	100.0	99.6	93.3	73.6	46.4	22.9	9.[illegible]	.4	60.1	489
	15-17	100.0	100.0	99.5	98.2	69.3	39.5	19.5	6.6	.7	57.8	456
	18-20											
	21-23											
TOTALS		100.0	100.0	99.5	95.2	84.9	67.3	48.5	26.4	6.8	68.5	1768

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 [illegible] BAD KREUZNACH DL [illegible] OCT
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	1[illegible]	99.5	97.5	79.4	45.7	88.3	594
	9-11	1[illegible]0.0	1[illegible]0.0	100.0	100.0	99.7	97.3	86.2	56.9	26.9	82.1	594
	12-14	1[illegible]0.0	100.0	100.0	99.3	95.2	82.5	61.6	28.1	8.0	72.9	587
	15-17	100.0	100.0	100.0	98.[illegible]	93.1	72.7	51.6	22.9	6.6	7[illegible].1	564
	18-20											
	21-23											
TOTALS		100.0	100.0	100.[illegible]	99.3	97.[illegible]	88.0	74.2	47.[illegible]	21.8	78.4	7139

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 4765 BAD KREUZNACH DE 77-8. NOV
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
NOV	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	97.7	76.5	37.8	86.7	366
	09-11	100.0	100.0	100.0	100.0	99.6	98.6	85.9	57.9	22.3	81.1	552
	12-14	100.0	100.0	100.0	100.0	99.4	87.4	61.7	29.3	10.4	74.8	549
	15-17	100.0	100.0	100.0	100.0	99.4	90.9	62.5	28.3	8.1	74.6	574
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.4	94.5	75.6	48.1	19.8	79.6	1973

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION [illegible] STATION NAME BAD KREUZNACH GE PERIOD [illegible] MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
DEC	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.7	98.7	92.2	72.7	34.7	85.7	593
	09-11	100.0	100.0	100.0	100.0	100.0	98.2	87.4	64.7	26.7	83.0	595
	12-14	100.0	100.0	100.0	100.0	99.1	92.6	73.6	43.0	15.4	78.5	597
	15-17	100.0	100.0	100.0	100.0	98.8	93.9	75.7	41.4	14.9	78.6	595
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.4	95.9	82.1	55.0	20.9	81.6	2380

AD-A140 243 BAD KREUZNACH GERMANY(WEST) LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 23 JAN 84 USAFETAC/DS-84/003 3/3

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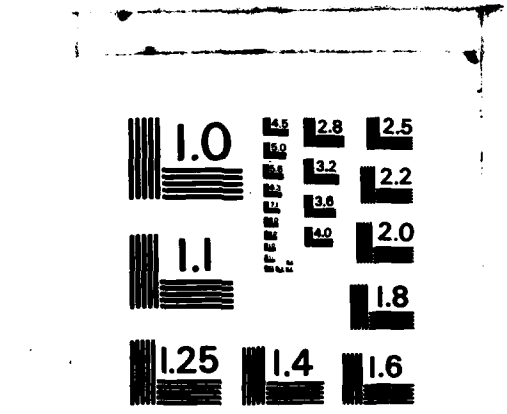


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

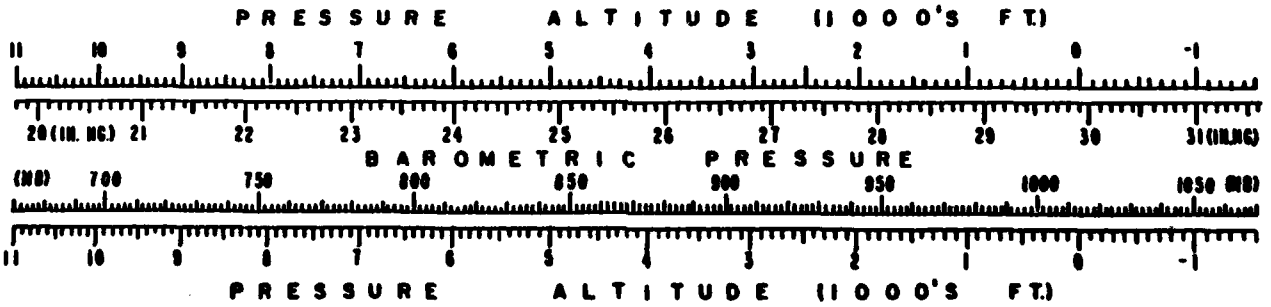
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided 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.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

106265 BAD KREUZNACH DL 73-83

STATION STATION NAME YEARS

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN													
	S.D.													
	TOTAL OBS													
04	MEAN													
	S.D.													
	TOTAL OBS													
07	MEAN	29.678	29.645	29.578	29.617	29.608	29.664	29.646	29.689	29.713	29.632	29.688	29.573	29.643
	S.D.	.325	.370	.288	.217	.210	.162	.152	.151	.217	.304	.309	.407	.273
	TOTAL OBS	202	189	203	208	202	204	201	209	164	197	184	183	2346
10	MEAN	29.702	29.659	29.587	29.625	29.607	29.667	29.646	29.695	29.725	29.648	29.713	29.611	29.655
	S.D.	.326	.371	.283	.217	.211	.161	.152	.150	.211	.307	.304	.415	.274
	TOTAL OBS	205	187	215	208	202	205	203	209	165	198	184	198	2379
13	MEAN	29.684	29.652	29.574	29.600	29.596	29.653	29.629	29.675	29.700	29.634	29.705	29.588	29.639
	S.D.	.327	.366	.278	.213	.201	.160	.150	.145	.208	.307	.295	.412	.271
	TOTAL OBS	201	187	213	202	194	194	198	204	163	194	183	185	2318
16	MEAN	29.664	29.635	29.553	29.576	29.576	29.633	29.612	29.654	29.677	29.629	29.701	29.584	29.622
	S.D.	.331	.349	.274	.209	.193	.156	.146	.142	.208	.296	.305	.411	.265
	TOTAL OBS	197	185	211	202	194	195	199	204	162	185	162	168	2264
19	MEAN													
	S.D.													
	TOTAL OBS													
22	MEAN													
	S.D.													
	TOTAL OBS													
ALL HOURS	MEAN	29.682	29.648	29.573	29.608	29.597	29.655	29.633	29.678	29.704	29.636	29.702	29.589	29.640
	S.D.	.327	.363	.281	.215	.204	.160	.151	.148	.211	.303	.303	.411	.271
	TOTAL OBS	805	748	842	820	792	798	801	826	654	774	713	734	9307

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