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HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81

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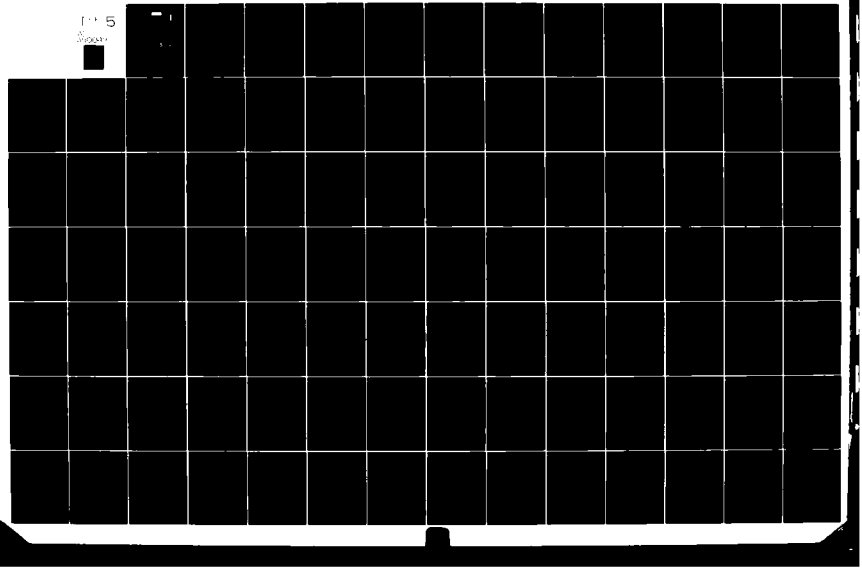

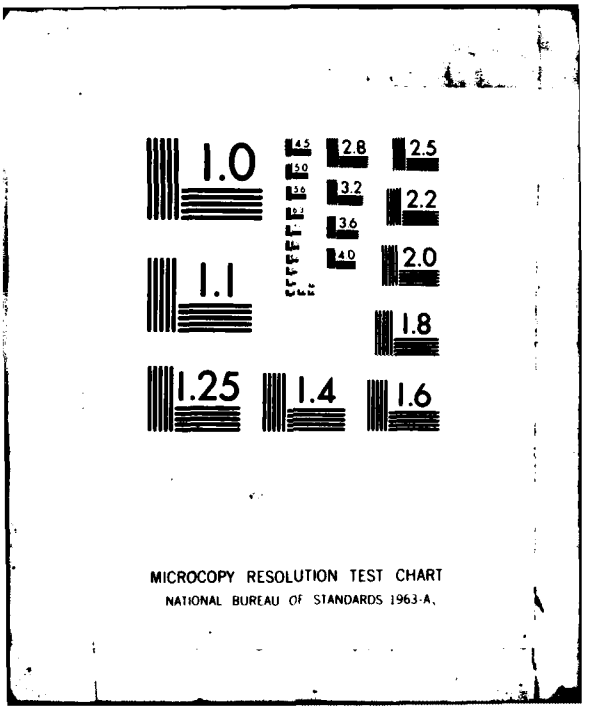
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MICROCOPY RESOLUTION TEST CHART
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8 OCT 1981

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

HEIDELBERG AAF DL WBAN #34046
N 49 24 E 008 39 FLD ELEV 357 FT EDIE WMO #10734

PARTS A-F
POR FROM HOURLY OBS: MAR 68 - DEC 70, JAN 74 - FEB 81

POR FROM DAILY OBS: APR 51 - FEB 81

TIME CONVERSION GMT TO LST: +1

OCT 05 1981

FEDERAL BUILDING
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS- 81/090	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Hiedelberg AAF, Germany		5 TYPE OF REPORT & PERIOD COVERED Final rept. 6. PERFORMING ORG. REPORT NUMBER
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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
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16 DISTRIBUTION STATEMENT (of this Report)

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

18 SUPPLEMENTARY NOTES

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

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

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

This report is a six-part statistical summary of surface weather observations for Hiedelberg AAF, Germany

It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

DD FORM 1 JAN 73 1473

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

* GERMANY *

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

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REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER DATA NOT AVAILABLE

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

PART F STATION PRESSURE
SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2400 hours local standard time.

MISSING HOUR GROUPS

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

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



STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
34046	HEIDELBERG AAF GERMANY	N 49 24	E 008 39	357	EDIE	10734

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Heidelberg AAF, Germany	AAF	Apr 51	Feb 56	N 49 24	E 008 39	360	368	24
2	Same	Same	Mar 56	Feb 64	Same	Same	357	359	24
3	Same	Same	Mar 64	Jul 72	Same	Same	357	Same	24
4	Same	Same	Aug 72	Jun 81	Same	Same	357	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 51 to Feb 59	Located on roof of Weather Station.	AN/GMQ-1	ML-204B	40 Ft	
2	Mar 59 to Feb 60	Located 100 yds off approach end of the Rnwy.	Same	Same	7 Ft	
3	Mar 60 to Feb 62	Located on top of Fire Station, 2/10 NM from approach end Rnwy 26.	AN/GMQ-1	None	35 Ft	
4	Mar 62 to Feb 64	Located on Control Tower.	Same	None	50 Ft	
5	Mar 64 to Jan 65	Same	Same	None	55 Ft	
6	Feb 65 to Feb 71	Located 600 ft NW of Bldg 216, 100 ft S of Rnwy Complex.	Same	RO-2	13 Ft	

CONTINUED ON REVERSE SIDE



NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 71to Feb 78	Same	Same	Same	Same	
8	Mar 78to Jun 81	Same	Same	RO-362	Same	



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PART A WEATHER CONDITIONS

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

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

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

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

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

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

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

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 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
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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
3 4	HEIDELBERG AAF GL	69-7[illegible],74-81	JAN

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.
JAN	0-[illegible]2		15.4	.5	7.1		22.[illegible]	32.5	4.7			37.2	929
	03-05	.1	14.5	1.1	6.8		21.9	34.8	3.			37.8	930
	06-08		16.2	.9	5.9		22.4	37.6	4.7			42.4	930
	09-11		15.7	.3	7.4		22.6	38.4	6.9			45.3	930
	12-14		14.4	.3	6.1		20.3	36.3	10.6			41.0	930
	15-17		14.3	.2	4.8		18.9	37.2	12.8			40.5	930
	18-20	.1	14.5	.3	5.1		19.4	31.4	8.5			39.9	930
	21-23		15.1	.3	6.5		21.4	30.5	5.8			36.3	930
TOTALS		.0	15.[illegible]	.5	6.2		21.1	32.8	7.1			40.0	7439

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WEATHER CONDITIONS

3[illegible] 4[illegible]	HEIDELBE[illegible]C AAF [illegible]L	69-7[illegible],74-81	Fe[illegible]
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.
[illegible]E[illegible]	[illegible]0-[illegible]2		12.[illegible]		6.1		18.2	29.2	6.3			35.5	[illegible]46
	[illegible]3-35		12.[illegible]		6.9		19.5	32.2	3.5			35.7	[illegible]46
	6- 8		14.5		9.[illegible]		22.9	33.8	5.6			39.4	[illegible]46
	[illegible]9-11		14.4		9.[illegible]		22.7	31.6	11.6			43.1	[illegible]46
	12-14		12.4	.2	6.7		19.1	19.	19.5			38.5	[illegible]46
	15-17	.1	11.[illegible]		6.3	.2	18.4	13.2	20.6			33.2	[illegible]46
	18-2	.1	12.6	.4	4.6		17.5	21.3	15.2			36.5	[illegible]46
	[illegible]1-23		13.4	.1	3.3		16.7	20.7	9.[illegible]			36.[illegible]	646
TOTALS		.0	13.1	.1	6.5	.	19.4	25.9	11.4			37.3	6768

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
3 4.	MIDDLEBURG AAF FL	68-73,74-80	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		14.5		1.2		15.3	12.5	16.2			22.7	929
	03-05		12.7		1.1		13.3	20.0	8.7			28.7	931
	06-08		16.3		3.2		19.1	27.9	10.6			37.9	930
	09-11	.1	15.1		3.4		17.4	19.9	32.0			41.1	930
	12-14		12.9		1.7		14.6	5.4	29.0			34.4	930
	15-17	.2	13.3		1.3		14.7	3.3	21.4			24.7	931
	18-20	.2	15.9		1.3		17.1	4.7	18.7			23.4	930
	21-23		16.6		.9		17.3	6.6	12.9			19.5	930
TOTALS		.1	14.7		1.7		16..	12.3	16.6			28.9	7439

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

WEATHER CONDITIONS

3[illegible]4 MIDDLEBE[illegible]G AAF OL 68-7[illegible],74-8[illegible] AP[illegible]

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	0-02		14.2		.3		14.6	7.1	3.6			1[illegible].7	9[illegible]
	03- 5	.1	14.2		.8		14.8	11.1	4.3			1[illegible].4	9[illegible]
	6-08		16.1		1.3		17.1	23.6	10.0			33.6	899
	09-11		14.7		1.[illegible]	.1	15.6	8.5	18.[illegible]			26.5	898
	12-14		12.7		.7	.1	13.2	3.6	12.[illegible]			15.6	899
	15-17	.9	14.7		.2		14.9	1.8	5.7			7.5	899
	[illegible]8-2	.4	13.4				13.4	2.2	4.3			6.6	9[illegible]0
	[illegible]1-23	.2	13.1		.2		13.3	4.2	3.6			7.8	899
TOTALS		.2	14.1		.6	.[illegible]	14.6	7.8	7.7			15.5	7194

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WEATHER CONDITIONS

3 4 | HEIDELBERG AAF DL | 63-70,74-80 | MAY
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.
MAY	00-02	.5	13.1				13.1	9.7	4.1			13.8	930
	3-5	.2	11.6				11.6	18.6	5.1			23.7	930
	6-8	.4	11.8				11.8	24.0	10.5			34.5	93[illegible]
	9-11	.4	11.3				11.3	7.3	17.4			24.7	930
	12-14	1.0	14.6		.1		14.6	1.9	10.3			12.3	930
	15-17	1.7	11.3				11.3	1.8	6.0			7.8	930
	18-20	1.6	11.1				11.1	2.4	3.5			5.9	930
	21-23	1.0	11.5				11.5	4.9	3.7			8.6	930
TOTALS		.9	12.0		.0		12.0	8.8	7.6			16.4	7440

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WEATHER CONDITIONS

3[illegible] HEIDELBERG AAF GE 66-70,74-80 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	1.8	12.2				12.2	10.6	4.7			15.2	900
	03-05	1.3	9.2				9.2	24.1	5.4			29.6	900
	06-08	.7	10.2				10.2	24.1	12.9			37.0	900
	09-11	.4	9.7				9.7	7.7	18.4			26.1	900
	12-14	1.7	10.4				10.4	2.6	11.3			13.9	900
	15-17	4.6	10.8				10.8	1.3	6.2			7.6	900
	18-20	3.0	9.8			.1	9.9	2.4	3.7			6.1	900
	21-23	1.9	10.3				10.3	5.3	5.2			10.6	900
TOTALS		1.9	10.3			.0	10.3	9.8	8.5			18.3	7200

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AI[illegible] WEATHER SERVICE/MAC

WEATHER CONDITIONS

3[illegible]4[illegible]	HEIDELBERG AAF GE	68-7[illegible],74-80	JUL
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.
JUL	[illegible]0-02	1.1	9.7				9.7	1[illegible].6	2.5			13.1	930
	[illegible]3-[illegible]5	1.0	7.4				7.4	22.6	4.9			27.5	930
	[illegible]6-[illegible]8	.8	1[illegible].9				10.9	24.7	11.7			36.5	930
	[illegible]9-11	.5	1[illegible].3				1[illegible].3	8.7	16.[illegible]			24.7	930
	12-14	.8	9.6				9.6	3.3	8.5			11.6	930
	[illegible]5-17	3.0	8.7				8.7	1.3	4.6			5.9	93[illegible]
	[illegible]8-2[illegible]	2.[illegible]	8.1				8.1	2.5	3.3			5.8	930
	[illegible]1-23	2.5	9.5				9.5	4.4	4.4			8.8	930
TOTALS		1.5	9.3				9.3	9.8	7.[illegible]			16.8	7440

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
3[illegible]4[illegible]	HEIDELBERG AAF GL	66-70,74-80	AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.0	7.6				7.6	12.0	5.1			17.1	930
	3-05	.5	10.9				10.9	24.8	4.2			29.0	930
	06-08	.2	10.8				10.8	32.9	11.5			44.4	930
	09-11		9.4				9.4	13.1	23.5			36.7	930
	12-14	1.3	8.2				8.2	3.1	18.2			21.3	930
	15-17	2.6	8.3				8.3	1.6	11.5			13.1	930
	18-20	3.3	6.8				6.8	2.4	11.4			13.8	930
	21-23	1.7	8.3				8.3	6.8	8.0			14.7	930
TOTALS		1.4	8.8				8.8	12.1	11.7			23.8	7440

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
3[illegible]48	HEIDELBERG AAF GE	68-70,74-80	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.3	8.0				8.0	24.7	3.6			28.2	900
	03-05	.2	6.0				6.0	36.9	3.0			39.9	900
	06-08	.4	8.2				8.2	48.4	5.4			53.9	900
	09-11	.1	9.1				9.1	23.3	23.3			46.7	900
	12-14	.4	7.8				7.8	5.6	22.4			28.0	900
	15-17	1.4	6.7				6.7	2.1	13.8			15.9	900
	18-20	.8	8.9				8.9	4.6	13.4			18.0	900
	21-23	.7	8.7				8.7	14.0	9.8			23.8	900
TOTALS		.5	8.1				8.1	20.0	11.8			31.8	7200

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

3[illegible] 4[illegible]	HEIDELBERG AAF GL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02		10.8				10.8	38.4	5.7			44.1	930
	03-05		12.9				12.9	46.6	4.6			51.2	930
	06-08		14.5				14.5	54.4	4.2			58.6	930
	09-11		13.5				13.5	43.3	14.4			57.7	930
	12-14		12.3				12.3	21.9	23.4			45.4	930
	15-17	.6	10.6		.1	.1	10.8	16.0	20.4			36.5	930
	18-20	.1	11.5				11.5	26.2	12.5			38.7	930
	21-23	.2	11.1				11.1	34.9	7.0			41.9	930
TOTALS		.1	12.2		.0	.0	12.2	35.2	11.5			46.8	7440

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

STATION	STATION NAME	YEARS	MONTH
3 4	HEIDELBERG AAF GE	68-70,74-80	NOV

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		13.6		1.9		14.9	29.1	4.6			33.7	900
	03-05		16.1		3.1		18.1	31.6	2.7			34.2	900
	06-08		14.9		3.2		17.2	35.4	3.9			39.3	900
	09-11		15.4		4.1		18.9	34.3	6.6			40.9	900
	12-14	.1	14.6		2.7	.2	17.3	24.6	11.9			36.7	900
	15-17		13.4		2.7		15.6	21.4	12.2			33.7	900
	18-20	.1	12.2		2.0		14.0	25.7	8.0			33.7	900
	21-23		14.0		1.7		15.6	28.0	4.3			32.3	900
TOTALS		.0	14.3		2.7	.0	16.5	28.8	6.8			35.6	7200

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

GLOBAL CLIMATOLOGY BRANCH
USAETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

3 4 | HEIDELBERG AAF DL | 68-71,74-80 | 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		12.3	.3	5.1		17.3	29.1	7.7			36.9	930
	03-05		14.3	.5	4.2		18.9	30.2	7.5			37.7	930
	06-08		15.7	.9	4.7		21.3	30.8	7.7			38.5	930
	09-11		14.7	1.0	7.8		23.4	31.5	9.2			40.8	930
	12-14	.1	15.8	.8	7.6		23.4	24.7	12.9			37.6	930
	15-17	.1	12.9	.3	6.3		18.4	25.1	16.5			41.5	930
	18-20	.1	12.[illegible]	.9	5.6		17.1	27.7	12.6			41.3	930
	21-23		9.6	1.0	5.9		16.6	28.9	9.1			38.1	930
TOTALS		.0	13.4	.7	5.9		19.5	28.5	10.4			38.9	7440

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
3 4.	HEIDELBERG AAF GE	68-70,74-81	ALL

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.
JAN	ALL	.0	15.0	.5	6.2		21.1	32.8	7.1			4[illegible]	7439
FEB		.0	13.1	.1	6.5	.0	19.4	25.9	11.4			37.3	6768
MAR		.1	14.7		1.7		16.0	12.3	16.6			28.9	7439
APR		.2	14.1		.6	.1	14.6	7.8	7.7			15.5	7194
MAY		.9	12.0		.0		12.0	3.8	7.6			16.4	7440
JUN		.9	10.3			.0	10.3	9.8	8.5			18.3	7200
JUL		1.5	9.3				9.3	9.8	7.0			16.8	7440
AUG		1.4	6.8				8.8	12.1	11.7			23.8	7440
SEP		.5	6.1				8.1	20.0	11.8			31.8	7200
OCT		.1	12.2		.0	.0	12.2	35.2	11.5			46.8	7440
NOV		.0	14.3		2.7	.0	16.5	28.8	6.8			35.6	7200
DEC		.0	13.4	.7	5.9		19.5	28.5	10.4			38.9	7440
TOTALS		.6	12.1	.1	2.0	.0	14.0	19.3	9.8			29.2	87640

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

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

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

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

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



GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

34 46	HEIDELBERG AAF DL	51-81	ALL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.4	49.8	3.0	33.5	.3	67.1	69.8	65.9	.2		89.4	930
FEB		.9	46.1	1.7	30.7	.6	62.6	65.4	71.3	.4		86.8	848
MAR		1.7	48.3		14.5	.7	55.7	48.5	72.7	.1		80.6	899
APR		5.9	56.1		6.4	2.5	57.0	45.7	67.7			76.0	880
MAY		15.2	56.5		.5	2.0	56.5	43.1	63.3			73.0	930
JUN		22.0	57.1			1.3	57.1	45.2	64.7		.1	75.0	900
JUL		18.5	52.4			1.0	52.4	43.3	64.4			74.3	930
AUG		17.5	53.1			.4	53.1	48.5	65.5			75.2	930
SEP		7.1	46.8			.6	46.8	64.2	73.2			81.3	900
OCT		1.9	47.8		.5	.1	47.8	72.9	74.1			87.2	929
NOV		.7	59.2	.1	12.6	.2	63.0	68.0	66.7			84.3	888
DEC		.4	54.3	4.0	24.3	.2	66.2	70.2	64.5			88.3	916
TOTALS		7.7	52.3	.7	10.2	.8	57.1	57.1	67.8	.1	.0	80.9	10880



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APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

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

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

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

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

Continued on Reverse Side

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



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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
51-81 — YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	32.4	18.5	7.0	14.6	9.6	12.2	4.2	1.5	.1					49.1	930	1.79	4.31	.64
FEB	36.4	18.0	4.7	12.3	8.5	14.7	3.5	1.5	.2					45.5	848	1.74	5.27	.01
MAR	42.9	19.4	4.9	11.6	6.0	8.2	5.3	1.6	.2					37.8	899	1.63	4.01	.28
APR	41.9	15.4	6.4	10.6	7.5	11.1	5.8	1.0	.3					42.7	881	1.83	3.91	.01
MAY	42.9	12.7	3.1	12.3	8.0	10.6	7.6	2.3	.4	.1				44.4	930	2.49	6.98	.38
JUN	41.7	13.7	3.1	9.0	6.6	12.0	8.2	5.1	.6					44.6	899	3.04	6.17	.60
JUL	46.6	13.0	4.8	5.8	6.1	10.9	7.6	4.2	1.0					40.4	930	2.99	6.94	.27
AUG	45.3	13.7	3.7	7.7	5.2	11.8	8.6	3.1	.8	.2				41.1	930	2.97	7.06	1.25
SEP	52.9	11.7	3.7	8.2	5.6	7.8	6.4	3.3	.4					35.4	900	2.19	5.82	.11
OCT	51.4	13.3	3.3	8.1	7.3	8.8	5.4	2.6	.1					35.6	930	1.88	5.27	.04
NOV	37.3	16.4	4.7	13.4	8.5	10.9	6.7	2.0	.2					46.3	898	2.15	4.48	.19
DEC	33.3	21.3	6.0	12.2	8.9	11.4	5.0	1.5	.4					45.4	929	1.97	4.40	.11
ANNUAL	42.1	15.6	4.6	10.5	7.3	10.9	6.2	2.5	.4	.0				42.4	10904	26.67		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .01	.70	.55	.50	.49	1.03	.63	1.07	.40	
52	.56	.31	.73	.38	.39	.34	.31	2.52	.48	.52	.96	.66	2.52
53	.15	.66	.16	.36	.57	.87	1.11	.44	.53	.76	.15	.28	1.11
54	.61	.24	.49	.34	.98	.78	.40	.77	.51	.69	.10	.45	.98
55	1.02	.32	.17	.51	.97	1.12	.75	.37	.81	.57	.08	.43	1.12
56	.57	.70	.45	1.12	.43	.56	.87	1.48	.55	.40	.61*	.42	1.48
57	.26	.52	.65	.31	.29	.49	1.24	.79	.77	.25	.13	1.42	1.42
58	.41	.55	.36	.48	.35	.75	.86	1.64	.39	.61	.63	.78	1.64
59	.43	.01	.62	.40	.39	.40	.64	2.70	.09	.57	.26	.31	2.70
60	.43	.23	.50	.37	.82	.42	.88	1.19	.39	.61	.45	.44	1.19
61	.47	.25	.47	1.07	.53	1.75	1.96	.58	.22	.29	.38	1.08	1.96
62	.48	1.20	.55	.28	1.03	.70	.60	.50	.47	.25	.16	.48	1.20
63	.19	.26	1.04	.28	.44	1.52	.52	.68	.44	1.47	.79	.07	1.52
64	.17	.28	.44	.73	1.13	.70	.49	.30	1.32	.34	.49	.30	1.32
65	.62	.18	.65	.45	.84	1.49	1.48	.58	.66	.07	.88	1.13	1.49
66	.52	.56	.36	.25	.89	.52	.80	1.00	.37	.61	.41	.77	1.00
67	.21	.50	.63	.64	.78	.53	.65	.45	1.55	.26	.47	.46	1.55
68	.63	.31	.43	1.67	.79*	1.39	.78	1.43	.82	.80	.25	.30	1.67
69	.51	.52	.39	.47	1.05	.70	1.56	.88	.36	.04	.33	.30	1.56
70	.73	1.16	.46	.70	1.37	.47	.37	.42	.85	.44	.22	.56	1.37
71	.27	.18	.11	.66	.43	.71	.11	.80	.24	.29	.49	.17	.80
72	.27	.22	.23	.47	.78	.69	1.27	1.06	.53	.71	.79	.17	1.27
73	.20	.33	.35	.32	.46	.84	.48	.83	.51	.66	.62	.27	.84
74	.46	.38	.43	.29	.87	.39	1.46	.55	.23	.71	.69	.48	1.46
75	.31	.64	.65	.40	.18	.68	.91	1.15	.67	.22	.56	.50	1.15
76	.54	.60	.30	.25	.19	.49	2.13	.83	2.32	.36	.61	.49	2.32
77	.30	.68	.37	.29	.27	.94	.77	.65	.81	.22	.38	.64	.94
78	.53	.48	.58	.14	2.65	.70	.59	.56	.53	.52*	.30	1.11	2.65
79	.24	.37	1.19	.55	.43	.38	.65	.48	.69	.35	.60	.58	1.19
80	.37	.38	.27	.47	.41	.73	.93	.64	.66	.59*	1.25	.23	* 1.25
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

34046 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	.94	.60											
MEAN	.447	.454	.484	.505	.714	.731	.869	.892	.660	.494	.484	.526	1.425
S.D.	.214	.264	.237	.318	.477	.349	.477	.577	.442	.277	.267	.321	.492
TOTAL OBS	930	848	899	881	930	899	930	930	900	930	898	929	10904

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

34246 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .01	1.91	4.42	1.91	2.67	3.04	1.54	3.51	1.38	
52	2.43	1.49	3.88	1.04	1.64	1.37	.54	3.99	3.03	3.57	4.48	2.47	29.93
53	.74	1.84	.28	1.93	2.44	5.38	4.69	1.80	1.43	1.52	.19	1.02	23.26
54	2.21	.64	.90	1.97	2.24	3.37	2.77	3.91	3.32	2.31	.66	1.74	26.04
55	2.32	2.18	.76	1.43	2.74	4.16	2.76	1.32	2.46	1.61	.32	2.40	24.46
56	2.06	1.27	.96	3.03	1.96	2.84	4.03	3.99	2.32	2.88	1.52*	1.19	*28.05
57	1.59	2.53	2.67	1.01	1.12	2.45	3.91	3.26	4.94	.57	.55	3.20	27.80
58	1.56	3.60	1.25	.83	2.09	3.04	2.39	3.75	1.39	2.25	1.31	2.47	25.93
59	2.08	.01	1.39	1.81	.86	2.44	1.34	4.11	.11	2.71	1.26	1.43	19.55
60	1.98	1.57	1.11	1.07	3.35	.92	4.31	4.14	1.00	3.94	3.26	2.18	28.83
61	2.05	1.56	.97	3.56	3.19	6.17	5.68	2.68	.86	1.63	1.24	2.67	32.26
62	1.66	2.98	2.63	1.18	3.05	1.21	2.28	1.53	2.08	.43	.89	1.80	21.72
63	.73	.68	3.10	.99	1.65	3.54	1.49	4.52	.88	2.18	3.17	.11	23.04
64	.66	2.04	2.12	1.95	2.90	2.15	1.07	1.61	3.21	1.75	2.17	1.06	22.69
65	4.31	.93	2.26	3.91	2.94	5.36	4.53	1.99	2.69	.13	4.14	4.03	37.22
66	1.92	1.47	1.89	1.95	2.66	2.91	3.53	4.70	1.15	2.47	2.21	4.40	31.26
67	.64	1.62	2.24	2.08	2.74	1.62	1.43	2.17	3.56	1.47	1.97	2.10	23.64
68	2.71	2.27	1.32	3.88	2.88*	3.60	3.10	7.06	5.21	2.13	.64	1.64	*36.44
69	1.69	2.35	1.51	2.56	4.15	3.27	3.59	4.86	.58	.04	2.26	1.21	28.07
70	1.90	5.27	1.48	3.29	3.71	1.47	1.72	1.45	2.06	1.80	1.33	1.29	26.77
71	.87	.97	.44	.90	2.29	3.98	.27	1.73	.67	.63	2.13	.57	15.45
72	.64	.30	.89	2.02	4.38	3.53	2.60	5.22	2.18	1.71	3.69	.42	27.58
73	.73	1.61	.88	1.41	2.81	1.92	3.12	2.16	1.18	2.76	2.63	1.65	22.86
74	1.33	1.47	1.70	.70	2.37	2.13	5.06	2.12	.82	5.27	3.04	3.27	29.28
75	1.66	.94	1.46	1.52	.38	3.59	3.58	2.46	2.54	1.05	2.54	.87	22.59
76	2.33	.92	.95	.68	.67	.60	3.38	1.25	5.82	1.42	2.24	2.18	22.44
77	2.35	3.35	.86	1.42	.79	4.41	1.30	2.67	1.43	1.04	2.95	1.69	24.26
78	1.65	1.71	2.53	.43	6.98	4.06	3.49	1.52	2.68	1.74*	.68	3.67	*31.14
79	1.49	1.87	4.01	2.31	1.98	1.55	2.99	1.87	1.89	1.32	3.83	2.75	27.86
80	1.85	1.51	.88	2.17	1.71	4.24	6.94	2.55	1.18	2.62*	2.44	1.39	*29.48
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

34346 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	3.44	1.29											
MEAN	1.786	1.741	1.632	1.829	2.486	3.038	2.993	2.969	2.190	1.883	2.148	1.968	25.792
S.D.	.836	1.057	.957	.966	1.296	1.426	1.539	1.425	1.405	1.126	1.214	1.057	4.489
TOTAL OBS	930	848	899	881	930	899	930	930	900	930	898	929	10904

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

34 .46 — STATION
HEIDELBERG AAF DL — STATION NAME
51-81 — YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	65.4	19.5	7.1	4.4	1.9	1.0	.3	.2	.1					15.1	899	4.5	11.4	.0
FEB	68.6	18.0	6.4	3.4	2.0	.9	.1	.2	.2					13.3	848	4.2	15.1	.0
MAR	85.6	9.0	2.2	1.6	1.0	.2		.2	.1					5.4	868	2.0	10.2	.0
APR	93.2	5.4	.8	.5			.1							1.4	881	.3	4.3	.0
MAY	99.8	.2													930	TRACE	TRACE	.0
JUN	100.0														900	.0	.0	.0
JUL	100.0														930	.0	.0	.0
AUG	100.0														930	.0	.0	.0
SEP	99.9	.1													900	TRACE	TRACE	.0
OCT	99.4	.6													930	TRACE	TRACE	.0
NOV	87.0	9.2	1.8	1.1	.5	.2	.2							3.8	838	1.2	8.0	.0
DEC	75.2	15.5	3.9	3.3	1.1	.9	.1							9.3	899	2.8	13.5	.0
ANNUAL	89.5	6.5	1.8	1.2	.5	.3	.1	.0	.0					4.0	10753	15.0		

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .0	.0	.0	.0	.0	.0	.0	.0	TRACE	
52	.6	3.0	.5	TRACE	.0	.0	.0	.0	.0	.0	.9	1.6	3.0
53	1.5	6.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	6.6
54	3.4	2.0	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.4
55	.3	2.7	2.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.1	2.7
56	3.2	5.8	TRACE	3.8	.0	.0	.0	.0	.0	.0	TRACE	1.5	5.8
57	2.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.8	2.0
58	4.1	7.5	3.2	.5	.0	.0	.0	.0	.0	.0	.0	1.0	7.5
59	2.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.5
60	2.0	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	2.3	2.3
61	4.4	TRACE	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6	4.4
62	.2	3.8	2.8	TRACE	.0	.0	.0	.0	.0	.0	1.6	1.7	3.8
63	2.3	2.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.6
64	1.0	2.0	.5	TRACE	.0	.0	.0	.0	.0	.0			
65	3.9	1.0	7.0	.0	.0	.0	.0	.0	.0	.0		TRACE	
66		.0		.0	.0	.0	.0	.0	.0	.0	3.4	3.0	
67	2.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	3.0
68	2.0	2.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.5	3.5	3.5
69	4.6	3.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.7	2.9	4.6
70	6.6	1.9	5.0	1.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0	6.6
71	.9	.5	1.6	.0	.0	.0	.0	.0	.0	.0	2.2	1.0	2.2
72	1.3	TRACE	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.4	.0	1.3
73	1.1	2.0	1.8	1.0	.0	.0	.0	.0	.0	TRACE	4.1	.7	4.1
74	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.3	.3
75	.0	TRACE	5.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.4	5.0
76	3.0	.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.2	3.0
77	2.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.4	1.1	2.5
78	.7	5.5	TRACE	.0	.0	.0	.0	.0	.0	.0*	.1	1.2	5.5
79	2.0	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
80	3.2	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0*	.1	2.1	3.2
MEAN													
S.D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	5.3	3.0											
MEAN	2.30	1.86	1.15	.23	TRACE	.00	.00	.00	TRACE	TRACE	.66	1.21	3.53
S. D.	1.669	2.186	1.877	.738	.000	.000	.000	.000	.000	.000	1.184	1.150	1.771
TOTAL OBS	899	848	868	881	930	900	930	930	900	930	838	899	10753

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

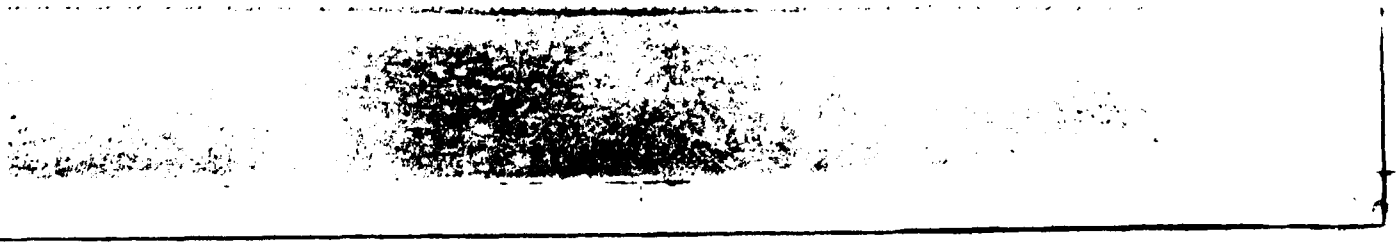
34 46 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* .0	.0	.0	.0	.0	.0	.0	.0	TRACE	
52	1.5	9.0	.6	TRACE	.0	.0	.0	.0	.0	.0	2.2	5.1	18.4
53	4.8	13.5	1.6	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	19.9
54	9.2	3.4	TRACE	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.7
55	.8	7.7	3.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.1	12.5
56	3.2	11.4	TRACE	4.3	.0	.0	.0	.0	.0	.0	TRACE	5.4	24.3
57	3.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.5	4.7
58	5.0	12.6	6.9	1.0	.0	.0	.0	.0	.0	.0	.0	1.0	26.5
59	11.4	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	11.4
60	3.1	TRACE	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	8.6	11.9
61	6.4	TRACE	.6	.0	.0	.0	.0	.0	.0	.0	TRACE	2.9	9.9
62	.2	14.0	10.2	TRACE	.0	.0	.0	.0	.0	.0	4.5	3.2	32.1
63	6.8	7.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	13.8
64	2.2	2.6	.9	TRACE	.0	.0	.0	.0	.0	.0			
65	8.2	5.0	9.2	.0	.0	.0	.0	.0	.0	.0		TRACE	
66		.0		.0	.0	.0	.0	.0	.0	.0	4.8	8.0	
67	2.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.5	6.0
68	7.1	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	3.0	13.5	26.3
69	8.7	15.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.8	8.7	35.3
70	8.9	3.9	7.9	1.2	.0	.0	.0	.0	.0	TRACE	TRACE	4.6	26.5
71	1.4	.6	3.0	.0	.0	.0	.0	.0	.0	.0	5.9	1.4	12.3
72	2.1	TRACE	.3	.0	.0	.0	.0	.0	TRACE	TRACE	.6	.0	3.0
73	2.3	4.6	2.9	1.1	.0	.0	.0	.0	.0	TRACE	8.0	1.5	20.4
74	TRACE	.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.5	.8
75	.0	TRACE	6.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.4	7.3
76	5.6	.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.2	7.9
77	3.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.6	1.1	5.0
78	.7	7.9	TRACE	.0	.0	.0	.0	.0	.0	.0	* .1	2.4	* 11.1
79	5.1	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.1
80	6.6	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	* .1	5.7	* 12.4
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

34346 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	11.2	3.4											
MEAN	4.53	4.16	1.96	.27	TRACE	.00	.00	.00	TRACE	TRACE	1.25	2.80	14.75
S.D.	3.379	5.005	3.194	.846	.000	.000	.000	.000	.000	.000	2.228	3.419	9.681
TOTAL OBS	899	848	868	881	930	900	930	930	900	930	838	899	10753

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	67.7	9.0	5.5	8.4	3.9	5.3	.1							23.3	866			
FEB	77.2	6.2	3.4	4.2	4.2	2.7	2.1							16.5	817			
MAR	95.0	2.8	1.1	.4	.4	.5								2.3	834			
APR	99.5	.4	.1											.1	851			
MAY	100.0														899			
JUN	100.0														840			
JUL	100.0														868			
AUG	100.0														868			
SEP	100.0														841			
OCT	100.0														869			
NOV	96.5	2.0	.6	.5	.1	.2								1.4	837			
DEC	83.2	8.2	3.1	2.0	1.8	1.3	.5							8.6	868			
ANNUAL	93.3	2.4	1.1	1.3	.9	.8	.2							4.3	10258			

1210 WS FORM JUL 64 0-15-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

34046 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
51				* 0	0	0	0	0	0	0	0	0	
52	1	4	0	0	0	0	0	0	0	0	TRACE	1	4
53	3	7	1	0	0	0	0	0	0	0	0	0	7
54	6	3	0	0	0	0	0	0	0	0	0	TRACE	6
55	1	4	TRACE	0	0	0	0	0	0	0	TRACE	TRACE	4
56	3	12	1	1	0	0	0	0	0	0	TRACE	3	12
57	2	0	0	0	0	0	0	0	0	0	0	1	2
58	4	6	2	0	0	0	0	0	0	0	0	TRACE	6
59	4	0	0	0	0	0	0	0	0	0	0	0	4
60	2	0	0	TRACE	0	0	0	0	0	0	0	3	3
61	2	0	0	0	0	0	0	0	0	0	0	2	2
62	0	4	1	0	0	0	0	0	0	0	2	1	4
63	5	5	1	0	0	0	0	0	0	0	0	TRACE	5
64	1	2	0	0	0	0	0	0	0	0	0	3	3
65	2	1		0	0				* 0*	0			
66													
67		0	0	0	0	0	0	0	0	0	0	3	
68	4	1	0	0	0	0	0	0	0	0	3	8	8
69	9	9	TRACE	TRACE	0	0	0	0	0	0	2	5	9
70	4	1	5	0	0	0	0	0	0	0	0	4	5
71	5*	0*	2	0	0	0	0	0	0	0*	2	0	5
72	* 2*	0	0	0	0	0	0	0	0	0	0	0	* 2
73	1	3	TRACE	0	0	0	0	0	0	0	4	7	7
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	3	0	0	0	0	0	0	0	0	TRACE	3
76	3	2	0	0	0	0	0	0	0	0	0	1	3
77	2	0	0	0	0	0	0	0	0	0	0	TRACE	2
78	TRACE	6	0	0	0	0	0	0	0	0	*TRACE	1	6
79	3	TRACE	0	0	0	0	0	0	0	0	0	0	3
80	6	0	0	0	0	0	0	0	0	0	*TRACE	5	6
MEAN													
S. D.													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

34.46 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	4	2											
MEAN	2.9	2.7	.5	.0	.0	.0	.0	.0	.0	.0	.4	1.7	4.6
S.D.	2.179	3.162	1.174	.189	.000	.000	.000	.000	.000	.000	1.083	2.291	2.735
TOTAL OBS	866	817	834	851	899	840	868	868	841	869	837	868	10258

NOTE * (BASED ON LESS THAN FULL MONTHS)

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



U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

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

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

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

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

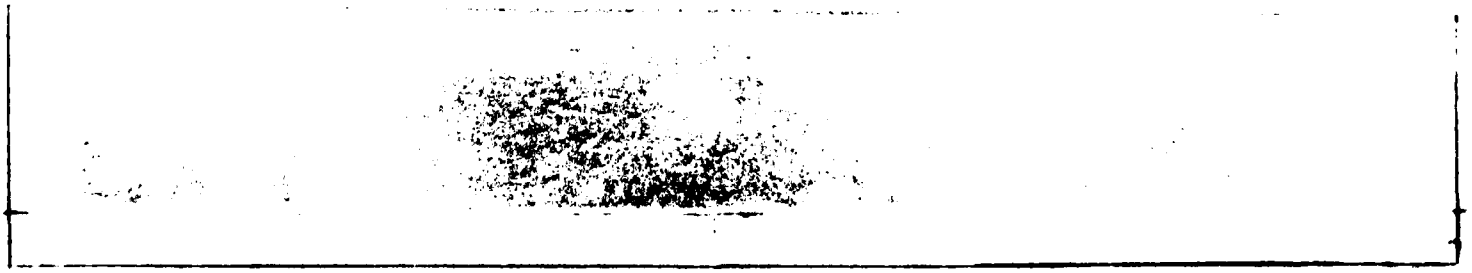
a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

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

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

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

C



DATA NOT AVAILABLE FROM 1951 THROUGH 1964. STATION STARTED REPORTING PEAK GUSTS IN 1965



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65	SW 48	SW 34	WSW 25	SW 26	W 22	SW 33	W 29	WSW 22	SW 26	ESE 24	WSW 42	SW 38	SW 48
66	NE *38	SSW 25	WSW 40	WSW 29	WSW 32	SW 22	W 22	SW 24	WSW 27	E 30	SSW *34	SSW 33	WSW 40
67	SW 30	SSW 41	SW 36	W 33	WSW 44	WNW 24	NNW 25	W 50	W 37	W 37	SW 24	SW 34	W 50
68	WSW 28	SE 24	WSW 38	W 36	SW 40	E 26	27/ 30	27/ 26	27/ 34	25/ 24	9/ 31	9/ 20	SW 40
69	23/ 24	25/ 22	9/ 28	9/ 34	27/ 32	25/ 30	24/ 26	1/ 27	8/ 20	34/ 20	25/ 44	7/ 23	25/ 44
70	11/ 31	24/ 45	24/ 31	24/ 31	26/ 26	27/ 38	30/ 32	23/ 29	27/ 30	27/ 28	25/ 28	22/ 26	24/ 45
71	24/ 31	15/ 20	3/ 24	25/ 25	6/ 26	28/ 30	26/ 27	28/ 44	23/ 22	21/ 24	22/ 29	9/ 44	28/ 44
72	9/ 24	20/ 22	27/ 52	29/ 39	25/ 34	29/ 21	13/ 21	25/ 32	25/ 25	10/ 23	27/ 36	12/ 32	27/ 52
73	13/ 19	32/ 29	7/ 21	28/ 30	26/ 30	3/ 28	24/ 25	27/ 22	25/ 27	27/ 34	25/ 33	27/ 32	27/ 34
74	26/ 36	33/ 42	24/ 27	3/ 33	32/ 27	28/ 25	26/ 24	25/ 31	22/ 30	22/ 26	29/ 36	25/ 40	33/ 42
75	24/ 34	10/ 28	26/ 30	27/ 29	7/ 33	28/ 27	29/ 27	24/ 24	23/ 29	27/ 25	27/ 29	36/ 20	24/ 34
76	28/ 34	23/ 21	9/ 26	8/ 29	29/ 29	9/ 30	24/ 46	12/ 30	21/ 23	21/ 28	21/ 33	20/ 24	24/ 46
77	26/ 27	21/ 22	29/ 24	24/ 47	9/ 29	22/ 24	3/ 28	19/ 32	23/ 23	23/ 27	27/ 43	24/ 33	24/ 47
78	23/ 41	25/ 26	28/ 36	15/ 27	28/ 21	30/ 32	31/ 21	26/ 18	24/ 29	7/ 19	13/ 14	23/ 44	23/ 44
79	11/ 28	9/ 39	25/ 38	23/ 26	25/ 30	23/ 35	31/ 40	30/ 26	18/ 32	9/ 32	25/ 36	25/ 45	25/ 45
80	22/ 31	31/ 34	27/ 35	30/ 40	6/ 30	33/ 32	20/ 27	30/ 29	27/ 24	10/ 30	11/ 34	24/ 27	30/ 40
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

34 46 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	29/ 39	12/ 25											
MEAN	31.6	29.4	31.9	32.1	30.3	28.6	28.1	29.1	27.4	26.9	32.8	32.2	43.7
S.D.	7.155	8.200	7.987	5.987	5.862	4.788	6.652	8.082	4.603	4.864	7.711	8.392	5.108
TOTAL OBS	522	477	491	479	496	479	496	494	478	490	468	493	5863

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A) $ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF GL — STATION NAME
69-70,74-81 — YEARS
JAN — MONTH

ALL WEATHER — CLASS
0000-2200 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	.5	.3									2.7	3.8
NNE	1.2	.6	.1									1.9	3.3
NE	1.0	1.4	.1									2.5	4.0
ENE	.8	1.2	.1	.1								2.2	4.4
E	1.4	1.6	.1	.1								3.2	4.2
ESE	.6	.3	.4									1.8	4.6
SE	1.3	1.1	.5	.2								3.1	4.9
SSE	5.8	3.4	.4	.1								9.8	3.4
S	8.7	7.1	.8	.1								16.6	3.6
SSW	3.2	2.4	2.1	.6								7.2	5.8
SW	.8	1.4	1.6	1.3	.5	.2						5.8	9.0
WSW	1.4	1.6	1.1	1.3		.1						5.5	7.1
W	1.6	1.4	1.8	1.0	.1							5.9	6.9
WNW	.3	.2	.4	.5								1.5	9.1
NW	.5	.6		.1								1.3	4.3
NNW	1.5	.4	.1									2.0	2.9
VARBL	1.3	.5	2.4	.8								5.0	7.0
CALM												22.0	
	31.9	26.6	12.4	6.2	.6	.3						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 929

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 48 (STATION) HEIDELBERG AAF DL (STATION NAME) 69-70,74-81 (YEARS) JA (MONTH)

ALL WEATHER (CLASS) 0300-1500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	1.2	.4									3.0	3.9
NNE	1.2	.3	.2									2.2	3.7
NE	1.1	.6	.1									1.8	3.4
ENE	.6	.5										1.2	3.5
E	1.8	1.3	.5	.1								3.8	4.5
ESE	.6	.4	.2									1.3	4.3
SE	.6	1.5	.2									2.4	4.2
SSE	4.5	4.4	.4									9.4	3.7
S	7.7	7.4	1.6	.3								16.1	3.9
SSW	2.5	2.2	2.5	.8								7.8	6.0
SW	.6	1.6	1.8	1.0	.2							5.3	8.2
WSW	1.2	1.4	.8	2.3	.4							6.0	9.1
W	1.1	1.4	1.3	.6	.1							4.5	6.6
WNW	.6	.5	.9	.4								2.5	7.0
NW	1.2	.5	.5									2.3	3.9
NNW	1.1	.5										1.6	3.3
VARBL	1.4	.3	3.1	.5								5.4	7.1
CALM												21.6	
	30.3	26.7	14.6	6.0	.8							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 4. STATION — HEIDELBERG AAF DL STATION NAME — 69-70,74-81 YEARS — JAN MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	.4									4.0	3.6
NNE	1.0	1.1	.1									2.2	3.5
NE	.8	.6	.1									1.5	3.7
ENE	1.1	.9	.3									2.3	4.1
E	.8	.6	.6	.2								2.3	5.7
ESE	.5	.8										1.3	3.8
SE	.8	1.3	.2									2.3	4.2
SSE	3.9	5.2	.6	.1								9.8	4.0
S	3.4	8.2	1.6	.2								16.6	4.1
SSW	1.8	3.1	2.2	.6								7.7	5.9
SW	1.5	1.6	1.8	1.2	.3							6.5	7.4
WSW	1.7	.6	.9	1.1	.4							4.7	7.6
W	1.4	1.3	2.2	1.2								6.0	6.9
WNW	.4	.1	.3	.2								1.1	6.0
NW	.0	.4	.1									1.5	3.1
NNW	1.1	1.1	.1									2.3	3.5
VARBL	1.4	.5	2.0	.5	.1							4.6	6.8
CALM												21.5	
	29.5	28.9	13.9	5.4	.9							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 69-70,74-81 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	.4									4.0	3.9
NNE	1.5	.5										2.0	2.9
NE	.5	.4	.2									1.2	4.6
ENE	.5	.3	.2	.1								1.2	4.9
E	1.2	1.7	.9									3.8	4.8
ESE	.4	1.0	.4									1.8	5.2
SE	1.1	.6	.5									2.3	4.2
SSE	3.7	3.8	.8									8.2	4.5
S	5.9	7.7	1.1									14.7	4.0
SSW	1.5	2.3	3.4	.5	.1							7.8	6.5
SW	.9	1.9	2.0	1.1	.1							6.0	7.2
WSW	1.3	1.5	1.7	1.2								5.7	7.2
W	1.7	1.8	1.7	1.2								6.5	6.7
WNW	1.3	.5	.4	.1								2.4	4.5
NW	.6	.4										1.1	3.0
NNW	1.1	.6	.1									1.8	3.3
VARBL	1.9	.9	2.7	1.0	.8	.1						7.3	8.0
CALM												22.3	
	27.3	27.5	16.7	5.2	1.0	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 69-70,74-81 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	2.2	.6									6.0	3.7
NNE	1.3	.3										1.6	2.5
NE	.4	.3	.1									.9	4.0
ENE	.9	1.	.4	.1								2.4	5.0
E	.3	1.3	.4									2.0	5.4
ESE	.9	1.5	.8									3.1	4.8
SE	1.4	1.1	.4									2.9	4.
SSE	2.9	3.2	.6									6.8	4.2
S	4.4	7.5	1.1	.1								13.1	4.3
SSW	2.6	3.8	3.2	.6								10.2	5.8
SW	.6	2.3	4.5	2.0	.3	.1						9.9	8.7
WSW	.5	1.2	2.7	1.6	.1							6.1	8.5
W	2.3	.8	1.5	1.6	.2							6.1	7.3
WNW	.8	.2	.6	.4	.2							2.3	7.3
NW	.8	.8	.2	.1								1.8	4.7
NNW	1.3	1.1	.3									2.7	4.1
VARBL	2.2	1.4	3.5	1.6	.3	.1						9.1	7.6
CALM												12.9	
	26.5	29.8	21.2	8.3	1.2	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 69-70,74-81 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	2.9	2.2	.2									5.3	3.6
NNE	1.5	1.4	.1									3.0	3.3
NE	1.0	.4	.4									1.8	3.9
ENE	1.1	.9	.3									2.3	4.0
E	1.2	1.2	1.2									3.5	5.5
ESE	.9	1.	.5	.1								2.5	4.8
SE	.9	1.9	.3									3.1	4.3
SSE	4.0	2.9	1.1									8.0	3.6
S	5.7	5.1	.9									11.6	3.8
SSW	1.5	2.9	3.5	1.0								8.9	6.8
SW	1.4	2.0	3.3	1.2	.8							8.7	8.2
WSW	.8	1.4	3.2	1.6	.1							7.1	8.2
W	1.9	1.4	1.3	1.2	.1							5.9	6.7
WNW	.6	.8	.3	.3	.2							2.3	6.8
NW	.4	.6	.4	.1								1.6	5.5
NNW	1.9	.4	.1									2.5	2.9
VARBL	3.4	.3	2.9	1.1	.1							7.8	6.2
CALM												14.1	
	31.1	26.8	20.2	6.6	1.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 69-70,74-81 (YEARS) JAN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	2.1	.8									4.5	4.1
NNE	1.4	.2	.2									1.8	3.1
NE	1.1	.8	.1									1.9	3.4
ENE	1.5	1.2	.2									2.9	3.8
E	1.5	1.4	.3	.1								3.3	4.3
ESE	.3	1.1	1.1									2.5	6.4
SE	1.2	1.6	.3									3.1	4.1
SSE	5.2	4.1	.4									9.7	3.6
S	6.8	5.2	1.3	.2								13.4	3.9
SSW	1.2	2.4	2.0	.8	.1							6.5	6.6
SW	.4	1.9	3.1	1.2	.2							6.6	8.1
WSW	.5	1.6	1.8	1.2	.2							5.4	8.1
W	1.5	1.3	1.4	.6		.1						4.9	6.8
WNW	.4	.8	.1	.4								1.7	6.7
NW	.9	.8										1.6	3.5
NNW	1.3	.2										1.5	2.6
VARBL	2.2	.5	2.8	.5	.3							6.2	6.3
CALM												22.4	
	28.9	26.9	16.0	4.8	.9	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
3[illegible] 4[illegible]	HEIDELBERG AAF DL	69-70,74-81	JA[illegible]

CLASS: ALL WEATHER

HOURS (L.S.T.): 2100-2300

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	1.1	.3									3.5	3.5
NNE	1.3	.9	.2									2.4	3.9
NE	.1	1.3	.2		.1							1.7	5.4
ENE	1.3	1.3	.2									2.8	3.9
E	1.4	1.5	.6	.1								3.7	4.5
ESE	.9	1.1	.9									2.8	5.4
SE	1.0	1.3	.2	.1								2.6	4.5
SSE	5.7	4.1	.6	.1								10.5	3.7
S	6.2	6.8	1.0	.1								14.1	3.9
SSW	1.7	2.3	2.2	.6								6.8	5.9
SW	1.1	1.8	3.1	.6	.4	.1						7.2	7.8
WSW	1.0	.6	1.9	1.5	.1							5.2	8.2
W	1.3	1.3	1.1	.9	.2							4.7	7.2
WNW	.5	.3	.6	.2								1.7	6.5
NW	1.1	.2	.3									1.6	3.7
NNW	.9	.5										1.4	2.8
VARBL	1.9	.6	1.8	.8	.1							5.3	6.4
CALM												22.0	
	29.5	27.0	15.4	5.1	1.0	.1						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible]4c	HEIDELBERG AAF DL	69-70,74-81	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	1.5	.4									4.1	3.8
NNE	1.3	.7	.1									2.1	3.3
NE	.7	.7	.2		.0							1.7	4.0
ENE	1.0	.9	.2	.0								2.1	4.2
E	1.2	1.3	.6	.1								3.2	4.8
ESE	.6	.9	.5	.0								2.1	5.0
SE	1.1	1.3	.3	.0								2.7	4.3
SSE	4.4	3.9	.6	.0								9.0	3.8
S	6.9	6.9	1.2	.1								15.0	4.0
SSW	1.9	2.6	2.6	.7	.0							7.9	6.2
SW	.9	1.0	2.7	1.2	.4	.1						7.0	8.1
WSW	1.0	1.3	1.8	1.5	.2	.0						5.7	8.0
W	1.6	1.3	1.5	1.0	.1	.0						5.6	6.9
WNW	.6	.4	.5	.3	.1							1.9	6.7
NW	.8	.6	.2	.0								1.6	4.0
NNW	1.3	.6	.1									2.0	3.3
VARBL	1.9	.6	2.7	.8	.2	.0						6.3	7.0
CALM												19.8	
	29.4	27.5	16.3	5.9	.9	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 7439

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)

3[illegible] 4[illegible] (STATION) HEIDELBERG AAF GE (STATION NAME) 60-70,74-81 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	3.	1.3									7.5	4.2
NNE	[illegible]	1.5	.2									3.8	3.4
NE	2.1	1.4	.4									3.9	3.7
ENE	1.7	1.7	.5									3.8	4.0
E	.8	.9	.1	.4								2.2	5.3
ESE	1.2	.7	.9									3.0	4.8
SE	1.1	.8	.2									2.1	3.7
SSE	4.5	4.	.6									9.1	3.8
S	4.5	5.3	.7									10.5	3.8
SSW	1.4	2.4	.9	.4		.1						5.7	5.7
SW	.4	.5	1.9	1.1		.1						3.9	9.1
WSW	.5	1.4	.7	.7	.1							3.4	7.3
W	1.2	1.5	.6	.2								3.6	4.8
WNW	.7	.1	.2									1.1	3.8
NW	.7	.1										.8	2.4
NNW	1.4	.7										2.1	2.7
VARBL	1.3	.7	2.2	.7								5.0	7.0
CALM												28.5	
	28.8	27.3	11.6	3.4	.1	.2						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 845

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)

34 46	HEIDELBERG AAF DL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.0	3.3	.6									6.9	3.8
NNE	1.9	1.5										3.4	3.2
NE	1.8	2.2	.2									4.3	3.9
ENE	1.1	2.2	.2									3.5	4.4
E	.9	1.7	.8	.1								3.5	5.2
ESE	1.2	1.4	.2									2.8	4.0
SE	.7	.9	.1									1.8	4.1
SSE	4.7	3.8	.5									9.0	3.6
S	4.5	5.9	.9	.1								11.5	4.1
SSW	2.2	2.1	1.2	.4								5.8	5.0
SW	.6	1.4	1.9	1.2	.1	.1						5.3	6.2
WSW	.8	.5	1.2		.1	.1						2.7	7.2
W	.2	1.2	.2	.4	.1							4.1	4.6
WNW	.7	.5		.1								1.3	4.1
NW	.6	.1	.2									.9	4.3
NNW	.7	.7										1.4	3.5
VARBL	1.3	.6	2.7	.9								5.6	7.1
CALM												26.1	
	29.0	30.0	11.1	3.2	.4	.2						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 846

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 4c	HEIDELBERG AAF DL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	3.8	1.2									8.2	4.2
NNE	1.9	1.1	.1									3.1	3.6
NE	1.8	1.9	.1									3.8	3.6
ENE	.7	2.3	.9									3.7	5.2
E	.9	1.5	.5	.1								3.1	5.0
ESE	1.1	1.4	.1									2.6	4.2
SE	.9	1.2	.1									2.2	4.1
SSE	4.7	3.5	.6	.1								9.0	3.7
S	6.4	5.2	.9									12.5	3.8
SSW	.9	2.2	1.5	.2								5.0	6.0
SW	.4	1.5	2.4	.9								5.2	8.0
WSW	.4	1.1	1.2	.5	.1							3.2	7.7
W	1.8	.4	.7	.5	.1							3.4	5.7
WNW	.4	.2	.6	.2								1.4	7.0
NW	.6		.1									.7	3.3
NNW	1.1	.6	.2									1.9	3.6
VARBL	.8	.2	3.0	.5	.2		.1					4.8	8.6
CALM												26.2	
	27.9	27.9	14.3	3.1	.5		.1					100.5	3.7

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
34 4c	HEIDELBERG AAF DL	69-70,74-81	FEB

CLASS: ALL WEATHER

CONDITION:

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

SPEED (KNTS) DIR.	1 - 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	2.6	1.9									7.3	4.5
NNE	1.1	.8										1.9	3.4
NE	.8	1.1	.5									2.4	4.7
ENE	.7	1.7	.4	.2								3.0	5.4
E	.7	1.8	.8									3.3	5.3
ESE	1.1	.7	.1									1.9	3.8
SE	1.4	.6	.5									2.5	4.3
SSE	2.4	3.9	.5									6.6	4.3
S	5.6	7.8	1.2									14.6	4.8
SSW	2.5	1.5	2.5	.6								7.1	5.5
SW	1.1	1.1	2.7	.9								5.8	7.2
WSW	1.7	.6	1.9	.5								4.6	6.1
W	1.8	1.2	.9	.8								5.8	5.0
WNW	.8	1.1	.2									2.1	4.1
NW	.9	.5										1.4	3.5
NNW	.1	1.1	.4									3.6	3.4
VARBL	1.7	.4	4.9	.8								7.7	7.2
CALM												18.5	
	30.2	23.2	19.3	3.9								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 845

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)

34 4c — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — 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	3.[illegible]	3.[illegible]	2.5									9.0	4.9
NNE	1.7	1.1	.4									3.1	3.6
NE	.7	.4	.5									1.5	4.8
ENE	1.3	.9	.7									3.0	4.6
E	1.7	.8	.6	.4	.1							3.5	5.4
ESE	.8	2.1	.2									3.2	4.3
SE	.9	1.2	.4	.2								2.7	5.3
SSE	[illegible].1	2.7	.6									5.4	4.2
S	3.[illegible]	4.3	1.2									9.2	4.3
SSW	[illegible].1	2.4	2.[illegible]	.5								7.0	5.5
SW	.9	2.1	3.1	2.8	.1							9.1	8.4
WSW	1.8	1.5	2.5	.6								6.4	6.1
W	[illegible].1	1.9	1.5	.9								7.4	5.4
WNW	1.5	.6	.6	.4								3.1	5.2
NW	.[illegible]	.7	.1	.1								1.8	4.0
NNW	2.8	1.8	.5	.1								5.2	3.7
VARBL	1.4	.6	5.9	1.2								9.1	7.5
CALM												10.3	
	30.5	23.6	23.2	7.2	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 846

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
34 46	HEIDELBERG AAF DL	69-70,74-81	FEB

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	4.1	4.5	2.4									11.0	4.6
NNE	2.4	2.1	.6									5.1	3.7
NE	1.3	1.1	.4									2.7	4.0
ENE	.9	1.9	.8	.2								3.5	5.6
E	2.1	2.2	.7									5.1	4.4
ESE	1.2	.7	.4									2.2	3.7
SE	1.3	1.3	.4									3.0	4.2
SSE	2.6	1.8	.4									4.7	3.6
S	5.9	3.5	1.2	.2								10.9	4.0
SSW	1.4	2.7	4.0	.2								8.4	6.3
SW	1.1	2.1	2.5	1.9								7.6	7.6
WSW	.9	1.8	2.0	.7								5.4	6.8
W	1.3	1.4	1.8	.5								5.0	6.2
WNW	.7	.1	.5	.1								1.4	5.4
NW	1.2	.5										1.7	2.8
NNW	2.0	1.9	.6									4.5	4.0
VARBL	1.3	.7	4.5	.6								7.1	7.0
CALM												10.8	
	31.8	30.0	22.9	4.5								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 846

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 69-70,74-81 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.6	4.6	.9									10.2	3.9
NNE	2.2	1.8	.7	.2								5.0	4.1
NE	1.9	1.2	.1									3.2	3.3
ENE	1.9	1.1	1.2									4.1	4.4
E	3.3	1.7	1.2	.1								6.3	4.3
ESE	1.2	.5	.2									1.9	3.6
SE	1.3	.6	.4									2.2	3.8
SSE	5.4	2.6	.2									8.3	3.0
S	5.9	3.0	1.3	.2								10.4	3.9
SSW	1.1	1.4	2.4	.6								5.4	6.8
SW	1.2	1.4	1.9	.5								5.0	6.6
WSW	1.2	1.5	.8	.5								4.0	6.0
W	1.5	1.2	.6	.6								3.9	5.5
WNW	.5	.1	.2									.8	4.3
NW	.5	.5										.9	3.4
NNW	1.5	.6	.2									2.4	3.5
VARBL	1.2	.6	2.6	.8	.1							5.3	7.6
CALM												20.7	
	36.4	24.2	15.0	3.5	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 846

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
FEB — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.6	4.	.8									9.5	3.8
NNE	3.0	1.4	.6									5.0	3.6
NE	2.5	1.2	.1									3.8	3.1
ENE	1.4	1.2	.2									2.8	3.8
E	2.1	1.1	.8	.2								4.3	4.6
ESE	.7	1.5	.8									3.1	5.6
SE	.6	.6	.1									1.3	3.7
SSE	4.0	4.3	.2									8.3	3.7
S	5.9	4.9	.6									11.4	3.5
SSW	1.2	2.1	.8	.7								4.9	6.2
SW	.8	1.2	2.3	1.2								5.2	7.8
WSW	.7	.6	1.1	.6								3.0	7.4
W	1.4	.8	.4	.4								3.0	4.7
WNW	.2	.6	.1									.9	4.3
NW	.2											.2	2.0
NNW	.7	.7										1.4	3.1
VARBL	2.5	.8	2.7	.4								6.5	5.8
CALM												25.6	
	32.8	26.7	11.5	3.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 845

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 69-70,74-81 (YEARS) FEB (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	3.7	1.4									8.7	4.2
NNE	2.0	1.4	.3	.0								3.8	3.6
NE	1.6	1.3	.3									3.2	3.8
ENE	1.2	1.5	.6	.1								3.4	4.7
E	1.6	1.5	.7	.2	.0							3.9	4.8
ESE	1.1	1.1	.4									2.6	4.3
SE	1.0	.9	.3	.0								2.2	4.2
SSE	3.8	3.3	.4	.0								7.6	3.7
S	5.3	5.2	1.0	.1								11.4	3.9
SSW	1.6	2.2	1.9	.4		.0						6.1	5.9
SW	.8	1.4	2.3	1.3	.0	.0						5.9	7.9
WSW	1.0	1.1	1.4	.5	.0	.0						4.1	6.7
W	1.9	1.2	.8	.5	.0							4.5	5.3
WNW	.7	.4	.3	.1								1.5	4.9
NW	.7	.3	.1	.0								1.1	3.4
NNW	1.6	1.0	.2	.0								2.8	3.5
VARBL	1.4	.6	3.6	.7	.0		.0					6.4	7.2
CALM												20.8	
	30.9	27.9	16.1	4.0	.2	.1	.0					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 6765

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
0000-0200 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	2.2	.3									5.7	3.5
NNE	2.6	1.2	.4									4.2	3.5
NE	1.6	1.8	.1									3.6	3.9
ENE	.9	1.5	1.3	.2								3.9	5.9
E	.6	1.2	1.2	1.1								4.1	7.4
ESE	.8	.4	.6									1.8	5.0
SE	.6	.2	.4									1.3	5.0
SSE	3.7	3.2	.1									7.0	3.4
S	7.2	6.5	1.8									15.5	3.9
SSW	1.2	2.2	1.1	.4								4.8	5.5
SW	.3	2.0	1.8	1.8	.1							6.1	8.6
WSW	.3	.5	1.2	.8								2.8	8.3
W	1.2	.6	1.3	.3	.2							3.7	6.6
WNW	1.0	.8	.3									2.0	4.2
NW	.4	.4	.4									1.3	5.2
NNW	1.4	1.3	.3									3.0	3.9
VARBL	2.5	1.5	2.8	.3								7.1	5.5
CALM												22.1	
	29.5	27.6	15.6	5.0	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 929

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34246 (STATION) HEIDELBERG AAF GL (STATION NAME) 68-70,74-80 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.9	3.[illegible]	.4	.1								7.4	3.7
NNE	1.7	1.[illegible]										2.7	3.1
NE	1.[illegible]	1.5	.4									2.9	4.9
ENE	.6	2.[illegible]	.4	.6								3.8	6.1
E	.9	1.5	1.2	.2								3.6	5.7
ESE	.5	.3	.3	.1								1.3	5.1
SE	.3	.4	.2	.3								1.3	6.1
SSE	4.1	2.8	.4									7.3	3.6
S	8.9	5.5	.5	.1								15.1	3.5
SSW	1.2	2.4	1.6	.6								5.8	6.0
SW	.6	1.8	1.9	2.2								6.6	6.5
WSW	.4	.4	.9	.6								2.4	7.6
W	.6	.9	.6	.9								3.0	7.4
WNW	.5	.6	.6	.2								2.0	6.2
NW	.8		.3									1.1	3.6
NNW	1.3	1.1	.4									2.8	4.0
VARBL	2.7	.6	1.9	.4								5.7	5.4
CALM												25.2	
	39.1	25.9	12.4	6.5								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF OL (STATION NAME) 68-70,74-80 (YEARS) MAR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.	3.3	.5									6.9	3.8
NNE	1.4	.9	.1									2.4	3.5
NE	.9	1.2	.6									2.7	4.6
ENE	1.5	1.9	.3	.1								3.9	4.5
E	1.1	1.4	.8	.5								3.8	5.5
ESE	.5	1.1	.4									2.0	5.0
SE	.3	1.	.2	.3								1.8	6.5
SSE	4.0	3.2	.4									7.6	3.3
S	8.5	5.7	1.0									15.2	3.4
SSW	1.9	2.3	1.6	.4								6.2	5.5
SW	.6	1.	1.7	1.9	.2							5.5	9.3
WSW	.5	.8	1.0	1.1	.2							3.6	8.6
W	1.	.8	1.1	.4	.1							3.3	6.4
WNW	1.5	.6	.3	.1								2.6	4.2
NW	.8	.2										1.0	2.8
NNW	1.3	1.3	.1									2.7	3.5
VARBL	2.3	.5	3.2	.4								6.5	6.2
CALM												22.4	
	31.1	27.1	13.5	5.4	.5							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 929

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF FL — STATION NAME
68-70,74-80 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
0900-1100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.3	3.5	1.7	.2								7.7	5.2
NNE	1.1	1.[illegible]	.3	.1								2.5	4.3
NE	.8	.8	.1									1.6	3.9
ENE	.4	1.3	1.3	.2								3.2	6.3
E	.5	1.2	1.3									3.0	5.3
ESE	.5	1.7	.2									2.5	4.6
SE	.4	.8	.2									1.4	4.8
SSE	1.2	2.5	.8									4.4	4.5
S	5.2	5.3	1.7	.1								12.3	4.2
SSW	3.1	3.1	2.3	.5	.1							9.1	5.[illegible]
SW	1.5	1.2	3.2	2.6	.5							9.0	8.9
WSW	1.3	1.8	2.6	1.3	.3							7.3	7.[illegible]
W	1.9	1.5	1.6	1.2								6.2	[illegible].5
WNW	1.3	1.[illegible]	.6	.6								3.5	[illegible]
NW	1.1	.1	.2									1.4	3.4
NNW	1.8	.5	.2	.1								2.7	3.6
VARBL	2.5	1.3	4.4	1.5	.2							9.9	7.2
CALM												12.2	
	26.9	28.5	22.8	8.5	1.2							100.[illegible]	5.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF DL	68-70,74-80	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	1.4	2.7	1.4	.5								6.0	5.9
NNE	1.4	1.2	.4									3.0	4.1
NE	.1	.4	.2									.8	6.1
ENE	.2	2.	1.1	.3								3.7	6.7
E	.2	1.1	1.5	.2								3.0	7.0
ESE	.3	2.	.9	.1								3.3	5.8
SE	.6	1.	.2									1.8	4.5
SSE	1.	2.	.3	.1								3.4	4.8
S	1.7	4.1	1.1	.2								7.1	5.0
SSW	1.7	2.	1.3	.5	.1							5.7	6.0
SW	1.4	1.	5.1	3.2	.2	.1						11.6	9.1
WSW	1.3	1.9	3.4	2.0	.5							9.2	8.6
W	3.1	2.6	3.0	2.5	.3	.2						11.7	7.4
WNW	1.4	.9	1.0	.5								3.8	5.9
NW	1.1	1.	.8	.1								2.9	5.2
NNW	2.	1.3	.4									4.3	4.0
VARBL	3.5	1.7	5.9	2.4	.1	.1						13.6	7.3
CALM												4.6	
	22.6	30.3	28.0	12.8	1.3	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | MAR MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.5	2.9	1.8	.3								7.5	5.2
NNE	1.1	3.2	.6	.1								5.1	4.8
NE	.8	.4	.8	.2								2.4	5.7
ENE	.3	.3	.6	.5								1.8	8.0
E	.6	1.9	1.5	.2								4.3	6.0
ESE	.4	1.5	.8									2.7	5.3
SE	.9	1.8	.2									2.9	4.4
SSE	1.6	.3	.1									2.0	3.4
S	1.7	2.9	1.9									6.5	4.8
SSW	1.6	2.0	2.6	.6								6.2	6.1
SW	1.6	1.4	4.8	3.6	.4							11.8	8.8
WSW	1.6	1.8	4.1	3.2	.2	.3						11.3	9.0
W	2.0	2.4	2.7	1.8	.5	.1						9.6	7.7
WNW	1.0	1.1	1.3	.8								4.1	7.1
NW	.5	.9	.8	.1								2.3	5.7
NNW	1.1	2.3	.8	.1								4.2	4.8
VARBL	2.6	2.2	5.4	1.7								11.8	7.0
CALM												4.4	
	21.4	29.4	29.8	13.3	1.2	.4						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 929

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible]46 (STATION) HEIDELBERG AAF GE (STATION NAME) 62-70,74-80 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	3.7	1.4									8.6	4.2
NNE	2.8	2.5	.5									5.8	3.7
NE	1.8	1.8	.6	.3								4.6	4.7
ENE	1.1	2.	1.3	.1								4.5	5.2
E	.5	2.1	.9	.3								3.8	6.2
ESE	1.1	1.1	.2	.1								2.4	4.3
SE	.3	.5	.2									1.1	4.7
SSE	2.7	1.2	.1									4.0	3.2
S	4.3	3.2	.4									8.5	3.5
SSW	2.3	3.2	2.9	.8	.1							9.3	6.1
SW	.4	1.5	3.1	1.3	.2							6.5	8.6
WSW	1.1	1.9	2.4	1.4	.1							6.8	7.7
W	1.5	1.3	1.4	.9								5.1	6.7
WNW	1.1	.3	.8	.6								3.1	6.4
NW	.6	1.1	.8									2.4	5.1
NNW	.8	1.1	.2	.1								2.0	4.6
VARBL	2.4	.9	2.7	.4								6.4	5.7
CALM												15.3	
	29.5	29.6	19.8	6.4	.4							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible]4 STATION | HEIDELBERG AAF DL STATION NAME | 62-73,74-80 YEARS | MAR MONTH

ALL WEATHER CLASS | 21[illegible]0-2300 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.8	3.7	.5	.1								8.1	3.8
NNE	3.2	2.5	.3	.1								6.1	3.7
NE	1.6	1.2	.5									3.3	4.2
ENE	.9	1.6	1.5	.3								4.3	6.4
E	1.[illegible]	.6	1.2	.5	.1							3.4	7.1
ESE	.3		.8									1.1	6.3
SE	.9	.8	.5									2.2	4.3
SSE	2.9	2.7	.4									5.9	3.6
S	5.7	4.6	1.6									11.9	4.0
SSW	1.2	1.4	2.2	1.1	.1							5.9	7.4
SW	.7	1.6	2.8	1.2	.1							6.0	8.3
WSW	.7	.6	1.7	.4	.1							3.2	7.7
W	1.7	.6	1.4	.2								3.5	5.6
WNW	.5	.9	.4									1.8	4.8
NW	.5	.2	.4									1.2	4.7
NNW	1.4	.5	.4									2.4	3.8
VARBL	2.8	.9	3.1	.6								7.4	5.9
CALM												22.2	
	23.5	24.4	19.9	4.6	.4							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF FL — STATION NAME
68-70, 74-80 — YEARS
MA — MONTH
ALL WEATHER — CLASS
ALL — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.9	3.1	1.0	.2								7.2	4.4
NNE	1.9	1.7	.3	.0								4.0	3.9
NE	1.1	1.2	.4	.1								2.7	4.6
ENE	.7	1.6	1.0	.3								3.6	6.3
E	.7	1.4	1.2	.4	.0							3.6	6.3
ESE	.6	1.0	.5	.0								2.1	5.1
SE	.6	.8	.3	.1								1.7	5.0
SSE	2.6	2.0	.3	.0								5.2	3.7
S	5.5	4.7	1.1	.1								11.4	3.9
SSW	1.7	2.3	1.9	.6	.1							6.6	6.1
SW	.9	1.9	3.1	2.2	.2	.0						7.9	8.8
WSW	.8	1.2	2.2	1.4	.2	.0						5.8	8.3
W	1.6	1.3	1.6	1.0	.1	.0						5.8	7.0
WNW	1.0	.8	.7	.4								2.9	5.7
NW	.7	.5	.5	.0								1.7	4.7
NNW	1.4	1.2	.4	.0								3.0	4.1
VARBL	2.6	1.2	3.7	1.0	.0	.0						8.6	6.5
CALM												16.0	
	27.3	27.9	20.2	7.8	.7	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
APR — MONTH

ALL WEATHER — CLASS
0300-0200 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.7	3.6	.7	.1								10.0	3.5
NNE	2.9	2.3	.7									5.9	3.9
NE	1.4	1.8	1.[illegible]									4.2	4.8
ENE	.9	1.4	1.7	1.2								5.2	7.6
E	.3	1.1	2.1	1.7	.4	.1						5.8	10.1
ESE	.1	.6	.3		.1							1.1	7.0
SE	.3	.8	.4	.1								1.7	5.7
SSE	2.3	1.8	.4									4.6	3.7
S	4.8	2.9	1.[illegible]									8.7	3.8
SSW	1.1	2.[illegible]	1.8	.3	.1							5.3	6.1
SW	.8	.8	1.1	.1	.1							2.9	6.3
WSW	.8	.8	.7	.1								2.3	5.3
W	1.0	1.3	.6	.1								3.0	5.2
WNW	.9	.4	.2									1.6	3.9
NW	.7											.7	2.3
NNW	1.6	1.1	.2									2.9	3.7
VARBL	2.7	.7	3.4	1.3	.1							8.2	6.8
CALM												25.9	
	29.3	23.4	16.4	5.1	.9	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	6.5	4.9	.8									11.7	3.6
NNE	2.4	1.8	.4									4.7	3.5
NE	1.3	2.8	.4									4.6	4.2
ENE	.6	1.6	1.0	.7								3.8	6.9
E	.4	.4	.7	.7								2.2	7.7
ESE	.2	.6	.4	.1								1.3	6.0
SE	.8	.7	.1									1.6	3.5
SSE	3.9	1.7	.2									5.8	2.9
S	5.6	3.8	.4									9.8	3.5
SSW	.6	1.3	1.7	.2								3.8	6.6
SW	.8	.6	1.4	.7	.1							3.6	7.8
WSW	.8	.7	.6	.4								2.4	6.1
W	1.7	2.1	.7									4.4	4.2
WNW	.9	.6	.2	.1								1.8	4.1
NW	.4	.9										1.3	4.2
NNW	1.4	1.9	.1									3.4	3.7
VARBL	2.3	1.3	2.9	.4	.2	.1						7.3	6.5
CALM												26.6	
	30.1	27.4	12.1	3.3	.3	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF DL	68-70,74-80	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.4	7.	1.2									12.7	4.2
NNE	1.4	1.[illegible]	.4	.1								3.8	4.1
NE	1.1	.9	.3	.2								2.6	4.7
ENE	1.[illegible]	1.1	.6	.4	.1							3.2	6.0
E	.6	.9	.8									2.2	5.2
ESE	.2	.[illegible]	.2									.7	5.7
SE	.[illegible]	.3	.1									.7	4.5
SSE	3.1	2.7	.2									6.0	3.7
S	4.3	4.3	1.2									9.9	3.9
SSW	1.4	1.7	1.4	.8								5.3	6.2
SW	1.[illegible]	.[illegible]	1.2	.6								3.6	6.5
WSW	1.3	1.2	.9	.7								4.1	6.0
W	2.[illegible]	1.9	.9	.1								5.7	4.0
WNW	.4	.[illegible]	.2									1.4	4.3
NW	.4	.[illegible]	.2									1.4	4.2
NNW	1.[illegible]	2.2	.2									3.4	4.4
VARBL	2.2	.7	4.1	.6	.1							7.7	6.6
CALM												25.6	
	27.1	29.3	14.3	3.4	.2							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 899

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)

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
60-70,74-80 — YEARS
APR — MONTH

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	6.1	2.2	.1								9.8	5.6
NNE	.8	1.4	.8									3.0	5.2
NE	.1	.4	.2									.8	5.4
ENE	.3	1.3	1.4	1.1								4.2	8.2
E	.3	1.3	.9	.1								2.3	6.7
ESE	.4	.8	.4									1.7	5.1
SE	.2	.4	.4									1.1	6.1
SSE	.2	1.4	.1									1.8	4.9
S	3.1	3.2	.7									7.0	4.1
SSW	1.9	3.5	1.9	.6								8.1	5.5
SW	1.2	1.4	2.9	2.1								7.7	8.4
WSW	1.1	1.3	2.1	2.6								8.0	7.7
W	.9	2.4	1.4	.7	.1							7.6	5.3
WNW	1.1	1.1	.1	.2								2.6	4.3
NW	.6	1.1	.1	.2								2.0	5.3
NNW	2.1	2.0	.6									4.7	4.2
VARBL	3.8	2.3	7.8	1.4	.1							15.1	6.6
CALM												12.5	
	22.6	31.5	24.1	9.1	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 898

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)

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	3.2	1.8	.1								6.8	5.2
NNE	1.1	2.3	1.3									4.8	5.5
NE	.3	.9	.7									1.9	5.7
ENE	.3	.7	1.7	.8								3.4	8.3
E	.6	1.2	1.1	.8								3.7	7.5
ESE	.3	.7	.9									1.9	5.8
SE	.2	.8	.3									1.3	5.0
SSE	.2	2.3	.3									2.9	5.2
S	1.6	2.6	.7	.1								4.9	4.6
SSW	.9	1.9	1.0	.8								4.6	6.7
SW	.9	1.2	3.2	1.8								7.1	8.1
WSW	1.2	2.4	3.4	1.3	.2							8.7	7.7
W	1.9	3.1	1.8	1.7								8.5	6.6
WNW	1.3	2.0	.7	.3		.1						4.4	5.5
NW	.7	1.4	.3									2.4	4.5
NNW	1.1	3.3	.8									6.2	4.3
VARBL	2.3	3.3	13.3	2.2	.2	.3						21.8	8.0
CALM												4.7	
	17.7	33.5	33.4	9.9	.4	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 899

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)

34 40 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	4.6	1.1	.1								7.3	5.2
NNE	1.3	2.3	1.1									4.8	5.1
NE	.8	1.7	.9	.1								3.5	5.5
ENE	.6	1.	2.0	.6	.1							4.2	7.5
E	1.1	2.	1.6	.6	.1							5.4	6.6
ESE	.1	1.1	1.0	.2								2.5	7.0
SE	.4	1.3	.2									2.0	4.4
SSE	.8	1.3	.3	.1								2.6	4.8
S	1.3	3.	.8	.1								5.2	4.8
SSW	.3	1.7	1.7	.3								4.0	6.7
SW	1.2	1.1	2.2	1.2								5.6	7.4
WSW	1.1	1.9	2.7	2.1	.2	.1						8.1	8.5
W	1.2	2.6	1.7	2.	.1							7.6	7.5
WNW	1.0	1.7	.8	.3	.1							3.9	5.5
NW	.7	2.	.7									3.3	5.2
NNW	1.2	2.3	.7									4.2	4.8
VARBL	2.0	1.8	12.9	3.5	.4	.1						20.8	8.3
CALM												4.8	
	16.7	33.5	32.4	11.3	1.1	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.1	5.1	1.7	.1								10.0	4.8
NNE	3.6	3.4	.8									7.8	3.9
NE	1.6	2.3	.4									4.3	4.2
ENE	1.6	1.9	1.4	.2	.1							5.2	5.8
E	1.3	3.3	2.2	.6	.1							7.6	6.4
ESE	.6	1.[illegible]	.2	.1								1.9	4.9
SE	.8	1.1	.1									2.0	4.3
SSE	1.2	1.[illegible]	.2									2.4	3.8
S	[illegible].1	2.1	1.[illegible]	.3								6.6	4.5
SSW	1.4	2.4	1.6	.4								[illegible].9	5.8
SW	.9	1.7	1.4	.3								[illegible].3	6.0
WSW	.3	1.6	1.8	.7								[illegible].3	7.4
W	1.6	1.6	1.2	.8								5.1	5.9
WNW	.8	1.1	.7	.1								2.7	5.2
NW	1.3	.9	.3	.1								2.7	4.3
NNW	1.3	1.8	.8									3.9	4.9
VARBL	1.7	.3	6.4	1.3								9.8	7.8
CALM												13.6	
	26.1	32.7	22.3	5.1	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 40 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.1	4.8	1.2									11.1	3.9
NNE	4.2	1.1	.3	.1								5.8	3.2
NE	2.6	2.9	.6	.1								6.1	4.2
ENE	1.3	2.3	1.3	.8								5.5	6.1
E	1.1	1.3	1.7	1.4	.3							5.9	8.2
ESE	.4	.3	1.1	.4								2.3	7.5
SE	.4	.3	.4	.1								1.3	5.5
SSE	2.4	1.6	.6	.1								4.7	3.7
S	3.7	3.6	.7									7.9	4.0
SSW	1.3	1.2	1.1									3.7	4.9
SW	.4	1.3	.8	.3								2.6	6.6
WSW	.1	1.7	1.4	.1								3.3	6.6
W	1.1	1.8	.6									3.5	4.5
WNW	.8	.4	.3									1.6	4.1
NW	.8	.4	.1									1.3	3.0
NNW	2.0	1.6	.8									4.3	4.1
VARBL	2.0		3.0	1.2	.6							6.8	7.9
CALM												22.3	
	30.0	26.1	16.0	4.8	.9							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 898

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)

34 46 — STATION
HEIDELBERG AAF GL — STATION NAME
68-70,74-80 — YEARS
APR — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	4.9	1.3	.1								9.9	4.4
NNE	2.2	2.1	.7	.0								5.1	4.2
NE	1.2	1.7	.6	.1								3.5	4.6
ENE	.9	1.4	1.4	.7	.0							4.4	7.0
E	.7	1.4	1.4	.7	.1	.0						4.4	7.5
ESE	.3	.7	.6	.1	.0							1.7	6.2
SE	.4	.7	.3	.0								1.5	4.8
SSE	.8	1.7	.3	.0								3.8	3.9
S	2.4	3.2	.8	.1								7.5	4.2
SSW	1.1	2.0	1.5	.4	.0							5.1	6.2
SW	.9	1.1	1.8	.9	.0							4.7	7.4
WSW	1.0	1.4	1.7	1.0	.1	.0						5.2	7.3
W	.8	2.1	1.1	.7	.0							5.7	5.6
WNW	.9	1.0	.4	.1	.0	.0						2.5	4.8
NW	.7	.9	.2	.0								1.9	4.4
NNW	1.6	2.0	.5									4.1	4.3
VARBL	2.4	1.3	6.7	1.5	.2	.1						12.2	7.5
CALM												17.0	
	24.8	29.7	21.4	6.5	.5	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 7189

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible]45 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | MAY MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.5	3.8	.6									8.0	3.8
NNE	1.6	1.4	.2									3.2	3.6
NE	2.4	2.2	.2	.1								4.8	3.8
ENE	1.6	1.3	1.4	.6								4.9	6.0
E	1.3	1.[illegible]	1.4	1.4	.1							5.2	7.6
ESE	.9	.[illegible]	.5	.1								2.4	5.2
SE	.9	.4	.6									1.9	4.8
SSE	3.5	1.6										7.1	2.5
S	5.4	2.7	.2									3.3	3.1
SSW	1.2	1.6	.8									3.5	4.8
SW	.5	.9	.4									1.8	5.1
WSW	.9	.9	.9	.2								2.8	5.5
W	1.4	.9	.1		.1							2.5	4.2
WNW	.5	1.[illegible]	.2									1.7	4.8
NW	.5	.4										1.0	3.3
NNW	2.5	1.[illegible]										3.4	2.8
VARBL	3.9	1.1	2.6	1.2								8.7	5.5
CALM												28.7	
	34.4	22.3	10.2	3.7	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH
ALL WEATHER — CLASS
0300-0500 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.5	3.[illegible]	.4									8.9	3.2
NNE	1.9	1.5	.1									3.5	3.[illegible]
NE	1.[illegible]	1.[illegible]		.1								2.9	4.3
ENE	.8	1.5	.4	.1								2.8	5.0
E	.2	1.[illegible]	.5	.3								2.0	6.9
ESE	.4	.5	.2	.2								1.4	6.1
SE	.5	.4	.1									1.1	4.1
SSE	5.5	1.9	.1									7.5	2.6
S	6.9	2.9	.1									9.9	2.8
SSW	1.7	1.4	.6	.2								4.0	4.5
SW	.6	1.1	1.[illegible]	.1								2.8	5.7
WSW	.8	1.[illegible]										1.7	3.6
W	1.9	.5	.1									2.6	2.8
WNW	1.[illegible]	.[illegible]	.2									2.[illegible]	4.1
NW	1.1	.5	.2									1.8	3.2
NNW	1.4	1.6	.2	.1								3.3	4.0
VARBL	3.3	1.1	2.7	1.2								8.3	5.9
CALM												33.3	
	34.5	22.7	7.1	2.4								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF GL	68-70,74-80	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1600-0800
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	3.4	3.7	.9									8.0	4.1
NNE	1.2	1.2	.3									2.7	4.0
NE	1.3	1.4	.4									3.1	4.1
ENE	1.3	1.6	1.1									3.7	5.2
E	.4	.8	.3									1.3	5.4
ESE	.1	.8	.2	.2								1.1	7.2
SE	.4	.1										.5	3.0
SSE	2.9	1.8	.1									4.8	3.1
S	7.8	5.5	.1									13.4	3.2
SSW	2.5	2.7	1.0	.3								6.5	4.7
SW	.8	.5	1.2									2.5	5.9
WSW	1.3	1.1	.5	.1								3.0	4.6
W	2.3	2.3	.6	.1								5.3	4.3
WNW	.9	.3	.1									1.3	3.3
NW	.5	.4										1.0	3.0
NNW	1.7	1.6	.4									3.8	4.[illegible]
VARBL	3.9	1.2	4.1	.9	.1							10.1	5.7
CALM												28.1	
	32.4	26.5	11.4	1.6	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE W

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS

ALL WEATHER — CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	
N	2.[illegible]	2.[illegible]	1.[illegible]									[illegible]
NNE	1.1	.6	.2									1
NE	.3	.[illegible]	.2									[illegible]
ENE	.4	1.7	1.1	.1		.1						[illegible]
E	.6	1.[illegible]	.8	.5								[illegible]
ESE	.5	1.3	.4	.1								2
SE	.9	.[illegible]	.6									[illegible]
SSE	.[illegible]	1.9	.1									[illegible]
S	4.5	4.7	.8									1[illegible]
SSW	[illegible].1	4.[illegible]	1.3	.3								[illegible]
SW	1.9	1.5	2.6	.9								6
WSW	1.9	.9	.6	.4								3
W	[illegible].9	2.5	.5	.8	.1							6
WNW	1.[illegible]	.5	.1	.1								2
NW	1.3	.3	.4									2
NNW	1.3	2.[illegible]	.9	.1								4
VARBL	7.2	2.5	9.7	2.8	.1							22
CALM												10
	[illegible]2.2	30.[illegible]	21.3	6.1	.2	.1						[illegible]

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

38 46	HEIDELBERG AAF DL	68-70,74-80	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	2.9	3.4	1.5									7.7	4.4
NNE	1.3	1.4	.4	.1								3.2	4.8
NE	1.2	.6	.4									2.3	4.2
ENE	.2	1.7	.8	.1								2.8	5.8
E	.5	1.5	.8	.4								3.2	6.6
ESE	.3	2.	.5	.1								3.0	5.6
SE	.3	1.	.4									2.6	5.4
SSE	.9	2.	.3									3.2	4.4
S	1.7	2.4	.3									4.4	4.2
SSW	1.9	1.6	.5									4.2	4.1
SW	1.8	2.9	2.4	1.3	.1							8.5	7.0
WSW	1.3	2.	1.2	1.5								6.8	6.9
W	2.3	2.3	1.3	1.5								7.3	6.6
WNW	1.3	2.	.5									3.9	4.6
NW	.9	1.5	.1									2.5	4.2
NNW	1.6	2.3	.6									4.5	4.7
VARBL	5.6	2.8	13.5	4.0								25.9	7.3
CALM												4.0	
	25.8	35.4	25.7	9.0	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 931

GL EAL CLIMATOLOGY BRANCH
USAFETAC
AT[illegible] WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible] 46 — STATION
HEIDELBERG AAF GL — STATION NAME
68-70,74-80 — 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	3.[illegible]	3.9	1.3									8.2	4.3
NNE	1.7	2.3	1.8									5.8	5.1
NE	.5	1.2	.3	.1								2.2	5.1
ENE	.8	1.6	1.1	.3								3.8	6.1
E	.[illegible]	2.7	.6	.6								4.7	6.2
ESE	.[illegible]	2.2	.9	.4								4.1	6.[illegible]
SE	.4	2.[illegible]	.4									2.9	4.9
SSE	1.2	1.[illegible]	.4									3.5	4.5
S	2.[illegible]	2.7	.6									5.4	4.1
SSW	1.[illegible]	3.2	.8	.4								5.4	5.4
SW	.[illegible]	1.9	1.3	1.3								5.1	7.8
WSW	.4	1.	1.9	1.2								5.4	7.9
W	1.[illegible]	2.2	1.1	.6	.1							4.9	6.5
WNW	1.2	1.1	.3	.1								2.7	4.5
NW	.[illegible]	1.1	.8									2.5	5.0
NNW	1.1	3.[illegible]	.8									4.8	5.1
VARBL	4.5	3.[illegible]	12.8	3.4								23.8	7.3
CALM												4.9	
	21.4	37.7	27.2	8.6	.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 4c STATION | HEIDELBERG AAF OL STATION NAME | 68-70,74-80 YEARS | MAY MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.3	4.1	1.[illegible]	.1								9.5	4.1
NNE	3.4	3.7	1.2									8.3	4.2
NE	1.9	1.3	.5									3.8	3.9
ENE	1.2	2.[illegible]	1.7	.6								5.6	6.3
E	1.1	3.4	2.2	.8								7.4	6.2
ESE	1.3	1.7	.6	.1								3.8	4.7
SE	1.2	1.2	.2									2.6	4.1
SSE	1.6	.9										2.4	2.9
S	4.9	2.[illegible]	.2									7.2	3.1
SSW	1.8	1.2	.6									3.7	4.2
SW	.9	2.[illegible]	2.2	.4								5.8	6.4
WSW	.3	1.7	2.4	.2								5.1	6.4
W	1.6	1.7	1.4	.5								5.3	5.9
WNW	1.2	1.3	1.[illegible]	.1								3.5	5.1
NW	.9	.5	.3									1.7	4.1
NNW	2.0	1.[illegible]	.2									4.2	3.7
VARBL	1.8	1.9	4.4	.8								8.9	6.7
CALM												11.4	
	31.8	33.0	20.1	3.7								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 40 STATION | HEIDELBERG AAF OL STATION NAME | 68-70,74-80 YEARS | MAY MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.8	3.8	.5									9.1	3.6
NNE	3.4	1.6	.6									5.7	3.4
NE	2.4	2.6	.2									5.2	3.7
ENE	2.2	3.2	1.8	.5								7.7	5.7
E	1.3	1.2	2.4	1.0								5.8	7.1
ESE	1.1	.2	.2	.2								2.3	4.9
SE	.8	.1	.5									1.4	4.3
SSE	3.3	1.										4.3	2.4
S	5.3	2.1	.3									7.6	3.0
SSW	1.6	1.7	.8	.2								4.3	4.8
SW	.6	1.1	1.3	.1								3.1	5.5
WSW	.6	.9	.4									1.9	4.8
W	.8	1.2	.8	.2								2.9	5.8
WNW	.6	.5	.5									1.7	4.7
NW	.6	.4										1.1	3.4
NNW	1.4	.3	.1									1.8	2.7
VARBL	2.4	.3	2.0	1.2	.2							6.1	6.9
CALM												27.8	
	33.2	22.7	12.6	3.4	.2							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 48 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.7	3.6	.9	.0								8.2	4.3
NNE	2.0	1.7	.6	.0								4.3	4.1
NE	1.4	1.5	.3	.1								3.2	4.1
ENE	1.0	1.8	1.2	.3		.0						4.3	5.8
E	.8	1.6	1.1	.6	.0							4.1	6.7
ESE	.7	1.2	.5	.2								2.5	5.5
SE	.7	.8	.4									1.9	4.7
SSE	2.7	1.6	.1									4.5	3.1
S	4.8	3.1	.3									8.3	3.3
SSW	1.8	2.2	.8	.2								5.0	4.7
SW	1.3	1.5	1.5	.5	.0							4.6	6.5
WSW	1.1	1.4	1.0	.5								3.8	6.1
W	1.8	1.7	.7	.5	.0							4.7	5.4
WNW	1.0	1.0	.4	.0								2.4	4.4
NW	.8	.7	.2									1.7	3.9
NNW	1.6	1.7	.4	.0								3.8	4.1
VARBL	4.1	1.7	6.5	1.9	.1							14.3	6.7
CALM												18.5	
	30.7	28.8	16.9	4.8	.1	.0						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 7441

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUN — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.9	2.8	1.0									8.7	3.7
NNE	3.2	.5										4.0	2.5
NE	1.2	1.1	.2									2.6	3.8
ENE	.6	.8	1.1	.7								3.1	7.3
E	.9	.8	1.4	2.3								5.4	8.9
ESE	.3	.3	.6	.2								1.4	6.5
SE	.6	.1	.1									.8	3.7
SSE	4.2	2.	.2									6.4	3.0
S	3.8	4.3	.2									13.3	3.
SSW	2.3	1.8	.1									4.2	3.3
SW	.6	1.3	1.0		.1							3.0	5.9
WSW	.4	.9										1.3	3.9
W	1.9	.4	.1									2.4	2.8
WNW	.7	.7										1.3	3.3
NW	.4	.4										.9	3.6
NNW	1.2	1.0	.1									2.3	3.5
VARBL	3.2	.4	1.2	.4								5.3	4.4
CALM												33.3	
	35.4	20.0	7.4	3.7	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUN — MONTH
ALL WEATHER — CLASS
1300-1500 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.	4.4	1.	.1								8.6	4.2
NNE	2.4	.6										3.0	2.4
NE	1.2	1.	.2									2.4	3.5
ENE	.8	1.1	.7	.1								2.7	5.
E	.3	.4	.6	.6								1.9	7.7
ESE	.1		.2	.1								.4	8.3
SE	.4	.	.1									.8	3.3
SSE	.2	1.9										7.1	2.7
S	1.3	5.										15.6	2.9
SSW	.7	2.2	.6									5.4	3.9
SW	1.7	1.3	.									3.2	3.7
WSW	.7	.	.1									1.3	3.8
W	1.3	.7										2.0	2.7
WNW	.8	.4										1.2	2.9
NW	.4	.3	.2									1.0	4.3
NNW	1.9	1.3	.1									3.3	3.3
VARBL	2.4	1.9	.6	.1								4.9	3.8
CALM												35.1	
	35.8	23.6	4.6	1.0								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF GL	68-70, 74-80	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.[illegible]	5.3	1.6	.1								9.0	4.9
NNE	2.[illegible]	.3	.2									2.6	2.9
NE	1.1	.9	.2									2.2	3.8
ENE	.4	1.6	.1									2.1	4.6
E	.3	.4	.9	.1								1.8	6.3
ESE	.1	.1	.4									.7	6.8
SE	.3	.2	.1									.7	3.6
SSE	2.7	1.1										3.8	2.9
S	9.3	7.4	.8									17.6	3.4
SSW	4.9	4.3	1.1									10.8	3.9
SW	1.7	2.1	1.0	.1								4.9	4.9
WSW	2.3	.9	.6									3.8	3.9
W	1.3	1.1	.3									3.8	3.2
WNW	1.[illegible]	.4	.2									1.7	3.9
NW	.4	.6										1.0	3.6
NNW	2.3	1.1	.1	.1								3.7	3.2
VARBL	2.6	.7	1.4									4.7	4.3
CALM												25.4	
	35.9	29.1	9.1	.4								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (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	2.1	3.9	2.3	.2								8.6	5.2
NNE	.8	1.0	.8									2.6	4.7
NE	.7	.7	.1									1.4	3.6
ENE	.6	.3	.2	.2								1.3	5.4
E	.2	1.4	.8	.3								2.8	6.5
ESE		1.3	.6	.1								2.0	6.7
SE	.6	.6	.2									1.3	4.6
SSE	.8	1.1	.1									2.0	4.1
S	4.0	2.6	.4									7.0	3.4
SSW	3.2	2.6	1.1	.1								7.0	4.3
SW	2.1	3.9	2.7	.4								9.1	5.6
WSW	3.2	3.7	1.9									8.8	4.7
W	3.2	2.8	1.9	.3								8.2	4.7
WNW	1.9	.8	1.1	.1								3.8	4.7
NW	.6	.9										1.4	3.7
NNW	.9	3.0	.6									4.4	4.8
VARBL	6.1	3.3	7.9	1.7								19.0	6.0
CALM												9.2	
	30.8	33.8	22.7	3.6								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible]46	HEIDELBERG AAF DL	6P-70,74-80	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

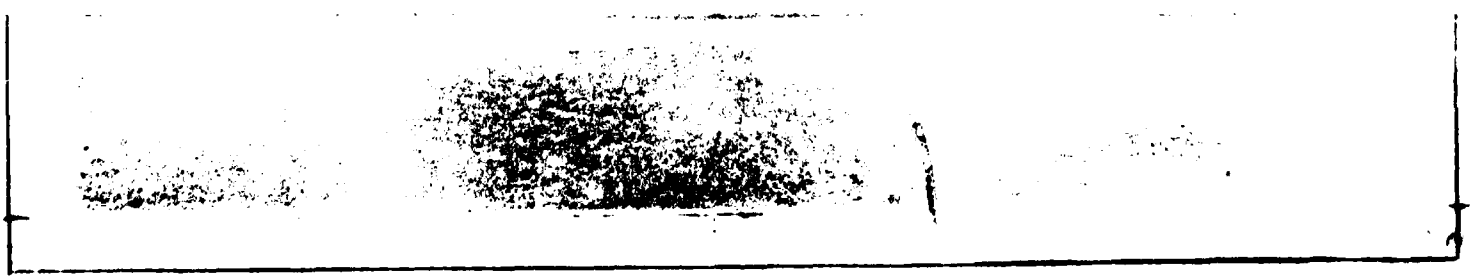
1200-1400
HOURS (L.S.T.)

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	.9	4.7	2.4	.2								8.2	6.0
NNE	1.7	2.[illegible]	.9									4.6	4.6
NE	.7	.9	.3									1.9	4.6
ENE	1.3	2.	.9	.1								4.3	4.9
E	.3	1.1	.4	.2								2.1	6.5
ESE	.9	1.3	.4	.3								3.0	5.6
SE		.7	.1									.8	6.0
SSE	.7	.7										1.3	3.5
S	2.3	2.1	.6									5.0	3.8
SSW	1.9	2.3	1.2	.1								5.6	5.0
SW	.7	1.9	1.9	.7								5.1	6.7
WSW	1.8	3.6	3.6	.3								9.2	6.0
W	2.8	3.8	2.7	.4								9.7	5.5
WNW	1.6	2.4	.6									4.6	4.3
NW	.4	1.4	.2									2.1	4.5
NNW	2.4	2.9	.8									6.1	4.3
VARBL	3.9	3.7	13.9	2.0								23.4	7.2
CALM												3.0	
	24.2	37.4	30.9	4.4								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	4.8	1.8									7.8	5.2
NNE	1.2	3.7	.9	.1								5.9	5.2
NE	1.6	1.3	.6	.2								3.7	4.8
ENE	.9	1.1	1.4	.1								3.6	5.6
E	.7	2.1	1.4	.3								4.4	6.5
ESE	.4	1.3	.2									2.0	5.2
SE	.6	.8	.2	.2								1.8	5.5
SSE	.9	.6										1.4	3.1
S	2.4	1.9	.7									5.0	3.9
SSW	.9	1.8	.8	.1								3.6	5.3
SW	.7	2.7	1.0	.6								4.9	6.3
WSW	2.0	3.1	2.6	.2								7.9	5.5
W	3.0	4.2	1.9	.8								9.9	5.5
WNW	.8	2.4	1.0	.3								4.6	5.9
NW	.6	1.4	.8									2.8	5.4
NNW	1.3	2.6	.9	.1								4.9	5.3
VARBL	3.6	3.3	11.8	2.9								21.6	7.3
CALM												4.4	
	22.7	39.0	27.9	6.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	5.4	1.9	.3								11.0	4.9
NNE	2.9	4.6	.4									7.9	4.1
NE	1.7	1.9	.6									4.1	4.2
ENE	1.7	2.2	1.1									5.0	5.2
E	1.2	2.7	2.0	.2								6.1	6.0
ESE	.9	.8	.6	.1								2.3	5.0
SE	1.1	.4	.2	.1								1.9	4.1
SSE	1.2	.7	.1									2.0	3.2
S	3.6	2.9	.7									7.1	3.9
SSW	2.6	1.3	.8	.1								4.8	4.2
SW	1.4	1.8	1.0									4.2	4.9
WSW	2.4	2.6	2.0	.3								7.3	5.1
W	1.9	2.1	1.0	.1								5.0	4.7
WNW	2.2	1.4	.7	.2								4.3	4.7
NW	1.2	.8	.4	.1								2.3	4.7
NNW	1.8	1.4	.1									3.3	3.9
VARBL	1.8	1.2	6.1	.6								9.7	6.8
CALM												11.6	
	32.4	34.1	19.7	2.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WIND

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

3[illegible] 46 STATION | HEIDELBERG AAF GE STATION NAME | 68-70,74-80 YEARS | JU[illegible] MONTH

ALL WEATHER CLASS | 2150-23 HOURS (L.S.T.)

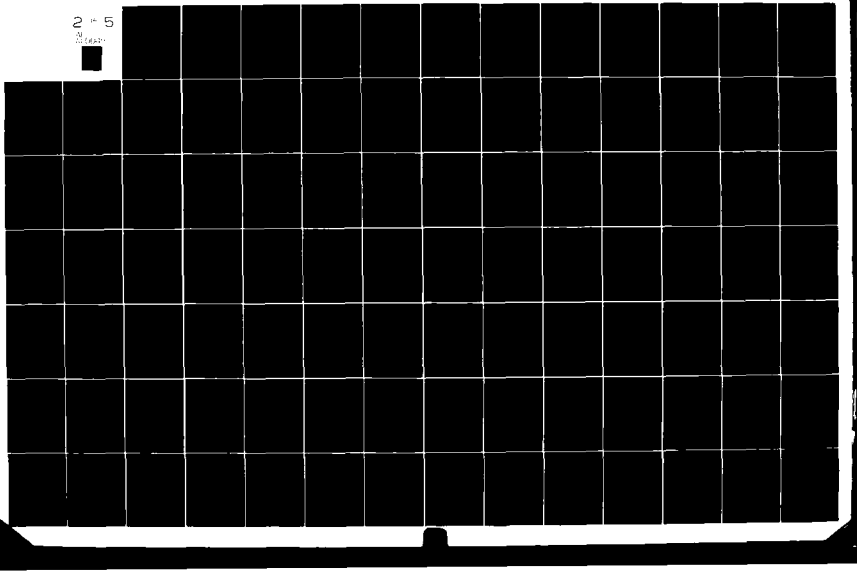
CONDITION

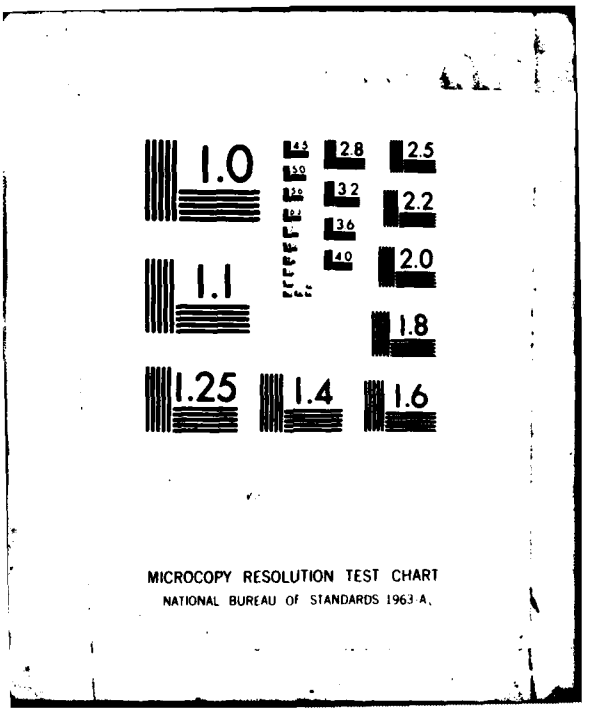
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.3	3.3	.8									9.4	3
NNE	5.1	1.9	.1									7.1	2
NE	3.0	1.6		.1								4.7	3
ENE	2.2	2.7	1.1	.4								6.4	4
E	.9	.8	1.1	1.1	.1							[illegible].0	8
ESE	.2	.4	.3									1.0	5
SE	.6	.2										.8	2
SSE	3.4	1.8										5.2	3
S	6.8	2.7	.1									9.6	3
SSW	1.8	1.4	.3									3.6	3
SW	.9	.9	.9									2.7	4
WSW	1.[illegible]	.9	.3									2.2	4
W	.3	.7	.1									1.6	3
WNW	.9	1.1	.2	.1								2.3	4
NW	.6	.6	.1									1.2	4
NNW	1.1	.3										1.9	3
VARBL	2.8	.4	1.3	.4								5.[illegible]	4
CALM												31.3	
	37.3	22.1	6.9	2.2	.1							100.[illegible]	2

TOTAL NUMBER OF OBSERVATIONS 9

AD-A110 049 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81
UNCLASSIFIED USAFETAC/DS-81/090 SBI-AD-E850 119 NL

2 of 5
AD
A110049




1.0
1.1
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

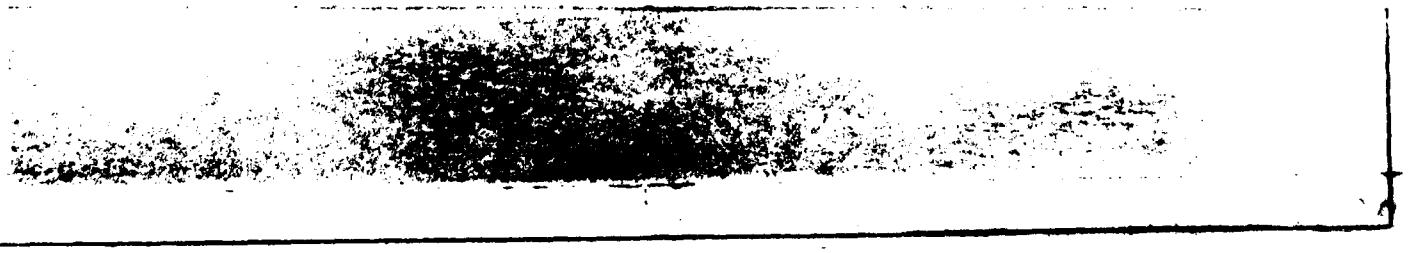
ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.8	4.3	1.6	.1								8.9	4.7
NNE	2.4	1.8	.4	.0								4.7	3.7
NE	1.4	1.2	.3	.0								2.9	3.9
ENE	1.1	1.5	.8	.2								3.6	5.2
E	.6	1.2	1.1	.7	.0							3.6	7.1
ESE	.4	.7	.4	.1								1.6	5.8
SE	.5	.4	.1	.0								1.1	4.4
SSE	2.4	1.2	.1									3.7	3.1
S	5.9	3.6	.4									10.0	3.3
SSW	2.5	2.3	.7	.1								5.6	4.1
SW	1.2	2.0	1.2	.2	.0							4.6	5.5
WSW	1.7	2.0	1.4	.1								5.2	5.1
W	2.2	2.0	1.0	.2								5.3	4.7
WNW	1.2	1.2	.5	.1								3.0	4.6
NW	.6	.8	.2	.0								1.6	4.4
NNW	1.6	1.8	.3	.0								3.7	4.1
VARBL	3.3	1.9	5.5	1.0								11.7	6.3
CALM												19.2	
	31.8	29.9	16.1	2.9	.0							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7200

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)

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.4	1.7										5.2	2.8
NNE	1.4	1.3	.1									2.8	3.6
NE	.6	1.6	.1									2.4	4.2
ENE	1.1	.9	.1		.1							2.2	4.0
E	.4	1.1	1.2	.2	.1							3.0	7.0
ESE	.6	.6		.1								1.4	4.4
SE	.9	.8	.2									1.8	3.6
SSE	4.9	.5	.1									5.6	2.3
S	9.1	2.4	.1									11.6	2.5
SSW	2.6	1.7	.1									4.4	3.3
SW	1.9	1.5	.4	.2								4.1	4.1
WSW	1.2	.8	.1	.1								2.2	3.8
W	1.0	.6	.2									1.8	3.6
WNW	.3	.4	.2									1.0	4.8
NW	.3	.2	.1									.6	4.2
NNW	1.7	.8										2.5	2.7
VARBL	2.3	.5	1.3	.5								4.6	5.3
CALM												42.9	
	33.9	17.4	4.4	1.2	.2							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

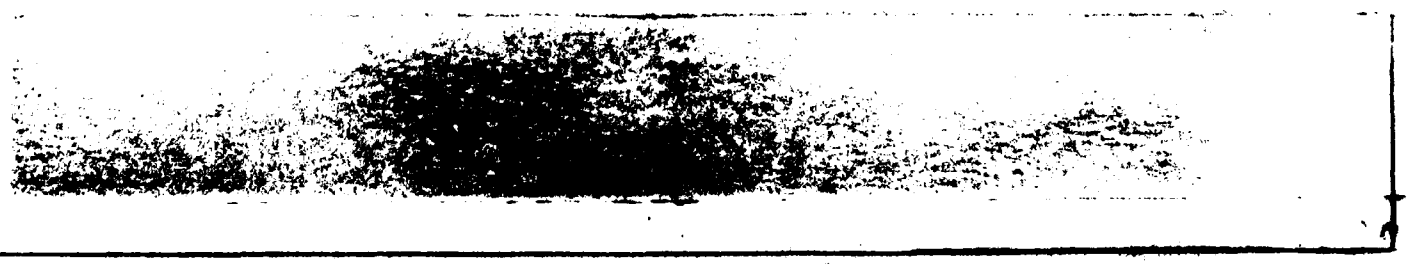
34-46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.7	1.3	.1									5.1	2.8
NNE	1.7	.5										2.3	2.5
NE	1.6	1.0										2.6	3.0
ENE	.8	.6	.3									1.7	4.2
E	.6	.1	.2									1.0	4.2
ESE	.3	.3	.3									1.0	5.0
SE	.6	.2										.9	2.4
SSE	5.2	1.6										6.8	2.6
S	11.1	3.4	.1									14.6	2.5
SSW	2.2	1.2	.1									3.4	3.1
SW	.4	1.2	.8									2.4	5.5
WSW	1.2	.4	.4	.1								2.2	4.7
W	1.8	.5	.4									2.8	3.4
WNW	1.3	.8	.4									2.2	4.6
NW	.2	.6	.1	.1								1.1	4.7
NNW	1.5	1.2	.1									2.8	3.3
VARBL	2.5	.4	.6	.2								3.8	4.2
CALM												43.7	
	36.3	15.5	4.1	.4								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (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	2.9	3.0	.2									6.1	3.7
NNE	1.6	1.3										2.9	3.1
NE	1.1	.9										1.9	3.6
ENE	.6	.1										.8	2.1
E	.5	.3										.9	3.4
ESE	.5	.2	.2									1.0	4.7
SE	.4	.1	.2									.8	4.1
SSE	4.2	.9										5.1	2.4
S	11.9	5.9	.4									18.2	3.1
SSW	3.8	2.7	.8									7.2	3.7
SW	1.7	2.4	1.1									5.2	4.8
WSW	1.2	1.0	.6									2.8	4.2
W	2.6	1.6	1.0									5.2	4.2
WNW	1.1	.1		.1								1.3	2.8
NW	.4	.2										.6	3.7
NNW	.8	1.3	.3									2.4	4.3
VARBL	3.7	.8	1.3	.2								5.9	3.9
CALM												31.8	
	39.0	22.7	6.1	.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 928

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)

34346 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	4.4	.5									7.3	4.5
NNE	.6	.4	.1									1.2	3.9
NE	.1	.1										.2	3.5
ENE	.3	.3	.1									.8	4.3
E	.6	1.[illegible]	.1									1.7	4.3
ESE	.5	1.6	.4									2.6	5.0
SE	.4	.9	.3									1.6	4.7
SSE	2.7	1.4	.1									4.2	3.3
S	4.7	4.3	.4									9.5	3.6
SSW	2.8	3.8	1.0									7.5	4.2
SW	1.7	4.2	1.8	.3								8.1	5.4
WSW	2.3	3.[illegible]	2.7	.5								8.5	5.8
W	2.6	2.4	2.3	.6	.1							8.0	5.9
WNW	.8	1.2	.8									2.7	5.3
NW	1.4	1.2										2.6	3.3
NNW	1.8	3.1	.5									5.5	4.3
VARBL	8.0	2.5	6.2	.9								17.5	5.2
CALM												10.5	
	33.8	35.7	17.4	2.4	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 929

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34246 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUL (MONTH)

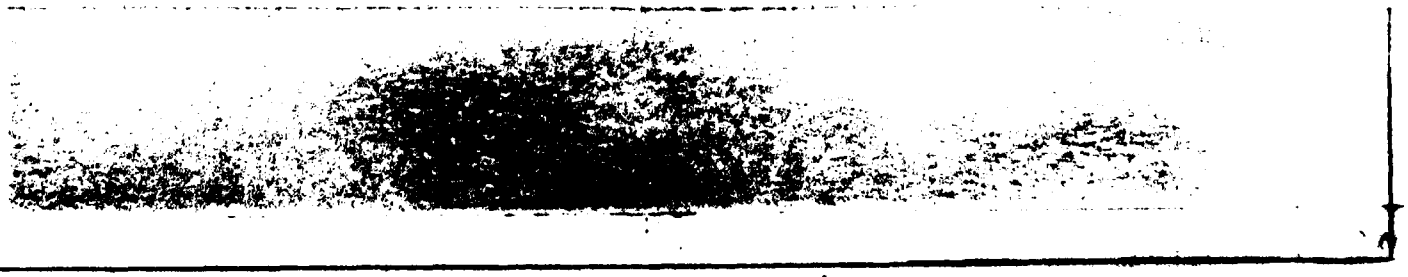
ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(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	1.4	3.5	1.0									5.9	4.9
NNE	1.1	2.2	.3									3.5	4.5
NE	.4	.8										1.2	4.1
ENE	.6	.4	.3									1.4	4.6
E	.8	.9	.3									1.9	4.7
ESE	1.0	1.5	.8	.1								3.3	4.9
SE	.4	1.[illegible]	.8	.1								2.3	5.6
SSE	1.4	1.3	.1									2.8	3.5
S	1.6	2.6	.2									4.4	3.9
SSW	1.7	2.5	1.4									5.6	4.9
SW	.5	3.[illegible]	2.3	.5								6.3	6.4
WSW	1.7	3.5	4.1	1.3								10.6	6.9
W	2.3	4.4	3.0	.3								10.0	5.7
WNW	1.9	2.3	.4	.2								4.8	4.6
NW	1.6	1.8	.1									3.5	4.0
NNW	1.8	3.9	.5									6.2	4.4
VARBL	5.9	3.4	11.5	2.6								23.4	6.7
CALM												2.6	
	26.2	38.9	27.1	5.2								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	4.5	1.2									7.4	5.1
NNE	1.7	3.9	1.4	.1								7.1	5.2
NE	.9	1.1	.2									2.2	4.0
ENE	.9	1.2	.2									2.3	4.5
E	.6	.8	.5									1.9	4.9
ESE	.3	1.6	.9									2.8	5.5
SE	.4	1.1	.6									2.2	5.2
SSE	.4	.6	.4									1.5	4.9
S	2.3	1.6	.2	.1								4.2	3.9
SSW	1.6	2.9	1.4									5.9	4.9
SW	1.0	1.6	3.0	.1								5.7	6.4
WSW	1.7	4.1	3.2	.8								9.8	6.3
W	1.3	4.9	5.3	.9	.1							12.5	6.8
WNW	1.6	2.0	1.2									4.8	5.0
NW	.9	1.1	.8									2.7	5.4
NNW	1.3	3.1	.3									4.6	4.7
VARBL	4.8	2.6	8.2	2.4								18.0	6.9
CALM												4.5	
	23.4	38.6	29.0	4.3	.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	4.6	.9									7.8	4.3
NNE	4.6	3.8	1.0									9.4	4.0
NE	1.6	1.8	.1	.1								3.7	3.9
ENE	.6	.3	.2	.1								1.3	4.6
E	.8	2.8	.8									4.3	5.1
ESE	.5	1.8	.2									2.6	4.7
SE	.5	.4	.1									1.1	3.9
SSE	1.7	.8	.1									2.6	3.2
S	3.7	1.4	.1									5.2	3.0
SSW	3.7	1.3	.6									5.6	3.4
SW	1.7	2.3	.5									4.5	4.2
WSW	2.3	2.5	1.6	.3								6.7	5.3
W	2.2	3.8	3.5	.8								10.2	6.0
WNW	1.4	2.2	1.5		.1							5.2	5.6
NW	1.0	1.3										2.3	3.9
NNW	.9	1.4	.1									2.4	4.0
VARBL	3.2	.9	3.4	1.1	.1							8.7	6.2
CALM												16.7	
	32.7	33.2	14.8	2.4	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUL (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.8	3.2	.1									7.1	3.3
NNE	4.4	1.3	.1	.1								5.9	2.9
NE	2.8	1.0	.2									4.0	2.9
ENE	2.6	1.0	.3	.1								4.0	3.7
E	.9	.9	1.0	.1								2.8	5.8
ESE	.5	1.1										1.6	3.9
SE	1.1	.2	.1									1.4	3.0
SSE	4.2	.4										4.6	2.4
S	7.2	1.3										8.5	2.4
SSW	1.9	1.5	.1									3.5	3.3
SW	.8	1.2	.4	.2								2.6	5.3
WSW	1.4	1.5	.2	.1								3.2	4.0
W	1.5	1.1	.3	.1								3.0	4.1
WNW	.2	1.0	.8	.1								2.0	5.8
NW	.2	.4										.6	3.8
NNW	1.4	.9	.1									2.4	3.5
VARBL	3.5	.4	1.0			.1						5.1	3.8
CALM												37.6	
	38.4	18.3	4.7	.9		.1						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUL (MONTH)

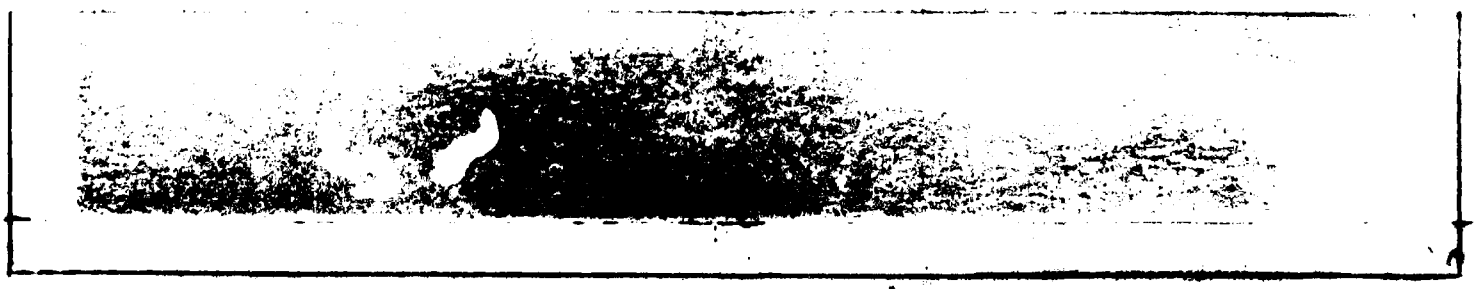
ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	3.3	.5									6.5	4.0
NNE	2.2	1.8	.4	.0								4.4	3.9
NE	1.1	1.0	.1	.0								2.3	3.6
ENE	.9	.6	.2	.0	.0							1.8	4.0
E	.7	1.0	.5	.0	.0							2.2	5.3
ESE	.6	1.1	.3	.0								2.0	4.8
SE	.6	.6	.3	.0								1.5	4.3
SSE	3.1	.9	.1									4.1	2.8
S	6.4	2.9	.2	.0								9.5	2.9
SSW	2.5	2.2	.7									5.4	3.9
SW	1.2	2.2	1.3	.2								4.9	5.4
WSW	1.6	2.1	1.6	.4								5.7	5.7
W	1.9	2.4	2.0	.3	.0							6.7	5.6
WNW	1.0	1.2	.7	.1	.0							3.0	5.0
NW	.8	.9	.1	.0								1.8	4.2
NNW	1.4	1.9	.3									3.6	4.1
VARBL	4.2	1.4	4.2	1.0	.0	.0						10.9	5.9
CALM												23.8	
	33.0	27.6	13.5	2.1	.1	.0						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 7437

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)

34 .46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

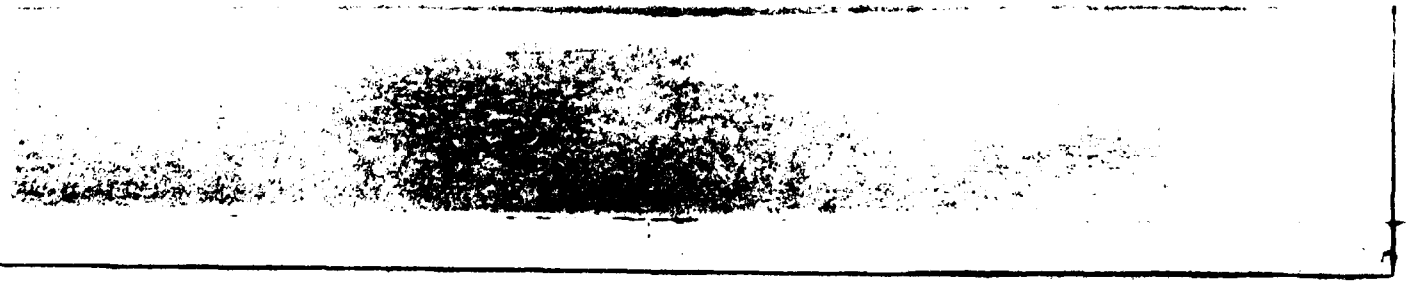
ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.2	2.	.3									6.6	3.1
NNE	2.8	1.4	.1									4.3	3.0
NE	1.5	1.1	.5									3.1	4.3
ENE	1.1	1.4	.9	.2								3.5	5.3
E	.4	.8	.8	.9								2.8	7.8
ESE	.8	1.	1.0	.2								2.9	6.0
SE	1.2	.6	.6									2.5	4.5
SSE	5.5	1.5	.1									7.1	2.6
S	5.9	2.3		.1								8.2	2.8
SSW	1.6	1.2	.2									3.0	3.7
SW	.8	.9	.6									2.3	4.8
WSW		.3	.3									1.1	5.7
W	1.	.4	.1									1.5	3.
WNW	.9											.8	2.
NW	.6	.1										.8	2.9
NNW	1.6	.8	.2									2.6	3.5
VARBL	3.1	.1	1.6	.5								5.4	5.1
CALM												41.7	
	32.7	16.2	7.4	1.9								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.7	2.2	.2									7.1	3.0
NNE	1.4	.6										2.0	3.1
NE	1.6	.8	.3									2.7	3.5
ENE	.6	1.2	.2									2.0	4.5
E	.4	.8	.5	.1								1.8	5.8
ESE	.2	.4										.6	3.3
SE	1.3	.5	.1									1.9	3.3
SSE	5.2	1.3										7.5	2.6
S	8.5	2.7	.2									11.4	2.8
SSW	.6	1.0	.1									1.7	4.1
SW	.5	.9	.5									1.9	4.9
WSW	1.0	.4	.2	.1								1.7	4.3
W	1.3	.2	.1									1.6	2.9
WNW	1.0	.1	.1									1.2	2.8
NW	1.0	.6										1.6	2.7
NNW	1.6	1.6	.1									3.3	3.5
VARBL	3.9	.6	1.4	.2								6.1	4.1
CALM												43.5	
	35.9	15.9	4.2	.4								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 40 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.9	2.8	.1									6.8	3.1
NNE	1.5	.9	.1									2.5	3.4
NE	1.4	.5										1.9	2.9
ENE	1.1	1.0	.1									2.2	3.5
E	1.0	.9	.2									2.0	3.8
ESE	.4	.3	.1									1.3	4.0
SE	1.0	.4	.1									1.5	2.9
SSE	4.6	2.5										7.1	3.1
S	8.3	5.1										13.3	3.1
SSW	3.0	1.3	.5									4.8	3.5
SW	1.1	1.4	.8									3.2	4.7
WSW	1.3	.8	.9									2.9	4.9
W	1.7	1.0	.4									3.1	3.6
WNW	.3	.2	.1									.6	3.8
NW	.5	.4	.1									1.1	3.5
NNW	1.7	1.6										3.3	3.3
VARBL	4.9	.4	1.4	.2								7.0	3.6
CALM												35.3	
	37.7	21.8	4.9	.2								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 935

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)

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

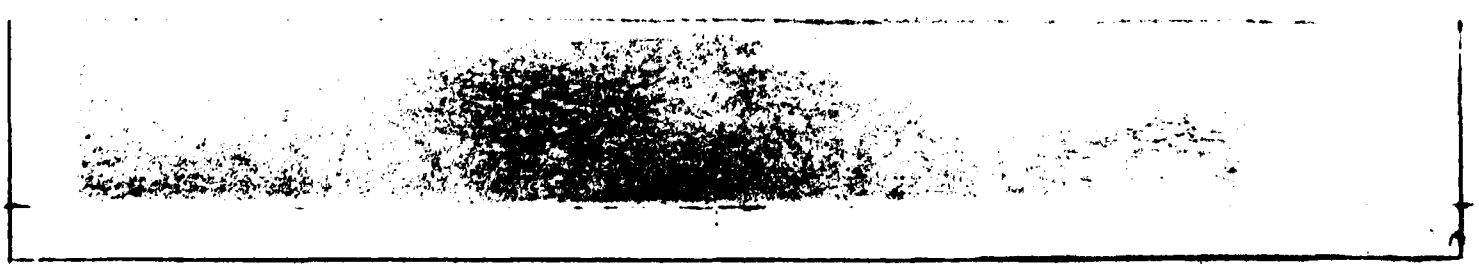
ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.1	4.7	.3									8.2	3.9
NNE	1.8	.5	.2									2.6	3.0
NE	.8	.4	.1									1.3	3.4
ENE	.2	.3	.1									.6	4.3
E	.9	.8	.3									1.9	4.6
ESE	.9	1.4	.6	.1								3.0	5.2
SE	1.8	1.2	.3									3.3	3.9
SSE	1.5	1.6										3.1	3.7
S	5.2	6.5	.1									11.7	3.7
SSW	3.2	3.6	1.2									8.0	4.1
SW	1.5	2.[illegible]	2.0	.3								5.9	5.8
WSW	1.8	1.8	2.3	.2								6.1	5.5
W	2.0	2.2	1.4	.2								5.8	4.8
WNW	.9	.5	.3									1.7	4.1
NW	1.4	.6	.2									2.3	3.3
NNW	1.9	2.5	.3									4.7	4.1
VARBL	7.9	1.7	6.7	1.0								17.2	5.3
CALM												12.3	
	36.9	32.4	16.6	1.8								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 928

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)

34746 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.3	5.2	.6									8.1	4.4
NNE	1.3	2.2	.2									3.7	4.1
NE	.9	.6	.1									1.6	3.9
ENE	.4	1.	.1									1.5	4.4
E	.6	1.7	1.1	.2								3.7	5.8
ESE	.6	1.2	.8	.1								2.7	5.6
SE	.9	1.4	1.1									3.3	5.4
SSE	.5	1.9	.3									2.8	5.1
S	2.2	2.9	1.0									6.0	4.4
SSW	1.5	2.3	.6									4.4	4.3
SW	1.0	2.9	1.7	.2	.1							5.9	6.1
WSW	2.2	3.1	2.7	.8								8.7	5.9
W	1.2	3.3	1.2	1.0		.1						6.8	6.6
WNW	1.7	1.8	.6	.4								4.6	5.0
NW	.8	1.6										2.4	4.0
NNW	1.6	2.5	.3									4.4	3.9
VARBL	7.0	4.1	12.4	2.3								25.7	6.4
CALM												3.8	
	26.6	39.7	24.8	4.9	.1	.1						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 936

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)

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	4.1	.9									7.0	4.6
NNE	1.8	3.6	.2	.1								5.7	4.3
NE	.9	2.0	.3									3.2	4.5
ENE	1.3	1.3	.3									2.9	4.1
E	1.1	2.3	1.0	.1								4.4	5.4
ESE	.8	2.2	.9									3.8	5.2
SE	1.0	1.1	.6									2.7	4.6
SSE	1.5	.9	.1									2.5	3.3
S	3.0	2.6	.1									5.7	3.5
SSW	1.1	2.8	1.5									5.4	5.0
SW	1.0	2.6	2.3	.2								6.0	6.0
WSW	1.5	2.7	2.2	.5								6.9	6.0
W	1.7	2.5	3.2	1.2								8.6	6.7
WNW	1.8	1.3	.8	.1								4.0	4.5
NW	1.0	.6	.1									1.7	3.8
NNW	2.0	2.7	.2									5.0	4.1
VARBL	4.5	4.3	9.1	2.0								20.0	6.5
CALM												4.5	
	28.0	39.4	23.8	4.3								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 929

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34_46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.2	2.3	.4	.1								7.0	3.7
NNE	4.5	2.6	.4									7.5	3.2
NE	2.8	1.7										4.5	2.9
ENE	2.0	1.9	.4									4.4	3.9
E	2.2	2.7	1.4	.2								6.5	4.8
ESE	1.7	1.5	.5									3.8	4.0
SE	1.2	.9	.3									2.4	4.0
SSE	2.5	.8										3.2	2.8
S	4.1	2.4	.4									6.9	3.3
SSW	2.5	1.3	.3									4.1	3.6
SW	1.4	2.[illegible]	.8	.1								4.3	5.[illegible]
WSW	1.8	1.9	1.6	.1								5.5	5.3
W	2.5	2.2	1.7	.4								6.8	5.1
WNW	1.3	1.8	.2									3.3	4.1
NW	1.0	.8										1.7	3.1
NNW	1.5	1.4	.1									3.0	3.5
VARBL	3.0	.3	3.2	.4								7.0	5.5
CALM												18.2	
	40.1	28.4	11.9	1.4								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

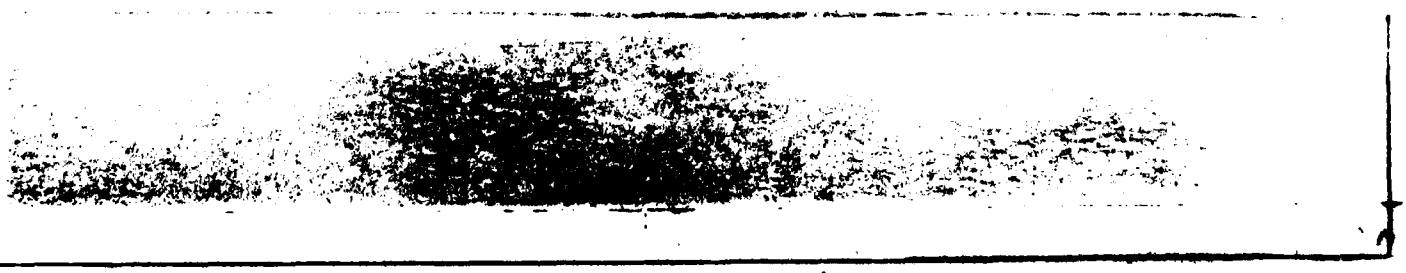
ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.6	1.9	.1									6.7	2.7
NNE	3.8	1.1										4.8	2.5
NE	1.7	1.7	.5									4.0	4.1
ENE	1.6	2.6	.9	.2								5.3	4.9
E	1.7	1.5	1.0	1.0								5.2	6.1
ESE	.9	.5	.4	.1								1.9	4.9
SE	1.2	.2	.2									1.4	3.5
SSE	4.9	1.3	.1									6.3	2.5
S	6.8	1.9	.2									8.9	2.7
SSW	1.6	1.6	.4									3.7	3.9
SW	1.3	.8	.5									2.6	4.5
WSW	.9	.8	.1									1.7	3.8
W	1.1	.3										1.4	2.7
WNW	.8	.4										1.2	3.4
NW	.4	.2	.2									.9	4.1
NNW	1.6	1.0										2.6	3.3
VARBL	2.2	.2	1.7	.2								4.3	5.3
CALM												37.2	
	36.8	18.1	6.5	1.5								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) AUG (MONTH)

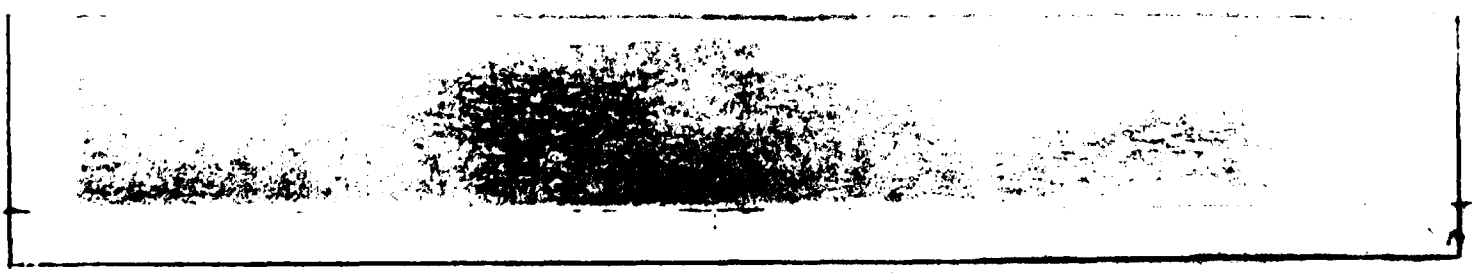
ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.6	3.1	.4	.0								7.2	3.6
NNE	2.4	1.6	.2	.[illegible]								4.1	3.4
NE	1.4	1.1	.2									2.8	3.7
ENE	1.0	1.3	.4	.1								2.8	4.4
E	1.0	1.4	.8	.3								3.5	5.5
ESE	.8	1.1	.5	.1								2.5	5.0
SE	1.2	.[illegible]	.4									2.4	4.2
SSE	1.4	1.5	.1									5.0	3.0
S	3.5	3.3	.3	.[illegible]								9.0	3.2
SSW	1.9	1.[illegible]	.6									4.4	4.1
SW	1.1	1.7	1.2	.1	.0							4.0	5.4
WSW	1.3	1.5	1.3	.2								4.3	5.5
W	1.6	1.[illegible]	1.0	.3		.0						4.5	5.3
WNW	1.1	.[illegible]	.3	.1								2.2	4.2
NW	.8	.[illegible]	.1									1.5	3.4
NNW	1.7	1.7	.2									3.6	3.7
VARBL	4.6	1.5	4.7	.9								11.6	5.6
CALM												24.6	
	34.3	26.5	12.5	2.1	.0	.0						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 7437

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)

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

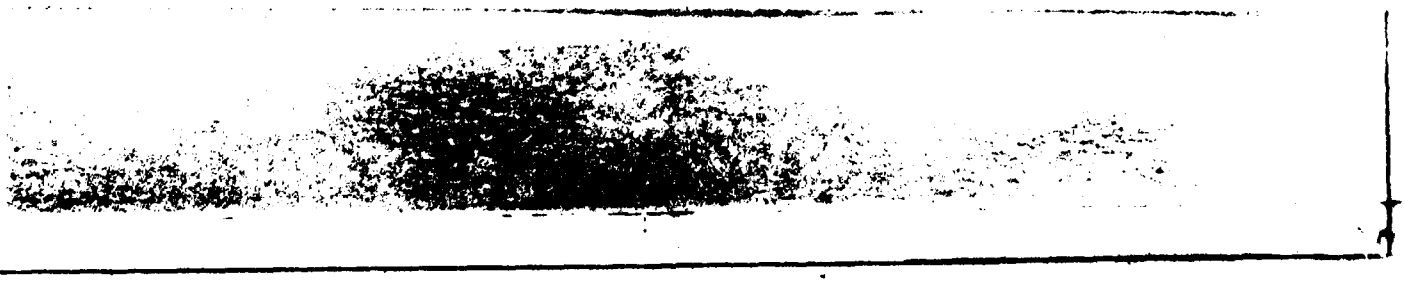
0000-0200 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.8	2.4	.2									5.4	3.6
NNE	1.9	1.8	.3									4.0	3.7
NE	1.2	.8	.4									2.4	4.2
ENE	.6	1.0										1.6	3.6
E	.2	.3	.1	.1								.8	5.9
ESE	.8	.9	.6	.1								2.3	5.0
SE	1.4	.4	.3									2.2	3.0
SSE	4.7	3.2										7.9	3.1
S	7.4	4.2	.3									12.0	3.2
SSW	2.3	1.3	.8	.1								4.6	4.1
SW	.6	.8	1.3	.1								2.8	6.1
WSW	1.0	.2	.3									1.6	3.6
W	1.3	1.	.4	.1								2.9	4.3
WNW	.3	.1	.2									.7	4.0
NW	.2											.2	1.5
NNW	.9	1.1	.2									2.2	3.8
VARBL	3.1	1.1	1.3	.2								5.8	4.3
CALM												40.7	
	30.8	20.8	7.0	.8								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	2.										3.9	3.4
NNE	1.8	.6	.1									2.4	2.6
NE	.8	.4	.7	.1								2.0	5.4
ENE	.4	.8	.1	.1								1.4	4.8
E	1.1	.9	.1	.2								2.3	4.0
ESE	.2	.8	.4	.1								1.6	6.3
SE	1.2	.8										2.0	3.0
SSE	6.1	3.8										9.9	3.0
S	6.7	6.0	.1									12.8	3.4
SSW	2.3	1.3	.9	.2								4.8	4.3
SW	1.1	1.2	.3									2.7	4.3
WSW	1.7	1.	.7	.1								3.4	4.3
W	1.0	1.1	.1	.1								2.3	4.2
WNW	.6	.1	.1									.8	3.6
NW	.6											.6	2.2
NNW	.7	1.4	.1									2.2	4.0
VARBL	3.8	.6	.4									4.8	2.9
CALM												40.1	
	31.9	22.8	4.2	1.0								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (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	2.4	1.4	.1									4.0	3.1
NNE	1.2	.6										1.8	2.9
NE	.3	.2	.4	.1								1.1	6.1
ENE	.1	.7	.2									1.0	4.6
E	.3	.2		.1								.7	4.5
ESE	.2	.3		.1								.7	4.7
SE	.8	.7	.1									1.6	3.6
SSE	5.2	4.1										9.3	3.1
S	8.1	9.1	.8									18.0	3.5
SSW	2.6	2.1	.8	.2								5.6	4.4
SW	1.6	1.3	1.2	.1								4.2	5.1
WSW	1.6	.7	.9	.2								3.3	4.9
W	2.1	1.2	.4									3.8	3.4
WNW	.6	.2		.1								.9	4.0
NW	.6	.3	.1									1.0	3.9
NNW	1.4	.8										2.2	3.0
VARBL	4.1	.3	1.1	.3								5.9	3.8
CALM												35.0	
	33.2	24.2	6.2	1.3								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (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	1.9	2.9										4.8	3.9
NNE	.4	.3	.1									.9	3.9
NE	.3	.6										.9	3.9
ENE	.7	1.4	.6									2.7	4.9
E	.3	.4	.2									1.0	4.7
ESE	.4	.6	.3	.1								1.4	5.5
SE	.4	.6	.1									1.1	4.0
SSE	3.0	3.3	.3									6.7	3.7
S	6.6	11.0	1.0	.1								18.7	4.1
SSW	3.7	3.4	2.6	.6								10.2	5.1
SW	1.1	1.3	2.8	.9	.1							6.2	7.4
WSW	1.9	2.0	1.6	1.0								6.4	6.0
W	1.8	1.9	1.1	.3	.1							5.2	5.3
WNW	1.1	.3	.1	.3								1.9	4.2
NW	.4	.8										1.2	4.0
NNW	1.0	1.4										2.4	4.1
VARBL	6.8	2.2	3.7	.4								13.1	4.6
CALM												15.1	
	31.9	34.6	14.4	3.8	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) SEP (MONTH)

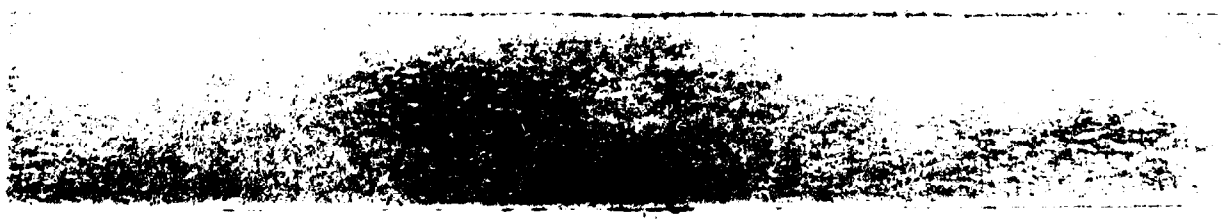
ALL WEATHER (CLASS) 1200-1400 (HOURS (L.S.T.))

(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	1.9	3.1	.4									5.4	4.2
NNE	1.1	1.0	.6									2.7	4.3
NE	.3		.6									.9	5.6
ENE	.7	.7	.3									1.7	4.3
E	.7	.8	.3	.1								1.9	4.9
ESE	.3	1.0	.9									2.2	6.0
SE	1.1	1.8	.3									3.2	4.1
SSE	1.8	1.6	.1									3.4	3.5
S	2.4	5.4	2.1	.3								10.3	5.2
SSW	1.8	3.3	1.3	.6								7.0	5.3
SW	2.1	2.7	5.4	1.8	.1							12.1	7.3
WSW	1.8	2.1	3.0	2.1	.1	.1						9.2	7.7
W	1.4	2.1	1.7	1.8	.2							7.2	7.5
WNW	1.0	.7	.8	.3								2.8	5.5
NW	.7	.3										1.0	2.7
NNW	1.8	1.0	.2									3.0	3.2
VARBL	6.3	3.1	7.6	1.9	.1							19.0	6.1
CALM												6.9	
	27.2	30.7	25.7	8.9	.6	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (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	2.7	2.6	.6									5.8	3.8
NNE	2.0	1.9	1.0									4.9	4.4
NE	1.3	.4	.1									1.9	3.0
ENE	1.0	1.1	1.1									3.2	5.1
E	1.3	2.0	.7	.3								4.3	5.0
ESE	.9	1.8	.2	.1								3.0	4.7
SE	.9	1.2	.1									2.2	3.9
SSE	1.1	1.0	.2									2.3	3.8
S	2.4	3.7	.8									6.9	4.2
SSW	2.3	3.8	2.2	.6								8.9	5.5
SW	1.0	2.8	3.8	.7	.1							8.3	7.0
WSW	1.3	4.4	3.7	2.1								11.6	7.2
W	1.4	2.2	2.6	2.0	.1							8.3	7.3
WNW	.6	1.2	.3	.3								2.4	5.6
NW	.2	.4	.1									.8	4.3
NNW	1.6	1.3	.3									3.2	4.0
VARBL	5.0	3.3	6.3	.8								15.4	5.9
CALM												6.4	
	27.1	35.2	24.1	6.9	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) SEP (MONTH)

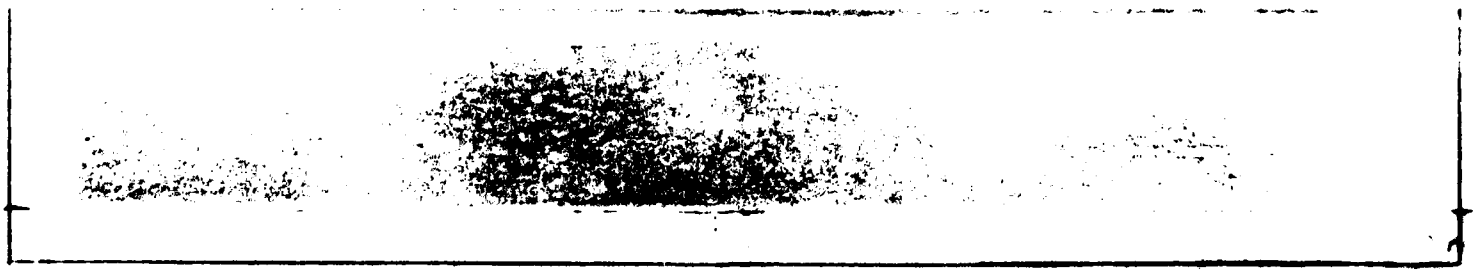
ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	2.2	.2									4.4	3.8
NNE	4.7	2.3	.3									7.3	3.3
NE	2.4	1.6	.1									4.1	3.3
ENE	2.3	1.4	.7	.1								4.6	4.1
E	1.9	1.8	.8	.1								4.6	4.5
ESE	1.2	.4	.6									2.2	4.0
SE	1.7	.2	.1									2.0	2.5
SSE	3.7	1.9	.3	.1								6.0	3.2
S	5.3	3.9	.2									9.4	3.4
SSW	1.7	2.8	1.2	.3								6.0	4.9
SW	1.9	1.1	1.3	.2								4.6	5.2
WSW	1.8	2.1	1.4	.2								5.6	5.2
W	.7	1.1	1.7	.1								3.6	6.3
WNW	.6	.3	.3	.2								1.4	5.2
NW	.2	.3	.2									.8	4.7
NNW	.4	.4	.1									1.0	4.1
VARBL	3.4	.4	1.8	.6								6.2	4.9
CALM												26.2	
	35.9	24.4	11.4	2.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 900

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

SURFACE WINDS

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

38 48	HEIDELBERG AAF DL	68-70,74-80	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.8	2.7	.2									6.7	3.1
NNE	3.2	.7										3.9	2.4
NE	2.2	1.4	.2									3.9	3.4
ENE	.7	.6	.6									1.8	4.4
E	.8	.2	1.0	.1								2.1	5.9
ESE	.3	.7	.3	.1								1.4	5.9
SE	.4	.2	.7									1.3	5.7
SSE	3.8	3.2	.6									7.6	3.6
S	6.1	4.0	.3									10.4	3.3
SSW	1.6	1.2	1.0	.3								4.1	5.1
SW	.8	1.0	.4	.7								2.9	6.7
WSW	.3	1.2	1.2									2.8	6.1
W	.8	1.3	.7									2.8	4.9
WNW	.9	.3	.1									1.3	3.3
NW	.2											.2	2.5
NNW	1.0	.6	.1									1.7	3.2
VARBL	3.1	1.1	2.4	.3								7.0	5.2
CALM												38.1	
	36.0	20.4	9.9	1.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 4c — STATION
HEIDELBERG AAF OL — STATION NAME
68-70,74-80 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
ALL — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	2.4	.2									5.1	3.6
NNE	2.0	1.1	.3									3.5	3.4
NE	1.1	.7	.3	.0								2.2	4.0
ENE	.8	1.0	.4	.0								2.2	4.5
E	.8	.6	.4	.1								2.2	4.8
ESE	.6	.8	.4	.1								1.9	5.2
SE	1.0	.7	.2									2.0	3.8
SSE	3.7	2.8	.2	.0								6.6	3.3
S	5.6	5.9	.7	.1								12.3	3.8
SSW	2.3	2.4	1.3	.4								6.4	4.9
SW	1.3	1.5	2.1	.6	.0							5.5	6.5
WSW	1.4	1.7	1.6	.7	.0	.0						5.5	6.3
W	1.3	1.5	1.1	.6	.1							4.5	5.9
WNW	.7	.4	.2	.2								1.5	4.7
NW	.4	.3	.1									.7	3.6
NNW	1.1	1.0	.1									2.2	3.7
VARBL	4.5	1.5	3.1	.6	.0							9.7	5.1
CALM												26.1	
	31.0	26.6	12.9	3.3	.1	.0						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 7200

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible] 4[illegible]	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

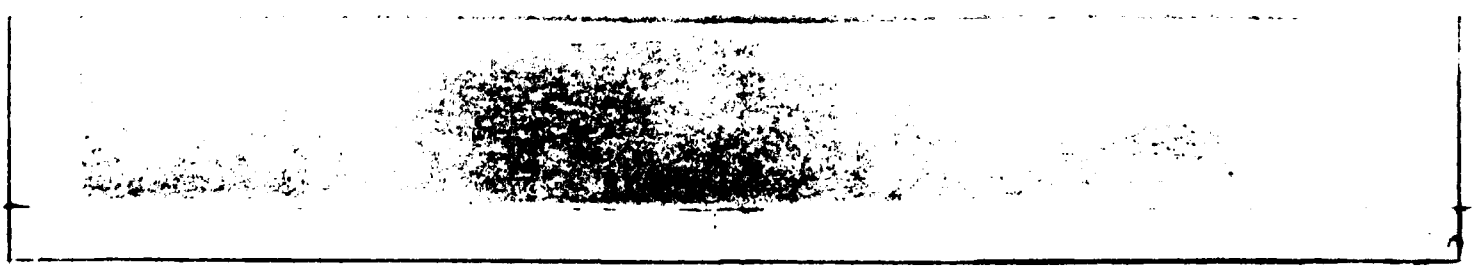
0000-0200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.1	1.[illegible]	.5									4.6	3.0
NNE	1.8	.5										2.4	3.0
NE	1.6	.5	.2									2.4	2.9
ENE	.6	.[illegible]	.1	.1								1.6	4.7
E	1.[illegible]	.2	.2	.1								1.5	4.0
ESE	1.3	.9	.2									2.4	3.6
SE	1.3	.5										1.8	2.7
SSE	3.5	2.[illegible]	.1									6.5	3.3
S	8.0	3.5	.4									11.9	3.2
SSW	2.4	1.9	1.5	.1								5.9	4.5
SW	.8	.8	.5	.4								2.5	6.2
WSW	1.5	.5	.4	.6								3.1	5.7
W	1.6	.4	.3	.3								2.7	4.5
WNW	1.2	.3	.1	.1								1.7	3.6
NW	1.2	.4										1.6	2.6
NNW	1.6	.4										2.0	2.3
VARBL	2.9	1.3	1.3	.8								6.2	4.9
CALM												39.1	
	35.4	16.9	6.0	2.6								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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)

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) OCT (MONTH)

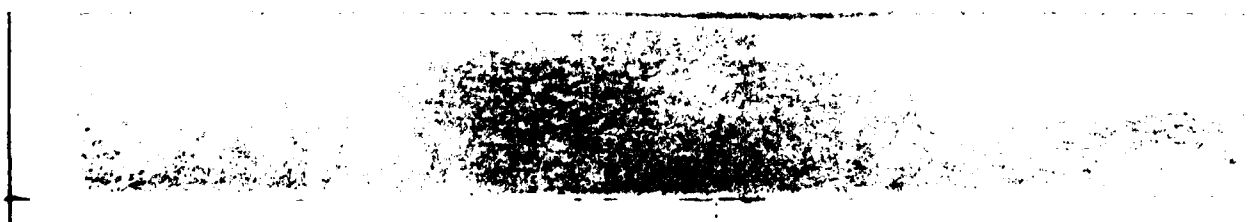
ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.0	1.4	.4									4.8	3.4
NNE	1.9	.9										2.8	2.6
NE	1.2	1.0	.1									2.3	3.2
ENE	.6	.6	.3									1.6	4.5
E	1.2	.3	.1									1.6	2.6
ESE	.2	.5										.8	4.0
SE	1.0	.4										1.4	2.9
SSE	5.7	1.9	.1									7.7	2.8
S	8.9	4.9	.5									14.4	3.2
SSW	1.3	1.9	.8	.2								4.2	5.1
SW	1.1	.6	.8	.2								2.7	5.7
WSW	1.3	.2	.8									2.3	4.0
W	2.3	.2	.1	.3								2.9	3.1
WNW	.5	.3										.9	2.9
NW	.4		.1									.5	3.0
NNW	1.8	.8	.1									2.7	2.6
VARBL	4.2	.6	2.5	.1								7.4	4.5
CALM												39.0	
	36.7	16.8	6.7	.9								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.8	1.5	.2									4.5	3.1
NNE	1.4	.5	.1									2.0	2.9
NE	1.3	.4										1.7	2.8
ENE	1.0	1.1										2.0	3.8
E	1.0	.4		.1								1.5	3.6
ESE	.6	.3		.1								1.1	3.6
SE	.8	.5										1.3	2.9
SSE	5.9	1.6	.3									7.8	2.7
S	8.4	5.6	1.1									15.1	3.4
SSW	3.9	2.2	1.6	.3								7.1	4.8
SW	2.4	.5	1.3	.8								4.9	6.0
WSW	1.3	.4	.4	.2								2.4	4.4
W	1.6	.3	.6	.1								2.7	4.1
WNW	.9	.3										1.2	2.6
NW	.5											.5	1.4
NNW	1.7	.1										1.8	1.9
VARBL	3.2	.9	2.2	.4								6.7	4.8
CALM												35.6	
	37.7	16.8	7.8	2.0								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
OCT — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.4	.4									3.8	3.7
NNE	1.6	.8	.1									2.5	3.1
NE	.9	.2	.1	.1								1.3	3.6
ENE	1.5	.3	.6									2.5	4.2
E	1.1	.9	.2									2.2	4.0
ESE	.9	.4	.3									1.6	4.1
SE	.4	.3	.3									1.1	4.3
SSE	2.0	1.7	.2									4.0	3.5
S	8.4	6.3	1.0									15.7	3.6
SSW	3.8	4.7	2.5	.5								11.5	5.1
SW	2.5	1.8	1.4	1.0								6.7	5.8
WSW	1.8	1.1	1.6	1.1								5.6	6.5
W	1.7	1.7	.8	.3								4.5	4.9
WNW	.5	.3	.1									1.0	3.8
NW	1.8	.3										2.2	2.3
NNW	1.4	.6	.2									2.3	3.4
VARBL	4.3	1.5	2.9	1.0	.1							9.8	5.5
CALM												22.0	
	36.6	24.5	12.8	4.0	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.4	2.2	1.1									6.7	3.7
NNE	1.6	.6	.3									2.6	3.5
NE	1.1	.3	.1									1.5	3.0
ENE	.9	.3	.5	.5								2.3	6.4
E	.9	.3	.8									1.9	5.1
ESE	.8	1.1	.4	.1								2.4	5.0
SE	.6	1.3	.1									2.0	4.3
SSE	1.4	2.0	.2									3.7	3.9
S	3.9	6.4	1.2									11.4	4.3
SSW	3.7	4.4	2.5	.5								11.1	5.1
SW	2.4	2.7	2.4	1.2	.1							8.7	6.5
WSW	1.4	1.9	2.5	.5	.1							6.5	6.5
W	2.2	1.4	1.4	.9	.1							5.9	6.1
WNW	1.4	1.1	.6	.1								3.2	4.4
NW	.9	.6										1.5	3.1
NNW	1.8	2.2	.3									4.3	3.6
VARBL	5.1	1.8	4.3	1.2								12.4	5.6
CALM												11.9	
	33.3	30.7	18.7	5.1	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34146 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (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	3.9	3.2	.4	.1								7.6	3.7
NNE	2.1	1.5	.2									3.8	3.3
NE	1.3	1.3										2.6	3.3
ENE	.6	.6	.4	.1								1.8	5.3
E	.6	1.6	.6	.1								3.0	5.4
ESE	1.2	1.5	.4									3.1	4.4
SE	.6	1.1										1.7	3.9
SSE	2.2	1.3	.1									4.1	3.3
S	4.6	3.3	.8									8.7	3.5
SSW	3.8	2.8	1.4									7.0	4.3
SW	2.2	2.8	2.3	.2	.1							7.3	5.5
WSW	1.5	2.7	2.4	1.4	.1							8.1	6.8
W	2.3	1.7	1.7	.5								6.2	5.7
WNW	1.2	1.3	.3	.1								2.6	4.2
NW	1.1	.8	.1									1.9	3.7
NNW	2.1	1.7	.4									5.2	3.4
VARBL	5.1	1.9	3.3	.9								11.2	5.2
CALM												14.1	
	36.1	31.4	14.7	3.4	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible]46	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.8	1.7	.2									7.7	2.7
NNE	3.3	1.[illegible]	.2									4.5	2.7
NE	1.6	.9	.3									2.8	3.5
ENE	1.1	1.[illegible]	.9									2.9	4.8
E	.9	.9	.3									2.0	4.1
ESE	1.1	1.2	.5									2.8	4.6
SE	1.5	.8										2.3	2.9
SSE	5.5	1.8										7.3	[illegible].7
S	7.[illegible]	3.[illegible]	.6									10.6	3.2
SSW	2.0	1.6	.6									4.3	4.2
SW	1.4	1.2	.6									3.2	4.1
WSW	.3	1.5	1.2	.1								3.1	6.1
W	1.2	1.4	.4	.2								3.2	5.0
WNW	1.0	.8	.1	.1								1.9	3.8
NW	.6	.4										1.1	3.0
NNW	1.2	.8										1.9	3.1
VARBL	4.5	1.[illegible]	1.5	.6								7.6	4.1
CALM												30.5	
	40.0	20.8	7.6	1.1								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	1.5	.2	.1								4.5	3.3
NNE	1.6	.2										1.8	2.3
NE	1.1	.8	.3									2.2	4.1
ENE	.8	.6	.5	.1								2.0	5.1
E	.8	.9	.3	.1								2.0	5.1
ESE	1.0	.6	1.2	.2								2.8	5.6
SE	1.3	.5	.1									1.9	3.1
SSE	7.6	3.	.1									10.8	2.9
S	6.7	4.3	.2									11.2	3.1
SSW	1.3	1.1	1.1									3.4	4.8
SW	.9	.3	.9	.4								2.5	6.3
WSW	.6	1.3	.2	.1								2.3	4.8
W	1.0	.9	.6	.3								2.8	5.6
WNW	.9	.5										1.4	3.2
NW	.3	.5										.9	3.5
NNW	2.4	.4										2.8	2.7
VARBL	4.1	.6	2.5	.8								8.0	5.2
CALM												36.8	
	34.8	18.2	8.1	2.2								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

3[illegible] 4[illegible] (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) OCT (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	1.7	.4	.[illegible]								5.5	3.3
NNE	1.9	.8	.1									2.8	2.9
NE	1.3	.7	.1	.0								2.1	3.3
ENE	.9	.7	.4	.1								2.1	4.9
E	.9	.7	.3	.1								2.0	4.4
ESE	.9	.8	.4	.1								2.1	4.5
SE	.9	.7	.1									1.7	3.4
SSE	4.2	2.1	.1									6.5	3.[illegible]
S	7.0	4.7	.7									12.4	3.4
SSW	2.5	2.6	1.5	.2								6.8	4.8
SW	1.7	1.3	1.2	.5	.0							4.8	5.8
WSW	1.2	1.2	1.2	.5	.0							4.2	6.0
W	1.7	1.[illegible]	.8	.4	.[illegible]							3.9	5.1
WNW	.9	.6	.2	.1								1.7	3.8
NW	.9	.4	.0									1.3	2.9
NNW	1.9	.9	.1									2.9	3.0
VARBL	4.2	1.2	2.6	.7	.0							8.7	5.9
CALM												28.6	
	36.3	22.0	10.3	2.6	.1							100.0	3.[illegible]

TOTAL NUMBER OF OBSERVATIONS 7439

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 STATION — HEIDELBERG AAF DL STATION NAME — 68-70,74-80 YEARS — NOV MONTH

ALL WEATHER CLASS — 0001-0200 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.8	2.2	.9									6.9	3.8
NNE	1.3	.9	.1									2.3	3.2
NE	.8	.9	.4									2.1	4.9
ENE	.4	.2	.7	.1								1.4	6.4
E	1.0	.6	.6	.4	.1							2.7	6.3
ESE	.8	.7	.4									1.9	4.8
SE	.6	.1	.1	.1								.9	4.6
SSE	4.6	4.4	1.0									10.0	3.9
S	9.2	7.4	2.0									18.7	3.9
SSW	2.0	2.[illegible]	1.9	.3								6.2	5.6
SW	.7	2.2	1.4	1.7								6.0	7.5
WSW	1.[illegible]	1.2	.9	.3	.3							3.8	6.9
W	1.3	.6	.6	.4	.1							3.0	6.5
WNW	.3	.1										.4	2.8
NW		.4	.1									.6	5.6
NNW	1.8	.4										2.2	2.5
VARBL	3.2	1.4	1.9	1.3	.4	.1						8.4	6.6
CALM												22.4	
	32.8	25.9	13.0	4.8	1.0	.1						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF OL	66-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.2	1.7	.4	.1								6.4	3.3
NNE	1.2	.7	.4	.1								2.4	4.2
NE	1.3	.3	.3	.1								1.8	4.8
ENE	.7	.7	.4	.1								1.9	5.4
E	.9	.8	.4	.3								2.4	5.8
ESE	.7	.6	.2									1.4	4.4
SE	1.3	.2										1.8	3.6
SSE	6.4	5.1	1.3									12.9	3.7
S	7.9	7.4	1.3	.1								16.8	3.7
SSW	.9	1.4	2.6	.7								5.4	7.3
SW	.3	.7	2.1	1.2	.3							4.7	9.5
WSW	1.3	1.3	1.3	.3	.1							4.1	6.5
W	1.1	.3	1.3	.8	.1							3.7	7.7
WNW	.6	.1	.1	.1								.9	4.4
NW	.4	.2	.2									.9	4.5
NNW	1.3	.7										2.0	3.1
VARBL	3.2	1.2	1.7	1.4	.4							7.8	6.6
CALM												22.7	
	32.6	24.0	14.3	5.4	1.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — 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	4.2	2.1	.6									6.9	3.3
NNE	1.4	1.[illegible]	.2	.1								2.8	4.[illegible]
NE	1.[illegible]	.8	.6									2.3	5.[illegible]
ENE	.3	.[illegible]	.4	.2								1.2	6.5
E	.2	.7	.3	.4								1.7	7.3
ESE	.4	.4										.9	2.9
SE	.9	.9	.2									2.[illegible]	3.9
SSE	4.9	6.2	.6									11.7	3.8
S	8.3	8.2	1.2									17.8	3.7
SSW	[illegible].2	2.7	1.9	.6								7.3	5.3
SW	.6	.4	2.2	1.7	.1							5.[illegible]	9.[illegible]
WSW	1.[illegible]	.6	2.[illegible]	1.1								4.9	7.6
W	1.3	.[illegible]	.7	1.[illegible]	.4							4.2	7.6
WNW	.9		.1									1.[illegible]	2.4
NW	.4	.1	.1									.7	3.5
NNW	1.2	.3	.1									1.7	2.7
VARBL	3.8	1.[illegible]	1.6	1.2	.2							7.8	5.9
CALM												20.2	
	33.2	26.[illegible]	12.8	6.3	.8							100.[illegible]	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS 90[illegible]

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)

34 48 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
NOV — MONTH
ALL WEATHER — CLASS
0900-1100 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.3	2.8	.3	.1								6.6	3.7
NNE	1.3	1.[illegible]	.4									2.8	4.1
NE	.6	.7	.1	.1								1.7	4.5
ENE	.3	.9	.1	.2								1.6	5.1
E	.6	.3	.2	.7	.1							1.9	8.5
ESE	.3	.3	.1	.1								1.3	4.8
SE	.8	.4	.2									1.4	3.8
SSE	3.1	3.[illegible]	.8									6.9	4.1
S	8.[illegible]	9.1	2.[illegible]	.1								19.2	4.1
SSW	2.8	3.6	1.9	1.4								9.7	5.9
SW	.9	1.2	3.4	2.1								7.7	8.4
WSW	1.[illegible]	1.4	1.9	1.[illegible]	.4							5.8	8.2
W	1.7	1.6	.9	.2	.1							4.4	4.9
WNW	.4	.3										.8	3.3
NW	1.[illegible]	.2										1.2	2.8
NNW	2.[illegible]	.4	.2									2.7	3.[illegible]
VARBL	4.[illegible]	1.1	3.7	1.4	.2	.2						10.7	6.6
CALM												13.7	
	32.4	28.9	16.4	7.6	.9	.2						100.[illegible]	4.6

TOTAL NUMBER OF OBSERVATIONS 899

GL BAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

38 46	HEIDELBERG AAF DL	68-70,74-80	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	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.9	4.6	1.6									9.0	4.7
NNE	1.3	1.	.2	.1								2.7	4.0
NE	.2	.8	.2									1.2	5.4
ENE		.9	.4	.2								1.4	7.2
E	.3	.6	.4	.4								1.8	7.5
ESE	.3	.7	.4									1.4	5.2
SE	.6	1.1	.2									1.9	4.1
SSE	1.6	3.	.6									5.1	4.5
S	3.7	7.2	1.9	.3								13.1	4.9
SSW	2.8	4.3	2.7	1.1	.2							11.1	6.1
SW	1.6	3.	4.7	2.8	.3							12.3	8.0
WSW	.8	2.4	3.2	2.0	.1	.1						8.7	8.4
W	.1	1.4	1.6	1.0	.3	.1						6.6	6.9
WNW	.6	.1										.7	2.5
NW	1.	.3										1.3	2.6
NNW	1.6	.6	.1									2.2	3.1
VARBL	3.4	1.2	5.8	1.3	.3	.1						12.2	7.2
CALM												7.2	
	24.7	33.1	24.0	9.3	1.3	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF DL	68-70,74-80	NOV
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	4.2	3.6	1.2	.1								9.1	4.2
NNE	2.1	.6	.3									3.0	3.4
NE	.7	.6	.2									1.4	4.2
ENE	.2	1.1	.7	.1								2.1	6.1
E	.7	1.2	1.2	.1								3.2	6.1
ESE	1.1	.7	.2	.1								2.1	4.4
SE	1.3	1.1	.3									2.4	4.0
SSE	2.8	2.4	.3	.1								5.7	3.6
S	5.1	6.2	1.2									13.6	4.0
SSW	2.6	3.2	3.1	1.1								10.0	6.3
SW	1.3	2.9	3.2	1.9	.1							9.4	7.4
WSW	1.2	2.7	2.2	1.8	.1							7.3	7.7
W	1.6	1.9	2.3	.8								6.6	6.2
WNW	.9	.6	.2	.2								1.9	4.9
NW	.9	.1	.2									1.2	3.5
NNW	1.1	.3	.2									1.7	3.1
VARBL	2.6	1.2	3.2	1.3								8.3	6.5
CALM												10.9	
	31.0	29.7	20.6	7.7	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 960

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)

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 6P-70,74-80 (YEARS) NOV (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.1	2.3	.9									7.3	3.6
NNE	2.2	.3	.1									2.7	2.7
NE	1.3	1.1	.1	.1								2.7	4.0
ENE	1.3	.7	.3	.1								2.4	4.1
E	1.0	1.1	.6	.6	.1							3.3	6.8
ESE	.6	.4	.9									1.9	5.9
SE	1.0	.3	.2	.2								1.8	4.6
SSE	5.7	3.3	1.2	.1								10.3	3.8
S	7.4	6.2	1.1	.2								15.0	3.9
SSW	1.2	1.8	1.7	.4								5.1	6.0
SW	1.0	1.7	3.2	2.0								7.9	8.1
WSW	1.1	1.1	1.1	.9								4.2	6.7
W	1.4	1.1	1.0	.8								4.3	6.2
WNW	.3	.4	.1									.9	4.5
NW	.4	.1										.6	3.2
NNW	1.2	.4	.4									2.1	3.9
VARBL	1.8	.9	1.7	1.0								5.3	6.7
CALM												22.1	
	33.2	23.4	14.7	6.4	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 21 00-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	1.7	1.4									6.3	4.0
NNE	2.0	.3	.3									2.7	3.0
NE	.8	1.2	.1	.1								2.2	4.7
ENE	.7	1.0	.4	.1								2.2	5.3
E	.7	.2	.2	.6								1.7	6.5
ESE	.9	.9	1.0	.2								3.0	6.0
SE	.7	1.1										1.8	3.7
SSE	4.2	4.8	1.2	.1								10.3	4.3
S	8.2	6.1	1.4	.1								15.9	3.8
SSW	1.0	2.0	2.0	.7		.1						5.8	6.6
SW	.3	1.2	2.7	1.3								5.6	8.2
WSW	1.1	1.0	2.2	1.0		.1						5.4	7.7
W	1.6	1.1	.8	.4								3.9	5.0
WNW	.3	.4										.8	4.0
NW	.2	.4										.7	3.5
NNW	1.3		.3									1.7	3.1
VARBL	2.2	.8	1.9	1.2	.1	.1						6.3	7.0
CALM												23.5	
	29.4	24.3	16.1	5.9	.1	.3						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF DL	68-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

ALL — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.8	2.6	.9	.0								7.3	3.9
NNE	1.6	.7	.3	.0								2.7	3.6
NE	.8	.3	.3	.1								1.9	4.6
ENE	.5	.7	.4	.2								1.8	5.6
E	.7	.7	.5	.4	.0							2.3	6.7
ESE	.6	.6	.4	.1								1.8	5.0
SE	.8	.7	.2	.0								1.8	4.0
SSE	4.2	4.[illegible]	.9	.0								9.1	3.9
S	7.4	7.3	1.5	.1								16.3	4.0
SSW	1.9	2.6	2.2	.8	.0	.0						7.6	6.1
SW	.8	1.7	2.9	1.8	.1							7.3	8.2
WSW	1.0	1.4	1.9	1.1	.1	.0						5.5	7.6
W	1.5	1.1	1.1	.7	.1	.0						4.6	6.4
WNW	.5	.3	.1	.0								.9	3.8
NW	.6	.3	.1									.9	3.5
NNW	1.4	.4	.2									2.0	3.1
VARBL	3.0	1.1	2.7	1.3	.2	.1						8.4	6.7
CALM												17.9	
	31.2	27.0	16.5	6.7	.7	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 7199

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)

31346	HEIDELBERG AAF DL	68-70,74-80	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	1.9	1.2									5.2	4.5
NNE	1.1	.2	.4									1.7	3.8
NE	.3	.6	.3									1.3	5.6
ENE	1.5	1.2	1.1	.2								4.0	5.2
E	1.5	1.0	.2	.1								2.8	3.8
ESE	.4	.6	.3									1.4	4.6
SE	.6	.6	.4									1.7	4.8
SSE	4.6	4.6	.4									9.7	3.7
S	7.4	7.1	.9									15.4	3.8
SSW	1.8	1.7	2.3	.9								6.7	6.4
SW	.5	1.3	1.8	1.7	.1							5.5	8.6
WSW	1.0	1.6	1.4	1.5	.3							5.8	6.4
W	1.7	1.1	.9	.8	.1							4.5	6.2
WNW	1.4	.6										2.0	2.7
NW	.4	.3										.8	3.3
NNW	1.4	.9	.4									2.7	3.6
VARBL	4.0	1.6	2.0	1.1	.1							8.8	5.5
CALM												20.0	
	31.9	27.1	14.1	6.2	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	1.6	1.1									5.9	4.1
NNE	1.3	.6	.2									2.2	3.3
NE	.4	.6	.3	.1								1.5	5.2
ENE	1.2	1.2	1.2	.3								3.9	5.6
E	1.5	.5	.4	.1								2.6	4.3
ESE	.6	.9										1.5	3.7
SE	1.1	.8	.4									2.3	4.2
SSE	4.2	4.7	.5									9.5	3.8
S	6.8	6.5	1.1									14.3	3.7
SSW	1.9	2.3	1.8	.6								6.7	5.8
SW	.8	1.4	2.5	.6	.4	.1						5.8	8.6
WSW	1.6	1.2	1.1	.6	.4							4.9	6.9
W	1.6	1.6	.8	.9								4.2	6.0
WNW	.6	.8	.5									1.9	4.6
NW	.4	.2										.6	2.8
NNW	.8	.9	.1									1.7	3.4
VARBL	3.0	2.5	2.0	1.6	.3							9.5	6.7
CALM												21.1	
	31.1	27.5	14.1	4.9	1.2	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.9	1.6	1.4									5.9	4.1
NNE	.8	.8	.5									2.0	4.3
NE	1.3	.4	.1									1.8	3.4
ENE	1.0	1.2	.5	.2								2.9	5.1
E	1.1	1.2	.5	.2								3.0	5.2
ESE	1.4	.6										2.0	2.7
SE	1.1	.9	.1									2.0	3.3
SSE	3.1	5.2	.3									8.6	4.2
S	6.1	9.1	.8									15.9	3.9
SSW	2.5	3.3	2.0	.4	.3							8.2	5.8
SW	1.4	1.4	2.3	1.1	.5							6.7	7.9
WSW	1.3	.4	.9	.4	.4							3.4	7.4
W	.8	1.1	1.2	.5	.1							3.7	7.2
WNW	1.2	.2		.1								1.5	3.1
NW	.8	.3	.1									1.2	3.5
NNW	1.5	.9	.1									2.5	3.4
VARBL	2.7	2.7	2.4	1.4	.3							9.5	6.6
CALM												19.1	
	30.3	31.2	13.2	4.4	1.7							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46	HEIDELBERG AAF GL	68-70,74-80	DEC
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	1.7	2.7	.8									5.2	4.5
NNE	1.3	.8	.4									2.5	3.8
NE	.5	.8	.3									1.6	4.5
ENE	1.0	1.2	.1									2.3	4.0
E	1.1	2.0	.5									3.7	4.7
ESE	.8	.8	.4	.1								2.0	5.1
SE	1.0	.8	.2									1.9	3.8
SSE	4.9	4.3	.8									10.0	3.7
S	5.4	8.1	2.5	.1								16.0	4.5
SSW	1.8	4.3	1.8	1.2	.2							9.4	6.3
SW	1.0	1.4	2.5	1.5	.1							6.5	8.0
WSW	1.4	1.4	1.9	1.1	.5	.2						6.6	8.3
W	1.3	.5	.6	.8	.1	.2						3.5	7.8
WNW	1.1	.2	.3	.1								1.7	4.4
NW	1.4	.2	.1									1.7	2.9
NNW	1.1	1.	.1									2.2	3.5
VARBL	3.4	1.6	2.5	1.0	.4	.1						9.0	6.5
CALM												14.3	
	30.1	31.9	15.9	5.8	1.4	.5						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
DEC — MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.6	.2	.1								4.5	4.2
NNE	1.5	.6		.1								2.3	3.1
NE	.2	.8	.6									1.6	6.0
ENE	.9	1.1	.4									2.4	4.3
E	.9	1.8	.9	.1								3.3	5.3
ESE	.5	1.5	.2		.1							2.4	5.1
SE	.2	1.4	.5									2.2	5.4
SSE	3.4	3.3	.3									7.1	3.8
S	2.5	7.5	1.2									14.2	4.1
SSW	2.2	3.4	2.6	.4								8.6	5.7
SW	1.1	2.3	4.6	2.3	.3							10.5	8.3
WSW	1.4	.5	2.4	2.2	.3	.2						7.0	9.3
W	1.5	1.[illegible]	1.2	1.9	.2	.2						6.0	9.0
WNW	.9	.3	.5									1.7	4.7
NW	.6	.6										1.3	3.3
NNW	1.7	.5										2.3	3.0
VARBL	4.4	2.2	3.5	2.0	.2	.3						12.7	7.0
CALM												10.0	
	28.5	31.2	19.2	9.1	1.2	.8						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) DEC (MONTH)

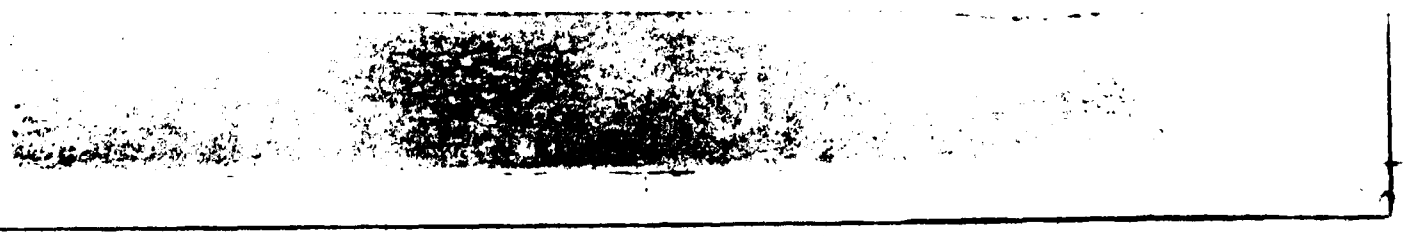
ALL WEATHER (CLASS) 1500-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	1.5	.4									4.6	3.8
NNE	2.3	1.	.2	.1								3.5	3.4
NE	.9	1.4	.4									2.7	4.7
ENE	.9	1.7	.8									3.3	5.1
E	.9	2.	.6									3.5	5.
ESE	.8	1.4	.4									2.6	4.5
SE	1.0	1.5	.3	.2								3.0	4.8
SSE	2.9	2.6	.2									5.7	3.7
S	4.9	6.3	1.4									12.7	4.1
SSW	2.0	3.8	2.5	.3								8.6	5.5
SW	1.0	2.7	4.0	1.8	.2							9.7	8.0
WSW	1.3	1.2	1.7	1.5	.3							6.0	8.1
W	.9	1.9	.9	1.0	.3							4.9	7.6
WNW	.5	.4	.2	.1								1.3	5.0
NW	1.0	.9	.1									1.9	3.8
NNW	1.9	.9	.2									3.0	3.2
VARBL	3.8	1.9	2.4	1.5	.3	.2						10.1	6.7
CALM												12.7	
	29.5	33.1	16.8	6.6	1.2	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

30 45	HEIDELBERG AAF DL	68-70,74-80	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.1	2.1	.3									4.4	3.8
NNE	2.6	1.6	.1									4.3	3.1
NE	.6	1.3	.3									2.3	4.7
ENE	.3	1.6	.6									2.6	5.2
E	.8	1.1	.3									2.2	4.2
ESE	.8	1.1	.5									2.3	5.0
SE	1.1	.3										1.7	2.9
SSE	3.7	3.8	1.5									8.9	4.2
S	6.2	5.2	1.7	.1								13.2	4.1
SSW	2.0	3.8	2.8	.5								9.1	5.8
SW	.6	1.1	4.0	.9	.3							6.9	8.3
WSW	1.3	.8	.9	1.1	.2							3.9	8.3
W	.4	1.6	.8	1.1								3.9	7.8
WNW	.4	.6	.4									1.5	5.0
NW	.5	.2	.2									1.0	3.8
NNW	.9	.2	.6									1.7	4.4
VARBL	3.1	2.2	2.9	.5	.2	.1						9.0	6.2
CALM												21.2	
	27.1	28.6	18.1	4.2	.8	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34 46 (STATION) HEIDELBERG AAF GL (STATION NAME) 68-70, 74-80 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.3	.5									3.1	4.4
NNE	2.2	1.1	.1									3.3	3.3
NE	.4	.9	.4									1.7	4.9
ENE	.5	1.1	.6									2.3	5.0
E	1.0	.9	.3	.1								2.3	4.7
ESE	.4	1.	.2									1.6	4.6
SE	.6	1.7	.5									2.9	5.0
SSE	4.8	3.7	.3									8.8	3.5
S	5.5	7.8	1.6	.1								15.0	4.1
SSW	1.9	2.7	2.5	.5	.1							7.8	6.0
SW	1.0	1.5	2.5	.9	.2							6.0	7.7
WSW	1.5	1.1	1.1	1.6	.1							5.4	7.5
W	.4	.9	.8	.8								2.8	7.3
WNW	.4	.5	.2		.1							1.3	5.7
NW		.5	.1									.6	5.7
NNW	1.0	1.7	.9									3.6	5.0
VARBL	4.5	1.3	2.7	.5	.3							9.4	5.6
CALM												22.1	
	27.6	29.5	15.4	4.5	.9							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34.46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) DEC (MONTH)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.2	1.9	.7	.0								4.9	4.2
NNE	1.6	.8	.3	.0								2.7	3.4
NE	.6	.8	.4	.0								1.8	4.8
ENE	.9	1.3	.7	.1								2.9	5.0
E	1.1	1.3	.5	.1								2.9	4.7
ESE	.7	1.[illegible]	.3	.0	.0							2.0	4.4
SE	.8	1.[illegible]	.3	.0								2.2	4.4
SSE	4.[illegible]	4.[illegible]	.6									8.5	3.8
S	6.[illegible]	7.2	1.4	.0								14.6	4.0
SSW	[illegible]	3.2	2.3	.6	.1							8.1	5.9
SW	.9	1.6	3.0	1.3	.3	.[illegible]						7.2	8.2
WSW	1.3	1.[illegible]	1.4	1.3	.3	.1						5.4	8.1
W	1.1	1.1	.9	1.0	.1	.1						4.2	7.4
WNW	.8	.5	.3	.0	.0							1.6	4.3
NW	.6	.4	.1									1.1	3.6
NNW	1.3	.[illegible]	.3									2.4	3.7
VARBL	3.6	2.[illegible]	2.6	1.2	.3	.1						9.7	6.4
CALM												17.6	
	29.5	30.0	15.9	5.7	1.1	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 7437

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)

34 45 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-P1 — YEARS
ALL — MONTH
ALL WEATHER — CLASS
ALL — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.1	3.[illegible]	.8	.0								6.9	4.1
NNE	[illegible].0	1.4	.3	.0								3.7	3.7
NE	1.1	1.1	.3	.[illegible]	.0							2.5	4.1
ENE	.9	1.2	.6	.2	.0	.0						2.9	5.3
E	.9	1.2	.8	.3	.0	.0						3.2	5.9
ESE	.6	.9	.4	.1	.0							2.1	5.0
SE	.8	.[illegible]	.3	.0								1.9	4.3
SSE	3.4	2.4	.3	.0								6.1	3.5
S	5.8	4.8	.8	.[illegible]								11.5	3.7
SSW	[illegible].0	2.4	1.5	.4	.0	.0						6.3	5.3
SW	1.1	1.6	2.[illegible]	.9	.1	.[illegible]						5.7	7.2
WSW	1.2	1.5	1.5	.8	.1	.0						5.0	6.8
W	1.7	1.5	1.1	.6	.1	.0						5.0	5.9
WNW	.9	.7	.4	.1	.0	.0						2.1	4.8
NW	.7	.[illegible]	.2	.[illegible]								1.4	3.9
NNW	1.5	1.3	.3	.0								3.0	3.8
VARBL	3.3	1.3	4.0	1.1	.1	.0	.0					9.9	6.3
CALM												20.8	
	50.9	27.6	15.7	4.5	.4	.1	.0					100.0	4.[illegible]

TOTAL NUMBER OF OBSERVATIONS 67618

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)

34246 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-81 (YEARS) ALL (MONTH)

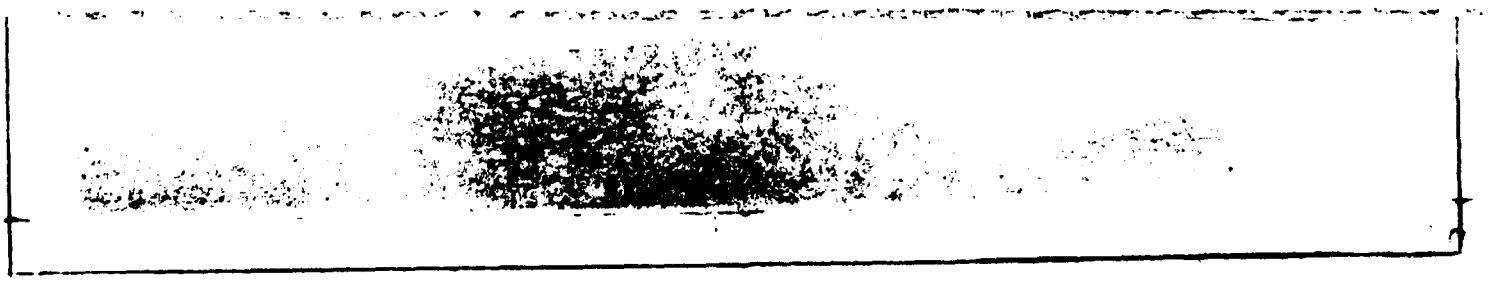
INSTRUMENT (CLASS) ALL (HOURS (L.S.T.))

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.9	3.7	1.3	.0								9.6	3.7
NNE	1.9	.6	.1	.0								2.6	3.0
NE	.7	.3	.1									1.1	3.0
ENE	.6	.3	.0	.0								1.0	3.4
E	.6	.4	.1									1.1	3.5
ESE	.5	.4	.0									1.0	3.2
SE	.6	.5	.1	.0								1.2	3.5
SSE	3.9	2.3	.2									6.3	3.2
S	8.2	5.1	.7	.0								14.0	3.4
SSW	2.5	3.1	1.7	.4	.0							7.7	5.0
SW	1.5	1.6	2.1	1.2	.1	.0						6.6	7.2
WSW	1.5	.8	1.0	.4	.0							3.6	5.6
W	2.0	.8	.1	.1								3.0	3.1
WNW	1.1	.5	.1	.0								1.7	3.4
NW	1.1	.6	.1	.0								1.9	3.3
NNW	2.7	1.5	.3									4.6	3.3
VARBL	3.9	1.	.8	.2	.0	.0						6.0	3.7
CALM												27.1	
	38.4	23.4	8.5	2.4	.2	.0						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 10525

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



U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 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

34 46 | HEIDELBERG AAF DL | 69-70,74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

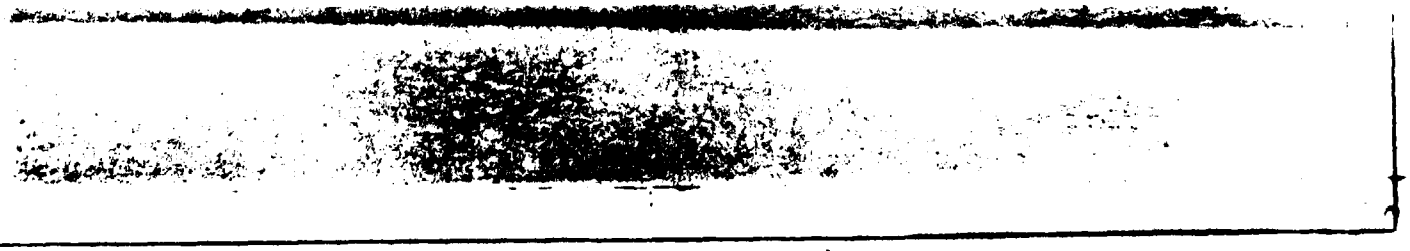
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		17.7	18.6	20.6	22.2	22.2	23.4	24.4	24.8	25.1	25.3	25.3	25.4	25.4	25.5	25.9
≥ 20000		19.3	20.2	22.2	23.9	23.9	25.1	26.2	26.5	26.8	27.0	27.0	27.1	27.1	27.2	27.6
≥ 18000		19.6	20.8	22.7	24.4	24.4	25.6	26.7	27.0	27.3	27.6	27.6	27.7	27.7	27.8	28.1
≥ 16000		19.6	20.8	22.7	24.4	24.4	25.6	26.7	27.0	27.3	27.6	27.6	27.7	27.7	27.8	28.1
≥ 14000		19.8	21.0	22.9	24.7	24.7	25.8	26.9	27.2	27.6	27.8	27.8	27.9	27.9	28.0	28.3
≥ 12000		20.3	21.5	23.5	25.2	25.2	26.4	27.4	27.8	28.1	28.3	28.3	28.4	28.4	28.5	28.8
≥ 10000		22.0	23.1	25.2	26.9	26.9	28.1	29.2	29.5	29.8	30.0	30.0	30.1	30.1	30.2	30.6
≥ 9000		23.1	24.2	26.5	28.4	28.4	29.6	30.7	31.0	31.3	31.5	31.5	31.6	31.6	31.8	32.1
≥ 8000		28.3	29.5	32.0	34.2	34.2	35.5	36.7	37.1	37.9	38.1	38.1	38.2	38.2	38.3	38.6
≥ 7000		29.5	30.7	33.3	35.7	35.7	37.0	38.2	38.6	39.4	39.6	39.6	39.7	39.7	39.8	40.2
≥ 6000		30.9	32.1	34.9	37.4	37.4	38.6	39.8	40.3	41.0	41.2	41.2	41.3	41.3	41.4	41.8
≥ 5000		32.7	34.1	37.0	39.6	39.6	40.9	42.1	42.6	43.5	43.7	43.7	43.8	43.8	43.9	44.2
≥ 4500		37.1	38.8	42.1	45.3	45.3	46.8	48.1	48.8	49.6	49.8	49.8	49.9	49.9	50.1	50.4
≥ 4000		39.9	41.8	45.4	49.8	49.8	51.3	52.7	53.4	54.3	54.5	54.5	54.6	54.6	54.7	55.0
≥ 3500		42.7	44.8	48.7	53.3	53.3	54.9	56.4	57.1	57.9	58.1	58.1	58.2	58.2	58.3	58.7
≥ 3000		46.2	49.1	53.0	58.2	58.2	59.8	61.7	62.3	63.2	63.4	63.4	63.5	63.5	63.6	63.9
≥ 2500		49.1	53.2	57.9	64.0	64.0	65.8	67.6	68.4	69.2	69.4	69.4	69.5	69.5	69.6	70.1
≥ 2000		55.2	60.2	65.4	73.1	73.1	75.2	77.7	78.8	79.9	80.1	80.1	80.3	80.3	80.4	80.7
≥ 1800		55.7	60.5	66.0	73.8	74.0	76.5	79.3	80.4	81.5	81.7	81.7	81.9	81.9	82.0	82.3
≥ 1500		57.5	62.6	68.5	77.2	77.3	80.2	83.0	84.2	85.5	85.7	85.7	85.9	85.9	86.0	86.3
≥ 1200		58.0	63.2	69.1	78.4	78.7	81.7	84.5	85.7	87.0	87.2	87.3	87.5	87.5	87.6	87.9
≥ 1000		58.3	63.6	69.5	78.9	79.3	82.6	85.4	86.5	88.6	88.8	88.9	89.1	89.1	89.2	89.6
≥ 900		58.8	64.0	70.0	79.7	80.1	83.4	86.4	87.6	89.8	90.0	90.1	90.3	90.3	90.4	90.7
≥ 800		59.1	64.5	70.5	80.2	80.6	84.2	87.4	88.7	90.9	91.1	91.2	91.4	91.4	91.5	91.8
≥ 700		59.5	64.9	71.0	80.8	81.3	85.0	88.3	89.6	91.7	91.9	92.0	92.2	92.2	92.4	92.7
≥ 600		59.5	64.9	71.0	81.2	81.6	85.6	88.8	90.2	92.4	92.9	93.0	93.3	93.3	93.4	93.8
≥ 500		59.5	64.9	71.0	81.7	82.1	86.4	90.1	91.5	94.1	94.6	94.7	95.2	95.2	95.3	95.6
≥ 400		59.5	64.9	71.0	81.7	82.1	86.5	90.2	91.6	94.6	95.6	95.7	96.2	96.3	96.4	96.8
≥ 300		59.5	64.9	71.1	81.7	82.1	86.5	90.2	91.8	94.8	95.9	96.0	96.6	96.7	96.8	97.2
≥ 200		59.6	65.0	71.2	81.8	82.2	86.7	90.3	91.9	94.9	96.0	96.1	96.9	97.0	97.1	97.6
≥ 100		59.6	65.1	71.2	81.9	82.3	86.9	90.5	92.1	95.2	96.2	96.3	97.1	97.2	97.3	99.2
≥ 0		59.6	65.1	71.2	81.9	82.3	86.9	90.5	92.1	95.2	96.2	96.3	97.2	97.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34346	HEIDELBERG AAF GL	69-79,74-81	JAN
STATION	STATION NAME	YEARS	MONTH

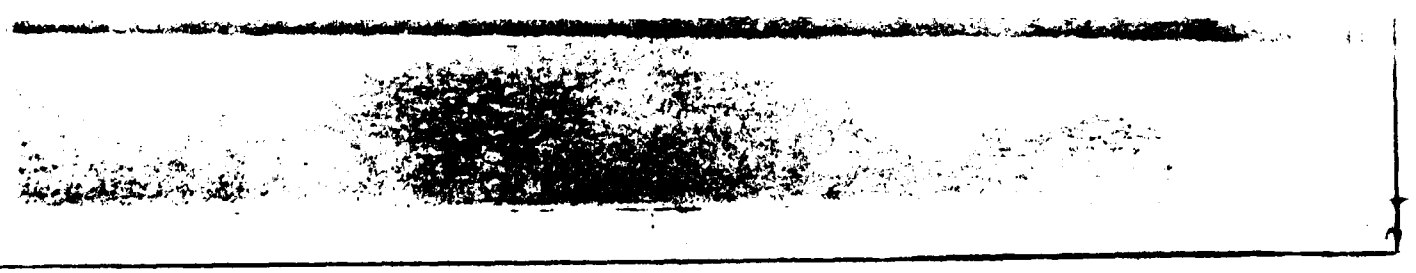
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1⅞	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		15.6	17.2	18.8	21.2	21.2	22.3	22.7	22.9	23.7	23.7	23.7	23.9	23.9	24.	24.4
≥ 20000		16.7	18.3	19.9	22.5	22.5	23.5	24.0	24.2	24.9	24.9	24.9	25.2	25.2	25.3	25.7
≥ 18000		17.4	19.3	20.6	23.2	23.2	24.3	24.7	24.9	25.7	25.7	25.7	25.9	25.9	26.0	26.5
≥ 16000		17.4	19.0	20.6	23.2	23.2	24.3	24.7	24.9	25.7	25.7	25.7	25.9	25.9	26.0	26.5
≥ 14000		17.6	19.2	20.9	23.4	23.4	24.5	24.9	25.2	25.9	25.9	25.9	26.1	26.1	26.2	26.7
≥ 12000		17.8	19.5	21.1	23.7	23.7	24.7	25.2	25.4	26.1	26.1	26.1	26.3	26.3	26.5	26.9
≥ 10000		18.9	21.5	22.3	24.8	24.8	25.9	26.3	26.6	27.3	27.3	27.3	27.5	27.5	27.6	28.1
≥ 9000		19.9	21.5	23.4	26.1	26.1	27.2	27.6	27.8	28.6	28.6	28.6	28.8	28.8	28.9	29.4
≥ 8000		25.4	27.2	29.6	32.4	32.4	33.4	33.9	34.2	35.1	35.1	35.1	35.3	35.3	35.4	35.8
≥ 7000		27.3	29.1	31.5	34.3	34.3	35.5	36.0	36.3	37.2	37.2	37.2	37.4	37.4	37.5	38.3
≥ 6000		28.7	31.6	33.8	35.9	35.9	37.1	37.6	38.0	38.8	38.8	38.8	39.0	39.0	39.1	39.6
≥ 5000		30.6	32.6	34.9	38.0	38.0	39.1	39.8	40.2	41.2	41.2	41.2	41.4	41.4	41.5	41.9
≥ 4500		34.7	37.3	40.0	43.5	43.7	45.1	45.7	46.2	47.3	47.3	47.3	47.5	47.5	47.6	48.1
≥ 4000		37.7	40.4	43.9	48.2	48.3	49.9	50.5	51.1	52.2	52.2	52.2	52.4	52.4	52.5	53.0
≥ 3500		41.3	44.3	47.7	52.7	52.8	54.4	55.1	55.6	56.7	56.7	56.7	56.9	56.9	57.0	57.5
≥ 3000		44.9	48.7	52.7	58.4	58.5	60.1	60.9	61.4	62.6	62.6	62.6	62.8	62.8	62.9	63.4
≥ 2500		48.0	52.6	57.4	63.9	64.0	65.9	66.8	67.3	68.5	68.5	68.5	68.7	68.7	68.8	69.4
≥ 2000		52.6	57.5	63.3	71.6	71.7	74.8	75.9	76.7	78.5	78.5	78.5	78.7	78.7	78.8	79.4
≥ 1800		53.8	59.5	64.9	73.3	73.4	77.0	78.1	78.8	80.6	80.6	80.6	80.9	80.9	81.0	81.5
≥ 1500		55.6	61.3	68.1	76.5	76.6	80.9	82.0	82.8	84.6	84.9	84.9	85.2	85.2	85.3	85.8
≥ 1200		55.9	61.6	68.6	77.2	77.3	81.9	83.1	83.9	85.7	86.1	86.1	86.3	86.3	86.5	87.0
≥ 1000		56.6	62.7	69.7	78.4	78.6	83.3	84.5	85.4	87.3	87.7	87.7	88.0	88.0	88.1	88.6
≥ 900		57.2	63.5	70.6	79.5	79.7	84.7	86.0	86.9	88.8	89.2	89.2	89.5	89.6	89.7	90.2
≥ 800		57.4	63.9	71.3	80.2	80.4	85.6	86.9	87.7	89.7	90.1	90.1	90.3	90.4	90.5	91.1
≥ 700		57.5	64.1	71.4	81.1	81.3	86.5	87.7	88.6	90.5	91.0	91.0	91.2	91.3	91.4	91.9
≥ 600		57.6	64.1	71.5	81.6	81.8	87.2	88.5	89.5	91.9	92.4	92.4	92.6	92.7	92.8	93.3
≥ 500		57.6	64.2	71.7	82.5	82.7	88.2	89.5	90.4	93.3	93.8	93.8	94.0	94.1	94.2	94.7
≥ 400		57.6	64.2	71.7	82.6	82.8	88.4	89.8	90.8	93.7	94.7	94.9	95.4	95.5	95.6	96.1
≥ 300		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.5	96.0	96.1	96.2	96.9
≥ 200		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.7	96.5	96.7	96.8	98.0
≥ 100		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.8	96.6	97.0	97.3	99.1
≥ 0		57.6	64.2	71.7	82.6	82.8	88.4	89.9	91.1	94.1	95.2	95.8	96.6	97.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 93

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

34[illegible]	HEIDELBERG AAF GL	69-70,74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		11.8	13.1	14.6	16.8	17.0	18.2	18.9	19.2	19.7	19.8	19.8	19.9	20.1	20.1	20.2
≥ 20000		12.7	14.1	15.9	18.2	18.4	19.7	20.4	20.8	21.2	21.3	21.3	21.4	21.6	21.6	21.7
≥ 18000		13.4	14.8	16.8	19.1	19.4	20.6	21.4	21.7	22.3	22.4	22.4	22.5	22.7	22.7	22.8
≥ 16000		13.4	14.8	16.8	19.1	19.4	20.6	21.4	21.7	22.3	22.4	22.4	22.5	22.7	22.7	22.8
≥ 14000		13.7	15.1	17.0	19.4	19.6	20.9	21.6	21.9	22.5	22.6	22.6	22.7	22.9	22.9	23.[illegible]
≥ 12000		13.9	15.3	17.2	19.6	19.8	21.1	21.8	22.2	22.7	22.8	22.8	22.9	23.1	23.1	23.2
≥ 10000		14.8	16.3	18.3	20.9	21.1	22.4	23.2	23.7	24.2	24.3	24.3	24.4	24.6	24.6	24.7
≥ 9000		15.9	17.7	19.7	22.5	22.7	24.0	24.8	25.4	25.9	26.0	26.0	26.1	26.3	26.3	26.5
≥ 8000		21.0	23.3	25.3	28.4	28.6	29.9	30.9	31.4	31.9	32.0	32.0	32.2	32.4	32.4	32.5
≥ 7000		22.3	24.6	26.7	29.8	30.0	31.3	32.3	32.8	33.3	33.4	33.4	33.5	33.8	33.8	33.9
≥ 6000		22.5	24.9	27.1	30.2	30.4	31.7	32.7	33.2	33.8	33.9	33.9	34.1	34.3	34.3	34.4
≥ 5000		25.2	27.7	30.2	33.5	33.8	35.1	36.0	36.6	37.1	37.2	37.2	37.4	37.6	37.6	37.7
≥ 4500		29.0	32.0	34.6	38.4	38.6	40.0	41.0	41.5	42.0	42.2	42.2	42.4	42.6	42.6	42.7
≥ 4000		30.9	34.3	37.3	42.0	42.3	43.8	44.7	45.3	45.8	45.9	45.9	46.1	46.3	46.3	46.5
≥ 3500		33.7	37.3	41.0	46.5	46.7	48.3	49.2	49.8	50.4	50.5	50.5	50.8	51.0	51.0	51.1
≥ 3000		37.	41.1	44.8	50.9	51.1	52.9	54.0	54.5	55.2	55.3	55.3	55.5	55.7	55.7	55.8
≥ 2500		42.4	46.8	51.2	58.9	59.1	61.4	62.5	63.0	63.8	63.9	63.9	64.1	64.3	64.3	64.4
≥ 2000		46.8	52.5	58.5	68.1	68.4	71.7	73.2	73.8	75.3	75.4	75.4	75.6	75.8	75.8	75.9
≥ 1800		48.3	53.8	59.8	69.4	69.7	73.3	74.8	75.4	76.9	77.0	77.0	77.2	77.4	77.4	77.5
≥ 1500		50.6	56.8	63.2	73.5	73.9	78.4	80.0	80.8	82.3	82.6	82.6	82.8	83.0	83.0	83.1
≥ 1200		51.5	58.2	64.7	75.4	75.8	80.4	82.2	83.0	84.6	84.9	84.9	85.2	85.4	85.4	85.5
≥ 1000		52.2	59.2	66.6	77.4	77.8	82.7	84.6	85.6	87.4	87.8	87.8	88.1	88.3	88.3	88.4
≥ 900		52.5	59.8	67.2	78.3	78.7	83.8	85.8	86.8	88.6	89.0	89.0	89.2	89.5	89.5	89.6
≥ 800		52.7	60.0	67.7	78.9	79.5	84.6	86.7	87.6	89.5	90.0	90.0	90.2	90.4	90.4	90.5
≥ 700		52.7	60.0	67.7	79.2	79.8	85.1	87.1	88.1	89.9	90.4	90.4	90.8	91.0	91.0	91.1
≥ 600		52.7	60.0	67.7	79.8	80.3	86.1	88.4	89.4	91.6	92.2	92.2	92.5	92.7	92.7	92.8
≥ 500		52.7	60.1	67.8	80.1	80.6	86.7	88.9	89.9	92.5	93.1	93.1	93.4	93.7	93.9	94.0
≥ 400		52.7	60.1	67.8	80.2	80.8	87.0	89.2	90.4	93.1	93.8	93.8	94.1	94.5	94.7	94.9
≥ 300		52.7	60.1	67.8	80.3	80.9	87.2	89.6	90.9	93.5	94.2	94.2	94.7	95.3	95.5	96.1
≥ 200		52.7	60.1	67.8	80.3	80.9	87.2	89.6	91.0	93.7	94.3	94.4	95.3	96.1	96.3	98.0
≥ 100		52.7	60.1	67.8	80.3	80.9	87.2	89.6	91.0	93.7	94.3	94.4	95.3	96.2	96.5	99.[illegible]
≥ 0		52.7	60.1	67.8	80.3	80.9	87.2	89.6	91.0	93.7	94.3	94.4	95.3	96.2	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

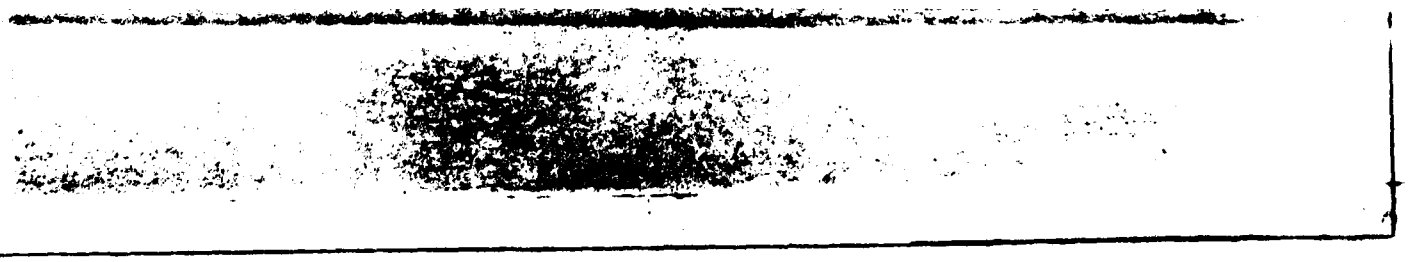
34 46	HEIDELBERG AAF DL	69-72,74-81	JAN	0900-1100
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		9.2	11.0	11.6	14.3	14.7	17.1	18.0	18.6	19.5	19.8	19.9	19.9	20.1	20.1	20.1
≥ 20000		11.8	13.5	14.6	17.7	18.2	20.8	21.6	22.3	23.2	23.5	23.7	23.7	23.9	23.9	23.9
≥ 18000		11.8	13.5	14.6	17.8	18.3	20.9	21.7	22.5	23.5	23.9	24.0	24.0	24.2	24.2	24.2
≥ 16000		11.9	13.7	14.7	18.0	18.4	21.0	21.8	22.6	23.7	24.1	24.1	24.1	24.3	24.3	24.3
≥ 14000		12.4	14.1	15.2	18.4	18.8	21.4	22.3	23.1	24.2	24.5	24.6	24.6	24.8	24.8	24.8
≥ 12000		13.0	14.8	15.9	19.1	19.6	22.2	23.0	23.8	25.1	25.4	25.5	25.5	25.7	25.7	25.7
≥ 10000		14.2	16.1	17.3	20.9	21.5	24.2	25.2	25.9	27.2	27.5	27.6	27.6	27.8	27.8	27.8
≥ 9000		15.6	17.6	19.1	23.2	23.9	26.6	27.7	28.5	29.8	30.1	30.2	30.2	30.4	30.4	30.4
≥ 8000		18.5	21.2	22.7	27.2	27.8	30.6	32.0	32.8	34.2	34.5	34.6	34.6	34.8	34.8	34.8
≥ 7000		19.8	22.5	24.0	28.7	29.4	32.2	33.5	34.3	35.7	36.0	36.1	36.1	36.3	36.3	36.3
≥ 6000		20.3	23.2	24.8	29.7	30.3	33.1	34.5	35.3	36.7	37.0	37.1	37.1	37.3	37.4	37.4
≥ 5000		21.2	24.3	25.9	31.2	31.8	34.6	36.1	36.9	38.3	38.7	38.8	38.8	39.0	39.2	39.2
≥ 4500		26.6	30.4	32.2	38.2	38.8	41.7	43.3	44.1	45.5	45.9	46.0	46.0	46.2	46.5	46.5
≥ 4000		29.0	33.3	35.6	41.8	42.5	45.5	47.1	48.0	49.4	49.8	49.9	49.9	50.1	50.3	50.3
≥ 3500		31.5	36.2	38.5	45.2	45.9	48.9	50.6	51.5	53.1	53.5	53.7	53.7	53.9	54.1	54.1
≥ 3000		33.7	38.5	41.3	48.8	49.6	53.0	55.1	55.9	57.6	58.1	58.3	58.3	58.6	58.8	58.8
≥ 2500		36.9	42.1	45.4	54.8	55.7	59.6	61.9	62.8	64.5	65.1	65.3	65.3	65.6	65.8	65.8
≥ 2000		40.2	46.3	50.8	63.5	64.7	69.6	73.1	74.0	76.0	76.6	76.8	76.8	77.1	77.3	77.3
≥ 1800		41.4	47.7	52.4	65.6	66.8	71.7	75.4	76.2	78.3	78.8	79.0	79.0	79.4	79.6	79.6
≥ 1500		42.4	49.2	54.6	69.0	70.2	76.2	80.1	81.1	83.2	83.8	84.0	84.0	84.3	84.5	84.5
≥ 1200		43.3	50.5	56.2	71.2	72.6	78.7	82.6	83.5	85.8	86.3	86.6	86.6	86.9	87.1	87.1
≥ 1000		44.3	51.6	57.5	72.8	74.2	80.5	84.4	85.8	88.8	89.5	89.7	89.8	90.1	90.3	90.3
≥ 900		44.4	51.7	57.6	72.9	74.3	80.8	84.6	86.0	89.0	89.7	89.9	90.0	90.3	90.5	90.5
≥ 800		44.5	51.8	57.7	73.2	74.6	81.2	85.2	86.6	89.7	90.3	90.5	90.6	91.0	91.2	91.2
≥ 700		44.5	51.8	57.7	73.7	75.1	82.0	86.1	87.5	90.9	91.5	91.8	91.9	92.4	92.6	92.6
≥ 600		44.5	51.8	57.7	74.0	75.4	82.6	86.8	88.2	91.7	92.7	93.0	93.3	93.8	94.0	94.0
≥ 500		44.5	51.8	57.7	74.3	75.7	82.9	87.2	88.6	92.4	93.3	93.9	94.2	94.8	95.1	95.1
≥ 400		44.5	51.8	57.7	74.3	75.7	82.9	87.4	88.8	92.6	93.7	94.4	94.8	95.6	95.8	95.8
≥ 300		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.0	94.8	95.4	96.2	96.6	96.7
≥ 200		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.3	94.9	95.7	96.7	97.4	98.1
≥ 100		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.0	94.9	95.7	96.7	97.7	99.4
≥ 0		44.5	51.8	57.7	74.3	75.7	82.9	87.5	88.9	92.8	94.0	94.9	95.7	96.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 931

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 4[illegible]	HEIDELBERG AAF DL	69-70,74-81	JAN
STATION	STATION NAME	YEARS	MONTH

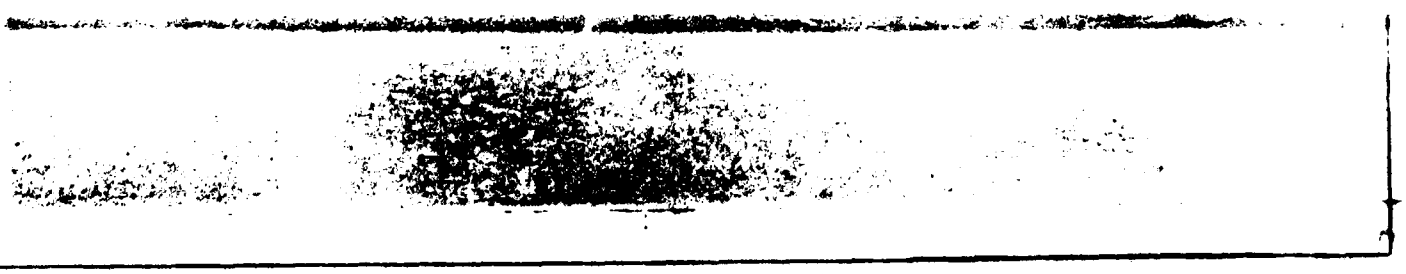
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		12.6	13.2	13.6	15.8	16.5	17.7	18.6	18.7	19.5	19.7	19.8	20.0	20.0	20.0	20.0
≥ 20000		16.0	16.9	17.7	20.0	20.8	22.5	23.3	23.7	24.4	24.6	24.7	24.9	24.9	24.9	24.9
≥ 18000		16.[illegible]	16.9	17.7	20.0	20.8	22.5	23.3	23.7	24.4	24.6	24.7	24.9	24.9	24.9	24.9
≥ 16000		16.[illegible]	16.9	17.7	20.0	20.8	22.5	23.3	23.7	24.4	24.6	24.7	24.9	24.9	24.9	24.9
≥ 14000		16.[illegible]	17.1	18.[illegible]	20.2	21.0	22.7	23.5	23.9	24.7	24.9	25.1	25.3	25.3	25.3	25.3
≥ 12000		16.7	17.5	18.5	21.0	21.7	23.5	24.4	24.7	25.6	25.8	25.9	26.1	26.1	26.1	26.1
≥ 10000		18.9	2[illegible].0	21.2	23.8	24.7	26.7	27.5	27.8	28.9	29.1	29.2	29.5	29.5	29.5	29.5
≥ 9000		2[illegible].1	21.3	22.8	25.7	27.0	28.9	29.8	30.1	31.2	31.4	31.5	31.7	31.7	31.8	32.0
≥ 8000		23.5	24.8	26.7	3[illegible].2	31.5	33.4	34.6	35.2	36.7	36.9	37.0	37.4	37.4	37.5	37.7
≥ 7000		24.1	25.8	27.6	31.5	32.9	34.8	36.0	36.6	38.1	38.3	38.4	38.8	38.8	38.9	39.1
≥ 6000		24.3	26.0	27.8	31.7	33.1	35.2	36.3	36.9	38.6	38.8	38.9	39.4	39.4	39.5	39.7
≥ 5000		26.7	28.5	3[illegible].6	34.5	35.9	38.3	39.7	40.2	41.9	42.2	42.3	42.7	42.7	42.8	43.0
≥ 4500		31.1	33.3	35.6	39.7	41.1	43.5	44.9	45.5	47.2	47.4	47.5	48.0	48.0	48.1	48.3
≥ 4000		35.2	38.1	4[illegible].4	44.7	46.2	48.8	50.2	50.8	52.5	52.7	52.8	53.2	53.2	53.3	53.5
≥ 3500		38.4	41.5	44.2	49.4	50.9	53.8	55.2	55.7	57.5	57.7	57.8	58.3	58.3	58.4	58.6
≥ 3000		42.9	46.2	49.2	55.8	57.4	60.4	62.2	62.7	64.5	64.7	64.8	65.3	65.3	65.4	65.6
≥ 2500		46.8	49.6	52.9	60.6	62.3	65.4	67.2	67.7	69.8	70.0	70.1	70.5	70.6	70.8	71.[illegible]
≥ 2000		50.1	54.4	59.4	68.6	70.3	74.1	76.6	77.2	79.7	80.0	80.1	80.5	80.6	80.8	81.[illegible]
≥ 1800		51.5	55.9	61.0	70.4	72.2	76.0	78.5	79.1	81.7	82.[illegible]	82.2	82.6	82.7	82.8	83.[illegible]
≥ 1500		52.7	57.8	63.2	73.8	75.5	79.9	82.4	83.0	85.7	86.0	86.1	86.6	86.7	86.8	87.[illegible]
≥ 1200		54.1	59.5	64.9	75.8	77.5	82.4	84.8	85.5	88.3	88.6	88.7	89.1	89.2	89.4	89.6
≥ 1000		54.9	60.4	66.2	77.1	78.8	84.1	87.0	87.6	90.4	90.8	90.9	91.3	91.5	91.6	91.8
≥ 900		54.9	60.4	66.2	77.3	79.0	84.3	87.2	87.8	90.8	91.1	91.2	91.6	91.8	91.9	92.2
≥ 800		54.9	60.4	66.5	77.6	79.6	85.1	88.0	88.6	91.7	92.2	92.3	92.7	92.9	93.0	93.2
≥ 700		55.2	60.6	66.7	78.1	80.0	85.7	88.9	89.6	92.9	93.8	93.9	94.4	94.6	94.7	94.9
≥ 600		55.2	60.6	66.7	78.5	80.4	86.2	89.7	90.3	93.8	94.8	94.9	95.5	95.7	95.8	96.[illegible]
≥ 500		55.2	60.6	66.7	78.5	80.4	86.2	89.7	90.4	94.0	95.3	95.4	95.9	96.2	96.3	96.6
≥ 400		55.2	60.6	66.7	78.5	80.4	86.2	89.8	90.5	94.4	95.8	95.9	96.5	97.0	97.4	97.6
≥ 300		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	96.9	97.6	98.1	98.3
≥ 200		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	97.0	98.0	98.4	98.7
≥ 100		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	97.0	98.0	98.4	99.7
≥ 0		55.2	60.6	66.7	78.5	80.4	86.2	90.0	90.8	94.6	96.1	96.2	97.0	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

34 46 — STATION | HEIDELBERG AAF DL — STATION NAME | 69-70,74-81 — YEARS | JAN — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		14.9	16.6	17.1	19.8	20.0	21.1	21.3	21.7	22.5	22.5	22.5	22.6	22.7	22.7	22.8
≥ 20000		17.7	20.2	21.1	24.2	24.4	25.6	25.9	26.3	27.2	27.2	27.4	27.5	27.6	27.6	27.7
≥ 18000		17.7	20.2	21.1	24.2	24.4	25.6	25.9	26.3	27.2	27.2	27.4	27.5	27.6	27.6	27.7
≥ 16000		17.8	2 .3	21.2	24.3	24.5	25.7	26.0	26.5	27.3	27.3	27.5	27.6	27.7	27.7	27.8
≥ 14000		18.3	20.8	21.6	24.7	24.9	26.1	26.5	26.9	27.7	27.7	28.0	28.1	28.2	28.2	28.3
≥ 12000		18.9	21.5	22.4	25.5	25.7	26.9	27.2	27.7	28.6	28.6	28.8	28.9	29.0	29.0	29.1
≥ 10000		21.5	24.5	25.6	29.4	29.7	30.9	31.2	31.7	32.7	32.7	32.9	33.0	33.1	33.1	33.2
≥ 9000		22.4	25.8	27.3	31.1	31.5	32.8	33.1	33.7	34.6	34.6	34.8	34.9	35.1	35.1	35.3
≥ 8000		26.0	29.6	31.3	35.3	35.9	37.5	38.1	38.8	39.9	40.0	40.2	40.5	40.6	40.6	41.0
≥ 7000		28.5	32.3	34.0	38.0	38.6	40.2	40.8	41.5	42.6	42.7	42.9	43.2	43.3	43.3	43.7
≥ 6000		28.9	32.8	34.5	38.5	39.1	41.0	41.5	42.3	43.3	43.4	43.7	44.0	44.1	44.1	44.4
≥ 5000		31.1	35.2	37.2	41.2	41.8	43.8	44.4	45.2	46.2	46.3	46.6	46.9	47.0	47.0	47.3
≥ 4500		34.9	39.5	41.7	45.9	46.6	48.7	49.4	50.1	51.2	51.3	51.5	51.8	51.9	51.9	52.3
≥ 4000		38.8	43.7	46.1	50.5	51.2	53.3	54.1	54.8	55.9	56.0	56.3	56.8	56.9	56.9	57.2
≥ 3500		43.0	48.1	51.0	55.9	56.6	58.8	59.6	60.3	61.4	61.5	61.8	62.3	62.4	62.4	62.8
≥ 3000		48.4	53.8	57.1	62.9	63.5	65.9	66.8	67.5	68.7	68.8	69.1	69.6	69.7	69.8	70.2
≥ 2500		50.8	56.2	59.8	67.1	67.8	70.2	71.2	71.9	73.5	73.7	74.3	74.7	74.8	74.9	75.4
≥ 2000		54.5	60.6	65.6	74.3	75.1	78.0	79.0	80.0	81.7	81.8	82.5	82.9	83.1	83.2	83.7
≥ 1800		54.6	60.9	66.0	74.9	75.7	78.9	80.0	81.0	82.8	83.1	83.8	84.2	84.4	84.5	84.9
≥ 1500		55.8	62.6	68.1	77.5	78.3	81.9	83.4	84.4	86.2	86.6	87.2	87.7	88.0	88.1	88.5
≥ 1200		56.8	64.1	70.0	80.3	81.1	84.7	86.3	87.3	89.1	89.5	90.2	90.8	91.0	91.1	91.5
≥ 1000		57.1	64.6	70.8	81.5	82.3	86.2	88.1	89.	91.0	91.3	92.0	92.6	92.8	92.9	93.3
≥ 900		57.1	64.6	70.8	81.6	82.4	86.3	88.2	89.1	91.1	91.5	92.3	92.8	93.0	93.1	93.5
≥ 800		57.2	64.7	70.9	81.7	82.5	86.7	88.6	89.6	91.6	92.2	92.9	93.4	93.8	93.9	94.3
≥ 700		57.2	64.7	70.9	82.0	82.8	87.2	89.5	90.4	92.7	93.3	94.1	94.6	94.9	95.1	95.5
≥ 600		57.2	64.7	70.9	82.0	82.8	87.2	89.6	90.5	93.0	93.8	94.5	95.1	95.4	95.5	95.9
≥ 500		57.2	64.7	70.9	82.2	82.9	87.3	89.7	90.9	93.7	94.4	95.3	95.9	96.5	96.6	97.0
≥ 400		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.7	97.2	97.3	97.7
≥ 300		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.1	98.5
≥ 200		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.2	98.6
≥ 100		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.2	99.5
≥ 0		57.2	64.7	70.9	82.2	82.9	87.3	89.7	91.0	94.2	94.9	95.9	96.8	98.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF GE	69-70, 74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		16.2	17.5	18.3	21.5	21.6	23.0	23.3	23.8	24.1	24.1	24.1	24.2	24.2	24.2	24.2
≥ 20000		19.5	21.4	22.6	25.9	26.0	27.4	27.7	28.2	28.5	28.5	28.5	28.8	28.8	28.8	28.8
≥ 18000		19.6	21.5	22.7	26.0	26.1	27.5	27.8	28.3	28.6	28.6	28.6	28.9	28.9	28.9	28.9
≥ 16000		19.6	21.5	22.7	26.0	26.1	27.5	27.8	28.3	28.6	28.6	28.6	28.9	28.9	28.9	28.9
≥ 14000		19.7	21.6	22.8	26.1	26.2	27.6	28.0	28.4	28.7	28.7	28.7	29.0	29.0	29.0	29.0
≥ 12000		20.3	22.3	23.4	26.8	26.9	28.3	28.6	29.0	29.4	29.4	29.4	29.7	29.7	29.7	29.7
≥ 10000		21.8	24.0	25.3	28.6	28.7	30.1	30.4	30.9	31.2	31.2	31.2	31.5	31.5	31.5	31.5
≥ 9000		23.1	25.6	27.1	30.4	30.5	31.9	32.3	32.7	33.0	33.0	33.0	33.3	33.3	33.3	33.3
≥ 8000		28.4	31.6	33.9	37.3	37.6	39.2	39.9	40.4	40.8	40.8	40.8	41.2	41.3	41.4	41.4
≥ 7000		29.6	32.9	35.2	38.7	39.0	40.6	41.3	41.8	42.2	42.2	42.2	42.6	42.7	42.8	42.8
≥ 6000		31.3	33.8	36.1	39.8	40.1	41.8	42.5	43.0	43.3	43.4	43.5	44.0	44.1	44.2	44.2
≥ 5000		32.9	36.9	39.2	42.9	43.2	44.9	45.6	46.1	46.5	46.6	46.7	47.1	47.2	47.3	47.3
≥ 4500		37.1	41.3	44.2	48.0	48.3	50.1	50.9	51.4	51.8	51.9	52.0	52.5	52.6	52.7	52.7
≥ 4000		41.4	46.1	49.4	53.7	54.0	55.8	56.7	57.2	57.6	57.7	57.8	58.3	58.4	58.5	58.5
≥ 3500		44.1	48.8	52.6	57.2	57.5	59.4	60.2	60.8	61.2	61.3	61.4	61.8	61.9	62.0	62.0
≥ 3000		48.5	53.3	57.8	63.5	64.0	65.9	67.4	68.0	68.5	68.6	68.7	69.1	69.2	69.4	69.4
≥ 2500		51.8	56.9	61.9	68.5	68.9	70.9	72.7	73.2	74.0	74.1	74.2	74.6	74.7	74.8	74.9
≥ 2000		55.9	61.2	68.1	75.9	76.3	79.1	81.4	82.3	83.0	83.2	83.4	83.9	84.1	84.2	84.2
≥ 1800		56.5	61.7	68.8	77.0	77.4	80.3	82.6	83.4	84.3	84.5	84.7	85.2	85.4	85.5	85.5
≥ 1500		57.2	63.1	70.3	79.7	80.1	83.2	85.7	86.6	87.6	87.8	88.1	88.5	88.7	88.8	88.8
≥ 1200		58.0	64.3	71.9	81.8	82.4	85.9	88.5	89.4	90.6	90.9	91.1	91.5	91.7	91.8	91.8
≥ 1000		58.2	64.6	72.5	82.5	83.0	86.9	89.6	90.4	91.7	92.0	92.3	92.7	92.9	93.0	93.0
≥ 900		58.3	64.7	72.6	82.6	83.1	87.0	89.7	90.5	91.8	92.2	92.4	92.8	93.0	93.1	93.1
≥ 800		58.4	64.8	72.7	83.1	83.7	87.5	90.3	91.2	92.5	92.8	93.0	93.4	93.7	93.8	93.8
≥ 700		58.4	64.8	72.7	83.2	83.8	88.0	90.8	91.6	92.9	93.2	93.4	94.0	94.2	94.3	94.3
≥ 600		58.4	64.8	72.7	83.3	83.9	88.6	91.4	92.3	93.5	93.9	94.1	94.6	94.8	94.9	94.9
≥ 500		58.4	64.8	72.7	83.7	84.2	89.1	91.9	92.8	94.2	94.8	95.1	95.6	95.8	95.9	95.9
≥ 400		58.5	64.9	72.8	83.8	84.3	89.2	92.0	92.9	94.5	95.4	95.6	96.2	96.5	96.6	96.6
≥ 300		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.5	96.8	97.6	97.8	98.0	98.1
≥ 200		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.7	97.0	97.8	98.1	98.3	98.4
≥ 100		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.7	97.0	97.8	98.1	98.6	99.6
≥ 0		58.5	64.9	72.8	84.1	84.6	89.6	92.4	93.2	95.3	96.7	97.0	97.8	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4x	HEIDELBERG AAF DL	69-70,74-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		17.1	19.[illegible]	19.9	22.3	22.5	24.0	24.4	24.4	24.6	24.8	24.9	25.3	25.3	25.3	25.6
≥ 20000		18.9	21.2	21.9	24.3	24.5	26.0	26.5	26.5	26.9	26.9	27.0	27.3	27.3	27.3	27.6
≥ 18000		18.9	21.2	21.9	24.3	24.5	26.0	26.5	26.5	26.9	26.9	27.0	27.3	27.3	27.3	27.6
≥ 16000		18.9	21.2	21.9	24.3	24.5	26.0	26.5	26.5	26.9	26.9	27.0	27.3	27.3	27.3	27.6
≥ 14000		19.[illegible]	21.3	22.[illegible]	24.4	24.6	26.1	26.6	26.6	27.0	27.0	27.1	27.4	27.4	27.4	27.6
≥ 12000		19.1	21.4	22.2	24.5	24.7	26.2	26.7	26.7	27.1	27.1	27.2	27.5	27.5	27.5	27.7
≥ 10000		20.5	22.9	23.8	26.1	26.3	27.8	28.3	28.3	28.7	28.7	28.8	29.1	29.1	29.1	29.4
≥ 9000		21.7	24.3	25.6	28.0	28.2	29.7	30.2	30.2	30.6	30.6	30.8	31.1	31.1	31.1	31.3
≥ 8000		27.0	30.2	31.9	34.4	34.8	36.3	37.0	37.3	38.0	38.0	38.1	38.4	38.4	38.4	38.6
≥ 7000		28.6	31.9	33.9	36.5	36.9	38.4	39.0	39.4	40.0	40.0	40.1	40.4	40.4	40.4	40.6
≥ 6000		29.0	32.6	34.7	37.3	37.7	39.2	39.9	40.2	40.9	41.0	41.1	41.4	41.4	41.4	41.6
≥ 5000		31.4	35.2	37.7	40.5	41.0	42.5	43.1	43.4	44.2	44.4	44.5	44.8	44.8	44.8	45.1
≥ 4500		34.9	39.1	42.0	45.4	45.8	47.3	48.1	48.4	49.1	49.4	49.5	49.8	49.8	49.8	50.1
≥ 4000		39.[illegible]	43.7	46.6	51.6	52.0	53.5	54.5	54.8	55.6	55.8	55.9	56.2	56.2	56.2	56.5
≥ 3500		42.2	46.9	50.2	55.1	55.5	57.0	58.0	58.3	59.0	59.4	59.5	59.8	59.9	59.9	60.1
≥ 3000		47.1	52.3	55.7	61.8	61.3	62.9	64.4	64.7	65.5	65.8	65.9	66.2	66.3	66.3	66.6
≥ 2500		51.[illegible]	56.1	60.5	66.5	67.0	68.9	70.8	71.1	71.8	72.2	72.3	72.6	72.7	72.7	72.9
≥ 2000		55.0	62.7	68.3	74.9	75.5	78.0	80.4	81.0	81.8	82.2	82.3	82.6	82.7	82.7	82.9
≥ 1800		56.1	62.8	68.5	75.7	76.2	79.1	81.7	82.3	83.1	83.4	83.5	83.9	84.0	84.0	84.2
≥ 1500		57.1	64.4	70.6	78.9	79.5	82.6	85.6	86.1	87.3	87.6	87.7	88.1	88.2	88.2	88.4
≥ 1200		57.7	65.2	71.6	80.1	80.6	84.1	87.3	87.8	89.1	89.5	89.6	90.0	90.1	90.1	90.3
≥ 1000		58.4	66.0	72.6	81.3	82.0	85.6	89.0	89.6	91.0	91.3	91.4	91.8	91.9	91.9	92.2
≥ 900		58.4	66.0	72.6	81.6	82.4	85.9	89.4	89.9	91.5	91.8	91.9	92.4	92.5	92.5	92.7
≥ 800		58.7	66.3	72.9	82.2	82.9	86.6	90.0	90.5	92.3	92.6	92.7	93.1	93.2	93.2	93.4
≥ 700		58.9	66.6	73.1	82.4	83.1	87.2	90.6	91.2	92.9	93.2	93.3	93.9	94.0	94.0	94.2
≥ 600		58.9	66.6	73.1	82.7	83.5	87.7	91.2	91.7	93.7	94.1	94.1	94.6	94.7	94.7	94.9
≥ 500		58.9	66.6	73.1	83.0	84.0	88.3	91.7	92.3	94.5	94.9	95.1	95.6	95.7	95.7	95.9
≥ 400		58.9	66.6	73.1	83.0	84.0	88.3	91.8	92.4	94.7	95.5	95.6	96.3	96.5	96.5	96.7
≥ 300		58.9	66.6	73.1	83.2	84.2	88.5	92.2	92.7	95.3	96.2	96.3	97.2	97.3	97.3	98.1
≥ 200		58.9	66.6	73.1	83.2	84.2	88.5	92.3	92.8	95.4	96.6	96.7	97.5	97.6	97.6	98.6
≥ 100		58.9	66.6	73.1	83.2	84.2	88.5	92.3	92.8	95.4	96.6	96.7	97.5	97.8	97.8	99.9
≥ 0		58.9	66.6	73.1	83.2	84.2	88.5	92.3	92.8	95.4	96.6	96.7	97.5	97.8	97.8	100.

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

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

CEILING VERSUS VISIBILITY

3- 46 | HEIDELBERG AAF GE | 69-70,74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		14.4	15.8	16.8	19.2	19.5	20.8	21.5	21.8	22.3	22.4	22.5	22.6	22.7	22.7	22.9
≥ 20000		18.6	18.2	19.5	22.1	22.3	23.8	24.5	24.8	25.4	25.5	25.6	25.7	25.8	25.8	26.3
≥ 18000		16.8	18.5	19.8	22.4	22.6	24.1	24.8	25.1	25.7	25.9	25.9	26.1	26.2	26.2	26.3
≥ 16000		16.8	18.5	19.8	22.4	22.7	24.2	24.8	25.1	25.8	25.9	25.9	26.1	26.2	26.2	26.4
≥ 14000		17.1	18.8	20.0	22.7	22.9	24.4	25.0	25.4	26.0	26.1	26.2	26.4	26.5	26.5	26.6
≥ 12000		17.5	19.2	20.5	23.2	23.4	24.9	25.5	25.9	26.6	26.7	26.8	26.9	27.[illegible]	27.[illegible]	27.2
≥ 10000		19.1	20.9	22.4	25.2	25.5	27.0	27.7	28.[illegible]	28.8	28.9	28.9	29.1	29.2	29.2	29.3
≥ 9000		2[illegible].2	22.3	23.9	26.9	27.3	28.8	29.5	29.9	30.6	30.7	30.8	31.0	31.1	31.1	31.3
≥ 8000		24.8	27.2	29.2	32.4	32.9	34.5	35.4	35.9	36.8	36.9	37.0	37.2	37.3	37.4	37.6
≥ 7000		26.2	28.7	30.8	34.1	34.6	36.3	37.1	37.7	38.6	38.7	38.7	39.0	39.1	39.1	39.3
≥ 6000		26.9	29.5	31.6	35.1	35.5	37.2	38.1	38.6	39.5	39.7	39.8	40.0	40.1	40.2	40.4
≥ 5000		29.[illegible]	31.8	34.1	37.7	38.1	39.9	40.9	41.4	42.4	42.5	42.6	42.9	42.9	43.0	43.2
≥ 4500		33.2	36.5	39.[illegible]	43.[illegible]	43.5	45.4	46.4	47.[illegible]	48.0	48.[illegible]	48.2	48.5	48.6	48.6	48.9
≥ 4000		36.5	40.2	43.1	47.8	48.3	50.2	51.3	51.9	52.9	53.1	53.2	53.4	53.5	53.6	53.8
≥ 3500		37.6	43.5	46.7	51.9	52.4	54.4	55.5	56.1	57.2	57.3	57.4	57.7	57.8	57.9	58.1
≥ 3000		43.6	47.9	51.5	57.4	58.0	60.1	61.5	62.1	63.2	63.4	63.5	63.8	63.9	64.0	64.2
≥ 2500		47.0	51.7	55.9	63.0	63.6	66.0	67.6	68.2	69.4	69.6	69.7	7[illegible].0	70.1	70.2	70.5
≥ 2000		51.4	56.9	62.4	71.3	71.9	75.1	77.2	78.0	79.5	79.7	79.9	80.2	80.3	80.4	80.6
≥ 1800		52.2	57.8	63.4	72.5	73.2	76.6	78.8	79.6	81.2	81.4	81.6	81.9	82.0	82.1	82.3
≥ 1500		53.6	59.7	65.8	75.8	76.4	80.4	82.8	83.6	85.3	85.6	85.8	86.1	86.2	86.3	86.6
≥ 1200		54.4	60.8	67.1	77.5	78.2	82.5	84.9	85.8	87.5	87.9	88.1	88.4	88.5	88.6	88.8
≥ 1000		55.0	61.6	68.2	78.7	79.5	84.0	86.6	87.5	89.5	89.9	90.1	90.4	90.6	90.7	90.9
≥ 900		55.2	61.9	68.5	79.2	80.0	84.5	87.2	88.1	90.2	90.6	90.8	91.1	91.2	91.3	91.6
≥ 800		55.4	62.1	68.7	79.6	80.5	85.2	87.9	88.8	91.0	91.4	91.6	91.9	92.1	92.2	92.4
≥ 700		55.5	62.2	68.9	80.1	80.9	85.8	88.6	89.6	91.8	92.3	92.5	92.9	93.1	93.2	93.4
≥ 600		55.5	62.2	68.9	80.4	81.2	86.4	89.3	90.3	92.7	93.3	93.5	93.9	94.1	94.2	94.5
≥ 500		55.5	62.2	69.0	80.7	81.6	86.9	89.8	90.8	93.6	94.3	94.5	95.0	95.2	95.4	95.6
≥ 400		55.5	62.2	69.0	80.8	81.6	87.0	90.0	91.0	94.0	94.9	95.2	95.8	96.1	96.3	96.5
≥ 300		55.5	62.2	69.0	80.9	81.7	87.1	90.2	91.3	94.3	95.4	95.7	96.4	96.9	97.1	97.5
≥ 200		55.5	62.3	69.0	80.9	81.7	87.1	90.2	91.3	94.4	95.5	95.9	96.7	97.3	97.5	98.2
≥ 100		55.5	62.3	69.0	80.9	81.7	87.1	90.2	91.4	94.4	95.5	95.9	96.7	97.4	97.7	99.4
≥ 0		55.5	62.3	69.0	80.9	81.7	87.1	90.2	91.4	94.4	95.5	95.9	96.7	97.4	97.[illegible]	[illegible].[illegible]

TOTAL NUMBER OF OBSERVATIONS 7439

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

34 4[illegible] HEIDELBERG AAF GL 69-79,74-81 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		22.1	23.2	25.8	29.8	30.3	31.2	31.3	31.4	31.7	31.7	32.2	32.2	32.4	32.4	32.6
≥ 20000		24.5	25.7	29.3	33.6	34.0	35.0	35.1	35.2	35.5	35.5	35.9	35.9	36.3	36.3	36.5
≥ 18000		24.5	25.7	29.3	33.6	34.0	35.0	35.1	35.2	35.5	35.5	35.9	35.9	36.3	36.3	36.5
≥ 16000		24.5	25.7	29.3	33.6	34.0	35.0	35.1	35.2	35.5	35.5	35.9	35.9	36.3	36.3	36.5
≥ 14000		24.5	25.7	29.3	33.7	34.2	35.1	35.2	35.3	35.6	35.6	36.1	36.1	36.4	36.4	36.6
≥ 12000		24.9	26.1	29.8	34.6	35.1	36.1	36.2	36.3	36.5	36.5	37.0	37.0	37.4	37.4	37.6
≥ 10000		26.6	27.8	31.6	36.8	37.2	38.5	38.7	38.8	39.0	39.0	39.5	39.5	39.8	39.8	40.1
≥ 9000		28.0	29.3	33.1	38.4	38.9	40.3	40.4	40.5	40.8	40.8	41.3	41.3	41.6	41.6	41.8
≥ 8000		32.7	34.2	38.2	44.1	44.6	46.2	46.3	46.5	46.7	46.7	47.2	47.2	47.5	47.5	47.8
≥ 7000		34.8	36.3	40.3	46.2	46.7	48.6	48.7	48.8	49.2	49.2	49.6	49.6	50.0	50.0	50.2
≥ 6000		35.7	37.2	41.3	47.5	48.0	50.0	50.1	50.2	50.6	50.6	51.1	51.1	51.4	51.4	51.7
≥ 5000		38.7	40.8	44.9	51.4	51.9	54.0	54.1	54.3	54.6	54.6	55.1	55.1	55.4	55.4	55.7
≥ 4500		43.6	45.9	50.5	57.6	58.0	60.2	60.3	60.4	60.8	60.8	61.2	61.2	61.6	61.6	61.8
≥ 4000		47.5	50.1	55.2	62.6	63.1	65.5	65.6	65.7	66.1	66.1	66.5	66.5	66.9	66.9	67.1
≥ 3500		50.5	53.3	59.0	66.8	67.3	69.7	69.9	70.1	70.4	70.4	70.9	70.9	71.3	71.3	71.5
≥ 3000		52.7	56.3	61.8	70.0	70.4	73.3	73.6	74.2	74.6	74.6	75.1	75.1	75.4	75.4	75.7
≥ 2500		55.3	58.7	64.7	72.9	73.5	76.7	77.2	77.8	78.3	78.3	78.7	78.7	79.1	79.1	79.3
≥ 2000		58.0	61.9	68.3	78.3	78.8	82.6	83.3	83.9	84.4	84.4	84.9	84.9	85.2	85.2	85.5
≥ 1800		58.4	62.4	68.8	79.4	80.0	84.5	85.2	85.8	86.3	86.4	86.9	86.9	87.2	87.2	87.5
≥ 1500		59.2	63.4	70.0	81.7	82.4	87.6	88.8	89.5	90.0	90.1	90.5	90.5	90.9	90.9	91.1
≥ 1200		59.7	64.1	70.7	82.7	83.5	88.7	90.2	90.9	91.4	91.5	92.0	92.0	92.3	92.3	92.6
≥ 1000		59.9	64.3	70.9	83.2	83.9	89.2	90.9	91.6	92.1	92.2	92.7	92.7	93.0	93.0	93.3
≥ 900		59.9	64.3	71.0	83.3	84.0	89.6	91.3	92.0	92.4	92.6	93.0	93.0	93.4	93.4	93.6
≥ 800		60.2	64.7	71.5	84.3	85.0	90.7	92.3	93.0	93.6	93.7	94.2	94.2	94.6	94.6	94.8
≥ 700		60.2	64.7	71.7	84.5	85.2	91.0	92.8	93.5	94.4	94.6	95.0	95.0	95.4	95.4	95.6
≥ 600		60.2	64.7	71.7	85.3	86.1	91.8	93.9	94.6	95.7	95.9	96.3	96.3	96.7	96.7	96.9
≥ 500		60.2	64.7	71.7	85.7	86.4	92.4	94.4	95.2	96.6	96.8	97.3	97.3	97.6	97.6	97.9
≥ 400		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.3	96.8	97.2	97.6	97.6	98.[illegible]	98.0	98.3
≥ 300		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.6	97.2	97.5	98.1	98.1	98.5	98.5	99.1
≥ 200		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.7	97.3	97.6	98.2	98.2	98.7	98.7	99.4
≥ 100		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.7	97.3	97.6	98.2	98.2	98.7	98.7	99.8
≥ 0		60.2	64.7	71.7	85.8	86.5	92.6	94.6	95.7	97.3	97.6	98.2	98.2	98.7	98.7	100.

TOTAL NUMBER OF OBSERVATIONS 84[illegible]

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

30 45	HEIDELBERG AAF DL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-1500
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		22.5	22.5	22.5	26.5	26.8	28.5	29.9	29.9	30.4	30.4	30.7	31.7	31.7	31.1	31.1
≥ 20000		22.5	23.3	24.3	28.4	28.7	30.5	31.9	31.9	32.4	32.4	32.7	32.7	33.0	33.1	33.1
≥ 18000		22.6	23.9	24.9	29.0	29.3	31.1	32.5	32.5	33.0	33.0	33.3	33.3	33.6	33.7	33.7
≥ 16000		22.6	23.9	24.9	29.0	29.3	31.1	32.5	32.5	33.0	33.0	33.3	33.3	33.6	33.7	33.7
≥ 14000		22.6	23.9	24.9	29.1	29.4	31.2	32.6	32.6	33.1	33.1	33.5	33.5	33.7	33.8	33.8
≥ 12000		22.7	24.0	25.2	29.3	29.7	31.4	32.9	32.9	33.3	33.3	33.7	33.7	33.9	34.0	34.0
≥ 10000		24.8	26.1	28.3	32.6	33.0	35.0	36.4	36.4	36.9	36.9	37.2	37.2	37.5	37.6	37.6
≥ 9000		26.0	27.4	29.6	33.9	34.3	36.3	37.7	37.7	38.2	38.2	38.5	38.5	38.8	38.9	38.9
≥ 8000		31.5	31.9	34.2	39.1	39.5	41.7	43.1	43.1	43.6	43.6	44.0	44.1	44.3	44.4	44.4
≥ 7000		33.2	34.0	37.0	42.0	42.3	44.6	46.1	46.2	46.8	46.8	47.2	47.3	47.5	47.6	47.6
≥ 6000		33.5	35.0	37.2	42.6	42.9	45.3	46.8	46.9	47.5	47.5	47.9	48.0	48.2	48.3	48.3
≥ 5000		35.5	37.2	39.8	45.7	46.1	48.5	50.0	50.1	50.7	50.7	51.1	51.2	51.4	51.5	51.5
≥ 4500		41.3	43.1	45.9	52.7	53.1	55.6	57.1	57.2	57.8	57.8	58.2	58.3	58.5	58.6	58.6
≥ 4000		45.7	47.9	50.9	58.7	59.1	61.6	63.1	63.2	63.8	63.8	64.2	64.3	64.5	64.7	64.7
≥ 3500		49.1	51.7	55.7	63.9	64.3	66.9	68.7	68.8	69.4	69.4	69.7	69.9	70.1	70.2	70.2
≥ 3000		52.7	55.7	59.8	68.3	68.7	71.4	73.3	73.5	74.2	74.2	74.6	74.7	74.9	75.1	75.1
≥ 2500		53.9	57.1	61.3	70.1	70.4	73.5	75.4	75.7	76.4	76.4	76.7	76.8	77.1	77.2	77.2
≥ 2000		57.1	61.1	65.6	76.1	76.6	80.5	82.4	82.6	83.5	83.5	83.8	83.9	84.2	84.3	84.3
≥ 1800		57.6	61.6	66.2	77.3	77.8	81.8	83.7	83.9	84.9	84.9	85.2	85.3	85.6	85.7	85.7
≥ 1500		58.3	62.4	67.3	79.3	79.8	84.6	87.1	87.4	88.3	88.3	88.7	88.8	89.0	89.1	89.1
≥ 1200		58.6	62.9	68.1	80.4	80.9	85.9	89.0	89.2	90.2	90.2	90.5	90.7	90.9	91.0	91.0
≥ 1000		58.9	63.2	68.6	81.2	81.7	86.9	90.0	90.2	91.3	91.4	91.7	91.8	92.1	92.2	92.2
≥ 900		59.1	63.5	68.8	81.6	82.0	87.4	90.5	90.8	92.0	92.1	92.4	92.7	92.9	93.0	93.0
≥ 800		59.1	63.5	68.8	81.6	82.0	87.4	90.8	91.0	92.2	92.3	92.7	92.9	93.1	93.3	93.3
≥ 700		59.1	63.5	68.9	81.7	82.2	87.5	91.1	91.4	92.9	93.0	93.5	93.7	94.0	94.1	94.1
≥ 600		59.2	63.6	69.0	81.8	82.3	87.8	91.5	91.7	93.4	93.5	94.0	94.2	94.4	94.6	94.6
≥ 500		59.5	63.8	69.4	82.2	82.9	88.8	92.6	92.9	94.7	95.2	95.9	96.3	96.6	96.7	96.7
≥ 400		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.3	95.0	95.5	96.3	96.8	97.0	97.2	97.4
≥ 300		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.0	96.8	97.3	97.8	97.9	98.1
≥ 200		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.1	97.2	97.8	98.2	98.3	98.6
≥ 100		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.1	97.2	97.8	98.3	98.8	99.4
≥ 0		59.5	63.8	69.4	82.3	83.0	89.1	92.9	93.6	95.4	96.1	97.2	98.0	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

38 46	HEIDELBERG AAF DL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		18.3	20.1	21.9	25.1	25.4	26.6	27.2	27.4	28.6	28.8	29.0	29.1	29.3	29.3	29.3
≥ 20000		19.1	21.0	23.0	26.5	26.8	28.0	28.7	29.0	30.1	30.4	30.5	30.6	30.9	30.9	30.9
≥ 18000		19.4	21.3	23.3	26.8	27.2	28.4	29.1	29.3	30.5	30.7	30.9	31.0	31.2	31.2	31.2
≥ 16000		19.4	21.3	23.3	26.8	27.2	28.4	29.1	29.3	30.5	30.7	30.9	31.0	31.2	31.2	31.2
≥ 14000		19.5	21.4	23.5	27.1	27.4	28.6	29.3	29.6	30.7	31.0	31.1	31.2	31.4	31.4	31.4
≥ 12000		19.6	21.5	23.6	27.4	27.8	29.0	29.7	29.9	31.1	31.3	31.4	31.6	31.8	31.8	31.8
≥ 10000		22.1	24.1	26.4	30.1	30.5	31.8	32.5	32.7	33.9	34.2	34.3	34.4	34.6	34.6	34.6
≥ 9000		23.2	25.2	27.4	31.3	31.7	33.0	33.7	33.9	35.1	35.3	35.6	35.7	35.9	35.9	35.9
≥ 8000		27.3	29.4	31.8	36.3	36.6	38.1	38.8	39.0	40.3	40.5	40.8	40.9	41.3	41.4	41.4
≥ 7000		29.2	31.3	33.8	38.3	38.7	40.1	41.0	41.3	42.7	42.9	43.3	43.4	43.7	43.9	43.9
≥ 6000		29.6	31.7	34.3	38.9	39.2	40.7	41.6	41.8	43.4	43.6	44.0	44.1	44.4	44.6	44.6
≥ 5000		31.2	33.7	36.4	41.3	41.6	43.3	44.2	44.4	46.0	46.2	46.6	46.7	47.0	47.2	47.2
≥ 4500		35.3	38.1	41.8	46.5	47.0	48.7	50.0	50.2	51.8	52.1	52.5	52.6	53.0	53.1	53.2
≥ 4000		39.1	42.3	45.9	52.4	53.1	54.8	56.1	56.4	58.0	58.4	58.7	58.9	59.2	59.3	59.5
≥ 3500		41.4	45.2	48.7	55.9	56.6	58.5	59.8	60.0	61.7	62.1	62.4	62.5	62.9	63.0	63.1
≥ 3000		45.4	49.8	53.5	61.1	61.7	64.1	65.5	66.1	67.7	68.1	68.4	68.7	69.0	69.1	69.3
≥ 2500		49.3	53.8	57.9	65.1	65.8	68.7	70.2	70.8	72.5	72.8	73.2	73.4	73.6	73.9	74.0
≥ 2000		52.0	57.6	62.2	72.1	72.9	76.2	77.9	78.6	80.3	80.6	81.0	81.2	81.6	81.7	81.8
≥ 1800		53.0	58.5	63.6	73.8	74.6	78.0	79.7	80.4	82.0	82.4	82.7	83.0	83.3	83.5	83.6
≥ 1500		53.8	59.3	64.7	75.9	76.7	80.6	83.3	84.0	85.7	86.1	86.4	86.6	87.0	87.1	87.2
≥ 1200		53.9	59.5	65.0	76.8	77.8	82.0	85.1	85.9	87.7	88.1	88.4	88.7	89.0	89.1	89.2
≥ 1000		54.1	59.7	65.5	77.4	78.4	83.1	86.3	87.4	89.2	89.7	90.1	90.4	90.8	90.9	91.
≥ 900		54.4	59.9	65.8	77.9	78.8	83.6	87.0	88.1	90.0	90.5	90.9	91.3	91.6	91.7	91.8
≥ 800		54.5	60.0	66.0	78.7	79.7	84.6	88.1	89.1	91.0	91.6	92.0	92.3	92.7	92.8	92.9
≥ 700		54.7	60.3	66.2	79.1	80.3	85.3	88.8	90.0	92.3	93.1	93.5	93.9	94.2	94.3	94.4
≥ 600		54.7	60.3	66.3	79.2	80.5	85.6	89.1	90.3	92.8	93.6	94.3	94.7	95.0	95.2	95.3
≥ 500		54.7	60.3	66.3	79.2	80.6	85.9	89.5	90.7	93.3	94.1	94.9	95.3	95.6	95.7	95.9
≥ 400		54.7	60.3	66.3	79.3	80.7	86.2	90.0	91.3	93.9	94.7	95.6	96.0	96.3	96.7	97.0
≥ 300		54.7	60.3	66.3	79.4	80.9	86.4	90.3	91.6	94.2	95.2	96.1	96.5	97.3	97.6	97.8
≥ 200		54.7	60.3	66.3	79.4	80.9	86.4	90.3	91.6	94.2	95.3	96.2	96.6	97.5	97.9	98.3
≥ 100		54.7	60.3	66.3	79.4	80.9	86.4	90.4	91.7	94.3	95.4	96.3	96.7	97.6	98.3	98.9
≥ 0		54.7	60.3	66.3	79.4	80.9	86.4	90.4	91.7	94.3	95.4	96.3	96.7	97.9	98.7	100.

TOTAL NUMBER OF OBSERVATIONS 840

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

[illegible] CLIMATOLOGY BRANCH
[illegible] ETAC
AF[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 4[illegible]	HEIDELBERG AAF GL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

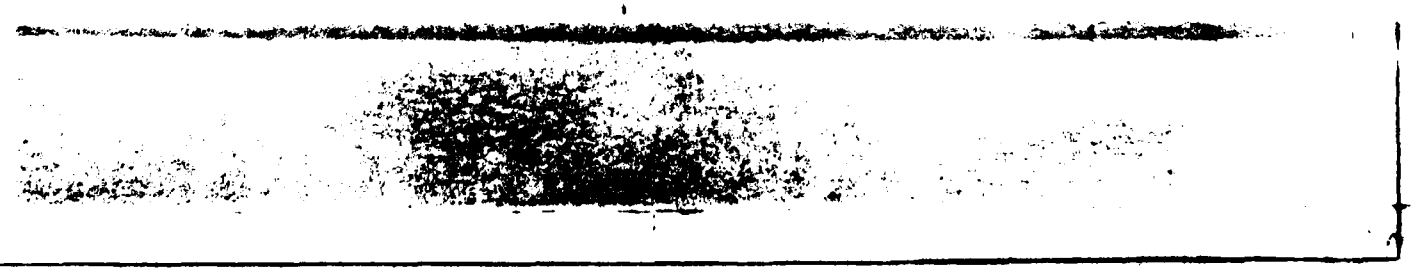
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		15.7	16.3	18.0	20.7	21.2	23.0	24.7	24.9	26.1	26.1	26.5	26.6	26.8	27.[illegible]	27.2
≥ 20000		18.3	19.1	21.[illegible]	24.2	24.8	26.8	28.6	28.8	30.0	30.1	30.5	30.6	30.9	31.[illegible]	31.2
≥ 18000		16.4	19.3	21.2	24.6	25.2	27.2	29.0	29.2	30.4	30.5	30.9	31.0	31.2	31.3	31.6
≥ 16000		16.5	19.4	21.3	24.8	25.4	27.4	29.2	29.4	30.6	30.7	31.1	31.2	31.4	31.6	31.8
≥ 14000		16.5	19.4	21.3	24.8	25.4	27.4	29.2	29.4	30.6	30.7	31.1	31.2	31.4	31.6	31.8
≥ 12000		17.1	20.[illegible]	22.1	25.7	26.4	28.4	30.1	30.4	31.6	31.7	32.[illegible]	32.2	32.4	32.5	32.7
≥ 10000		18.8	21.6	23.9	27.9	28.6	30.6	32.4	32.6	33.9	34.[illegible]	34.4	34.5	34.8	34.9	35.1
≥ 9000		19.4	22.3	24.7	28.8	29.6	31.7	33.7	33.9	35.2	35.3	35.7	35.8	36.1	36.2	36.4
≥ 8000		22.9	26.6	29.2	33.6	34.3	37.1	39.1	39.4	40.7	40.8	41.1	41.4	41.6	41.7	42.1
≥ 7000		24.7	28.6	31.2	36.1	36.8	39.8	41.8	42.1	43.4	43.6	44.[illegible]	44.3	44.6	44.7	45.[illegible]
≥ 6000		25.1	29.1	31.7	36.5	37.2	40.4	42.4	42.8	44.2	44.4	44.8	45.2	45.4	45.5	45.9
≥ 5000		28.0	32.6	35.5	40.5	41.3	44.4	46.8	47.2	48.6	48.8	49.2	49.5	49.8	49.9	50.2
≥ 4500		32.2	37.0	39.8	45.3	46.2	49.8	52.2	52.6	54.[illegible]	54.3	54.7	55.1	55.3	55.4	55.8
≥ 4000		35.[illegible]	40.8	43.7	49.6	50.6	54.4	56.9	57.2	58.6	58.9	59.3	59.7	59.9	60.[illegible]	60.4
≥ 3500		37.5	42.6	45.6	52.6	53.5	57.6	60.0	60.4	61.8	62.1	62.5	62.9	63.1	63.2	63.6
≥ 3000		40.8	46.2	49.3	56.5	57.6	62.3	65.1	65.5	66.9	67.1	67.6	68.1	68.3	68.4	68.8
≥ 2500		42.7	48.3	51.4	60.3	61.3	66.4	69.9	70.3	71.9	72.1	72.6	73.0	73.3	73.4	73.8
≥ 2000		44.9	51.3	55.6	66.1	67.3	72.7	76.7	77.3	78.8	79.1	79.6	80.[illegible]	80.3	80.4	80.7
≥ 1800		45.[illegible]	51.5	55.8	67.1	68.3	74.3	78.5	79.2	80.[illegible]	81.[illegible]	81.4	81.9	82.2	82.3	82.6
≥ 1500		45.5	52.[illegible]	56.4	69.1	70.4	77.[illegible]	81.6	82.4	84.3	84.5	85.[illegible]	85.5	85.7	85.8	86.2
≥ 1200		46.1	52.6	57.[illegible]	69.7	71.5	78.1	83.1	84.3	86.3	86.5	87.1	87.6	87.8	87.9	88.3
≥ 1000		46.2	52.8	57.2	70.2	72.[illegible]	78.8	84.4	85.6	88.1	88.3	89.[illegible]	89.6	89.8	90.[illegible]	90.3
≥ 900		46.3	53.1	57.4	70.6	72.3	79.4	85.2	86.4	88.9	89.1	89.8	90.4	90.7	90.8	91.1
≥ 800		46.6	53.3	57.7	71.[illegible]	72.8	80.3	86.1	87.6	90.2	90.7	91.4	92.[illegible]	92.2	92.3	92.7
≥ 700		46.6	53.4	57.9	71.4	73.4	81.[illegible]	86.9	88.8	91.7	92.3	93.[illegible]	93.7	94.2	94.4	94.6
≥ 600		46.6	53.4	58.2	71.7	73.8	81.3	87.6	89.5	92.4	93.[illegible]	93.9	94.7	95.2	95.6	96.[illegible]
≥ 500		46.6	53.4	58.2	72.[illegible]	74.[illegible]	81.6	87.8	90.[illegible]	92.9	93.5	94.4	95.3	95.7	96.2	96.6
≥ 400		46.6	53.4	58.2	72.3	74.3	82.[illegible]	88.4	90.5	94.[illegible]	94.6	95.5	96.5	96.9	97.4	97.8
≥ 300		46.6	53.4	58.2	72.3	74.3	82.[illegible]	88.5	90.7	94.1	94.8	95.7	96.8	97.3	97.8	98.1
≥ 200		46.6	53.4	58.2	72.3	74.3	82.2	88.7	90.9	94.3	95.[illegible]	96.3	97.5	98.[illegible]	98.5	99.1
≥ 100		46.6	53.4	58.2	72.3	74.3	82.3	88.8	91.[illegible]	94.4	95.2	96.5	97.6	98.2	98.7	99.4
≥ 0		46.6	53.4	58.2	72.3	74.3	82.3	88.9	91.1	94.6	95.3	96.6	97.8	98.3	98.8	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 846

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

34 46 | HEIDELBERG AAF DL | 69-70,74-81 | FEB
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		1[illegible].4	2[illegible].6	21.0	24.6	24.8	25.2	27.5	27.9	28.8	29.0	29.1	29.1	29.1	29.1	29.1
≥ 20000		22.6	24.9	25.4	29.9	30.3	30.9	33.2	33.6	34.5	34.6	34.8	34.8	34.8	34.8	34.8
≥ 18000		22.7	25.1	25.7	3[illegible].1	30.5	31.1	33.5	33.8	35.0	35.1	35.2	35.2	35.2	35.2	35.2
≥ 16000		22.7	25.1	25.7	3[illegible].1	30.5	31.1	33.5	33.8	35.0	35.1	35.2	35.2	35.2	35.2	35.2
≥ 14000		23.2	25.5	26.1	30.6	31.0	31.6	33.9	34.3	35.5	35.6	35.7	35.7	35.7	35.7	35.7
≥ 12000		23.8	26.1	26.7	31.3	31.7	32.3	34.6	35.[illegible]	36.2	36.3	36.4	36.4	36.4	36.4	36.4
≥ 10000		25.7	28.1	29.0	33.7	34.0	34.6	37.1	37.6	38.9	39.1	39.2	39.2	39.2	39.2	39.2
≥ 9000		26.6	29.2	30.0	35.1	35.5	36.1	38.5	39.[illegible]	40.3	40.5	40.7	40.7	40.7	40.7	40.7
≥ 8000		30.0	33.1	34.0	39.4	39.7	40.7	43.1	43.6	44.9	45.2	45.3	45.3	45.3	45.3	45.3
≥ 7000		31.7	34.9	35.8	41.4	41.7	42.7	45.2	45.6	47.[illegible]	47.3	47.4	47.4	47.4	47.4	47.4
≥ 6000		32.4	35.8	36.8	42.4	42.8	43.9	46.5	46.9	48.3	48.6	48.7	48.7	48.7	48.7	48.7
≥ 5000		34.9	38.4	39.5	45.2	45.5	47.2	49.9	50.5	51.9	52.1	52.2	52.2	52.2	52.2	52.2
≥ 4500		37.9	41.7	43.0	48.9	49.3	50.9	53.9	54.5	55.9	56.1	56.5	56.5	56.5	56.5	56.5
≥ 4000		41.5	45.4	46.8	53.1	53.4	55.4	58.4	59.[illegible]	60.4	60.6	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]
≥ 3500		44.3	48.3	50.2	57.0	57.3	59.5	62.4	63.0	64.4	64.7	65.[illegible]	65.0	65.0	65.[illegible]	65.[illegible]
≥ 3000		47.0	51.3	53.4	61.2	61.7	64.4	67.6	68.2	69.6	69.9	70.2	70.2	70.2	70.2	70.2
≥ 2500		50.0	54.5	56.9	66.3	66.9	70.1	73.5	74.1	75.5	75.8	76.1	76.2	76.2	76.2	76.2
≥ 2000		52.5	57.8	61.2	72.6	73.4	77.4	81.1	81.8	83.6	83.9	84.3	84.4	84.4	84.4	84.4
≥ 1800		52.6	59.0	61.5	73.4	74.2	78.7	82.6	83.5	85.3	85.7	86.1	86.2	86.2	86.2	86.2
≥ 1500		53.2	58.9	62.5	75.5	76.5	81.7	86.1	87.0	89.1	89.7	90.1	90.2	90.2	90.2	90.2
≥ 1200		53.7	59.3	63.0	76.6	77.5	83.2	87.7	88.7	91.0	91.6	92.0	92.1	92.1	92.1	92.1
≥ 1000		54.0	59.7	63.5	77.2	78.1	84.0	88.7	89.6	92.1	92.8	93.1	93.3	93.3	93.3	93.3
≥ 900		54.3	60.2	63.9	77.9	78.8	84.9	89.5	90.4	93.1	93.9	94.2	94.3	94.3	94.3	94.3
≥ 800		54.3	60.2	63.9	78.4	79.4	85.5	90.1	91.3	94.0	94.7	95.0	95.2	95.2	95.2	95.2
≥ 700		54.3	60.3	64.1	78.5	79.6	85.6	90.4	92.1	94.9	95.6	96.2	96.3	96.6	96.6	96.6
≥ 600		54.3	60.3	64.2	78.8	79.9	85.9	90.9	92.6	96.5	97.3	97.9	98.1	98.5	98.5	98.5
≥ 500		54.3	60.3	64.2	79.0	80.0	86.2	91.1	92.9	96.9	97.8	98.5	98.7	99.1	99.1	99.1
≥ 400		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.[illegible]	97.3	98.1	98.9	99.3	99.8	99.8	99.8
≥ 300		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.4	98.2	99.1	99.4	99.9	99.9	99.9
≥ 200		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.4	98.2	99.1	99.4	99.9	99.9	99.9
≥ 100		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.0	97.4	98.2	99.1	99.4	99.9	100.0	100.0
≥ 0		54.4	60.4	64.3	79.1	80.1	86.3	91.3	93.[illegible]	97.4	98.2	99.1	99.4	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 646

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

34 46	HEIDELBERG AAF DL	69-70, 74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		23.7	24.7	25.4	28.1	28.5	29.8	30.9	31.8	32.3	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000		28.5	29.8	30.7	34.0	34.4	35.8	36.9	37.8	38.3	38.5	38.5	38.5	38.5	38.5	38.5
≥ 18000		28.5	29.9	30.9	34.3	34.6	36.1	37.2	38.2	38.8	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000		28.5	29.9	30.9	34.3	34.6	36.1	37.2	38.2	38.8	39.0	39.0	39.0	39.0	39.0	39.0
≥ 14000		29.1	30.7	31.8	35.2	35.6	37.0	38.2	39.1	39.7	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000		29.9	31.6	32.6	36.4	36.8	38.2	39.4	40.3	41.0	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000		32.0	33.9	35.1	39.0	39.4	41.0	42.2	43.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3
≥ 9000		33.8	35.8	37.1	41.3	41.7	43.5	44.7	45.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8
≥ 8000		36.2	38.3	39.8	44.1	44.6	46.6	47.8	48.8	49.9	50.1	50.1	50.1	50.1	50.1	50.1
≥ 7000		37.4	39.6	41.1	45.4	45.9	48.1	49.3	50.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000		38.4	40.7	42.2	46.5	46.9	49.3	50.6	51.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0
≥ 5000		41.0	43.4	44.9	49.4	49.9	52.5	53.8	54.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500		45.0	47.8	49.5	54.4	54.8	57.7	59.1	60.2	61.2	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4000		49.2	51.9	53.7	58.7	59.2	62.3	63.8	64.9	66.1	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3500		53.6	55.4	57.2	63.0	63.5	66.7	68.3	69.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000		55.7	58.7	60.8	67.0	67.5	71.0	72.7	73.8	74.9	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2500		58.9	62.3	64.3	71.6	72.1	76.1	77.8	78.8	80.0	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000		61.6	64.3	66.5	74.6	75.5	80.1	81.9	83.1	84.5	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800		61.6	65.2	67.8	75.9	76.8	81.8	83.6	84.8	86.2	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1500		62.6	66.7	69.5	79.3	80.5	85.9	87.9	89.2	91.1	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200		63.1	67.1	70.1	80.4	81.6	87.2	89.2	90.7	92.9	93.9	93.9	93.9	94.0	94.0	94.0
≥ 1000		63.5	67.5	70.4	80.9	82.0	88.1	90.8	92.2	94.8	96.0	96.0	96.0	96.1	96.1	96.1
≥ 900		63.5	67.5	70.4	81.1	82.3	88.7	91.5	93.0	95.6	96.8	96.8	96.8	96.9	96.9	96.9
≥ 800		63.5	67.5	70.6	81.4	82.6	89.1	92.0	93.5	96.5	97.6	97.6	97.6	97.9	97.9	97.9
≥ 700		63.5	67.5	70.6	81.4	82.6	89.1	92.2	94.0	97.0	98.2	98.3	98.3	98.7	98.7	98.7
≥ 600		63.5	67.5	70.6	81.4	82.6	89.1	92.3	94.1	97.3	98.5	98.7	98.7	99.1	99.1	99.1
≥ 500		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.8	99.3	99.3	99.6	99.6	99.6
≥ 400		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 300		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 200		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 100		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0
≥ 0		63.5	67.5	70.6	81.4	82.6	89.2	92.4	94.2	97.6	98.9	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

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

34 4E	HEIDELBERG AAF DL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		22.8	24.5	26.4	31.1	31.1	32.5	33.0	33.6	34.3	34.3	34.4	34.4	34.6	34.6	34.6
≥ 20000		26.6	28.4	30.6	35.7	35.7	37.2	37.8	38.4	39.1	39.1	39.2	39.2	39.5	39.5	39.5
≥ 18000		26.6	28.4	30.6	35.7	35.7	37.2	37.8	38.4	39.1	39.1	39.2	39.2	39.5	39.5	39.5
≥ 16000		26.6	28.4	30.6	35.7	35.7	37.2	37.8	38.4	39.1	39.1	39.2	39.2	39.5	39.5	39.5
≥ 14000		27.0	28.7	31.0	36.1	36.1	37.7	38.3	38.9	39.6	39.6	39.7	39.7	40.0	40.0	40.0
≥ 12000		28.1	29.9	32.2	37.4	37.4	39.0	39.6	40.2	40.9	40.9	41.0	41.0	41.3	41.3	41.3
≥ 10000		30.4	32.2	34.6	40.4	40.4	42.1	42.7	43.3	44.0	44.0	44.1	44.1	44.3	44.3	44.3
≥ 9000		32.0	33.9	36.4	42.3	42.3	44.0	44.6	45.2	45.9	45.9	46.0	46.0	46.2	46.2	46.2
≥ 8000		35.2	37.2	40.1	46.3	46.3	48.5	49.2	49.8	50.5	50.5	50.6	50.6	50.8	50.8	50.8
≥ 7000		37.4	39.4	42.2	48.8	48.8	51.8	52.5	53.1	53.8	53.8	53.9	53.9	54.1	54.1	54.1
≥ 6000		37.5	39.5	42.3	49.1	49.1	52.0	52.7	53.3	54.0	54.0	54.1	54.1	54.4	54.4	54.4
≥ 5000		40.5	42.8	45.6	52.7	52.7	55.7	56.4	57.0	57.8	57.8	57.9	57.9	58.2	58.2	58.2
≥ 4500		44.6	47.0	50.0	57.4	57.4	60.6	61.3	61.9	62.8	62.8	62.9	62.9	63.1	63.1	63.1
≥ 4000		49.1	51.9	55.0	62.8	62.8	66.3	67.0	67.7	68.6	68.6	68.7	68.7	68.9	68.9	68.9
≥ 3500		54.1	57.0	60.2	68.3	68.3	71.9	72.6	73.4	74.2	74.2	74.3	74.3	74.6	74.6	74.6
≥ 3000		55.9	59.0	62.5	71.3	71.3	75.1	75.8	76.6	77.4	77.4	77.5	77.5	77.8	77.8	77.8
≥ 2500		58.4	61.7	65.6	75.3	75.3	79.1	79.8	80.6	81.4	81.7	81.8	81.8	82.0	82.0	82.0
≥ 2000		60.8	64.4	68.9	80.3	80.3	84.6	85.8	86.8	87.7	87.9	88.1	88.1	88.3	88.3	88.3
≥ 1800		61.3	65.1	69.6	81.3	81.3	85.7	86.9	87.8	88.8	89.0	89.1	89.1	89.4	89.4	89.4
≥ 1500		62.1	65.8	70.4	82.7	82.7	87.4	89.0	90.0	91.0	91.8	92.0	92.0	92.2	92.2	92.2
≥ 1200		62.2	66.2	70.9	84.0	84.2	88.9	90.8	91.7	92.8	93.7	93.9	93.9	94.1	94.1	94.1
≥ 1000		62.2	66.2	70.9	84.3	84.5	89.2	91.3	92.2	93.4	94.3	94.4	94.4	94.7	94.7	94.7
≥ 900		62.2	66.2	70.9	84.4	84.6	89.7	91.7	92.7	93.9	94.8	94.9	94.9	95.2	95.2	95.2
≥ 800		62.2	66.3	71.0	84.5	84.8	90.2	93.4	94.4	96.2	97.2	97.4	97.4	97.6	97.6	97.6
≥ 700		62.2	66.3	71.0	84.5	84.8	90.2	93.6	94.7	96.6	97.6	97.9	98.0	98.2	98.2	98.2
≥ 600		62.2	66.3	71.0	84.5	84.8	90.2	93.6	94.7	96.8	97.9	98.2	98.3	98.6	98.6	98.6
≥ 500		62.2	66.3	71.0	84.5	84.8	90.2	93.6	94.9	97.3	98.5	98.8	98.9	99.2	99.2	99.2
≥ 400		62.3	66.4	71.2	84.6	84.9	90.3	93.9	95.2	97.5	98.7	99.1	99.2	99.4	99.4	99.4
≥ 300		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0
≥ 200		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0
≥ 100		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0
≥ 0		62.3	66.4	71.2	84.6	84.9	90.3	94.0	95.3	97.6	98.8	99.2	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		23.9	26.7	29.6	35.7	36.1	37.1	37.1	37.5	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 20000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 16000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 14000		25.9	28.7	31.8	38.4	38.8	39.8	39.8	40.2	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 12000		26.5	29.3	32.4	39.1	39.5	40.5	40.5	40.9	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000		29.7	32.5	35.6	42.3	42.7	43.7	43.7	44.3	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 9000		31.7	34.5	37.6	44.4	44.8	45.9	46.0	46.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 8000		35.9	38.8	42.1	49.4	49.8	51.1	51.2	51.8	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 7000		38.1	41.0	44.3	52.1	52.5	54.4	54.5	55.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 6000		38.3	41.3	44.6	52.4	52.7	54.6	54.7	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000		40.6	44.4	48.1	56.0	56.4	58.4	58.5	59.1	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500		44.4	48.2	52.0	60.8	61.1	63.2	63.4	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4000		47.6	51.8	55.8	64.8	65.1	67.6	67.7	68.4	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500		50.8	55.1	59.8	69.6	70.0	72.5	72.7	73.4	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000		54.1	58.5	63.6	74.1	74.5	77.1	77.4	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2500		56.0	60.4	65.5	76.2	76.6	79.3	79.7	80.4	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000		58.3	63.1	69.5	81.6	82.2	85.2	85.7	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800		59.4	63.4	69.9	82.2	82.7	85.8	86.3	87.0	87.8	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500		59.3	64.5	71.2	84.6	85.3	89.0	89.7	90.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200		59.9	65.2	72.1	85.8	86.9	90.5	91.6	92.3	93.6	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000		59.9	65.2	72.3	86.3	87.5	91.3	92.7	93.4	94.7	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900		59.9	65.2	72.3	86.4	87.6	91.6	93.0	93.7	95.0	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800		60.3	65.6	72.8	86.9	88.1	92.4	94.2	94.9	96.2	96.6	96.7	96.7	96.7	96.7	96.7
≥ 700		60.3	65.7	72.9	87.0	88.2	92.7	94.7	95.4	96.8	97.2	97.3	97.3	97.3	97.3	97.3
≥ 600		61.3	65.8	73.3	87.4	88.5	93.0	95.2	95.9	97.3	97.6	97.8	97.8	97.8	97.8	97.8
≥ 500		60.3	65.8	73.3	87.4	88.5	93.0	95.5	96.3	98.0	98.3	98.5	98.5	98.5	98.5	98.5
≥ 400		60.3	65.8	73.3	87.4	88.5	93.0	95.5	96.3	98.3	98.7	98.8	98.9	98.9	98.9	98.9
≥ 300		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	99.6
≥ 200		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	99.6
≥ 100		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	99.8
≥ 0		60.3	65.8	73.3	87.4	88.5	93.0	95.7	96.7	98.7	99.1	99.2	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF GL	69-70,74-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		20.4	22.3	23.8	27.7	28.0	29.2	30.2	30.6	31.3	31.4	31.6	31.6	31.7	31.8	31.8
≥ 20000		23.2	25.1	27.0	31.3	31.7	33.0	34.0	34.4	35.1	35.2	35.4	35.4	35.6	35.6	35.7
≥ 18000		23.3	25.3	27.2	31.6	31.9	33.2	34.2	34.6	35.4	35.5	35.7	35.7	35.9	35.9	35.9
≥ 16000		23.3	25.3	27.2	31.6	31.9	33.3	34.3	34.6	35.4	35.5	35.7	35.7	35.9	35.9	36.0
≥ 14000		23.5	25.5	27.5	31.9	32.2	33.6	34.6	34.9	35.7	35.8	36.0	36.0	36.2	36.2	36.3
≥ 12000		24.1	26.1	28.1	32.7	33.0	34.4	35.4	35.7	36.5	36.6	36.8	36.8	37.0	37.0	37.1
≥ 10000		26.3	28.3	30.5	35.4	35.7	37.2	38.2	38.6	39.5	39.6	39.8	39.8	40.0	40.0	40.0
≥ 9000		27.6	29.7	32.0	37.0	37.3	38.8	39.9	40.3	41.2	41.3	41.5	41.5	41.7	41.7	41.8
≥ 8000		31.3	33.7	36.2	41.5	41.9	43.7	44.8	45.2	46.1	46.2	46.4	46.5	46.7	46.7	46.8
≥ 7000		33.3	35.7	38.2	43.8	44.2	46.2	47.4	47.8	48.8	48.9	49.1	49.2	49.3	49.4	49.5
≥ 6000		33.8	36.3	38.8	44.5	44.9	47.0	48.2	48.6	49.6	49.7	49.9	50.0	50.2	50.2	50.3
≥ 5000		36.3	39.2	41.8	47.8	48.2	50.5	51.7	52.2	53.2	53.3	53.5	53.6	53.8	53.8	53.9
≥ 4500		40.5	43.6	46.4	52.9	53.4	55.8	57.2	57.6	58.6	58.8	59.0	59.1	59.3	59.3	59.4
≥ 4000		44.4	47.8	50.9	57.8	58.3	61.0	62.3	62.8	63.8	64.0	64.2	64.3	64.5	64.5	64.6
≥ 3500		47.5	51.1	54.6	62.1	62.6	65.4	66.8	67.3	68.3	68.5	68.7	68.8	69.0	69.0	69.1
≥ 3000		50.5	54.4	58.1	66.2	66.7	69.8	71.4	72.0	73.0	73.2	73.4	73.5	73.7	73.8	73.8
≥ 2500		52.9	57.0	60.8	69.7	70.3	73.7	75.4	76.1	77.1	77.3	77.6	77.7	77.9	77.9	78.0
≥ 2000		55.5	60.2	64.7	75.2	75.9	79.9	81.9	82.6	83.7	83.9	84.2	84.3	84.5	84.5	84.6
≥ 1800		56.0	60.7	65.4	76.3	77.0	81.3	83.3	84.0	85.3	85.5	85.7	85.9	86.0	86.1	86.2
≥ 1500		56.8	61.6	66.5	78.5	79.3	84.2	86.7	87.5	88.9	89.3	89.6	89.7	89.8	89.9	90.0
≥ 1200		57.2	62.1	67.1	79.6	80.5	85.6	88.3	89.2	90.7	91.2	91.5	91.6	91.8	91.8	91.9
≥ 1000		57.3	62.3	67.4	80.1	81.0	86.3	89.4	90.3	91.9	92.5	92.8	92.9	93.1	93.1	93.2
≥ 900		57.4	62.5	67.6	80.4	81.3	86.8	90.0	90.9	92.6	93.1	93.4	93.6	93.8	93.8	93.9
≥ 800		57.6	62.6	67.8	80.9	81.8	87.5	90.9	91.9	93.7	94.3	94.6	94.8	95.0	95.0	95.1
≥ 700		57.6	62.7	67.9	81.0	82.0	87.8	91.3	92.5	94.6	95.2	95.6	95.8	96.1	96.1	96.2
≥ 600		57.6	62.7	68.0	81.3	82.3	88.1	91.8	92.9	95.3	95.9	96.4	96.6	96.9	97.0	97.1
≥ 500		57.6	62.8	68.1	81.4	82.5	88.4	92.1	93.4	95.9	96.6	97.2	97.4	97.7	97.8	97.9
≥ 400		57.7	62.8	68.1	81.5	82.6	88.6	92.4	93.6	96.3	97.0	97.7	98.0	98.3	98.5	98.6
≥ 300		57.7	62.8	68.1	81.5	82.6	88.6	92.5	93.8	96.5	97.3	98.0	98.3	98.8	98.9	99.1
≥ 200		57.7	62.8	68.1	81.5	82.6	88.6	92.5	93.9	96.6	97.4	98.1	98.5	99.0	99.1	99.4
≥ 100		57.7	62.8	68.1	81.5	82.6	88.7	92.5	93.9	96.6	97.4	98.1	98.6	99.0	99.3	99.7
≥ 0		57.7	62.8	68.1	81.5	82.6	88.7	92.5	93.9	96.6	97.4	98.2	98.6	99.1	99.3	100.

TOTAL NUMBER OF OBSERVATIONS 6768

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAR — MONTH
000-0200 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		34.9	37.5	38.9	40.2	40.4	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000		37.9	41.2	43.1	44.5	44.7	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 18000		38.3	41.3	43.2	44.6	44.8	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000		38.3	41.3	43.2	44.6	44.8	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000		38.1	41.4	43.3	44.7	44.9	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000		38.4	41.8	43.6	45.0	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000		41.0	44.3	46.8	48.3	48.5	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 9000		43.5	46.9	49.4	51.0	51.2	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 8000		48.4	52.0	54.5	56.3	56.6	57.5	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 7000		50.6	54.3	56.7	59.2	59.5	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000		51.8	55.4	57.9	60.7	61.0	62.3	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000		56.5	60.2	62.8	65.7	66.0	67.5	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 4500		60.8	64.6	67.4	70.6	70.9	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
≥ 4000		63.4	67.5	70.3	74.1	74.4	76.2	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9
≥ 3500		67.3	72.0	75.3	79.3	79.7	81.5	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 3000		69.6	75.5	79.1	83.4	83.7	85.6	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.7
≥ 2500		72.9	79.0	82.9	87.7	88.1	89.9	90.4	90.7	90.9	90.9	90.9	90.9	90.9	90.9	91.1
≥ 2000		75.2	81.7	85.9	91.5	91.8	94.6	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.9
≥ 1800		75.5	81.9	86.1	92.1	92.5	95.3	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 1500		76.1	82.7	86.9	93.4	93.9	96.7	97.3	97.6	97.7	97.7	97.8	97.8	97.8	97.8	98.0
≥ 1200		76.3	83.1	87.3	94.3	94.7	97.6	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	99.1
≥ 1000		76.3	83.1	87.3	94.3	94.7	97.6	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	99.1
≥ 900		76.3	83.1	87.3	94.3	94.7	98.0	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.4
≥ 800		76.4	83.2	87.4	94.4	94.8	98.1	98.7	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.5
≥ 700		76.4	83.2	87.4	94.5	94.9	98.2	98.8	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.6
≥ 600		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 500		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 400		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 300		76.5	83.4	87.6	94.7	95.2	98.4	99.0	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9
≥ 200		76.6	83.5	87.7	94.8	95.3	98.5	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 100		76.6	83.5	87.7	94.8	95.3	98.5	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0
≥ 0		76.6	83.5	87.7	94.8	95.3	98.5	99.1	99.5	99.8	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

38 46	HEIDELBERG AAF OL	68-70,74-80	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		3 .6	33.4	34.4	36.7	36.7	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2
≥ 20000		33.3	36.9	38.3	40.8	40.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8
≥ 18000		33.3	36.9	38.3	40.8	40.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8
≥ 16000		33.3	36.9	38.3	40.8	40.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8
≥ 14000		34.1	37.6	39.0	41.5	41.5	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5
≥ 12000		34.2	37.7	39.1	41.6	41.6	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.7
≥ 10000		37.1	41.2	43.1	45.8	45.8	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.0	48.2
≥ 9000		38.4	42.8	44.8	47.6	47.6	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8	50.0
≥ 8000		44.5	48.9	51.0	54.1	54.1	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.8
≥ 7000		47.3	51.8	54.1	57.6	57.6	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.9
≥ 6000		48.9	53.4	55.7	59.2	59.2	62.0	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.9
≥ 5000		52.9	57.6	59.9	63.7	63.7	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.4
≥ 4500		57.1	62.0	64.4	68.5	68.5	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.6
≥ 4000		59.5	64.5	67.0	72.0	72.0	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9	76.1
≥ 3500		62.7	67.7	70.6	76.1	76.1	79.5	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.4	80.6
≥ 3000		65.7	71.5	74.6	80.3	80.3	83.7	84.2	84.4	84.8	84.8	84.8	84.8	84.8	84.9	85.2
≥ 2500		67.8	74.1	77.3	83.3	83.3	87.0	87.5	87.7	88.3	88.3	88.3	88.3	88.3	88.4	88.6
≥ 2000		70.3	77.0	80.8	87.6	87.6	91.7	92.3	92.5	93.0	93.0	93.0	93.0	93.0	93.1	93.3
≥ 1800		71.8	77.7	81.5	88.8	88.8	93.0	93.5	93.8	94.3	94.3	94.3	94.3	94.3	94.4	94.6
≥ 1500		71.4	78.9	82.9	90.6	90.6	95.2	95.7	95.9	96.5	96.5	96.5	96.5	96.5	96.6	96.8
≥ 1200		72.0	79.6	83.7	91.8	91.8	96.3	96.9	97.1	97.7	97.7	97.7	97.7	97.7	97.8	98.1
≥ 1000		72.2	79.7	83.8	92.3	92.3	96.8	97.3	97.5	98.2	98.2	98.2	98.2	98.2	98.3	98.5
≥ 900		72.3	79.8	83.9	92.4	92.4	97.2	97.7	98.0	98.6	98.6	98.6	98.6	98.6	98.7	98.9
≥ 800		72.3	79.8	83.9	92.4	92.4	97.2	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.8	99.
≥ 700		72.3	79.8	83.9	92.4	92.4	97.2	97.7	98.1	98.7	98.7	98.7	98.7	98.7	98.8	99.
≥ 600		72.4	79.9	84.0	92.6	92.6	97.4	98.0	98.4	99.0	99.0	99.0	99.0	99.0	99.1	99.4
≥ 500		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.8
≥ 400		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.5	99.5	99.5	99.6	99.8
≥ 300		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.5	99.5	99.7	99.8	100.
≥ 200		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.5	99.5	99.7	99.8	100.
≥ 100		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.5	99.5	99.7	99.8	100.
≥ 0		72.5	80.0	84.2	92.8	92.8	97.6	98.2	98.6	99.2	99.2	99.5	99.5	99.7	99.8	100.

TOTAL NUMBER OF OBSERVATIONS 57

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

34 46	HEIDELBERG AAF GE	68-70,74-80	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600- 0[illegible]
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		21.7	23.4	24.9	27.8	28.1	29.6	30.4	31.1	32.5	33.0	33.1	33.1	33.1	33.1	33.9
≥ 20000		25.8	26.1	27.8	31.6	31.8	33.5	34.6	35.4	36.8	37.3	37.5	37.6	37.6	37.6	38.1
≥ 18000		25.9	26.2	28.	31.7	31.9	33.7	34.7	35.5	36.9	37.4	37.6	37.7	37.7	37.7	38.2
≥ 16000		25.9	26.2	28.	31.7	31.9	33.7	34.7	35.5	36.9	37.4	37.6	37.7	37.7	37.7	38.2
≥ 14000		24.1	26.5	28.2	32.7	32.3	34.0	35.1	35.8	37.2	37.7	38.0	38.1	38.1	38.1	38.5
≥ 12000		25.2	27.5	29.2	33.1	33.3	35.1	36.1	36.9	38.3	38.8	39.0	39.1	39.1	39.1	39.6
≥ 10000		26.7	29.5	31.7	36.3	36.6	38.3	39.4	40.2	41.6	42.2	42.5	42.6	42.6	42.6	43.1
≥ 9000		25.5	31.7	34.1	39.1	39.4	41.1	42.2	43.[illegible]	44.4	44.9	45.3	45.4	45.4	45.4	45.8
≥ 8000		34.3	37.8	40.6	46.0	46.5	48.6	50.1	51.[illegible]	52.9	53.4	53.8	53.9	53.9	53.9	54.3
≥ 7000		35.6	39.1	41.9	47.3	47.7	50.0	51.6	52.5	54.5	55.1	55.4	55.5	55.5	55.5	55.9
≥ 6000		36.6	40.2	43.0	48.4	48.8	51.2	52.8	53.9	55.9	56.5	56.8	56.9	56.9	56.9	57.3
≥ 5000		33.8	42.7	45.6	51.1	51.5	53.9	55.5	56.6	58.6	59.1	59.5	59.6	59.6	59.6	60.[illegible]
≥ 4500		41.6	45.8	48.9	55.1	55.6	58.1	59.9	61.[illegible]	63.0	63.5	63.9	64.[illegible]	64.[illegible]	64.[illegible]	64.4
≥ 4000		43.9	48.8	52.2	59.4	59.9	62.5	64.5	65.6	67.6	68.2	68.5	68.6	68.6	68.6	69.[illegible]
≥ 3500		48.9	54.0	57.6	65.7	66.2	69.0	71.3	72.4	74.5	75.2	75.5	75.7	75.7	75.7	76.1
≥ 3000		51.9	57.5	61.4	69.6	70.1	73.0	75.5	76.7	78.9	79.8	80.1	80.3	80.3	80.3	80.8
≥ 2500		54.1	60.0	64.0	72.6	73.1	76.2	79.0	80.2	82.5	83.3	83.7	83.9	83.9	83.9	84.3
≥ 2000		57.1	64.1	68.6	78.5	79.2	83.2	86.2	87.5	89.9	90.8	91.1	91.3	91.3	91.3	91.7
≥ 1800		57.3	64.5	69.0	79.1	79.9	84.0	87.0	88.3	90.6	91.5	91.8	92.0	92.0	92.0	92.5
≥ 1500		58.2	65.7	70.4	81.1	81.9	86.3	89.6	91.1	93.4	94.3	94.6	94.8	94.8	94.8	95.3
≥ 1200		58.3	66.1	70.9	81.9	83.0	87.6	90.9	92.4	94.9	95.8	96.1	96.3	96.3	96.3	96.8
≥ 1000		58.4	66.2	71.0	82.4	83.4	88.2	91.4	92.9	95.5	96.3	96.7	96.9	97.0	97.0	97.4
≥ 900		58.4	66.2	71.0	82.4	83.4	88.2	91.4	92.9	95.6	96.6	96.9	97.1	97.2	97.2	97.6
≥ 800		58.4	66.2	71.0	82.5	83.5	88.3	91.5	93.1	95.9	96.9	97.2	97.4	97.5	97.5	98.[illegible]
≥ 700		58.5	66.3	71.1	82.7	83.8	88.5	91.7	93.4	96.3	97.3	97.7	98.0	98.1	98.1	98.5
≥ 600		58.5	66.6	71.3	82.9	84.0	88.7	91.9	93.7	96.6	97.5	98.[illegible]	98.2	98.3	98.3	98.7
≥ 500		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.[illegible]	99.[illegible]	99.5
≥ 400		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	98.9	99.0	99.[illegible]	99.5
≥ 300		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	99.0	99.1	99.2	99.6
≥ 200		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	99.0	99.1	99.2	100.
≥ 100		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	99.0	99.1	99.2	100.
≥ 0		58.5	66.6	71.4	83.2	84.3	89.0	92.4	94.3	97.3	98.3	98.7	99.0	99.1	99.2	100.

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4[illegible]	HEIDELBERG AAF GE	56-73,74-8[illegible]	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1[illegible]
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		2[illegible].3	22.7	23.6	27.2	27.4	29.1	30.3	31.2	32.0	32.3	32.4	32.4	32.4	32.4	32.5
≥ 20000		23.4	26.6	28.1	32.5	32.8	35.2	36.6	37.8	38.8	39.0	39.4	39.4	39.6	39.6	39.9
≥ 18000		23.5	26.9	28.4	32.8	33.1	35.5	36.9	38.2	39.1	39.4	39.7	39.7	39.9	39.9	40.2
≥ 16000		23.5	26.9	28.4	32.8	33.1	35.5	36.9	38.2	39.1	39.4	39.7	39.7	39.9	39.9	40.2
≥ 14000		24.[illegible]	27.3	28.9	33.4	33.8	36.1	37.5	38.8	39.8	40.0	40.3	40.4	40.6	40.6	41.0
≥ 12000		24.8	28.4	3[illegible].0	34.5	34.8	37.3	38.7	40.0	41.0	41.2	41.5	41.6	41.8	41.8	42.2
≥ 10000		26.5	30.1	31.8	36.3	37.1	39.8	41.3	42.9	44.0	44.2	44.5	44.6	44.8	44.9	45.2
≥ 9000		29.0	32.9	34.7	40.0	40.3	43.1	44.7	46.3	47.4	47.6	48.[illegible]	48.1	48.3	48.3	48.6
≥ 8000		33.2	37.5	39.8	46.0	46.5	49.5	51.6	53.4	54.6	54.8	55.2	55.3	55.5	55.5	55.8
≥ 7000		36.0	40.5	42.9	49.2	49.7	52.8	54.9	56.9	58.0	58.2	58.5	58.6	58.8	58.9	59.1
≥ 6000		39.6	41.3	43.9	50.2	50.6	53.9	56.0	58.[illegible]	59.1	59.4	59.7	59.8	60.0	60.0	60.3
≥ 5000		3[illegible].1	43.1	45.8	52.2	52.6	55.9	58.1	60.[illegible]	61.2	61.4	61.7	61.8	62.[illegible]	62.[illegible]	62.4
≥ 4500		40.4	45.6	48.4	55.3	55.7	59.1	61.3	63.2	64.5	64.7	65.1	65.2	65.4	65.4	65.7
≥ 4000		41.6	47.6	50.8	58.3	58.8	62.6	64.9	66.9	68.2	68.4	68.7	68.8	69.[illegible]	69.[illegible]	69.4
≥ 3500		45.1	52.4	56.0	64.2	64.7	68.5	70.9	72.9	74.2	74.4	74.7	74.8	75.1	75.1	75.4
≥ 3000		48.3	54.9	58.7	67.7	68.3	72.3	74.8	76.9	78.2	78.4	78.7	78.8	79.[illegible]	79.[illegible]	79.4
≥ 2500		51.8	57.7	61.6	71.4	71.9	76.3	78.9	81.1	82.4	82.6	82.9	83.0	83.2	83.2	83.5
≥ 2000		53.1	60.5	64.9	77.3	78.1	82.6	85.6	87.8	89.1	89.4	89.7	89.8	90.0	90.[illegible]	90.3
≥ 1800		53.4	60.9	65.4	77.7	78.6	83.3	86.3	88.6	89.9	90.1	90.4	90.5	90.8	90.8	91.1
≥ 1500		53.9	61.6	66.7	79.6	80.5	85.6	88.7	91.1	92.6	92.8	93.3	93.4	93.7	93.7	94.[illegible]
≥ 1200		54.2	62.5	67.4	80.5	81.5	86.9	90.1	92.6	94.2	94.4	95.1	95.2	95.4	95.4	95.7
≥ 1000		54.3	62.7	67.6	81.1	82.0	87.4	91.0	93.5	95.2	95.4	96.0	96.1	96.3	96.3	96.7
≥ 900		54.3	62.9	68.0	81.4	82.4	87.7	91.4	94.0	95.7	96.1	96.8	96.9	97.1	97.1	97.4
≥ 800		54.3	63.0	68.1	81.9	83.1	88.6	92.3	94.8	96.6	97.1	97.8	98.[illegible]	98.2	98.2	98.5
≥ 700		54.3	63.1	68.1	81.9	83.1	88.7	92.4	94.9	97.0	97.6	98.4	98.5	98.7	98.7	99.[illegible]
≥ 600		54.3	63.1	68.2	82.0	83.2	88.8	92.5	95.1	97.2	97.8	98.7	98.8	99.[illegible]	99.[illegible]	99.4
≥ 500		54.3	63.1	68.2	82.0	83.2	88.8	92.5	95.1	97.2	97.8	98.7	98.9	99.1	99.1	99.5
≥ 400		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.0	98.8	99.0	99.2	99.2	99.6
≥ 300		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.[illegible]	98.8	99.[illegible]	99.4	99.5	99.8
≥ 200		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.[illegible]	98.8	99.[illegible]	99.4	99.5	99.9
≥ 100		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.[illegible]	98.8	99.0	99.4	99.5	99.9
≥ 0		54.3	63.1	68.2	82.0	83.2	88.9	92.6	95.2	97.3	98.0	98.8	99.0	99.4	99.5	100.

TOTAL NUMBER OF OBSERVATIONS 93

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

...AL CLIMATOLOGY BRANCH
...ETAC
AI... EATHER SERVICE/MAC

CEILING VERSUS VISI

3... 4... | HEIDELBERG AAF GL | 63-70,74-80
STATION | STATION NAME | YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1...

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥
NO CEILING		23.7	25.1	26.7	29.7	29.9	30.6	31.2	31.4	31.7	31.8	31.8	31.8	31.8	31
≥ 20000		29.5	31.4	33.1	37.2	37.4	38.5	39.1	39.4	39.7	39.8	39.8	39.8	39.8	39
≥ 18000		30.1	32.0	33.7	38.0	38.2	39.2	39.9	40.1	40.4	40.5	40.5	40.5	40.5	40
≥ 16000		30.1	32.0	33.7	38.0	38.2	39.2	39.9	40.1	40.4	40.5	40.5	40.5	40.5	40
≥ 14000		31.0	33.0	34.6	39.1	39.4	40.4	41.1	41.3	41.6	41.7	41.7	41.7	41.7	41
≥ 12000		31.3	33.5	35.2	39.8	40.0	41.2	41.8	42.0	42.4	42.5	42.5	42.5	42.5	42
≥ 10000		32.5	35.7	37.8	42.6	42.8	44.2	44.8	45.1	45.4	45.5	45.5	45.5	45.5	45
≥ 9000		34.4	37.6	39.8	44.8	45.1	46.7	47.4	47.6	48.1	48.2	48.2	48.2	48.2	48
≥ 8000		38.2	41.5	43.7	50.0	50.2	52.2	53.3	53.7	54.1	54.2	54.2	54.2	54.2	54
≥ 7000		40.5	44.1	46.3	52.8	53.0	54.9	56.1	56.5	56.9	57.0	57.0	57.0	57.0	57
≥ 6000		40.5	44.1	46.3	52.8	53.0	55.1	56.2	56.6	57.0	57.1	57.1	57.1	57.1	57
≥ 5000		41.9	45.6	48.0	54.4	54.6	56.7	57.8	58.2	58.6	58.7	58.7	58.7	58.7	58
≥ 4500		43.4	47.5	52.0	59.4	59.6	61.6	62.8	63.1	63.5	63.7	63.7	63.7	63.7	63
≥ 4000		46.1	50.4	56.0	64.0	64.2	66.9	68.1	68.4	68.8	68.9	68.9	68.9	68.9	68
≥ 3500		55.7	61.8	63.5	72.2	72.4	75.1	76.2	76.6	77.0	77.1	77.1	77.1	77.1	77
≥ 3000		59.7	65.2	68.2	77.5	77.7	80.6	82.0	82.4	82.8	82.9	82.9	82.9	82.9	82
≥ 2500		63.1	69.6	71.8	81.8	82.2	85.1	86.5	86.8	87.2	87.3	87.3	87.3	87.3	87
≥ 2000		63.4	73.8	77.3	88.5	88.8	92.0	93.4	93.8	94.2	94.3	94.3	94.3	94.3	94
≥ 1800		67.7	74.1	77.6	88.9	89.2	92.5	93.9	94.2	94.6	94.7	94.7	94.7	94.7	94
≥ 1600		68.0	74.3	78.4	89.8	90.1	93.8	95.5	96.1	96.8	96.9	96.9	96.9	96.9	96
≥ 1400		68.1	74.4	78.6	90.5	91.1	94.6	96.5	97.1	97.7	97.8	97.8	97.8	97.8	97
≥ 1200		68.2	74.5	78.7	91.0	91.4	95.1	97.2	97.8	98.5	98.6	98.6	98.6	98.6	98
≥ 1000		68.3	74.6	78.8	91.1	91.5	95.3	97.4	98.2	98.8	99.0	99.1	99.1	99.1	99
≥ 900		68.3	74.6	78.8	91.3	91.7	95.5	97.6	98.4	99.0	99.2	99.4	99.4	99.4	99
≥ 800		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.2	99.5	99.6	99.6	99.6	99
≥ 700		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.8	99.8	99.8	99
≥ 600		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.8	99.8	99.8	99
≥ 500		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99
≥ 400		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99
≥ 300		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99
≥ 200		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99
≥ 100		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99
< 100		68.3	74.6	78.8	91.5	91.9	95.7	97.8	98.6	99.5	99.7	99.9	99.9	99.9	99

TOTAL NUMBER OF OBSERVATIONS _____

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 46	HEIDELBEE G AAF DL	68-70,74-80	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 0-17[illegible]
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		2[illegible].0	3[illegible].[illegible]	31.5	34.0	34.1	34.7	34.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000		34.8	36.8	38.3	41.2	41.3	41.9	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 18000		35.3	37.2	38.8	41.8	41.9	42.6	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 16000		35.5	37.4	39.0	42.0	42.2	42.8	42.9	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000		36.[illegible]	38.1	39.7	42.9	43.1	43.8	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 12000		37.5	39.7	41.4	44.7	44.9	45.6	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000		40.0	42.4	44.5	48.[illegible]	48.2	48.9	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 9000		42.6	45.1	47.3	50.9	51.1	52.4	52.6	53.[illegible]	53.0	53.0	53.0	53.0	53.0	53.0	53.[illegible]
≥ 8000		46.1	49.1	51.4	54.9	55.3	56.7	57.0	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000		49.0	52.0	54.3	58.1	58.4	59.8	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000		50.0	53.0	55.3	59.1	59.5	60.9	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 5000		52.8	55.9	58.6	62.6	62.9	64.3	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500		56.9	6[illegible].[illegible]	62.9	67.3	67.6	69.0	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000		61.1	64.6	67.6	72.4	72.7	74.4	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3500		64.7	68.6	72.[illegible]	77.2	77.5	79.2	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3000		69.6	73.7	77.2	82.7	83.[illegible]	84.8	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500		73.1	77.4	81.4	87.3	87.6	89.8	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000		75.9	80.5	84.6	91.2	91.5	93.7	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800		76.2	81.0	85.1	91.7	92.2	94.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500		76.3	81.1	85.2	92.4	92.8	95.2	96.1	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200		76.7	81.4	85.7	93.0	93.5	95.9	96.9	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		76.9	81.7	86.2	93.7	94.2	96.7	97.6	98.4	98.6	98.6	98.6	98.8	98.8	98.8	98.8
≥ 900		76.9	81.7	86.2	93.7	94.2	96.9	97.8	98.6	98.8	98.8	98.8	99.0	99.0	99.[illegible]	99.[illegible]
≥ 800		76.9	81.7	86.2	93.8	94.3	97.0	98.0	98.7	99.1	99.2	99.2	99.5	99.5	99.5	99.[illegible]
≥ 700		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 600		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 500		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 400		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.0	99.5	99.6	99.6	99.8	99.8	99.8	99.8
≥ 300		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0
≥ 200		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0
≥ 100		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0
≥ 0		76.9	81.7	86.2	93.8	94.3	97.2	98.3	99.1	99.6	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

3 48 — STATION
HEIDELBERG AAF GE — STATION NAME
68-73,74-80 — YEARS
MAR — MONTH
1800-2100 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		33.	33.7	34.6	35.8	35.9	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 20000		37.8	38.9	4 .8	42.2	42.4	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 18000		38.5	39.8	41.6	43.0	43.2	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 6000		38.5	39.8	41.6	43.0	43.2	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 14000		38.8	4 .2	42.0	43.4	43.7	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 2000		39.9	41.7	43.7	45.2	45.4	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000		43.5	45.5	47.6	49.4	49.6	5 .2	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.
≥ 9000		45.6	47.6	49.9	51.6	51.8	52.5	53.0	53.	53.0	53.0	53.0	53.0	53.0	53.	53.
≥ 8000		50.6	53.4	55.8	57.6	58.0	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000		52.6	55.6	58.1	59.9	60.3	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 6000		53.1	56.1	58.6	6 .6	61.1	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000		56.	6 .1	62.6	65.5	65.9	67.5	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500		61.	64.2	66.3	7 .3	70.4	72.0	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000		6 .3	6 .9	71.9	75.5	75.9	77.5	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.
≥ 3500		69.2	73.2	77.1	81.2	81.6	83.2	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000		7 .	76.5	80.5	84.7	85.2	87.0	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2500		74.3	79.4	83.9	89.1	89.6	91.7	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000		75.2	8 .9	85.6	91.1	91.6	94.2	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.
≥ 1800		75.4	81.4	86.1	91.7	92.3	94.8	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.
≥ 1500		75.4	81.7	86.7	92.8	93.3	96.1	96.9	97.	97.3	97.3	97.3	97.3	97.3	97.3	97.
≥ 1200		75.7	82.	87.2	93.9	94.4	97.3	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000		76.0	82.4	87.5	94.2	94.7	97.6	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900		76.0	82.4	87.5	94.2	94.7	97.6	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800		76.0	82.4	87.5	94.2	94.7	97.6	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		76.0	82.4	87.5	94.2	94.8	98.0	98.8	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.
≥ 600		76.0	82.4	87.5	94.2	94.8	98.0	98.8	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500		76.0	82.4	87.5	94.2	94.8	98.0	98.8	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		76.0	82.4	87.5	94.2	94.8	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.
≥ 300		76.0	82.4	87.5	94.2	94.8	98.1	98.9	99.	99.6	99.9	99.9	100.0	100.0	100.0	100.
≥ 200		76.0	82.4	87.5	94.2	94.8	98.1	98.9	99.	99.6	99.9	99.9	100.0	100.0	100.0	100.
≥ 100		76.0	82.4	87.5	94.2	94.8	98.1	98.9	99.	99.6	99.9	99.9	100.0	100.0	100.0	100.
≥ 0		76.0	82.4	87.5	94.2	94.8	98.1	98.9	99.0	99.6	99.9	99.9	100.0	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS 93

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

3[illegible] 4[illegible]	HEIDELBERG AAF [illegible]L	65-71,74-80	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]1[illegible]-23[illegible]
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	<¼
NO CEILING		32.[illegible]	34.4	34.9	36.1	36.1	36.7	36.8	36.[illegible]	36.8	36.8	36.8	36.8	36.8	36.8	36.[illegible]
≥ 20000		37.4	39.6	4[illegible].3	41.7	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000		37.6	39.8	4[illegible].5	41.9	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 5000		37.6	39.8	41.5	41.9	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000		37.6	39.8	41.5	41.9	41.9	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 12000		38.4	40.8	41.5	42.9	42.9	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.[illegible]
≥ 10000		42.4	44.6	46.0	47.6	47.6	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 9000		44.4	47.1	48.3	49.9	49.9	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.[illegible]
≥ 8000		51.2	53.3	54.6	57.0	57.0	57.7	58.0	58.[illegible]	58.[illegible]	58.[illegible]	58.[illegible]	58.[illegible]	58.[illegible]	58.[illegible]	58.[illegible]
≥ 7000		52.[illegible]	54.[illegible]	57.6	60.4	60.5	61.3	61.5	61.[illegible]	61.5	61.[illegible]	61.5	61.5	61.5	61.5	61.[illegible]
≥ 6000		53.9	57.3	58.7	61.5	61.6	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000		57.3	60.9	62.3	65.6	65.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.[illegible]
≥ 4500		62.[illegible]	65.7	67.6	71.7	71.8	72.8	73.0	73.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]
≥ 4000		65.3	69.2	71.9	76.7	76.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.[illegible]
≥ 3500		6[illegible].[illegible]	77.[illegible]	76.[illegible]	81.2	81.4	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.[illegible]
≥ 3000		73.4	78.7	82.[illegible]	87.5	87.7	88.8	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]	89.[illegible]
≥ 2500		75.4	80.9	84.6	90.4	90.6	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2000		76.2	82.7	86.5	92.6	93.0	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.[illegible]
≥ 1800		76.9	83.4	87.2	93.4	93.9	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.[illegible]
≥ 1500		77.4	84.3	88.1	94.9	95.6	97.4	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.[illegible]
≥ 1200		77.6	84.5	88.4	95.7	96.3	98.4	99.0	99.[illegible]	99.1	99.1	99.1	99.1	99.1	99.1	99.[illegible]
≥ 1000		77.6	84.5	88.4	95.9	96.6	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.[illegible]
≥ 900		77.6	84.5	88.4	95.9	96.6	98.6	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.[illegible]
≥ 800		77.6	84.5	88.4	95.9	96.6	98.7	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.[illegible]
≥ 700		77.6	84.5	88.4	95.9	96.6	98.7	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600		77.6	84.5	88.4	95.9	96.6	98.7	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.[illegible]
≥ 300		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.[illegible]
≥ 200		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.[illegible]
≥ 100		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.[illegible]
≥ 0		77.7	84.6	88.5	96.0	96.7	98.8	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 93

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

3[illegible] 4[illegible]	HEIDELBERG AAF GE	68-70,74-[illegible]	MAR
STATION	STATION NAME	YEARS	MONTH

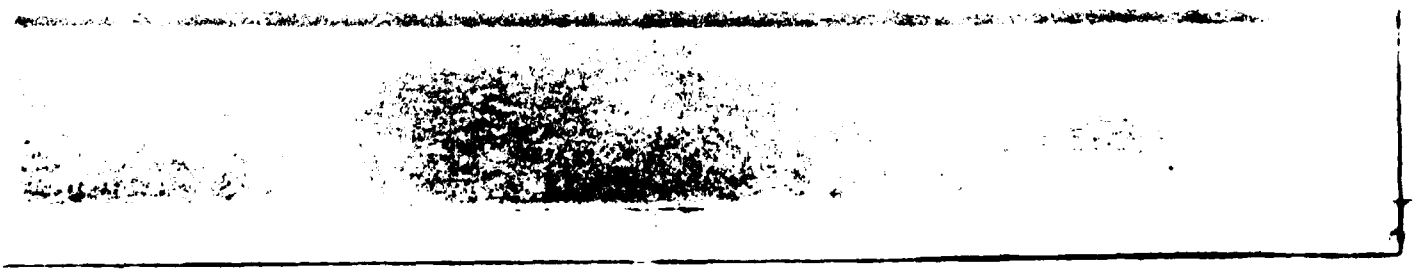
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING		[illegible].2	33.[illegible]	31.2	33.4	33.6	34.5	34.9	35.2	35.5	35.6	35.7	35.7	35.7	35.7	[illegible].7
≥ 20000		72.2	34.7	36.2	38.9	39.1	40.3	40.8	41.1	41.5	41.6	41.6	41.6	41.7	41.7	41.[illegible]
≥ 18000		32.5	35.0	36.6	39.3	39.5	40.6	41.2	41.5	41.8	41.9	42.[illegible]	42.[illegible]	42.[illegible]	42.1	42.[illegible]
≥ 16000		32.6	35.0	36.6	39.3	39.5	40.7	41.2	41.5	41.9	42.[illegible]	42.0	42.0	42.1	42.1	42.[illegible]
≥ 14000		33.0	35.5	37.0	39.9	40.1	41.2	41.7	42.1	42.4	42.5	42.6	42.6	42.6	42.7	42.[illegible]
≥ 12000		33.7	36.4	38.0	40.9	41.0	42.2	42.7	43.1	43.4	43.5	43.6	43.6	43.6	43.6	43.[illegible]
≥ 10000		35.2	39.2	41.2	44.3	44.5	45.8	46.4	46.8	47.1	47.3	47.3	47.4	47.4	47.4	47.[illegible]
≥ 9000		36.3	41.5	43.5	46.9	47.0	48.4	49.1	49.5	49.8	49.9	50.0	50.0	50.1	50.1	[illegible]
≥ 8000		43.2	46.7	48.9	52.7	53.0	54.7	55.5	56.[illegible]	56.4	56.5	56.6	56.6	56.7	56.7	56.[illegible]
≥ 7000		45.6	49.2	51.5	55.6	55.9	57.7	58.5	59.[illegible]	59.4	59.6	59.6	59.7	59.7	59.7	59.[illegible]
≥ 6000		48.4	52.1	54.4	58.6	58.9	60.8	61.7	62.1	62.6	62.7	62.8	62.8	62.8	62.9	63.[illegible]
≥ 5000		49.4	53.3	55.7	60.1	60.4	62.4	63.2	63.7	64.2	64.3	64.4	64.4	64.4	64.5	64.[illegible]
≥ 4500		53.1	57.2	59.8	64.7	65.0	67.1	68.1	68.5	69.0	69.1	69.2	69.2	69.3	69.3	69.4
≥ 4000		55.1	61.[illegible]	63.5	69.0	69.4	71.7	72.7	73.2	73.6	73.7	73.8	73.9	73.9	73.9	74.[illegible]
≥ 3500		61.4	65.2	68.5	74.6	75.0	77.3	78.4	78.9	79.4	79.5	79.6	79.7	79.7	79.7	79.[illegible]
≥ 3000		63.8	69.2	72.7	79.2	79.5	82.0	83.1	83.7	84.3	84.4	84.5	84.5	84.6	84.6	84.[illegible]
≥ 2500		66.4	72.1	75.9	83.1	83.3	86.1	87.2	87.8	88.4	88.5	88.6	88.6	88.7	88.7	88.[illegible]
≥ 2000		68.8	75.1	79.3	87.3	87.7	90.9	92.2	92.8	93.4	93.6	93.7	93.7	93.7	93.7	93.[illegible]
≥ 1800		69.1	75.6	79.8	88.0	88.4	91.6	93.1	93.6	94.2	94.3	94.4	94.5	94.5	94.5	94.[illegible]
≥ 1500		69.6	76.3	80.6	89.3	89.9	93.3	94.7	95.5	96.2	96.3	96.4	96.5	96.5	96.5	96.7
≥ 1200		69.9	76.7	81.1	90.2	90.8	94.3	95.8	96.6	97.4	97.5	97.6	97.7	97.7	97.7	97.[illegible]
≥ 1000		70.0	76.9	81.3	90.6	91.2	94.7	96.3	97.1	97.9	98.[illegible]	98.1	98.2	98.3	98.3	98.4
≥ 900		70.0	76.9	81.4	90.7	91.2	94.9	96.5	97.3	98.1	98.3	98.5	98.5	98.6	98.6	98.[illegible]
≥ 800		70.0	76.9	81.4	90.8	91.4	95.1	96.7	97.5	98.4	98.6	98.8	98.8	98.9	98.9	99.[illegible]
≥ 700		70.0	76.9	81.4	90.9	91.5	95.3	96.9	97.7	98.6	98.9	99.1	99.1	99.2	99.2	99.3
≥ 600		70.1	77.0	81.5	91.0	91.6	95.4	97.0	97.8	98.8	99.1	99.3	99.3	99.4	99.4	99.5
≥ 500		70.1	77.1	81.6	91.0	91.7	95.4	97.1	97.9	99.0	99.2	99.5	99.5	99.6	99.6	99.7
≥ 400		70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.0	99.0	99.3	99.5	99.6	99.7	99.7	99.[illegible]
≥ 300		70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.0	99.0	99.3	99.5	99.7	99.7	99.8	99.9
≥ 200		70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.[illegible]	99.0	99.3	99.5	99.7	99.7	99.8	100.[illegible]
≥ 100		70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.0	99.0	99.3	99.5	99.7	99.7	99.8	100.0
≥ 0		70.1	77.1	81.6	91.0	91.7	95.5	97.1	98.0	99.0	99.3	99.5	99.7	99.7	99.8	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 7439

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 46	FIDDLETOWN AAF OK	68-70,74-80	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING		47.2	47.9	48.3	48.9	49.0	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 20000		52.2	52.9	53.6	54.2	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9
≥ 18000		52.2	52.9	53.8	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000		52.2	52.9	53.8	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 4000		52.2	52.9	53.8	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 2000		52.8	53.4	54.3	55.1	55.2	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 1000		56.8	57.6	58.6	59.3	59.4	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.
≥ 900		56.8	57.6	58.6	61.3	62.2	62.3	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9
≥ 800		66.7	67.4	69.6	70.7	70.8	71.1	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 700		66.6	70.1	71.7	72.8	72.9	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 600		67.1	70.6	72.2	73.3	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.
≥ 500		71.1	72.7	74.3	75.4	75.6	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 450		75.4	77.2	78.9	80.1	80.2	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 400		77.9	79.9	82.2	83.4	83.6	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 300		81.1	83.6	85.9	87.1	87.2	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 200		83.2	85.9	88.4	89.8	89.9	90.3	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1500		84.9	87.9	90.4	91.8	91.9	92.3	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000		87.3	90.6	93.1	94.4	94.6	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 800		87.4	90.8	93.3	94.7	94.8	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600		88.3	91.7	94.2	95.9	96.0	96.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200		88.7	92.1	94.9	96.6	96.7	97.1	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1000		88.7	92.3	95.1	96.9	97.1	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		88.7	92.3	95.1	96.9	97.1	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800		88.7	92.3	95.1	97.0	97.2	97.7	97.9	98.0	98.2	98.2	98.6	98.6	98.6	98.6	98.6
≥ 700		88.9	92.6	95.3	97.2	97.4	98.2	98.4	98.6	98.8	98.8	99.1	99.1	99.1	99.1	99.1
≥ 600		88.9	92.9	95.7	97.6	97.8	98.6	98.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4
≥ 500		88.9	92.9	95.7	97.6	97.8	98.6	98.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4
≥ 400		88.9	92.9	95.7	97.6	97.8	98.6	99.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9
≥ 300		88.9	92.9	95.7	97.6	97.8	98.6	99.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9
≥ 200		88.9	92.9	95.7	97.6	97.8	98.6	99.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9
≥ 100		88.9	92.9	95.7	97.6	97.8	98.6	99.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9
≥ 0		89.0	93.0	95.8	97.7	97.9	98.7	99.1	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

...AL CLIMATOLOGY BRANCH
...TAC
A... EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3... 4...	...EIDELBERG AAF ...L	48-70, 74-81	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

...3... - 05...
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING		41.7	4...9	4...4	45.0	45.0	45.2	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.6	45.6
≥ 20000		46.3	47.7	48.3	50.0	50.0	50.3	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.7	50.7
≥ 18000		46.6	47.9	48.6	5...2	5...2	5...6	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.9	50.9
≥ 16000		46.6	47.9	48.6	5...2	5...2	5...6	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.9	50.9
≥ 14000		46.9	48.2	48.9	5...6	50.6	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.2	51.2
≥ 12000		47.2	48.6	49.3	51.0	51.0	51.3	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.7	51.7
≥ 10000		50.3	51.4	52.7	54.7	54.7	55.0	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.4	55.4
≥ 9000		52.2	53.4	55.0	57.3	57.3	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.2	58.2
≥ 8000		57.7	59.7	61.0	63.4	63.4	63.9	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.4	64.4
≥ 7000		61.4	62.6	64.1	66.6	66.6	67.0	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.6	67.6
≥ 6000		61.9	64.1	65.6	68.0	68.0	68.4	68.8	68.8	68.8	68.9	68.9	68.9	68.9	69.1	69.1
≥ 5000		64.7	66.9	68.6	71.0	71.0	71.4	71.8	71.8	71.8	71.9	71.9	71.9	71.9	72.2	72.2
≥ 4500		67.4	71.1	73.7	76.3	76.3	77.0	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.7	77.7
≥ 4000		72.1	74.7	76.9	79.7	79.7	80.3	80.8	80.8	80.8	80.9	80.9	80.9	80.9	81.1	81.1
≥ 3500		75.9	78.9	81.3	84.1	84.1	84.8	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.6	85.6
≥ 3000		77.9	81.0	83.4	86.8	86.8	87.4	87.9	87.9	88.0	88.1	88.1	88.1	88.1	88.3	88.3
≥ 2500		79.6	83.0	85.7	89.0	89.0	89.7	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.4	90.4
≥ 2000		81.8	85.3	88.2	91.9	91.9	92.9	93.4	93.4	93.6	93.7	93.7	93.7	93.7	93.8	93.8
≥ 1800		81.9	85.4	88.4	92.3	92.3	93.3	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.2	94.2
≥ 1500		83.0	86.7	89.6	94.0	94.0	95.1	95.7	95.7	95.8	95.9	96.1	96.1	96.1	96.2	96.2
≥ 1200		83.2	87.1	90.4	94.4	94.4	95.7	96.2	96.3	96.4	96.6	96.8	96.8	96.8	96.9	96.9
≥ 1000		83.2	87.1	90.6	95.0	95.0	96.3	96.9	97.0	97.1	97.2	97.4	97.4	97.4	97.6	97.6
≥ 900		83.4	87.4	90.9	95.3	95.3	96.7	97.2	97.3	97.4	97.6	97.8	97.8	97.8	97.9	97.9
≥ 800		83.6	87.6	91.0	95.4	95.4	96.8	97.3	97.4	97.6	97.7	98.0	98.0	98.0	98.1	98.1
≥ 700		83.8	87.8	91.2	95.7	95.7	97.2	97.8	97.9	98.0	98.1	98.4	98.4	98.4	98.6	98.6
≥ 600		83.8	87.8	91.3	95.8	95.8	97.3	97.9	98.0	98.1	98.2	98.6	98.6	98.6	98.7	98.7
≥ 500		83.8	87.8	91.3	95.9	95.9	97.7	98.2	98.3	98.4	98.6	98.9	98.9	98.9	99.0	99.0
≥ 400		83.8	87.8	91.3	95.9	95.9	98.1	98.8	99.1	99.2	99.3	99.7	99.7	99.7	99.8	99.8
≥ 300		83.8	87.8	91.3	95.9	95.9	98.1	98.8	99.2	99.3	99.4	99.8	99.8	99.8	99.9	99.9
≥ 200		83.8	87.8	91.3	95.9	95.9	98.2	98.9	99.3	99.4	99.6	99.9	99.9	99.9	100.0	100.0
≥ 100		83.8	87.8	91.3	95.9	95.9	98.2	98.9	99.3	99.4	99.6	99.9	99.9	99.9	100.0	100.0
≥ 0		83.8	87.8	91.3	95.9	95.9	98.2	98.9	99.3	99.4	99.6	99.9	99.9	99.9	0.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

34 4'	HEIDELBERG AAF DL	68-7[illegible], 74-8[illegible]	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]6[illegible]- 8[illegible]
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	<¼
NO CEILING		35.[illegible]	38.3	41.6	43.6	44.2	44.7	44.7	44.7	44.8	45.1	45.1	45.1	45.1	45.2	45.[illegible]
≥ 20000		37.4	41.[illegible]	43.6	47.1	47.6	48.4	48.4	48.4	48.5	48.7	48.7	48.7	48.7	48.9	49.1
≥ 18000		37.5	41.5	43.8	47.3	47.8	48.7	48.7	48.7	48.8	49.1	49.1	49.1	49.1	49.3	49.4
≥ 6000		37.6	41.6	43.9	47.4	47.9	48.8	48.8	48.8	48.9	49.2	49.2	49.2	49.2	49.4	49.5
≥ 14000		37.7	41.8	44.2	47.6	48.2	49.1	49.1	49.1	49.2	49.4	49.4	49.4	49.4	49.6	49.7
≥ [illegible]		37.9	42.[illegible]	44.4	47.8	48.4	49.3	49.3	49.3	49.4	49.6	49.6	49.6	49.6	49.8	49.9
≥ 12000		40.4	44.7	47.2	50.9	51.5	52.4	52.5	52.5	52.6	52.8	52.8	52.8	52.8	53.1	53.2
≥ 9000		41.7	46.2	48.6	52.8	53.4	54.3	54.4	54.4	54.5	54.7	54.7	54.7	54.7	54.9	55.1
≥ 8000		47.1	[illegible]9.6	55.3	60.1	60.6	62.0	62.2	62.2	62.3	62.5	62.5	62.5	62.5	62.7	[illegible]3.0
≥ 7000		48.7	54.0	57.0	62.5	63.1	64.4	64.6	64.6	64.7	65.0	65.0	65.0	65.0	65.2	65.4
≥ 6000		49.2	55.4	58.5	63.4	64.0	65.4	65.6	65.6	65.7	66.[illegible]	66.[illegible]	66.0	66.[illegible]	66.2	66.4
≥ 5000		51.5	58.2	61.3	66.6	67.3	68.7	69.1	69.1	69.2	69.4	69.4	69.4	69.4	69.6	69.9
≥ 4500		54.[illegible]	61.4	64.2	70.4	71.1	72.6	73.1	73.2	73.3	73.5	73.5	73.5	73.5	73.7	74.[illegible]
≥ 4000		57.1	64.5	68.1	73.7	74.4	76.3	76.8	76.9	77.0	77.2	77.2	77.2	77.2	77.4	77.6
≥ 3500		[illegible]1.[illegible]	67.7	71.9	77.5	78.2	80.1	80.5	80.6	80.8	81.0	81.0	81.0	81.0	81.2	81.4
≥ 3000		61.4	69.7	74.[illegible]	80.[illegible]	80.6	82.6	83.2	83.3	83.4	83.8	83.8	83.8	83.8	84.0	84.[illegible]
≥ 2500		62.7	71.5	76.3	82.6	83.4	86.2	86.8	86.9	87.[illegible]	87.3	87.3	87.3	87.3	87.5	87.[illegible]
≥ 2000		65.4	74.7	79.9	86.7	87.4	91.0	91.7	91.8	92.2	92.5	92.5	92.5	92.5	92.[illegible]	93.[illegible]
≥ 1800		65.6	75.1	81.2	87.2	88.1	91.7	92.3	92.4	93.[illegible]	93.3	93.3	93.3	93.3	93.5	[illegible]3.[illegible]
≥ 1500		66.9	76.5	81.8	89.0	90.0	93.8	94.7	94.9	95.6	95.9	95.9	95.9	95.9	96.1	[illegible]6.3
≥ 1200		67.[illegible]	76.8	82.1	89.3	90.3	94.2	95.1	95.3	96.0	96.3	96.3	96.3	96.3	96.6	[illegible]6.8
≥ 1000		67.3	77.1	82.3	89.5	90.5	94.5	95.6	96.[illegible]	96.8	97.1	97.1	97.1	97.1	97.3	97.6
≥ 900		67.4	77.1	82.4	89.7	90.7	94.7	95.8	96.3	97.1	97.4	97.4	97.4	97.4	97.7	97.9
≥ 800		67.4	77.1	82.4	89.7	90.7	94.7	95.9	96.4	97.2	97.6	97.7	97.7	97.7	97.9	98.1
≥ 700		67.4	77.1	82.4	89.7	90.7	94.7	95.9	96.4	97.3	97.7	97.8	97.8	97.8	98.[illegible]	98.[illegible]
≥ 600		67.4	77.2	82.5	89.8	90.8	94.8	96.0	96.7	97.6	97.9	98.0	98.0	98.0	98.2	98.4
≥ 500		67.4	77.2	82.5	89.8	90.8	94.9	96.1	96.8	97.7	98.0	98.1	98.1	98.1	98.3	98.6
≥ 400		67.4	77.2	82.5	89.8	90.8	94.9	96.2	96.9	98.2	98.6	98.7	98.7	98.6	99.[illegible]	99.4
≥ 300		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.1	99.3	99.8
≥ 200		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.1	99.3	99.9
≥ 100		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.1	99.3	[illegible]0.0
≥ 0		67.4	77.2	82.5	89.8	90.8	94.9	96.3	97.0	98.6	98.9	99.0	99.0	99.1	99.3	[illegible]0.[illegible]

TOTAL NUMBER OF OBSERVATIONS 899

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

...AL CLIMATOLOGY BRANCH
...TAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 40	...EIDELBE... G AAF ...L	68-70,74-80	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

...900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
...ILING		34.4	37.	39.0	41.6	41.9	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.7
≥ 20000		37.	4 .1	42.4	46.3	46.8	47.3	47.6	47.8	47.9	47.9	47.9	48.0	48.0	48.	48.1
≥ 1800		37.2	4 .5	42.9	46.8	47.2	47.8	48.0	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.6
≥ 5		37.2	4 .5	42.9	46.8	47.2	47.8	48.0	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.6
≥ 4000		37.6	41.	43.4	47.3	47.8	48.4	48.7	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.3
≥ 2900		38.1	41.5	44.0	48.0	48.4	49.1	49.3	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.9
≥ 2000		39.0	42.4	45.1	49.3	49.8	5 .4	50.7	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.2
≥ 1900		40.3	44.1	46.9	51.1	51.6	52.2	52.6	52.	52.9	52.9	52.9	53.0	53.0	53.	53.1
≥ 1800		46.1	50.2	53.5	58.8	59.4	60.1	60.6	60.8	60.9	60.9	60.9	61.0	61.0	61.	61.1
≥ 1700		47.1	51.2	54.5	59.8	60.4	61.1	61.6	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.2
≥ 1600		47.7	51.8	55.1	60.5	61.0	61.9	62.4	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.
≥ 1500		49.9	54.1	57.7	63.0	63.6	64.5	64.9	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6
≥ 1450		54.7	59.4	63.0	68.6	69.2	70.2	70.7	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.4
≥ 1400		57.7	62.5	66.5	72.4	73.1	74.2	74.7	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.4
≥ 1350		62.6	67.6	71.7	78.1	78.7	79.8	80.4	80.7	80.8	80.8	80.8	81.0	81.0	81.1	81.1
≥ 1300		65.5	7 .7	75.1	81.7	82.4	83.6	84.3	84.6	84.7	84.7	84.7	84.9	84.9	84.9	85.1
≥ 1250		67.1	72.6	77.2	84.1	84.7	86.2	86.9	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.6
≥ 2000		7 .3	76.1	8 .6	89.3	89.6	92.2	93.2	93.5	93.8	93.8	93.8	93.9	93.9	93.9	94.
≥ 800		70.5	76.3	8 .6	89.2	89.9	92.4	93.7	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.5
≥ 1500		71.3	77.5	82.2	90.8	91.4	94.4	95.7	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.5
≥ 1200		71.4	77.6	82.5	91.2	91.9	95.0	96.3	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.2
≥ 1000		71.6	77.8	83.1	92.3	93.0	96.1	97.4	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.4
≥ 900		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.
≥ 800		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.
≥ 700		71.6	78.2	83.4	92.7	93.4	96.5	97.9	98.4	98.8	98.8	98.8	98.9	98.9	98.9	99.
≥ 600		71.6	78.2	83.4	92.7	93.4	96.5	98.1	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.4
≥ 500		71.6	78.2	83.4	92.7	93.4	96.5	98.1	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7
≥ 400		71.6	78.2	83.4	92.7	93.4	96.7	98.2	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.9
≥ 300		71.6	78.2	83.4	92.7	93.4	96.7	98.2	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.9
≥ 200		71.6	78.2	83.4	92.7	93.4	96.7	98.2	99.	99.7	99.8	99.8	99.9	99.9	99.9	0.
≥ 100		71.6	78.2	83.4	92.7	93.4	96.7	98.2	99.0	99.7	99.8	99.8	99.9	99.9	99.9	00.0
≥ 0		71.6	78.2	83.4	92.7	93.4	96.7	98.2	99.0	99.7	99.8	99.8	99.9	99.9	99.9	00.

TOTAL NUMBER OF OBSERVATIONS 89...

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30 4[illegible]	HEIDELBERG AAF DL	68-70,74-80	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		37.8	38.7	38.9	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000		44.[illegible]	45.2	45.6	47.3	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000		44.3	45.4	45.8	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000		44.3	45.4	45.8	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000		44.3	45.4	45.8	47.5	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 12000		45.1	46.2	46.6	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000		46.3	47.7	48.2	50.2	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 9000		47.8	49.5	50.1	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 8000		51.6	53.4	54.4	56.6	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 7000		52.7	54.5	55.5	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 6000		52.9	54.7	55.7	58.1	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 5000		55.6	57.5	58.5	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 4500		61.7	63.8	65.0	67.6	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000		66.5	68.9	70.2	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500		75.0	77.3	78.6	82.1	82.3	82.9	83.0	83.[illegible]	83.0	83.0	83.0	83.0	83.[illegible]	83.[illegible]	83.[illegible]
≥ 3000		79.2	81.9	83.4	86.9	87.1	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500		80.8	83.5	85.3	89.1	89.3	90.2	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2000		83.6	86.9	89.1	93.9	94.1	95.1	95.2	95.3	95.4	95.4	95.4	95.[illegible]	95.4	95.4	95.4
≥ 1800		83.9	87.3	89.7	94.7	94.9	95.9	96.0	96.1	96.2	96.2	96.2	96.2	[illegible].2	96.2	96.3
≥ 1500		84.3	88.[illegible]	90.5	95.7	95.9	97.1	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		85.[illegible]	88.9	91.5	96.9	97.1	98.4	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		85.[illegible]	88.9	91.5	96.9	97.1	98.4	98.9	99.[illegible]	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		85.1	89.[illegible]	91.7	97.0	97.2	98.6	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		85.1	89.3	92.0	97.3	97.6	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		85.1	89.3	92.0	97.3	97.6	99.0	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		85.1	89.3	92.0	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		85.1	89.3	92.[illegible]	97.3	97.6	99.[illegible]	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		85.1	89.3	92.[illegible]	97.3	97.6	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 895

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

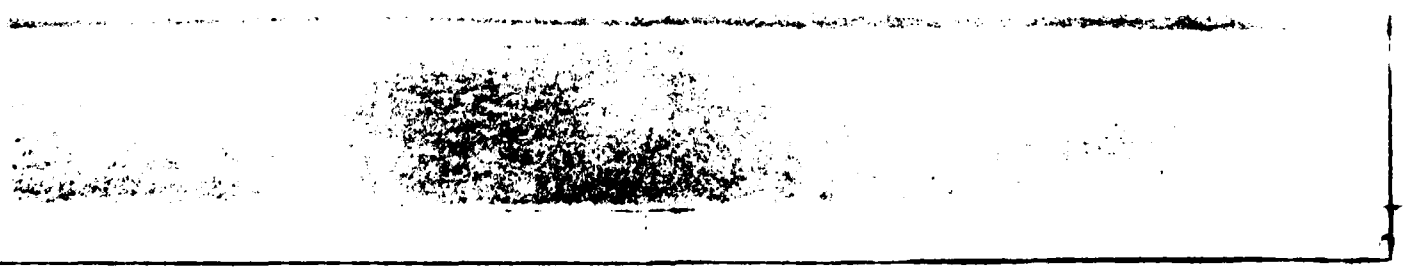
34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
APR — MONTH
1500-1700 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		39.5	39.8	40.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000		45.9	46.3	46.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000		46.2	46.5	46.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 16000		46.2	46.5	46.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 14000		46.3	46.6	46.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000		47.1	47.4	47.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 10000		50.1	50.6	51.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 9000		51.7	52.4	52.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000		57.3	58.1	58.6	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000		59.2	60.0	60.5	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000		60.6	61.4	62.1	63.8	63.8	64.0	64.0	64.0	64.0	64.	64.0	64.0	64.0	64.0	64.0
≥ 5000		64.2	65.0	65.6	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4500		69.7	69.5	7 .2	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4000		74.2	75.1	75.8	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500		8 .2	81.1	81.9	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000		84.4	85.7	86.4	88.8	88.8	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500		87.0	88.8	89.8	92.4	92.4	92.7	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000		89.9	92.1	93.8	97.0	97.0	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800		89.9	92.2	94.0	97.7	97.7	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		89.9	92.2	94.1	98.0	98.0	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200		90.0	92.3	94.3	98.2	98.2	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		90.0	92.3	94.4	98.3	98.3	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		90.0	92.5	94.7	98.6	98.6	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 600		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 500		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0		90.0	92.7	94.8	98.7	98.7	99.3	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 4[illegible] | HOLLOMAN AAF NM | 63-70,74-81 | APR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		43.2	44.	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000		51.3	51.6	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000		51.7	51.9	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		51.7	51.9	52.4	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000		51.9	52.1	52.7	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000		53.1	53.3	53.9	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000		56.2	57.0	57.9	58.7	58.7	59.0	59.0	59.[illegible]	59.0	59.[illegible]	59.0	59.0	59.[illegible]	59.[illegible]	59.[illegible]
≥ 9000		59.1	59.3	60.2	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000		66.3	66.9	67.9	68.8	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.
≥ 7000		66.2	66.9	69.9	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 6000		69.1	69.8	70.8	71.7	71.7	72.0	72.0	72.[illegible]	72.0	72.[illegible]	72.0	72.0	72.0	72.[illegible]	72.[illegible]
≥ 5000		72.1	72.8	73.9	74.9	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500		74.9	75.6	76.7	78.0	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 4000		8[illegible].6	81.6	32.6	84.1	84.1	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500		83.8	85.1	86.8	88.2	88.2	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3000		86.1	87.8	89.7	91.2	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500		87.2	89.1	92.2	93.9	93.9	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000		98.6	9[illegible].4	94.2	97.1	97.1	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1800		98.8	90.7	94.4	97.3	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.[illegible]
≥ 1500		89.0	91.0	95.1	98.2	98.2	98.7	98.9	99.[illegible]	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		89.1	91.1	95.3	98.4	98.4	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		89.1	91.1	95.3	98.4	98.4	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900		89.1	91.1	95.3	98.4	98.4	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 0		89.1	91.2	95.6	98.7	98.7	99.1	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS [illegible]9[illegible]

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

38 46	HEIDELBERG AAF GE	68-70, 74-80	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		46.9	47.1	47.4	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000		51.2	51.4	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000		51.2	51.4	52.0	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000		51.3	51.6	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000		51.4	51.7	52.2	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000		52.8	53.1	53.7	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000		57.9	58.1	58.8	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 9000		60.7	61.1	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000		69.0	69.8	70.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 7000		71.4	71.2	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000		71.4	72.2	73.1	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		75.2	75.9	76.8	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4500		78.6	79.6	80.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000		82.1	83.3	84.6	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3500		86.2	86.6	88.4	89.3	89.3	89.3	89.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3000		87.2	88.8	90.8	91.6	91.6	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500		93.3	94.3	92.9	93.9	93.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2000		95.0	92.4	95.3	96.4	96.4	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		90.5	92.8	95.7	97.0	97.0	97.0	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		90.9	93.1	96.2	97.7	97.7	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200		91.9	93.2	96.4	98.0	98.0	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6
≥ 600		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.7
≥ 500		90.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.4	99.4	99.7	99.8	99.8	99.8	99.8
≥ 400		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 300		90.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 200		90.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 100		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0
≥ 0		91.9	93.3	96.5	98.2	98.2	98.6	99.0	99.0	99.7	99.7	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 893



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4x	HEIDELBERG AAF GE	68-70, 74-80	APR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

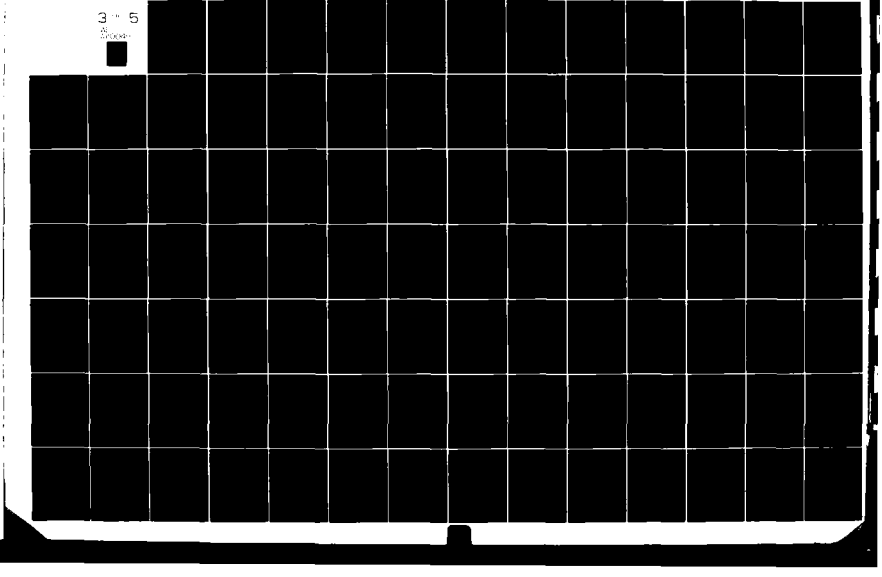
ALL
HOURS (L.S.T.)

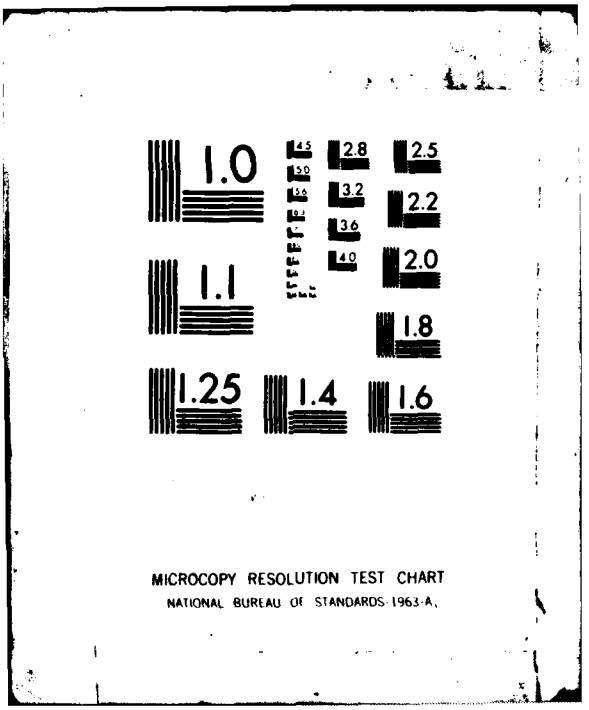
CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥
NO CEILING		42.6	43.0	42.6	44.3	44.4	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44
≥ 20000		45.7	47.0	48.0	49.8	50.0	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.5	5
≥ 18000		45.9	47.3	48.3	50.1	50.2	50.5	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	5
≥ 16000		45.9	47.3	48.3	50.1	50.3	50.5	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.8	5
≥ 14000		46.0	47.5	48.5	50.3	50.5	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	5
≥ 12000		46.8	48.2	49.2	51.1	51.2	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.7	51.7	5
≥ 10000		49.7	51.2	52.4	54.4	54.6	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.2	5
≥ 9000		51.6	53.3	54.6	56.7	56.9	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	5
≥ 8000		57.7	59.8	61.4	63.8	64.0	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7	6
≥ 7000		59.4	61.6	63.2	65.7	65.8	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	6
≥ 6000		61.3	62.5	64.1	66.6	66.8	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.6	6
≥ 5000		63.	65.4	67.1	69.6	69.8	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6	7
≥ 4500		67.3	69.8	71.7	74.3	74.5	75.1	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	7
≥ 4000		71.0	73.6	75.9	78.8	79.	79.6	79.8	79.9	79.9	79.9	79.9	80.0	80.0	80.0	8
≥ 3500		75.5	78.9	80.8	83.9	84.	84.7	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	8
≥ 3000		78.1	81.4	83.9	87.1	87.3	88.0	88.4	88.4	88.5	88.6	88.6	88.6	88.6	88.6	8
≥ 2500		81.7	83.3	86.2	89.6	89.8	90.7	91.0	91.1	91.2	91.3	91.3	91.3	91.3	91.3	9
≥ 2000		82.1	84.1	89.3	93.3	93.5	94.7	95.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	9
≥ 1800		82.3	86.3	89.6	93.8	94.0	95.1	95.6	95.7	95.9	95.9	95.9	95.9	95.9	96.	9
≥ 1500		82.9	87.1	90.5	94.9	95.1	96.5	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	9
≥ 1200		83.2	87.4	90.9	95.4	95.6	97.1	97.6	97.8	98.0	98.1	98.1	98.1	98.1	98.1	9
≥ 1000		83.2	87.5	91.1	95.7	96.0	97.4	98.0	98.2	98.4	98.5	98.5	98.5	98.5	98.6	9
≥ 900		83.3	87.6	91.3	95.8	96.1	97.6	98.2	98.4	98.7	98.7	98.7	98.8	98.8	98.9	9
≥ 800		83.3	87.7	91.4	96.0	96.2	97.7	98.3	98.5	98.8	98.9	99.0	99.0	99.0	99.0	9
≥ 700		83.3	87.8	91.4	96.0	96.3	97.8	98.4	98.7	98.9	99.	99.1	99.2	99.2	99.2	9
≥ 600		83.3	87.8	91.5	96.1	96.4	97.9	98.6	98.8	99.1	99.2	99.3	99.3	99.3	99.4	9
≥ 500		83.3	87.8	91.5	96.1	96.4	98.0	98.6	98.9	99.2	99.3	99.4	99.5	99.5	99.5	9
≥ 400		83.3	87.8	91.5	96.1	96.4	98.0	98.7	99.1	99.5	99.6	99.7	99.7	99.7	99.8	9
≥ 300		83.3	87.8	91.5	96.1	96.4	98.0	98.7	99.1	99.6	99.6	99.8	99.8	99.8	99.9	9
≥ 200		83.3	87.8	91.5	96.1	96.4	98.0	98.8	99.1	99.6	99.7	99.8	99.8	99.8	99.9	1
≥ 100		83.3	87.8	91.5	96.1	96.4	98.0	98.8	99.1	99.6	99.7	99.8	99.8	99.8	99.9	1
≥ 0		83.4	87.8	91.5	96.1	96.4	98.1	98.8	99.1	99.6	99.7	99.8	99.8	99.9	99.9	1

TOTAL NUMBER OF OBSERVATIONS 71

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

AD-A110 049 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81
UNCLASSIFIED USAFETAC/DS-81/090 SBI-AD-E850 119 NL




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

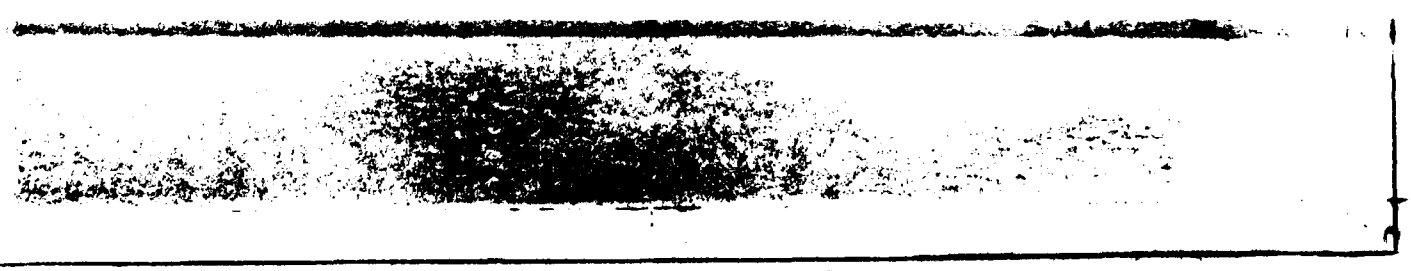
33 46	HEIDELBERG AAF GE	68-70,74-83	MAY	0000-0200
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		48.9	49.9	50.3	51.0	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000		50.3	51.4	51.9	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000		50.5	51.6	52.2	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000		50.5	51.6	52.2	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000		50.8	51.8	52.4	53.0	53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000		51.2	52.3	52.8	53.4	53.4	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000		56.6	57.8	58.6	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 9000		58.5	59.9	60.6	61.5	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000		70.1	71.9	73.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		73.5	75.4	76.7	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 6000		74.3	76.1	77.5	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000		76.6	78.5	80.0	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		78.9	81.3	83.2	84.3	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4000		81.5	84.2	86.2	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3500		83.0	86.2	88.6	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000		84.4	87.7	90.2	91.6	91.7	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500		84.7	88.1	90.6	92.2	92.3	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2000		85.9	89.6	92.3	94.0	94.1	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800		86.2	89.9	92.7	94.5	94.6	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500		86.5	90.3	93.2	95.1	95.3	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200		86.5	90.3	93.2	95.1	95.3	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000		86.5	90.5	93.4	95.6	95.8	96.9	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		86.5	90.8	93.8	95.9	96.1	97.2	97.3	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		86.6	91.0	94.0	96.1	96.3	97.4	97.5	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700		86.7	91.1	94.1	96.2	96.5	97.5	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		86.7	91.3	94.3	96.5	96.7	97.7	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500		86.7	91.3	94.3	96.5	96.7	98.1	98.5	98.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400		86.7	91.3	94.3	96.5	96.7	98.1	98.6	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		86.7	91.3	94.3	96.5	96.7	98.2	98.7	99.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		86.7	91.3	94.3	96.5	96.7	98.2	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.7	91.3	94.3	96.5	96.7	98.2	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.7	91.3	94.3	96.5	96.7	98.2	98.8	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4c (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		42.9	44.8	45.9	47.6	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2
≥ 20000		45.7	47.7	49.0	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 18000		45.7	47.7	49.0	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 16000		45.7	47.7	49.0	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 14000		45.7	47.7	49.1	51.1	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
≥ 12000		46.8	48.9	50.2	52.5	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 10000		50.3	52.6	54.1	56.6	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 9000		53.7	56.1	57.8	60.4	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1
≥ 8000		61.6	64.4	66.3	69.5	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.2
≥ 7000		64.5	67.7	69.7	72.9	73.1	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.9
≥ 6000		65.2	68.4	70.4	74.0	74.2	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.8	74.8	74.9
≥ 5000		68.3	71.8	74.1	77.7	78.3	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.2
≥ 4500		70.5	74.6	76.9	81.1	81.6	82.2	82.3	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.6
≥ 4000		73.4	78.1	80.6	84.8	85.4	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.3
≥ 3500		75.3	80.3	82.9	87.2	87.7	88.3	88.4	88.4	88.6	88.6	88.6	88.6	88.7	88.7	88.8
≥ 3000		76.0	81.5	84.2	88.7	89.4	90.1	90.2	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.6
≥ 2500		77.0	82.5	85.2	89.8	90.4	91.2	91.3	91.3	91.5	91.5	91.5	91.5	91.6	91.6	91.7
≥ 2000		77.5	83.4	86.2	91.0	91.8	92.8	92.9	92.9	93.2	93.2	93.2	93.2	93.3	93.3	93.4
≥ 1800		77.5	83.5	86.6	91.4	92.3	93.2	93.3	93.3	93.7	93.7	93.7	93.7	93.8	93.8	93.9
≥ 1500		78.1	84.1	87.3	92.3	93.1	94.3	94.4	94.4	94.7	94.7	94.7	94.7	94.8	94.8	94.9
≥ 1200		78.1	84.2	87.4	92.6	93.4	95.1	95.3	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.9
≥ 1000		78.1	84.2	87.4	93.1	94.0	96.0	96.5	96.6	96.9	96.9	96.9	96.9	97.0	97.0	97.1
≥ 900		78.4	84.6	87.8	93.5	94.4	96.5	96.9	97.0	97.4	97.4	97.4	97.4	97.5	97.5	97.6
≥ 800		78.5	84.8	88.2	94.0	94.9	97.0	97.4	97.5	98.0	98.0	98.0	98.0	98.1	98.1	98.2
≥ 700		78.5	84.8	88.2	94.0	94.9	97.0	97.8	98.0	98.4	98.4	98.4	98.4	98.5	98.5	98.6
≥ 600		78.5	85.1	88.4	94.3	95.3	97.3	98.2	98.3	98.9	98.9	98.9	98.9	99.0	99.0	99.1
≥ 500		78.5	85.1	88.4	94.3	95.3	97.6	98.5	98.6	99.4	99.4	99.4	99.4	99.5	99.5	99.6
≥ 400		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 300		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.6	99.6	99.7	99.7	99.8
≥ 200		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.7	99.7	99.8	99.9	100.0
≥ 100		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.7	99.7	99.8	99.9	100.0
≥ 0		78.5	85.1	88.4	94.3	95.3	97.6	98.6	98.7	99.6	99.6	99.7	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 931

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | MAY (MONTH)

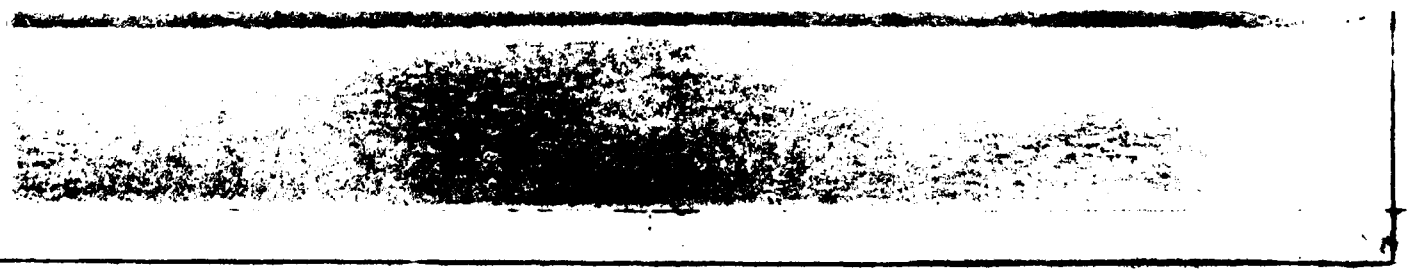
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		34.8	37.[illegible]	39.6	42.0	42.4	43.3	43.5	43.7	44.0	44.0	44.0	44.0	44.0	44.[illegible]	44.[illegible]
≥ 20000		38.2	41.3	42.9	46.0	46.5	47.5	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000		38.2	41.3	42.9	46.0	46.5	47.5	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000		38.2	41.3	42.9	46.0	46.5	47.5	48.1	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 14000		38.5	41.6	43.3	46.9	47.3	48.4	48.9	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000		39.1	41.5	44.4	48.3	48.7	49.8	50.3	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000		43.5	46.8	50.1	54.4	54.8	56.1	56.7	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000		45.9	49.2	52.7	57.3	57.7	59.[illegible]	59.6	59.7	60.0	60.0	60.0	60.0	60.0	60.[illegible]	60.[illegible]
≥ 8000		50.2	54.3	59.0	64.9	65.4	66.8	67.5	67.6	68.0	68.0	68.0	68.0	68.0	68.[illegible]	68.[illegible]
≥ 7000		53.2	57.6	62.4	68.3	68.7	70.1	71.0	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000		54.0	58.4	63.2	69.2	69.7	71.1	72.0	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 5000		56.9	61.3	66.1	72.5	73.1	74.7	75.9	76.[illegible]	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500		58.9	63.7	68.6	75.2	75.8	77.6	78.8	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4000		61.6	66.5	71.8	78.7	79.4	81.2	82.5	82.6	83.[illegible]	83.[illegible]	83.0	83.0	83.[illegible]	83.[illegible]	83.[illegible]
≥ 3500		63.9	68.9	74.4	81.4	82.0	84.1	85.4	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 3000		64.4	69.6	75.2	82.3	82.9	85.6	86.9	87.[illegible]	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500		65.2	70.9	76.5	83.9	84.5	87.3	88.6	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2000		66.6	73.0	79.2	87.3	88.1	91.1	92.5	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1800		66.6	73.0	79.2	87.3	88.1	91.1	92.5	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500		66.7	73.2	79.6	88.1	88.8	91.8	93.2	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1200		66.8	73.4	79.9	88.8	89.6	92.9	94.5	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000		66.8	73.4	80.0	89.2	90.1	93.4	95.1	95.4	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900		66.8	73.5	80.2	89.6	90.4	93.8	95.4	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		66.8	73.8	80.4	90.1	91.0	94.5	96.1	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700		66.8	73.9	80.5	90.4	91.3	95.2	96.8	97.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		66.8	73.9	80.5	90.6	91.5	95.4	97.0	97.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.5	99.6	99.6	99.6	99.6	99.6
≥ 300		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.6	99.7	99.7	99.7	99.7	99.7
≥ 200		66.8	73.9	80.5	90.8	91.6	95.5	97.2	97.7	99.4	99.6	99.7	99.7	99.8	99.8	99.9
≥ 100		66.8	73.9	80.5	90.8	91.6	95.5	97.3	97.8	99.5	99.7	99.8	99.8	99.9	99.9	100.0
≥ 0		66.8	73.9	80.5	90.8	91.6	95.5	97.3	97.8	99.5	99.7	99.8	99.8	99.9	99.9	0.[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | MAY (MONTH)

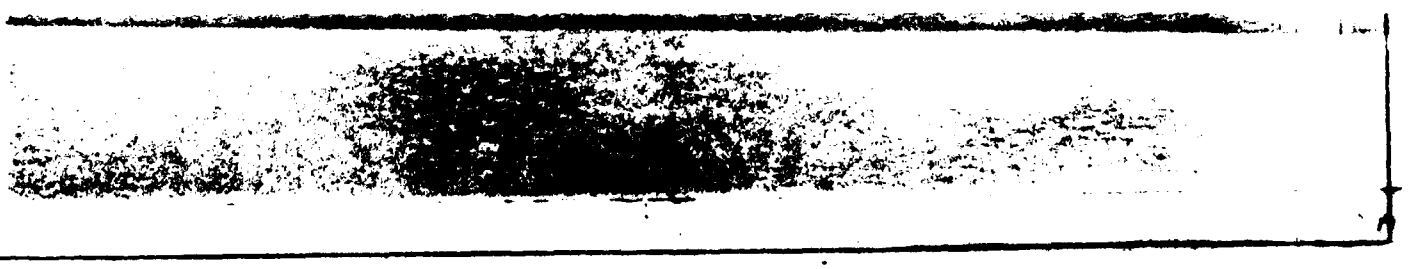
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		38.5	41.0	41.0	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		44.0	45.6	46.6	49.1	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000		44.4	46.0	47.0	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 16000		44.4	46.1	47.1	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000		44.8	46.6	47.6	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 12000		45.7	47.4	48.5	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000		48.7	50.4	51.8	55.4	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000		50.8	52.7	54.1	57.8	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 8000		56.0	58.7	60.6	65.3	65.5	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000		57.4	60.1	62.2	66.9	67.1	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000		58.2	60.9	62.9	67.6	67.8	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 5000		60.6	63.4	65.6	70.4	70.6	71.5	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500		62.3	65.4	68.0	72.9	73.2	74.1	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000		64.9	68.3	71.4	76.5	76.8	77.6	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500		69.4	72.8	76.2	81.6	81.9	82.9	83.5	83.5	83.8	83.8	83.8	83.8	83.9	83.9	83.9
≥ 3000		72.0	75.9	79.5	85.3	85.6	86.7	87.3	87.3	87.5	87.5	87.5	87.5	87.6	87.6	87.6
≥ 2500		73.2	77.4	81.1	87.1	87.6	89.1	89.8	89.8	90.0	90.0	90.0	90.0	90.1	90.1	90.1
≥ 2000		73.9	78.8	82.8	89.4	89.9	91.7	92.4	92.5	92.7	92.7	92.7	92.7	92.8	92.8	92.8
≥ 1800		74.0	79.1	83.2	89.8	90.3	92.2	92.9	93.0	93.2	93.2	93.2	93.2	93.3	93.3	93.3
≥ 1500		74.3	79.7	83.9	91.4	91.9	93.8	95.2	95.3	95.5	95.5	95.5	95.5	95.6	95.6	95.6
≥ 1200		74.8	80.3	84.5	92.3	92.8	94.8	96.2	96.3	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 1000		74.8	80.3	84.7	92.8	93.3	95.4	96.8	96.9	97.2	97.2	97.2	97.2	97.3	97.3	97.3
≥ 900		75.3	81.0	85.4	93.4	94.0	96.0	97.5	97.6	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 800		75.4	81.2	85.6	93.7	94.2	96.2	97.7	97.8	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 700		75.5	81.4	85.8	94.2	94.8	97.0	98.6	98.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 600		75.5	81.4	85.8	94.2	94.8	97.0	98.6	98.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 500		75.5	81.4	85.8	94.2	94.8	97.0	98.8	99.1	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400		75.5	81.4	85.8	94.2	94.8	97.0	98.9	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 300		75.5	81.4	85.8	94.2	94.8	97.0	98.9	99.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 200		75.5	81.4	85.8	94.2	94.8	97.0	98.9	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100		75.5	81.4	85.8	94.2	94.8	97.0	98.9	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0		75.5	81.4	85.8	94.2	94.8	97.0	98.9	99.2	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

34 46	HEIDELBERG AAF DL	68-70,74-80	MAY	1200-1400
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		41.8	41.8	42.4	42.9	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4
≥ 20000		46.0	47.2	47.7	48.5	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0
≥ 18000		46.1	47.4	48.0	48.8	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.4
≥ 16000		46.2	47.5	48.1	48.9	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5
≥ 14000		46.8	48.1	48.6	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0
≥ 12000		48.1	49.5	50.1	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5
≥ 10000		49.8	51.3	52.0	53.0	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5
≥ 9000		50.8	52.5	53.2	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
≥ 8000		56.2	58.0	58.8	60.3	60.6	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
≥ 7000		58.1	59.9	60.8	62.3	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 6000		59.2	61.1	61.9	63.4	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4
≥ 5000		62.8	64.7	65.7	67.2	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
≥ 4500		68.6	71.3	72.7	74.2	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3
≥ 4000		73.3	76.3	78.0	79.8	80.1	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
≥ 3500		80.1	83.2	84.9	87.0	87.3	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5
≥ 3000		82.3	85.4	87.2	89.4	89.7	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
≥ 2500		83.3	87.1	88.8	91.2	91.5	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 2000		83.9	88.0	90.0	93.1	93.4	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥ 1800		84.1	88.3	90.3	93.4	93.8	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 1500		84.5	88.9	91.1	94.2	94.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.5
≥ 1200		84.7	89.4	91.6	95.3	95.7	97.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1
≥ 1000		84.7	89.4	91.6	95.3	95.7	97.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
≥ 900		84.8	89.8	92.0	95.9	96.3	97.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 800		84.8	89.8	92.0	95.9	96.5	98.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
≥ 700		84.8	89.8	92.2	96.2	96.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 600		84.8	89.8	92.2	96.2	96.8	98.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 500		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 400		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0		84.8	89.8	92.2	96.2	96.8	98.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH
1500-1700 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		42.7	42.9	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		48.3	48.6	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000		48.8	49.1	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000		48.8	49.1	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000		49.9	50.2	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 12000		50.9	51.2	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000		54.5	54.8	54.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 9000		57.1	57.4	57.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 8000		64.6	65.1	65.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000		66.6	67.2	67.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000		67.8	68.7	69.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 5000		72.3	73.1	73.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 4500		77.0	78.2	79.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000		81.4	82.8	83.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500		87.0	88.6	89.5	91.8	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000		88.7	90.5	91.4	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500		89.5	91.3	92.2	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 2000		90.4	92.5	93.7	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		90.8	92.8	94.0	97.0	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		90.9	93.1	94.3	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1200		90.9	93.1	94.3	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		90.9	93.1	94.3	97.5	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		90.9	93.2	94.6	97.8	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800		90.9	93.3	94.7	98.5	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700		90.9	93.3	94.7	98.5	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		90.9	93.3	94.7	98.6	98.6	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		90.9	93.3	94.7	98.8	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF GL	68-70,74-80	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		44.6	45.1	45.1	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000		51.3	51.8	51.8	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000		51.7	52.3	52.3	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 16000		51.8	52.4	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000		52.0	52.6	52.6	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000		53.5	54.1	54.1	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000		57.1	57.6	57.8	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000		61.0	61.7	61.9	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 8000		68.4	69.5	69.8	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 7000		70.5	71.6	71.9	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000		71.8	72.9	73.2	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000		76.0	77.3	77.8	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4500		80.5	82.0	82.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000		84.3	85.8	86.7	87.8	87.8	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500		87.5	89.[illegible]	89.9	91.1	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000		89.9	91.4	92.4	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500		90.8	92.3	93.2	95.1	95.1	95.6	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000		91.4	92.9	94.1	95.9	95.9	96.5	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		91.5	93.2	94.4	96.2	96.2	96.8	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500		91.7	93.4	94.8	96.8	96.8	97.4	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		91.7	93.7	95.2	97.2	97.2	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000		91.7	93.7	95.2	97.2	97.2	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900		91.7	93.7	95.2	97.2	97.2	97.8	98.2	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800		91.7	93.7	95.3	97.5	97.5	98.2	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700		91.7	93.8	95.6	98.0	98.0	98.6	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		91.7	93.8	95.7	98.3	98.3	98.9	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

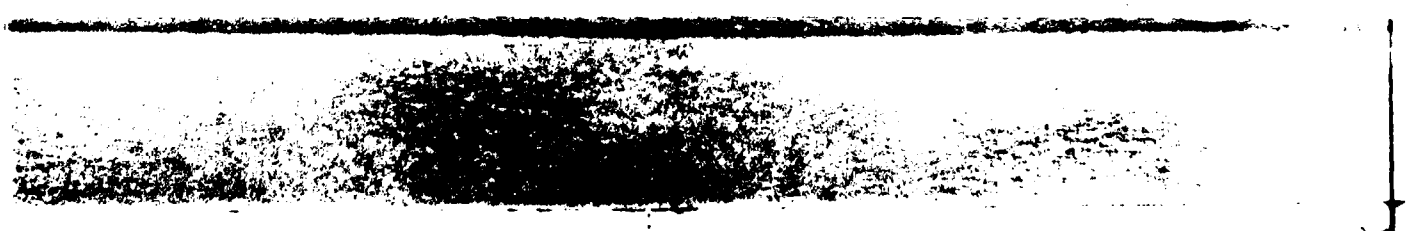
34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH
2100-2300 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		48.6	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000		51.7	52.3	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 18000		51.9	52.5	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000		51.9	52.5	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000		52.6	53.1	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 12000		53.0	53.5	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 10000		57.5	58.3	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 9000		60.3	61.2	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000		68.2	69.7	69.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		70.8	72.3	72.4	73.0	73.0	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 6000		71.6	73.1	73.2	74.0	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		75.7	77.5	78.1	78.8	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4500		78.8	80.9	81.8	82.8	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4000		82.6	84.8	85.8	86.8	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 3500		85.3	87.7	88.7	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 3000		87.5	90.3	91.3	92.8	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2500		88.9	91.8	92.8	94.3	94.3	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000		89.9	93.0	94.0	95.5	95.5	95.6	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800		89.9	93.0	94.0	95.5	95.5	95.6	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500		90.1	93.5	94.5	96.0	96.0	96.1	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200		90.1	93.7	94.6	96.2	96.2	96.3	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000		90.1	93.8	94.8	96.5	96.5	96.7	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900		90.1	93.8	94.8	96.5	96.5	96.7	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800		90.1	94.1	95.2	97.0	97.0	97.2	98.1	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		90.2	94.2	95.4	97.3	97.3	97.5	98.5	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		90.2	94.2	95.5	97.4	97.4	97.8	98.9	99.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40	HEIDELBERG AAF DL	68-70,74-80	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		42.7	43.6	44.5	45.5	45.6	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.
≥ 20000		46.9	48.1	48.9	50.2	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
≥ 18000		47.2	48.4	49.1	50.4	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0
≥ 16000		47.2	48.4	49.2	50.5	50.6	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000		47.6	48.8	49.6	51.0	51.1	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000		48.5	49.8	50.6	52.1	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000		52.3	53.7	54.7	56.5	56.6	56.9	56.9	57.	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000		54.7	56.3	57.4	59.2	59.4	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000		61.9	63.9	65.4	67.7	67.8	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5
≥ 7000		64.3	66.5	67.9	70.3	70.5	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
≥ 6000		65.3	67.4	69.0	71.4	71.6	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000		68.6	71.0	72.6	75.2	75.4	75.9	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4500		71.9	74.7	76.6	79.4	79.6	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6
≥ 4000		75.4	78.3	80.5	83.4	83.7	84.2	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500		78.9	82.1	84.4	87.4	87.7	88.3	88.6	88.6	88.7	88.7	88.7	88.7	88.8	88.8	88.8
≥ 3000		80.7	84.0	86.4	89.8	90.0	90.7	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3
≥ 2500		81.6	85.1	87.5	91.0	91.3	92.2	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2000		82.4	86.4	89.0	92.8	93.2	94.2	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	95.1
≥ 1800		82.6	86.6	89.3	93.1	93.5	94.5	95.0	95.0	95.2	95.2	95.2	95.2	95.3	95.3	95.3
≥ 1500		82.8	87.0	89.8	93.9	94.2	95.4	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200		82.9	87.3	90.1	94.4	94.7	96.1	96.7	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1
≥ 1000		82.9	87.3	90.2	94.7	95.0	96.4	97.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 900		83.1	87.5	90.5	95.0	95.3	96.8	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	98.0
≥ 800		83.1	87.7	90.7	95.3	95.7	97.3	98.0	98.1	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 700		83.1	87.8	90.8	95.6	96.0	97.6	98.5	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 600		83.1	87.8	90.9	95.8	96.2	97.8	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.5
≥ 500		83.1	87.8	90.9	95.8	96.2	97.9	98.9	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		83.1	87.8	90.9	95.8	96.2	97.9	98.9	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 300		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 200		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.8	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0		83.1	87.8	90.9	95.8	96.2	97.9	99.0	99.2	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		48.2	48.8	49.3	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4
≥ 20000		51.4	52.3	52.9	53.3	53.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
≥ 18000		51.6	52.4	53.	53.4	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 16000		51.6	52.4	53.0	53.4	53.4	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 14000		51.8	52.7	53.2	53.7	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4
≥ 12000		53.6	54.7	55.2	55.7	55.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4
≥ 10000		56.3	57.6	58.1	58.6	58.6	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4
≥ 9000		58.6	60.0	60.6	61.0	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
≥ 8000		68.6	70.6	71.6	72.1	72.1	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
≥ 7000		70.6	72.8	74.0	74.6	74.6	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
≥ 6000		71.0	73.2	74.4	75.0	75.0	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1
≥ 5000		75.2	77.4	78.9	79.8	79.8	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0
≥ 4500		79.1	81.6	83.0	84.0	84.0	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.2	85.2
≥ 4000		80.6	83.2	84.9	86.3	86.3	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.6	87.6
≥ 3500		82.7	86.1	87.8	90.0	90.0	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2
≥ 3000		84.2	87.9	89.9	92.4	92.4	93.4	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.8	93.8
≥ 2500		84.9	88.8	90.8	93.4	93.4	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 2000		85.2	89.2	91.6	94.4	94.4	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
≥ 1800		85.2	89.2	91.6	94.9	94.9	95.9	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.7	96.7
≥ 1500		85.2	89.2	91.6	95.1	95.1	96.4	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.2	97.2
≥ 1200		85.6	89.6	92.0	95.6	95.6	96.9	97.1	97.1	97.9	97.9	97.9	97.9	97.9	98.0	98.0
≥ 1000		85.7	89.7	92.1	95.7	95.7	97.0	97.3	97.4	98.2	98.2	98.2	98.2	98.2	98.3	[illegible].3
≥ 900		85.9	90.0	92.4	96.0	96.0	97.3	97.8	98.0	98.8	98.9	98.9	98.9	98.9	99.0	99.0
≥ 800		86.1	90.2	92.7	96.2	96.2	97.6	98.0	98.2	99.0	99.1	99.1	99.1	99.1	99.2	99.2
≥ 700		86.1	90.2	92.7	96.4	96.4	97.8	98.2	98.4	99.2	99.3	99.3	99.3	99.3	99.4	99.4
≥ 600		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 500		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 400		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300		86.3	90.4	92.9	96.7	96.7	98.0	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 200		86.3	90.4	92.9	96.7	96.8	98.1	98.6	98.8	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 100		86.3	90.4	92.9	96.7	96.8	98.1	98.6	98.8	99.6	99.7	99.7	99.7	99.7	99.8	99.8
≥ 0		86.3	90.4	92.9	96.7	96.8	98.1	98.6	98.8	99.6	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

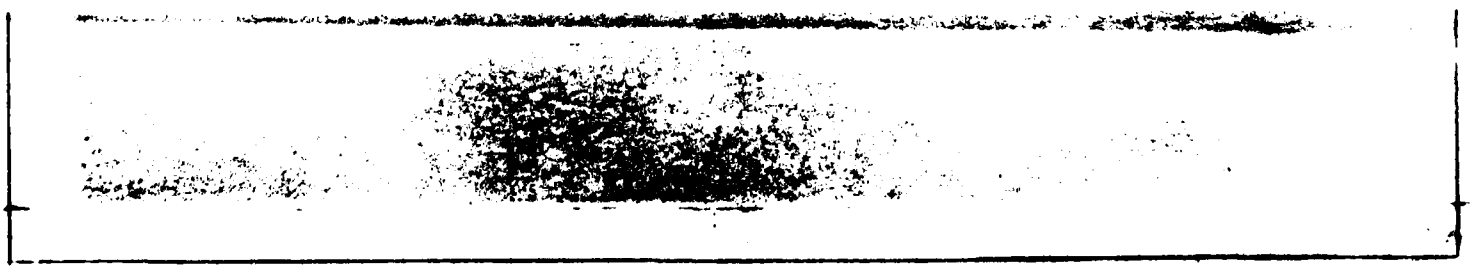
CEILING VERSUS VISIBILITY

3[illegible]46	HEIDELBERG AAF DL	68-70,74-80	JUN	[illegible]300-0500
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		39.4	4[illegible].9	4[illegible].7	44.4	44.6	45.4	45.8	45.9	46.0	46.1	46.2	46.2	46.2	46.2	46.4
≥ 20000		42.8	44.6	46.4	48.3	48.4	49.3	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.3
≥ 18000		42.8	44.6	46.4	48.3	48.4	49.3	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.3
≥ 16000		42.8	44.6	46.4	48.3	48.4	49.3	49.7	49.8	49.9	50.0	50.1	50.1	50.1	50.1	50.3
≥ 14000		43.[illegible]	44.8	46.8	48.7	48.8	49.7	50.0	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.7
≥ 12000		44.2	46.[illegible]	48.0	49.9	50.0	50.9	51.2	51.3	51.4	51.6	51.7	51.7	51.7	51.7	51.9
≥ 10000		48.1	50.0	52.1	54.2	54.3	55.6	55.9	56.[illegible]	56.1	56.2	56.3	56.3	56.3	56.3	56.6
≥ 9000		50.7	52.6	54.8	57.0	57.1	58.6	58.9	59.[illegible]	59.1	59.2	59.3	59.3	59.3	59.3	59.6
≥ 8000		59.2	61.6	64.8	67.7	67.8	69.4	69.8	69.9	70.0	70.1	70.2	70.2	70.2	70.2	70.4
≥ 7000		60.8	63.1	66.3	69.3	69.4	71.2	71.6	71.7	71.8	71.9	72.0	72.0	72.0	72.0	72.2
≥ 6000		61.6	63.9	67.1	70.2	70.3	72.1	72.4	72.6	72.7	72.8	72.9	72.9	72.9	72.9	73.1
≥ 5000		65.1	68.3	71.9	75.4	75.6	77.4	77.8	77.9	78.0	78.1	78.2	78.2	78.2	78.2	78.4
≥ 4500		67.3	7[illegible].8	74.3	78.1	78.2	80.2	80.6	80.7	80.8	80.9	81.0	81.0	81.0	81.0	81.2
≥ 4000		69.1	73.[illegible]	76.6	80.6	80.7	82.8	83.1	83.2	83.4	83.6	83.7	83.7	83.7	83.7	83.9
≥ 3500		71.[illegible]	75.[illegible]	79.0	83.4	83.6	85.9	86.2	86.3	86.6	86.7	86.8	86.8	86.8	86.8	87.0
≥ 3000		72.8	77.2	81.2	85.9	86.1	88.4	88.8	88.9	89.1	89.2	89.3	89.3	89.3	89.3	89.6
≥ 2500		73.3	78.1	82.2	86.9	87.1	89.6	90.1	90.3	90.7	90.8	90.9	90.9	90.9	90.9	91.1
≥ 2000		74.0	79.1	83.7	89.1	89.4	92.1	92.9	93.1	93.6	93.7	93.8	93.8	93.8	93.8	94.[illegible]
≥ 1800		74.0	79.1	83.7	89.4	89.8	92.4	93.6	93.8	94.6	94.7	94.8	94.8	94.8	94.8	95.[illegible]
≥ 1500		74.0	79.1	83.8	89.8	90.2	92.9	94.0	94.3	95.2	95.3	95.4	95.4	95.4	95.4	95.7
≥ 1200		74.1	79.4	84.3	90.6	91.0	93.8	95.0	95.3	96.6	96.7	96.8	96.8	96.8	96.8	97.[illegible]
≥ 1000		74.3	79.[illegible]	84.6	90.8	91.2	94.0	95.2	95.6	96.8	96.9	97.[illegible]	97.0	97.0	97.[illegible]	97.2
≥ 900		74.3	79.7	84.6	90.8	91.2	94.1	95.3	95.7	96.9	97.[illegible]	97.1	97.1	97.1	97.1	97.3
≥ 800		74.4	79.8	84.8	91.0	91.4	94.3	95.6	96.1	97.3	97.4	97.6	97.6	97.6	97.6	97.8
≥ 700		74.7	80.0	85.1	91.3	91.8	94.7	95.9	96.4	97.7	97.8	97.9	97.9	97.9	97.9	98.1
≥ 600		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.8	98.9	99.0	99.0	99.0	99.[illegible]	99.2
≥ 500		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.1	99.1	99.1	99.1	99.3
≥ 400		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.[illegible]	99.1	99.1	99.1	99.1	99.3
≥ 300		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.1	99.1	99.1	99.1	99.3
≥ 200		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.2	99.2	99.3	99.3	99.6
≥ 100		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.2	99.2	99.3	99.3	99.7
≥ 0		74.8	80.1	85.3	92.0	92.4	95.8	97.0	97.6	98.9	99.0	99.2	99.3	99.4	99.7	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 43 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		35.2	38.2	40.2	44.2	44.3	45.7	45.8	45.8	46.0	46.0	46.1	46.1	46.1	46.1	46.2
≥ 20000		38.8	42.4	44.6	48.7	48.8	50.2	50.3	50.3	50.6	50.6	50.7	50.7	50.7	50.7	50.8
≥ 18000		38.9	42.6	44.7	48.8	48.9	50.3	50.4	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.9
≥ 16000		38.9	42.6	44.7	48.8	48.9	50.3	50.4	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.9
≥ 14000		39.2	42.9	45.0	49.1	49.2	50.7	50.8	50.8	51.0	51.0	51.1	51.1	51.1	51.1	51.2
≥ 12000		40.2	43.9	46.0	50.4	50.6	52.1	52.2	52.2	52.4	52.4	52.6	52.6	52.6	52.6	52.7
≥ 10000		43.3	47.2	49.3	54.2	54.3	55.9	56.1	56.1	56.3	56.3	56.4	56.4	56.4	56.4	56.6
≥ 9000		45.6	49.9	52.1	57.2	57.3	59.2	59.4	59.4	59.7	59.7	59.8	59.8	59.8	59.8	59.9
≥ 8000		49.9	54.7	57.2	63.4	63.6	65.7	66.0	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.4
≥ 7000		51.7	56.4	59.1	65.4	65.6	67.9	68.2	68.3	68.7	68.7	68.8	68.8	68.8	68.8	68.9
≥ 6000		52.6	57.4	60.1	66.6	66.7	69.0	69.4	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.1
≥ 5000		56.3	61.9	64.9	71.6	71.8	74.1	74.7	74.8	75.2	75.2	75.3	75.3	75.3	75.3	75.4
≥ 4500		58.6	64.6	67.9	75.3	75.6	78.0	78.6	78.7	79.1	79.1	79.2	79.2	79.2	79.2	79.3
≥ 4000		61.4	66.7	70.2	78.1	78.3	80.9	81.4	81.6	82.1	82.1	82.2	82.2	82.2	82.2	82.3
≥ 3500		61.9	68.1	71.8	80.2	80.4	83.0	83.7	83.8	84.3	84.3	84.4	84.4	84.4	84.4	84.6
≥ 3000		63.7	70.3	74.3	82.6	82.9	85.7	86.6	86.7	87.2	87.2	87.3	87.3	87.3	87.3	87.4
≥ 2500		64.3	70.7	74.8	83.7	84.0	87.3	88.3	88.4	89.0	89.0	89.1	89.1	89.1	89.1	89.2
≥ 2000		65.4	72.2	76.6	85.9	86.2	89.8	90.9	91.0	91.6	91.6	91.7	91.7	91.7	91.7	91.8
≥ 1800		65.4	72.2	76.8	86.2	86.6	90.2	91.4	91.6	92.1	92.1	92.2	92.2	92.2	92.2	92.3
≥ 1500		66.0	72.8	77.6	87.2	87.6	91.2	92.6	92.8	93.4	93.4	93.6	93.6	93.6	93.6	93.7
≥ 1200		66.1	72.9	78.1	87.9	88.3	92.2	93.7	94.1	94.8	94.8	94.9	94.9	94.9	94.9	95.[illegible]
≥ 1000		66.3	73.1	78.3	88.4	88.9	92.8	94.2	94.7	95.4	95.4	95.6	95.6	95.6	95.6	95.7
≥ 900		66.6	73.4	78.7	88.9	89.3	93.2	94.7	95.1	95.9	95.9	96.0	96.0	96.0	96.[illegible]	96.1
≥ 800		66.7	73.9	79.3	89.8	90.2	94.1	95.8	96.2	97.0	97.0	97.1	97.1	97.1	97.1	97.2
≥ 700		66.7	73.9	79.3	90.0	90.4	94.3	96.1	96.6	97.3	97.3	97.4	97.4	97.4	97.4	97.6
≥ 600		66.7	73.9	79.3	90.2	90.7	94.6	96.4	96.9	97.8	97.8	97.9	97.9	97.9	97.9	98.[illegible]
≥ 500		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.2	98.2	98.3	98.3	98.3	98.3	98.4
≥ 400		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.4	98.6	98.7	98.7	98.7	98.7	98.9
≥ 300		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.8	98.9	98.9	98.9	98.9	99.2
≥ 200		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.8	99.1	99.1	99.1	99.1	99.4
≥ 100		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.9	99.2	99.3	99.3	99.3	99.8
≥ 0		66.7	73.9	79.3	90.2	90.8	94.8	96.8	97.2	98.7	98.9	99.2	99.3	99.4	99.6	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 9[illegible]

USAF ETAC FORM JUL 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 4[illegible]	HEIDELBERG AAF GE	68-70,74-80	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		38.2	4[illegible].1	41.3	44.3	44.6	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000		43.0	45.2	46.6	49.9	50.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000		43.[illegible]	45.2	46.6	49.9	50.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000		43.[illegible]	45.2	46.6	49.9	50.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000		43.3	45.6	46.9	50.2	50.4	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 12000		44.2	46.4	47.9	51.7	51.9	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000		46.3	48.8	50.2	54.2	54.4	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000		50.4	53.0	54.6	58.6	58.8	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 8000		55.3	58.1	59.9	64.1	64.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000		55.9	58.8	60.6	64.9	65.2	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000		56.8	59.8	61.7	66.1	66.4	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000		60.0	63.3	65.6	70.4	70.8	72.1	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7
≥ 4500		61.7	65.1	67.3	72.3	72.7	74.0	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 4000		65.6	69.2	71.8	76.9	77.2	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 3500		68.6	72.4	75.1	80.7	81.0	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.
≥ 3000		71.7	75.8	78.6	84.6	84.9	86.3	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1
≥ 2500		73.2	77.9	81.0	87.3	87.7	89.1	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥ 2000		75.0	80.3	83.4	90.4	90.9	92.8	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.[illegible]
≥ 1800		75.2	80.7	83.8	90.9	91.3	93.2	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.4
≥ 1500		75.9	81.6	84.8	92.0	92.4	94.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	96.[illegible]
≥ 1200		76.1	81.8	85.2	92.8	93.3	95.7	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.[illegible]	97.1
≥ 1000		76.3	82.0	85.6	93.3	93.9	96.3	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.[illegible]	98.1
≥ 900		76.3	82.0	85.6	93.6	94.1	96.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800		76.3	82.0	85.7	94.0	94.6	97.1	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 700		76.3	82.0	85.8	94.1	94.9	97.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.6
≥ 600		76.3	82.0	85.8	94.1	94.9	97.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.6
≥ 500		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 400		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.9
≥ 300		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.9	99.9	1[illegible].[illegible]
≥ 200		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.[illegible]
≥ 100		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.[illegible]
≥ 0		76.3	82.0	85.8	94.2	95.0	97.6	99.0	99.2	99.7	99.8	99.8	99.8	99.9	99.9	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 9[illegible]

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

3[illegible] 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		37.4	39.[illegible]	39.9	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 20000		43.1	44.9	45.9	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000		43.1	44.9	45.9	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 16000		43.3	45.1	46.1	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000		43.6	45.3	46.4	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000		44.3	46.2	47.3	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 10000		47.3	49.2	50.4	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 9000		50.4	52.3	53.7	54.9	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000		55.2	57.2	58.6	60.0	60.0	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 7000		56.0	58.2	59.6	61.0	61.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000		56.6	58.8	60.1	61.7	61.7	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 5000		62.7	65.1	66.6	68.2	68.2	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500		70.0	72.8	74.2	76.0	76.0	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000		73.4	76.4	78.1	80.1	80.1	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 3500		80.2	83.4	85.2	87.3	87.3	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3000		83.1	86.4	88.4	90.8	90.9	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		85.1	88.9	91.4	94.2	94.3	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 2000		85.9	89.8	92.8	95.9	96.0	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800		86.1	90.0	93.0	96.2	96.3	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1500		86.4	90.3	93.4	97.0	97.1	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200		86.6	90.6	93.7	97.6	97.7	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		86.8	9[illegible].8	93.9	97.9	98.0	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		86.8	9[illegible].8	93.9	97.9	98.0	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		86.8	9[illegible].8	93.9	97.9	98.0	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		86.8	9[illegible].8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		86.8	9[illegible].8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		86.8	9[illegible].8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.8	90.8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.8	9[illegible].8	93.9	97.9	98.0	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CL[illegible]EAL CLIMATOLOGY BRANCH
[illegible]AFETAC
A[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4[illegible]	HEIDELBERG AAF [illegible]	68-70,74-80	JUN
STATION	STATION NAME	YEARS	MONTH

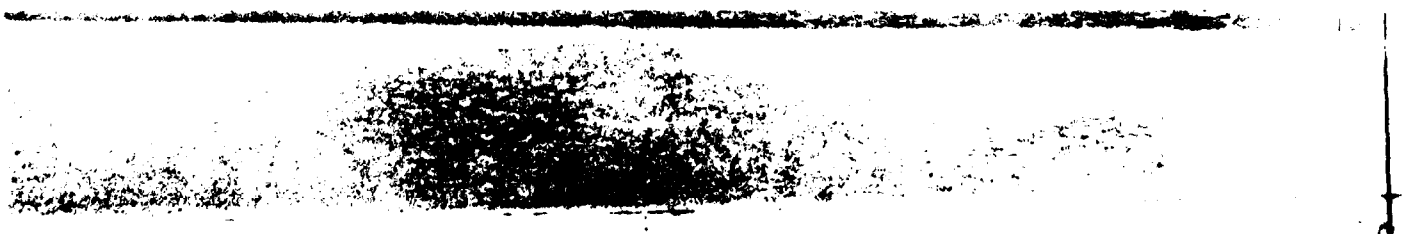
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		35.3	35.6	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 20000		44.[illegible]	44.4	44.8	45.0	45.0	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 18000		44.2	44.7	45.0	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 16000		44.2	44.7	45.0	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 14000		44.7	45.1	45.4	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 12000		46.0	46.4	46.8	47.0	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 10000		50.1	50.6	50.9	51.1	51.1	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000		52.9	53.4	53.8	54.1	54.1	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000		60.8	61.4	61.9	62.7	62.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000		62.7	63.3	63.9	64.8	64.8	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000		64.2	65.0	65.6	66.4	66.4	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000		71.6	72.6	73.3	74.3	74.3	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500		77.6	78.8	79.9	81.0	81.0	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 4000		81.8	83.0	84.4	85.8	85.8	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500		86.6	88.2	89.8	91.2	91.2	91.6	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000		89.6	91.3	93.0	94.4	94.4	94.8	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500		90.2	92.0	93.9	95.7	95.7	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000		90.9	92.9	95.0	96.9	97.1	97.6	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800		90.9	92.9	95.1	97.0	97.2	97.7	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1500		91.1	93.1	95.3	97.4	97.7	98.1	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		91.2	93.2	95.4	97.7	97.9	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		91.2	93.3	95.6	97.9	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		91.2	93.3	95.6	97.9	98.1	98.6	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800		91.3	93.4	95.7	98.2	98.4	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		91.3	93.4	95.7	98.2	98.4	99.1	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		91.4	93.6	95.8	98.3	98.6	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		40.3	40.4	40.7	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 20000		51.0	51.4	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000		51.2	51.7	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000		51.3	51.8	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000		52.1	52.6	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 12000		53.6	54.0	54.2	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000		58.3	58.8	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000		61.0	61.6	61.9	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000		70.6	71.3	72.0	72.6	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 7000		73.3	74.3	75.2	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000		74.6	75.6	76.4	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000		78.9	80.0	81.0	81.8	81.9	81.9	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500		82.8	84.1	85.4	86.2	86.3	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000		86.0	87.7	89.1	90.6	90.7	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3500		89.2	91.1	92.9	94.8	94.9	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 3000		90.0	91.9	93.7	95.8	95.9	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500		90.1	92.3	94.1	96.6	96.7	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000		90.1	92.6	94.4	96.9	97.0	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800		90.1	92.6	94.4	96.9	97.0	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500		90.2	92.7	94.6	97.1	97.2	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200		90.3	92.8	95.0	97.8	97.9	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		90.4	92.9	95.1	97.9	98.0	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		90.4	92.9	95.1	97.9	98.0	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		90.6	93.0	95.3	98.2	98.3	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		90.6	93.1	95.4	98.3	98.4	99.3	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		90.6	93.1	95.4	98.4	98.6	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		90.6	93.1	95.4	98.4	98.6	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		90.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		90.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		90.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		90.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		90.7	93.2	95.6	98.6	98.7	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUN — MONTH
2100-2300 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		43.1	44.1	44.8	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000		51.6	51.6	52.3	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000		50.9	51.9	52.7	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 16000		50.9	51.9	52.7	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 14000		51.4	52.4	53.2	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000		52.9	53.9	54.7	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 10000		57.2	58.3	59.1	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000		60.1	61.4	62.2	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000		71.1	72.9	74.1	74.9	74.9	75.0	75.0	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000		73.7	75.9	77.2	78.0	78.0	78.1	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 6000		74.6	77.1	78.6	79.3	79.3	79.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000		79.4	82.0	83.4	84.4	84.4	84.6	84.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500		82.6	85.3	87.0	88.0	88.0	88.1	88.1	88.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000		85.3	88.6	90.6	91.7	91.7	91.9	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3500		87.7	91.2	93.3	94.7	94.8	95.1	95.1	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3000		88.1	91.8	93.9	95.3	95.4	95.8	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500		88.6	92.3	94.8	96.4	96.6	96.9	96.9	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000		88.8	92.7	95.3	97.1	97.2	97.6	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800		88.8	92.7	95.3	97.1	97.2	97.6	97.7	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500		88.8	92.8	95.4	97.2	97.3	97.9	98.0	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		88.8	92.8	95.4	97.4	97.6	98.1	98.2	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000		88.9	92.9	95.6	97.7	97.8	98.3	98.4	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900		88.9	92.9	95.6	97.7	97.8	98.3	98.4	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		89.0	93.0	95.7	97.9	98.0	98.6	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		89.1	93.1	95.8	98.0	98.1	98.7	98.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		89.1	93.1	95.9	98.2	98.3	98.9	99.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

3[illegible]46	HEIDELBERG AAF DL	68-70,74-80	JUN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		39.7	40.9	41.8	43.1	43.2	43.7	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9
≥ 20000		45.6	47.1	48.1	49.6	49.6	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 18000		45.7	47.2	48.3	49.7	49.8	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5
≥ 16000		45.8	47.3	48.3	49.7	49.8	50.3	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6
≥ 14000		46.1	47.7	48.7	50.2	50.2	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0
≥ 12000		47.4	48.9	50.0	51.6	51.6	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4
≥ 10000		50.9	52.6	53.7	55.4	55.4	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000		53.7	55.5	56.7	58.5	58.5	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000		61.3	63.5	65.0	67.2	67.3	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000		63.1	65.4	67.0	69.2	69.3	70.2	70.4	70.4	70.5	70.5	70.6	70.6	70.6	70.6	70.6
≥ 6000		64.0	66.3	68.0	70.3	70.4	71.3	71.5	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000		68.7	71.3	73.2	75.8	75.8	76.8	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3
≥ 4500		72.4	75.4	77.4	80.1	80.2	81.2	81.4	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.8
≥ 4000		75.3	78.5	80.7	83.8	83.8	84.8	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.5
≥ 3500		78.5	82.0	84.4	87.8	87.9	89.0	89.3	89.3	89.5	89.5	89.6	89.6	89.6	89.6	89.6
≥ 3000		80.4	84.0	86.6	90.2	90.4	91.5	91.9	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.2
≥ 2500		81.2	85.1	87.9	91.8	91.9	93.2	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	94.0
≥ 2000		81.9	86.1	89.1	93.3	93.5	95.0	95.5	95.6	95.8	95.9	95.9	95.9	95.9	95.9	96.1
≥ 1800		82.0	86.2	89.2	93.6	93.8	95.3	95.8	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 1500		82.2	86.4	89.6	94.1	94.3	95.9	96.5	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥ 1200		82.3	86.6	89.9	94.7	94.9	96.5	97.2	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1000		82.5	86.8	90.1	94.9	95.2	96.8	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 900		82.6	86.9	90.2	95.1	95.3	97.0	97.7	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.6
≥ 800		82.7	87.0	90.4	95.4	95.7	97.4	98.1	98.4	98.9	98.9	98.9	98.9	98.9	98.9	99.
≥ 700		82.7	87.1	90.5	95.5	95.8	97.6	98.3	98.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2
≥ 600		82.8	87.1	90.5	95.7	96.0	97.8	98.6	98.9	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 500		82.8	87.1	90.5	95.8	96.0	97.8	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.7
≥ 400		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.8
≥ 200		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.7	99.7	99.7	99.8	99.8	99.8
≥ 100		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.9
≥ 0		82.8	87.1	90.6	95.8	96.1	97.9	98.7	99.0	99.6	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF GL	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		51.5	51.3	51.7	52.2	52.2	52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
≥ 20000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 18000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 16000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 14000		53.3	54.1	54.9	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 12000		54.1	54.8	55.7	56.1	56.1	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
≥ 10000		58.2	58.9	59.9	60.3	60.3	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0
≥ 9000		60.8	61.7	62.9	63.4	63.4	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥ 8000		71.3	73.0	74.4	75.1	75.1	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥ 7000		72.6	74.7	76.2	76.9	76.9	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 6000		73.9	76.0	77.5	78.2	78.2	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
≥ 5000		76.1	79.0	80.5	81.4	81.4	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 4500		79.5	82.8	84.5	85.8	85.9	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥ 4000		8[illegible].4	85.9	88.1	89.8	89.9	90.2	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.9
≥ 3500		84.1	88.2	90.3	92.0	92.2	92.5	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.1
≥ 3000		85.9	9[illegible].2	92.7	94.4	94.5	94.8	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.5
≥ 2500		86.2	9[illegible].6	93.1	94.8	94.9	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9
≥ 2000		86.5	91.0	93.7	95.7	95.8	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8
≥ 1800		86.7	91.2	93.9	96.0	96.1	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1
≥ 1500		86.9	91.4	94.1	96.6	96.7	97.0	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 1200		87.0	91.5	94.2	97.1	97.2	97.5	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2
≥ 1000		87.4	91.9	94.7	97.7	97.8	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 900		87.4	91.9	94.7	97.7	97.8	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 800		87.4	91.9	94.7	97.7	97.8	98.2	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.8
≥ 700		87.4	91.9	95.2	98.2	98.3	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 600		87.4	91.9	95.2	98.2	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.4
≥ 500		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 400		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 300		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 200		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 100		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0
≥ 0		87.4	91.9	95.2	98.6	98.7	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		42.2	44.5	46.1	47.8	47.8	48.4	48.6	48.6	48.7	48.7	48.8	49.1	49.1	49.1	49.5
≥ 20000		44.9	47.5	49.5	51.2	51.2	51.7	51.9	51.9	52.0	52.0	52.2	52.5	52.5	52.5	52.8
≥ 18000		44.9	47.5	49.6	51.3	51.3	51.8	52.0	52.0	52.2	52.2	52.3	52.6	52.6	52.6	52.9
≥ 16000		44.9	47.5	49.6	51.3	51.3	51.8	52.0	52.0	52.2	52.2	52.3	52.6	52.6	52.6	52.9
≥ 14000		44.9	47.5	49.6	51.3	51.3	51.8	52.0	52.0	52.2	52.2	52.3	52.6	52.6	52.6	52.9
≥ 12000		45.7	48.6	50.8	52.5	52.5	53.0	53.2	53.2	53.3	53.3	53.4	53.8	53.8	53.8	54.1
≥ 10000		49.0	51.9	54.8	56.6	56.6	57.1	57.6	57.6	57.7	57.7	57.8	58.2	58.2	58.2	58.5
≥ 9000		50.8	54.0	57.3	59.1	59.1	59.7	60.3	60.3	60.4	60.4	60.5	60.9	60.9	60.9	61.2
≥ 8000		59.4	63.7	67.4	70.1	70.1	70.8	71.4	71.4	71.6	71.6	71.7	72.0	72.0	72.0	72.4
≥ 7000		61.5	65.9	70.0	72.9	72.9	73.5	74.2	74.2	74.4	74.4	74.5	74.8	74.8	74.8	75.2
≥ 6000		62.0	66.5	70.5	73.4	73.4	74.1	74.7	74.7	74.9	74.9	75.1	75.4	75.4	75.4	75.7
≥ 5000		64.9	69.5	73.9	77.0	77.0	77.7	78.4	78.4	78.6	78.6	78.7	79.0	79.0	79.0	79.4
≥ 4500		68.3	73.2	77.8	81.2	81.2	81.9	82.7	82.8	83.0	83.0	83.1	83.4	83.4	83.4	83.8
≥ 4000		71.3	76.1	81.3	85.2	85.2	86.0	86.8	87.0	87.3	87.3	87.4	87.7	87.8	87.8	88.2
≥ 3500		72.5	77.7	83.1	87.3	87.3	88.3	89.0	89.2	89.6	89.6	89.7	90.0	90.1	90.1	90.4
≥ 3000		74.5	79.9	85.9	90.4	90.4	91.4	92.2	92.4	92.7	92.7	92.8	93.1	93.2	93.2	93.5
≥ 2500		74.9	80.4	86.7	91.3	91.3	92.3	93.0	93.2	93.5	93.5	93.7	94.0	94.1	94.1	94.4
≥ 2000		75.5	81.2	87.8	92.7	92.7	93.9	94.7	94.9	95.3	95.3	95.4	95.7	95.8	95.8	96.1
≥ 1800		75.5	81.2	87.8	92.8	92.8	94.0	94.8	95.1	95.4	95.4	95.5	95.8	95.9	95.9	96.2
≥ 1500		75.7	81.4	88.3	93.5	93.5	94.7	95.6	95.8	96.1	96.1	96.2	96.6	96.7	96.7	97.0
≥ 1200		75.9	81.6	88.5	94.1	94.1	95.4	96.2	96.6	96.9	96.9	97.0	97.3	97.4	97.4	97.7
≥ 1000		76.1	82.2	89.0	94.6	94.6	96.0	96.9	97.2	97.5	97.5	97.6	98.0	98.1	98.1	98.4
≥ 900		76.1	82.2	89.0	94.6	94.6	96.0	96.9	97.2	97.5	97.5	97.6	98.0	98.1	98.1	98.4
≥ 800		76.2	82.3	89.1	94.7	94.7	96.2	97.1	97.4	97.7	97.7	97.8	98.2	98.3	98.3	98.6
≥ 700		76.6	82.6	89.5	95.1	95.1	96.6	97.4	97.7	98.1	98.1	98.2	98.5	98.6	98.6	98.9
≥ 600		76.6	82.6	89.5	95.1	95.1	96.6	97.4	97.7	98.1	98.1	98.2	98.5	98.6	98.6	98.9
≥ 500		76.6	82.6	89.5	95.3	95.3	96.9	97.7	98.1	98.5	98.5	98.6	98.9	99.0	99.0	99.4
≥ 400		76.6	82.6	89.5	95.3	95.3	96.9	97.7	98.1	98.5	98.5	98.6	98.9	99.0	99.1	99.5
≥ 300		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.2	99.5	99.8
≥ 200		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.4	99.6	99.9
≥ 100		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.4	99.6	100.0
≥ 0		76.6	82.6	89.6	95.4	95.4	97.0	97.8	98.2	98.6	98.7	98.8	99.1	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM JUL 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		33.1	36.0	39.6	41.5	41.8	43.8	44.1	44.3	44.8	44.8	44.8	44.9	45.2	45.2	45.2
≥ 20000		35.7	39.8	42.6	44.5	44.8	46.9	47.2	47.4	48.0	48.0	48.0	48.1	48.3	48.3	48.3
≥ 18000		35.8	39.9	42.7	44.6	44.9	47.0	47.3	47.5	48.1	48.1	48.1	48.2	48.4	48.4	48.4
≥ 16000		35.8	39.9	42.7	44.6	44.9	47.0	47.3	47.5	48.1	48.1	48.1	48.2	48.4	48.4	48.4
≥ 14000		[illegible]	40.1	42.9	44.8	45.2	47.2	47.5	47.7	48.3	48.3	48.3	48.4	48.6	48.6	48.6
≥ 12000		[illegible]	40.9	43.7	45.8	46.1	48.2	48.5	48.7	49.2	49.2	49.2	49.4	49.6	49.6	49.6
≥ 10000		40.4	45.3	48.4	51.3	51.6	53.8	54.3	54.5	55.3	55.3	55.3	55.4	55.6	55.6	55.6
≥ 9000		42.8	47.7	51.0	54.1	54.4	56.7	57.2	57.4	58.2	58.2	58.2	58.3	58.5	58.5	58.5
≥ 8000		50.3	56.2	59.8	64.3	64.6	67.1	67.7	68.1	68.7	68.8	68.8	68.9	69.1	69.1	69.1
≥ 7000		52.9	58.9	63.2	68.0	68.3	70.8	71.4	71.6	72.4	72.5	72.5	72.6	72.8	72.8	72.8
≥ 6000		54.1	60.1	64.4	69.4	69.7	72.3	72.9	73.1	73.9	74.0	74.0	74.1	74.3	74.3	74.3
≥ 5000		57.5	63.9	68.3	73.5	73.9	76.6	77.3	77.5	78.4	78.5	78.5	78.6	78.8	78.8	78.8
≥ 4500		59.6	66.5	71.3	76.9	77.2	80.0	80.9	81.1	81.9	82.0	82.0	82.2	82.4	82.4	82.4
≥ 4000		61.6	68.7	73.6	80.0	80.4	83.2	84.1	84.4	85.5	85.6	85.6	85.7	85.9	85.9	85.9
≥ 3500		62.4	69.7	74.8	81.6	82.2	85.2	86.1	86.6	87.6	87.7	87.7	87.8	88.1	88.1	88.1
≥ 3000		63.3	71.1	76.6	84.1	84.6	87.7	88.8	89.2	90.4	90.5	90.5	90.6	90.9	90.9	90.9
≥ 2500		63.8	71.5	77.2	84.9	85.5	88.8	90.1	90.6	91.8	91.9	91.9	92.0	92.3	92.3	92.3
≥ 2000		64.3	72.5	78.2	86.5	87.0	90.5	92.2	92.8	94.1	94.2	94.2	94.3	94.5	94.5	94.5
≥ 1800		64.3	72.5	78.2	86.9	87.4	91.1	92.7	93.3	94.7	94.8	94.8	94.9	95.2	95.2	95.2
≥ 1500		65.1	73.2	78.9	88.0	88.5	92.5	94.2	94.8	96.2	96.3	96.3	96.5	96.7	96.7	96.7
≥ 1200		65.2	73.3	79.1	88.3	88.9	92.9	94.6	95.3	96.7	96.8	96.8	96.9	97.1	97.1	97.1
≥ 1000		65.3	73.7	79.6	88.9	89.6	93.5	95.3	95.9	97.3	97.4	97.4	97.5	97.7	97.7	97.7
≥ 900		65.3	73.7	79.6	88.9	89.6	93.5	95.3	95.9	97.3	97.4	97.4	97.5	97.7	97.7	97.7
≥ 800		65.4	73.8	79.7	89.1	89.8	93.8	95.5	96.1	97.5	97.6	97.6	97.7	98.0	98.0	98.0
≥ 700		65.4	73.8	79.7	89.4	90.0	94.0	95.7	96.3	97.7	97.8	97.8	98.0	98.2	98.2	98.2
≥ 600		65.5	74.0	79.9	89.6	90.2	94.2	95.9	96.6	98.0	98.1	98.1	98.2	98.4	98.4	98.4
≥ 500		65.5	74.0	79.9	89.7	90.4	94.7	96.8	97.4	98.8	98.9	99.0	99.1	99.4	99.4	99.4
≥ 400		65.5	74.0	79.9	89.7	90.4	94.7	96.9	97.6	99.0	99.2	99.4	99.5	99.7	99.7	99.7
≥ 300		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.7	99.9	99.9	100.0
≥ 200		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.7	99.9	99.9	100.0
≥ 100		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.7	99.9	99.9	100.0
≥ 0		65.5	74.0	79.9	89.7	90.4	94.8	97.0	97.7	99.1	99.4	99.6	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

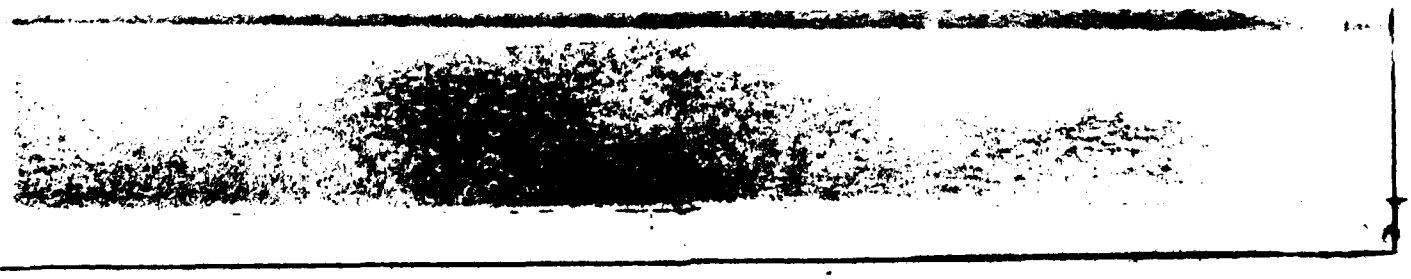
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		37.2	39.1	40.3	42.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000		39.8	41.8	43.4	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 18000		39.8	41.8	43.4	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 16000		39.9	41.9	43.5	45.8	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 14000		39.9	41.9	43.5	45.8	45.8	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 12000		40.6	42.7	44.3	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 10000		44.3	46.5	48.5	51.5	51.5	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
≥ 9000		46.3	48.5	50.5	53.9	53.9	54.9	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4
≥ 8000		54.3	57.2	59.6	63.3	63.3	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8
≥ 7000		56.6	59.6	62.0	65.9	65.9	67.0	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
≥ 6000		57.8	60.9	63.3	67.2	67.2	68.3	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7
≥ 5000		59.9	63.0	65.7	70.9	70.9	72.0	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5
≥ 4500		64.3	67.6	70.4	75.9	75.9	77.2	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
≥ 4000		67.6	71.2	74.2	80.1	80.1	81.4	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2
≥ 3500		7[illegible].2	74.2	77.4	83.9	84.1	85.5	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2
≥ 3000		72.7	77.3	81.1	88.8	89.0	90.4	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
≥ 2500		74.4	79.2	83.1	91.9	92.2	93.8	94.4	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
≥ 2000		74.8	79.9	84.2	93.5	93.9	95.5	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
≥ 1800		74.9	8[illegible]	84.4	93.9	94.2	95.8	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6
≥ 1500		75.1	80.2	84.8	94.4	94.7	96.6	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3
≥ 1200		75.3	80.4	85.1	94.6	94.9	97.0	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7
≥ 1000		75.5	80.6	85.3	94.9	95.5	97.6	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 900		75.5	80.6	85.3	95.1	95.7	97.8	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
≥ 800		75.5	80.6	85.3	95.1	95.7	97.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 700		75.5	80.6	85.3	95.1	95.7	97.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
≥ 600		75.6	80.8	85.4	95.2	95.8	98.1	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4
≥ 500		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9
≥ 400		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9
≥ 300		75.6	80.8	85.4	95.2	95.8	98.2	99.2	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9
≥ 200		75.6	80.8	85.4	95.3	95.9	98.3	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100		75.6	80.8	85.4	95.3	95.9	98.3	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0		75.6	80.8	85.4	95.3	95.9	98.3	99.4	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		41.0	40.8	41.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 20000		44.4	45.2	45.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000		44.4	45.2	45.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 16000		44.4	45.2	45.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 14000		44.7	45.5	46.1	47.1	47.1	47.1	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000		46.1	46.9	47.5	48.5	48.5	48.5	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000		48.3	49.0	50.1	51.3	51.3	51.5	51.5	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 9000		50.5	51.3	52.6	53.8	53.8	54.1	54.2	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 8000		58.4	59.2	60.6	61.8	61.8	62.2	62.3	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000		60.0	61.0	62.4	63.5	63.5	63.9	64.0	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000		61.5	62.5	64.0	65.3	65.3	65.6	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000		66.0	67.0	68.6	69.9	69.9	70.2	70.3	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500		70.8	71.9	73.5	75.8	75.8	76.1	76.2	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000		74.4	76.0	77.6	79.9	79.9	80.3	80.4	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3500		79.4	81.5	83.3	85.9	85.9	86.3	86.5	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3000		83.7	86.2	88.3	91.5	91.5	91.9	92.0	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2500		86.1	88.8	90.9	94.3	94.3	94.7	94.9	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000		87.1	90.1	92.3	96.5	96.7	97.4	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800		87.3	90.3	92.5	97.0	97.2	98.0	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500		87.4	90.5	92.8	97.5	97.7	98.6	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		87.5	90.6	92.9	97.7	98.1	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		87.6	90.8	93.0	97.8	98.2	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		87.6	90.8	93.0	97.8	98.2	99.0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		87.6	90.8	93.0	98.0	98.3	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM JUL 80 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

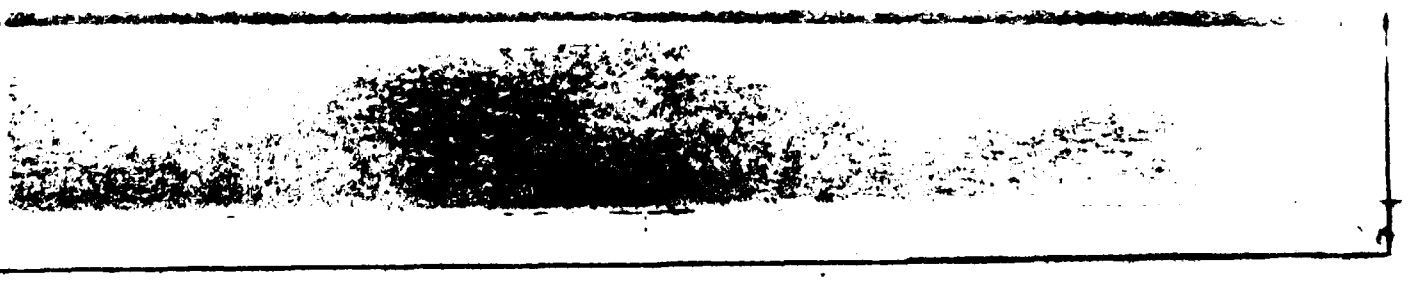
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		43.6	44.2	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000		47.7	48.2	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 18000		47.7	48.2	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 16000		47.7	48.2	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 14000		48.1	48.5	48.7	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000		49.5	49.9	50.1	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 10000		53.3	54.2	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 9000		55.9	56.8	57.4	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000		65.1	66.1	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 7000		68.0	69.0	69.7	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 6000		70.3	71.4	72.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 5000		74.9	76.0	76.9	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500		79.8	80.9	81.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 4000		84.0	85.1	85.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500		88.3	89.4	90.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 3000		91.5	91.8	92.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2500		92.8	94.1	94.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000		93.3	94.6	95.6	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	96.9
≥ 1800		93.4	94.7	95.7	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500		93.4	94.7	95.7	98.6	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		93.4	94.7	95.8	98.8	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		93.4	94.7	95.8	98.8	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		93.4	94.7	95.8	98.8	99.0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

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

34 46	HEIDELBERG AAF GL	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		48.1	48.2	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000		53.1	53.3	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000		53.1	53.3	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000		53.1	53.3	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 14000		53.3	53.5	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000		54.7	54.9	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000		58.2	58.5	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000		62.0	62.6	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 8000		72.8	73.7	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000		74.6	75.5	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 6000		76.0	76.9	77.7	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000		80.9	81.7	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 4500		85.6	86.6	87.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 4000		89.6	90.5	91.6	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500		91.7	92.7	93.8	94.7	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000		94.0	95.1	96.1	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500		94.3	95.7	96.8	97.7	97.7	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2000		94.6	96.	97.1	98.1	98.1	98.3	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800		94.6	96.0	97.1	98.2	98.2	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500		94.6	96.0	97.1	98.5	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200		94.6	96.0	97.1	98.5	98.5	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		94.6	96.0	97.1	98.5	98.5	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		94.8	96.2	97.3	98.8	98.8	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 43	HEIDELBERG AAF GE	68-70,74-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		50.6	50.3	50.8	50.8	50.8	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000		53.5	54.1	54.6	54.6	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 18000		53.5	54.1	54.6	54.6	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 16000		53.5	54.1	54.6	54.6	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000		53.7	54.1	54.7	54.7	54.7	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 12000		54.1	55.5	56.1	56.1	56.1	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000		58.4	58.8	59.5	59.5	59.5	59.8	59.8	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 9000		61.7	62.2	62.8	62.8	62.9	63.1	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000		70.3	71.0	71.7	71.8	71.8	72.4	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000		72.0	72.7	73.7	73.8	73.8	74.3	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 6000		73.9	74.6	75.6	75.7	75.7	76.2	76.2	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000		76.9	77.7	78.9	79.5	79.5	80.0	80.0	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500		81.3	82.7	83.9	84.6	84.6	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 4000		84.5	86.5	87.7	88.6	88.6	89.2	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		87.4	89.3	91.2	92.0	92.0	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000		90.0	93.1	94.4	95.3	95.3	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500		90.5	93.9	95.3	96.5	96.6	97.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000		91.2	94.9	96.3	97.5	97.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800		91.2	94.9	96.3	97.5	97.6	98.6	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500		91.2	94.9	96.5	97.7	97.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		91.2	94.9	96.5	98.0	98.1	99.0	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		91.2	94.9	96.6	98.1	98.2	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900		91.2	94.9	96.6	98.1	98.2	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 800		91.2	94.9	96.6	98.2	98.3	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		91.2	95.1	96.7	98.3	98.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		91.2	95.1	96.7	98.3	98.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		91.2	95.1	96.7	98.3	98.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		91.2	95.1	96.7	98.3	98.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 97

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

38 46	HEIDELBERG AAF DL	68-70, 74-85	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		43.1	44.4	45.3	46.3	46.3	46.7	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.2
≥ 20000		46.6	48.0	49.1	50.1	50.1	50.5	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	51.0
≥ 18000		46.6	48.0	49.1	50.1	50.2	50.6	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	51.0
≥ 16000		46.6	48.0	49.2	50.1	50.2	50.6	50.7	50.7	50.8	50.8	50.9	50.9	50.9	50.9	51.0
≥ 14000		46.7	48.2	49.3	50.3	50.3	50.8	50.9	50.9	51.1	51.1	51.1	51.1	51.2	51.2	51.3
≥ 12000		47.8	49.3	50.4	51.5	51.5	51.9	52.0	52.1	52.2	52.2	52.2	52.3	52.3	52.3	52.4
≥ 10000		51.3	52.9	54.4	55.6	55.7	56.2	56.4	56.4	56.6	56.6	56.6	56.7	56.7	56.7	56.8
≥ 9000		53.9	55.6	57.2	58.6	58.6	59.2	59.5	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.9
≥ 8000		62.7	65.0	66.9	68.6	68.6	69.3	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	70.0
≥ 7000		64.8	67.2	69.2	71.0	71.0	71.7	72.0	72.0	72.2	72.2	72.3	72.3	72.4	72.4	72.4
≥ 6000		66.2	68.6	70.6	72.5	72.5	73.2	73.5	73.5	73.7	73.8	73.8	73.8	73.9	73.9	73.9
≥ 5000		69.7	72.2	74.4	76.6	76.7	77.4	77.7	77.7	77.9	77.9	78.0	78.0	78.1	78.1	78.1
≥ 4500		73.6	76.5	78.8	81.5	81.5	82.3	82.6	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.1
≥ 4000		76.9	8 .0	82.5	85.4	85.5	86.3	86.7	86.8	87.	.0	87.1	87.1	87.2	87.2	87.2
≥ 3500		79.5	82.9	85.5	88.7	88.8	89.6	90.0	90.1	90.4	90.4	90.4	90.5	90.5	90.5	90.6
≥ 3000		81.8	85.6	88.5	92.1	92.2	93.1	93.5	93.6	93.9	93.9	93.9	94.0	94.0	94.0	94.
≥ 2500		82.9	86.8	89.7	93.6	93.7	94.7	95.1	95.3	95.5	95.6	95.6	95.6	95.7	95.7	95.7
≥ 2000		83.4	87.5	9 .6	94.8	95.0	96.1	96.6	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.3
≥ 1800		83.5	87.6	9 .7	95.1	95.3	96.4	96.9	97.1	97.4	97.4	97.4	97.5	97.5	97.5	97.6
≥ 1500		83.7	87.8	91.0	95.6	95.8	97.0	97.6	97.7	98.0	98.1	98.1	98.1	98.2	98.2	98.2
≥ 1200		83.8	87.9	91.1	95.9	96.1	97.4	97.9	98.1	98.4	98.4	98.5	98.5	98.6	98.6	98.6
≥ 1000		83.9	88.1	91.4	96.2	96.4	97.8	98.3	98.5	98.8	98.8	98.8	98.9	99.0	99.0	99.0
≥ 900		83.9	88.1	91.4	96.2	96.5	97.8	98.4	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.1
≥ 800		84.0	88.2	91.4	96.3	96.6	97.9	98.5	98.7	99.0	99.0	99.1	99.1	99.2	99.2	99.2
≥ 700		84.0	88.2	91.5	96.4	96.7	98.1	98.7	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.4
≥ 600		84.0	88.3	91.6	96.5	96.7	98.1	98.8	99.0	99.3	99.3	99.3	99.4	99.4	99.4	99.5
≥ 500		84.0	88.3	91.6	96.6	96.8	98.3	99.0	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.8
≥ 400		84.0	88.3	91.6	96.6	96.8	98.3	99.0	99.2	99.6	99.6	99.7	99.7	99.8	99.8	99.9
≥ 300		84.0	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.6	99.7	99.7	99.8	99.8	99.9	99.9
≥ 200		84.0	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.7	99.7	99.7	99.8	99.9	99.9	100.0
≥ 100		84.0	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.7	99.7	99.7	99.8	99.9	99.9	100.0
≥ 0		84.0	88.3	91.6	96.6	96.9	98.4	99.0	99.3	99.7	99.7	99.7	99.8	99.9	99.9	100.

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
AUG — MONTH
000-1201 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		51.7	53.0	53.9	54.6	54.7	54.8	54.8	54.8	54.8	54.8	55.1	55.1	55.1	55.1	55.2
≥ 20000		55.2	56.7	58.0	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.2
≥ 18000		55.2	56.7	58.0	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.2
≥ 16000		55.2	56.7	58.0	58.7	58.8	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.2
≥ 14000		55.2	56.7	58.1	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.4
≥ 12000		56.6	58.1	59.6	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.8	60.8	60.8	60.8	60.9
≥ 10000		60.8	62.6	64.6	65.5	65.6	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.1
≥ 9000		63.0	64.9	67.0	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.9
≥ 8000		70.3	73.0	76.1	77.6	77.8	78.3	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.7
≥ 7000		72.2	74.9	78.3	79.8	80.0	80.4	80.5	80.5	80.5	80.5	80.8	80.8	80.8	80.8	80.9
≥ 6000		72.9	75.7	79.0	80.5	80.8	81.2	81.3	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.6
≥ 5000		75.4	78.4	81.8	83.7	83.9	84.3	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.7
≥ 4500		78.4	81.5	85.2	87.0	87.2	87.6	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.1
≥ 4000		81.5	84.9	88.7	90.5	90.8	91.3	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.7
≥ 3500		82.5	86.0	90.0	91.9	92.2	92.8	92.9	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.2
≥ 3000		83.5	87.2	91.6	93.7	93.9	94.5	94.6	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.9
≥ 2500		84.2	87.8	92.7	94.7	94.9	95.6	95.7	95.7	95.7	95.7	95.9	95.9	95.9	95.9	96.
≥ 2000		85.1	88.9	94.1	96.1	96.3	97.0	97.1	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.4
≥ 1800		85.1	88.9	94.1	96.1	96.3	97.0	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.7
≥ 1500		85.3	89.1	94.3	96.5	96.9	97.6	98.0	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.4
≥ 1200		85.4	89.2	94.4	96.7	97.1	97.8	98.2	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.6
≥ 1000		85.4	89.2	94.4	96.7	97.1	98.1	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.8
≥ 900		85.4	89.2	94.4	96.7	97.1	98.1	98.4	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.8
≥ 800		85.5	89.4	94.5	96.8	97.2	98.2	98.5	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.9
≥ 700		85.5	89.4	94.5	96.8	97.2	98.2	98.5	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.9
≥ 600		85.5	89.4	94.7	97.0	97.4	98.4	98.7	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.1
≥ 500		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5
≥ 400		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.1	99.1	99.4	99.4	99.4	99.4	99.5
≥ 300		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	99.7
≥ 200		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	100.0
≥ 100		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	100.0
≥ 0		85.5	89.4	94.7	97.0	97.4	98.4	99.0	99.0	99.4	99.4	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM JUL 64 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 40	HEIDELBERG AAF DL	68-70,74-80	AUG	0300-0500
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		41.8	44.5	47.4	49.5	49.7	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.5
≥ 20000		44.4	47.1	50.3	52.4	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4
≥ 18000		44.4	47.1	50.3	52.4	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4
≥ 16000		44.4	47.1	50.3	52.4	52.6	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4
≥ 14000		44.7	47.4	50.6	52.7	52.9	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.9
≥ 12000		45.7	48.5	51.7	53.8	54.0	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.8
≥ 10000		50.0	52.8	56.3	59.0	59.2	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.4
≥ 9000		51.3	54.2	58.0	60.9	61.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.1
≥ 8000		58.0	61.7	66.5	69.9	70.5	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.5
≥ 7000		59.7	63.5	68.5	72.2	72.8	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.7
≥ 6000		59.9	63.8	68.9	72.6	73.2	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.2
≥ 5000		62.8	67.4	72.8	76.8	77.4	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.6
≥ 4500		65.1	70.1	75.5	79.7	80.3	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.6
≥ 4000		67.7	73.1	78.5	82.8	83.4	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.6	85.7
≥ 3500		69.4	75.1	80.8	85.3	85.9	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.1	88.2
≥ 3000		71.0	76.7	82.9	88.4	89.1	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.5
≥ 2500		71.5	77.6	84.3	89.6	90.3	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.8	92.9
≥ 2000		72.8	79.1	85.8	91.6	92.4	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	95.1
≥ 1800		72.8	79.1	85.8	91.6	92.4	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.9	95.1
≥ 1500		73.1	79.5	86.7	92.9	93.8	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.9
≥ 1200		73.1	79.5	86.7	93.0	93.9	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.2
≥ 1000		73.1	79.5	86.8	93.5	94.4	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
≥ 900		73.1	79.5	86.8	93.5	94.4	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
≥ 800		73.1	79.5	86.8	93.5	94.4	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.8
≥ 700		73.1	79.5	86.8	93.7	94.5	97.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.8	98.0
≥ 600		73.1	79.5	86.8	93.7	94.5	97.2	97.5	97.6	97.7	98.0	98.0	98.1	98.1	98.2	98.3
≥ 500		73.1	79.5	86.9	93.9	94.7	97.7	98.1	98.2	98.6	98.8	98.8	98.9	98.9	99.0	99.1
≥ 400		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	98.9	98.9	99.0	99.1	99.2	99.4
≥ 300		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	99.7
≥ 200		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	100.0
≥ 100		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	100.0
≥ 0		73.1	79.5	86.9	93.9	94.8	97.8	98.2	98.3	98.7	99.2	99.2	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3[illegible] 4[illegible]	HEIDELBERG AAF GL	68-70,74-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		33.3	33.7	36.2	40.6	40.9	43.5	44.4	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000		33.4	37.3	4[illegible].2	45.2	45.4	48.5	49.4	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000		33.4	37.3	4[illegible].2	45.2	45.4	48.5	49.4	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 16000		33.4	37.3	43.2	45.2	45.4	48.5	49.4	50.1	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 14000		33.9	37.7	4[illegible].6	45.6	45.8	49.0	50.0	50.8	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000		34.7	38.7	41.9	47.0	47.2	50.5	51.5	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000		38.5	43.0	46.2	51.8	52.2	55.7	56.8	57.7	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000		39.8	44.4	47.7	53.7	54.0	57.5	58.8	59.8	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000		45.2	50.1	54.1	61.4	61.7	66.1	68.1	69.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000		46.0	51.0	54.9	62.4	62.7	67.6	69.6	70.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 6000		47.1	52.0	56.1	63.9	64.2	69.1	71.2	72.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000		48.9	54.1	58.4	67.0	67.3	72.3	74.3	75.4	76.5	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500		50.4	55.9	60.6	69.4	69.7	74.6	76.7	77.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0
≥ 4000		52.8	58.6	63.5	73.0	73.4	78.7	81.0	82.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3500		53.7	59.6	64.8	75.2	75.6	81.1	83.3	84.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000		55.3	61.3	67.0	77.8	78.5	84.0	86.2	87.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 2500		56.0	62.3	68.2	79.5	80.3	85.9	88.2	89.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000		57.0	63.3	69.4	81.1	81.9	87.7	90.1	91.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800		57.0	63.3	69.4	81.2	82.0	87.8	90.2	91.4	92.8	92.9	93.0	93.0	93.0	93.0	93.0
≥ 1500		57.2	63.7	69.8	82.0	83.0	89.1	91.7	92.9	94.3	94.4	94.5	94.5	94.5	94.5	94.5
≥ 1200		57.2	63.7	69.9	82.2	83.1	89.4	92.3	93.7	95.2	95.3	95.4	95.4	95.4	95.4	95.4
≥ 1000		57.3	63.9	70.1	82.5	83.4	89.9	92.9	94.4	96.1	96.2	96.3	96.3	96.3	96.3	96.3
≥ 900		57.3	63.9	70.1	82.6	83.5	90.0	93.0	94.5	96.2	96.3	96.5	96.5	96.5	96.5	96.5
≥ 800		57.3	63.9	70.1	82.7	83.7	90.2	93.4	94.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1
≥ 700		57.3	64.0	70.3	82.9	83.9	90.4	93.7	95.2	97.1	97.2	97.3	97.3	97.3	97.3	97.3
≥ 600		57.3	64.0	70.4	83.1	84.1	90.6	94.0	95.5	97.4	97.5	97.6	97.6	97.6	97.6	97.6
≥ 500		57.3	64.0	70.4	83.2	84.2	90.8	94.1	95.6	97.7	98.0	98.2	98.2	98.3	98.4	98.6
≥ 400		57.3	64.0	70.4	83.2	84.2	90.9	94.3	95.8	98.0	98.2	98.5	98.5	98.6	98.7	98.9
≥ 300		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.4	98.7	98.8	98.9	99.1	99.4
≥ 200		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.5	98.8	98.9	99.0	99.2	99.5
≥ 100		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.5	98.9	99.0	99.2	99.5	100.0
≥ 0		57.3	64.0	70.4	83.2	84.2	90.9	94.4	95.9	98.1	98.5	98.9	99.0	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

34 46	HEIDELBERG AAF DL	68-70,74-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		33.3	35.6	38.5	43.0	43.4	44.8	45.2	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000		37.1	41.0	43.0	48.1	48.6	50.5	51.0	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5
≥ 18000		37.1	41.0	43.0	48.1	48.6	50.5	51.0	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5
≥ 16000		37.2	41.1	43.1	48.2	48.7	50.6	51.1	51.3	51.4	51.5	51.5	51.6	51.6	51.6	51.6
≥ 14000		37.4	41.3	43.3	48.5	49.0	51.0	51.4	51.6	51.7	51.8	51.8	51.9	51.9	51.9	51.9
≥ 12000		38.1	41.9	44.2	49.6	50.1	52.0	52.5	52.7	52.8	52.9	52.9	53.0	53.0	53.0	53.0
≥ 10000		39.9	43.0	46.7	53.1	53.9	55.9	56.5	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.0
≥ 9000		42.5	45.6	49.2	55.8	56.6	58.6	59.1	59.4	59.5	59.6	59.6	59.7	59.7	59.7	59.7
≥ 8000		46.9	50.8	55.1	62.4	63.2	65.7	66.2	66.6	66.9	67.0	67.0	67.1	67.1	67.1	67.1
≥ 7000		48.1	52.0	56.6	64.2	65.1	67.5	68.2	68.5	68.8	68.9	68.9	69.0	69.0	69.0	69.0
≥ 6000		49.0	53.1	57.8	65.5	66.3	68.8	69.5	69.8	70.1	70.2	70.2	70.3	70.3	70.3	70.3
≥ 5000		50.3	56.7	61.6	69.6	70.4	72.9	73.5	74.0	74.3	74.4	74.4	74.5	74.5	74.5	74.5
≥ 4500		54.8	59.2	64.3	72.8	73.7	76.1	76.8	77.2	77.5	77.6	77.6	77.7	77.7	77.7	77.7
≥ 4000		57.3	62.0	67.3	76.	77.0	79.5	80.1	80.5	80.9	81.0	81.0	81.1	81.1	81.1	81.1
≥ 3500		59.2	64.5	69.9	79.4	80.3	82.9	83.5	84.0	84.3	84.4	84.4	84.5	84.5	84.5	84.5
≥ 3000		61.5	67.	72.7	82.4	83.3	86.2	86.9	87.4	87.7	87.8	87.8	88.0	88.0	88.0	88.0
≥ 2500		62.8	68.4	74.2	84.3	85.4	88.8	89.5	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.5
≥ 2000		64.2	69.9	75.7	86.5	87.5	91.1	91.9	92.5	92.8	92.9	92.9	93.0	93.0	93.0	93.0
≥ 1800		64.2	69.9	75.8	86.7	87.7	91.3	92.3	92.8	93.1	93.2	93.2	93.3	93.3	93.3	93.3
≥ 1500		64.4	70.2	76.1	87.7	88.8	92.7	93.9	94.4	94.7	94.8	94.8	94.9	94.9	94.9	94.9
≥ 1200		64.5	70.4	76.3	88.2	89.2	93.5	95.1	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2
≥ 1000		64.5	70.4	76.5	88.3	89.6	93.9	95.4	96.0	96.6	96.7	96.7	96.8	96.8	96.8	96.8
≥ 900		64.7	70.6	76.8	88.7	90.0	94.3	95.9	96.6	97.1	97.2	97.2	97.3	97.3	97.3	97.3
≥ 800		64.9	70.9	77.0	89.0	90.3	94.7	96.5	97.1	97.6	97.8	97.8	98.0	98.0	98.0	98.0
≥ 700		65.1	71.1	77.2	89.2	90.5	94.9	96.8	97.4	98.3	98.5	98.5	98.6	98.6	98.6	98.6
≥ 600		65.1	71.1	77.2	89.2	90.5	95.3	97.1	97.8	98.9	99.1	99.1	99.4	99.4	99.4	99.4
≥ 500		65.1	71.1	77.2	89.2	90.5	95.3	97.2	98.0	99.1	99.5	99.6	99.8	99.8	99.9	99.9
≥ 400		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 300		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 200		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 100		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0
≥ 0		65.1	71.1	77.2	89.2	90.6	95.4	97.3	98.1	99.2	99.6	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM 0-14-5 (OL A) JUL 66 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

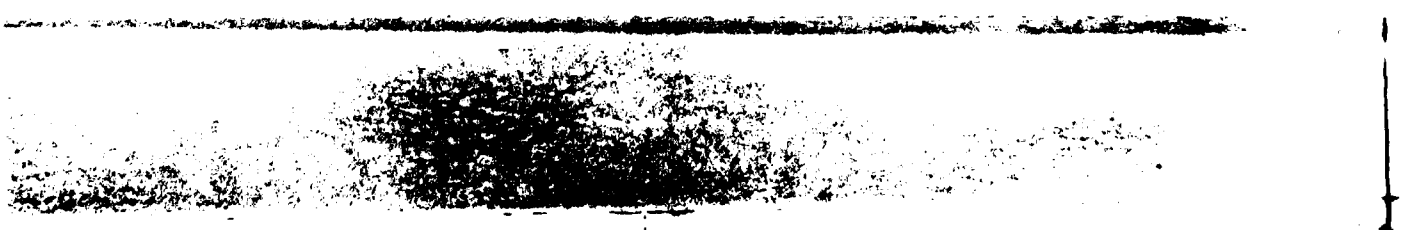
39 4[illegible]	HEIDELBERG AAF DL	68-70,74-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		38.	39.1	40.4	42.4	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000		43.2	44.9	46.3	49.0	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 18000		43.2	44.9	46.3	49.0	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000		43.2	44.9	46.3	49.0	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000		44.0	45.8	47.3	50.0	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000		44.5	46.3	48.0	50.6	50.9	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000		48.6	50.8	52.5	55.2	55.4	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000		50.2	52.4	54.3	57.1	57.3	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000		56.1	58.9	61.9	65.1	65.3	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000		57.2	60.0	63.0	66.1	66.3	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000		57.7	61.0	64.1	67.2	67.4	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000		62.8	66.0	69.2	72.9	73.2	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4500		65.6	68.8	72.3	76.0	76.3	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4000		69.7	73.4	76.9	81.1	31.4	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3500		75.5	79.8	83.9	88.9	89.2	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3000		77.8	82.2	86.6	91.7	92.0	92.9	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500		79.0	83.7	88.7	94.1	94.4	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2000		79.5	84.2	89.4	94.8	95.3	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1800		79.6	84.3	89.5	94.9	95.4	96.6	96.9	97.	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500		79.6	84.4	90.3	96.1	96.7	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200		79.8	84.7	90.8	96.8	97.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		79.8	84.7	90.8	96.8	97.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		79.9	84.8	90.9	96.9	97.4	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		79.9	84.8	90.9	96.9	97.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93



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

CEILING VERSUS VISIBILITY

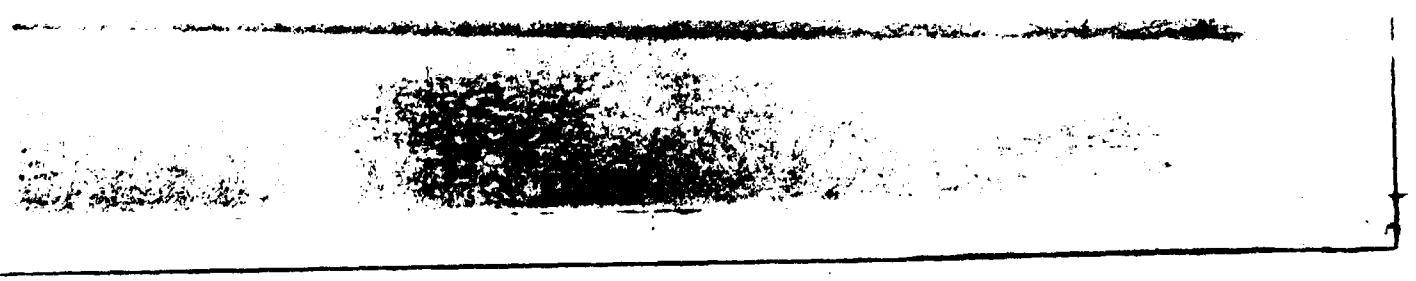
34 46	HEIDELBERG AAF DL	68-70,74-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		43.8	44.6	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000		49.4	50.6	51.0	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		49.8	51.1	51.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000		49.9	51.2	51.5	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000		50.6	51.9	52.3	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000		52.5	53.8	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000		57.6	59.1	59.6	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000		61.2	62.9	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000		68.1	70.5	71.7	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 7000		69.8	72.3	73.4	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 6000		71.1	73.9	75.1	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000		77.4	81.5	82.2	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500		81.3	84.6	86.2	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 4000		83.2	86.7	88.3	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500		86.7	90.1	91.7	93.5	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000		88.1	92.0	93.7	95.8	95.8	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500		88.9	93.1	94.8	97.2	97.2	97.5	97.5	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000		89.4	94.0	95.8	98.5	98.5	98.8	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800		89.4	94.1	95.9	98.6	98.6	98.9	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		89.4	94.2	96.0	98.8	98.8	99.2	99.2	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		89.5	94.3	96.1	99.0	99.0	99.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

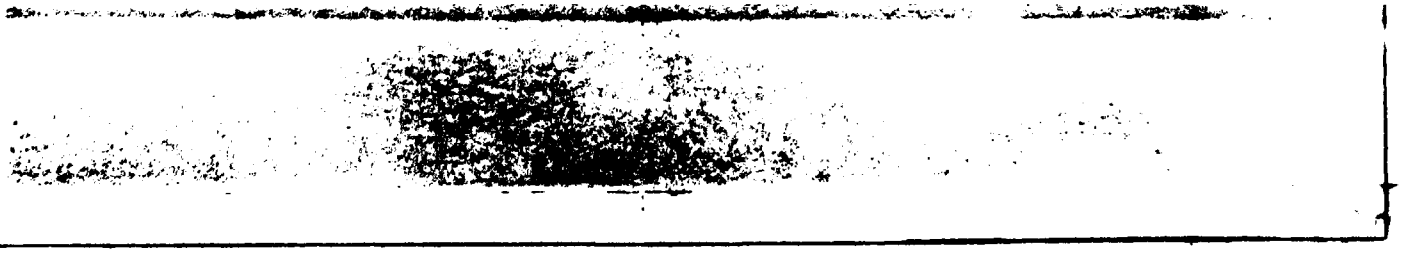
34 46	HEIDELBERG AAF DL	68-70,74-80	AUG
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		45.4	46.1	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000		51.0	52.2	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000		51.3	52.7	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
≥ 16000		51.3	52.7	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
≥ 14000		52.6	54.[illegible]	54.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000		54.6	56.1	56.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000		59.9	61.7	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000		63.2	65.1	65.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 8000		71.5	74.7	75.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000		72.6	75.8	77.1	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000		73.7	76.9	78.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 5000		76.7	80.4	81.8	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 4500		80.0	83.9	85.4	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000		83.9	88.2	89.9	91.7	91.9	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3500		86.9	91.3	93.1	95.2	95.4	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 3000		87.7	92.6	94.4	96.6	96.8	96.9	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2500		96.7	93.7	95.5	97.6	97.8	98.0	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		88.9	94.4	96.3	98.8	99.3	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800		88.9	94.4	96.3	98.8	99.0	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500		88.9	94.4	96.5	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		88.9	94.4	96.5	98.9	99.1	99.2	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		89.0	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900		89.0	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800		89.1	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		89.1	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		89.1	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		89.1	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		89.1	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		89.0	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		89.0	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		89.0	94.5	96.6	99.1	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		89.0	94.5	96.6	99.2	99.5	99.6	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]



GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 43	HEIDELBERG AAF GL	68-70, 74-80	AUG	2100-2300
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		48.7	49.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000		52.8	54.4	56.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000		52.9	54.8	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000		53.0	54.9	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000		53.3	55.3	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000		54.1	56.3	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 10000		59.0	62.0	64.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 9000		61.7	64.8	67.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 8000		72.0	75.5	78.4	79.9	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 7000		74.0	77.5	80.5	82.0	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 6000		75.1	78.6	81.6	83.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000		77.7	81.6	84.6	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500		80.9	84.8	88.1	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000		84.0	88.2	91.6	94.1	94.1	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 3500		85.3	89.7	93.4	95.7	95.7	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000		86.2	90.8	94.5	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500		86.9	91.5	95.3	97.8	97.8	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000		87.2	92.0	95.8	98.7	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800		87.2	92.0	95.8	98.7	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		87.2	92.0	96.0	98.9	98.9	99.2	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		87.2	92.0	96.0	99.0	99.0	99.4	99.4	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		87.4	92.3	96.2	99.2	99.2	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

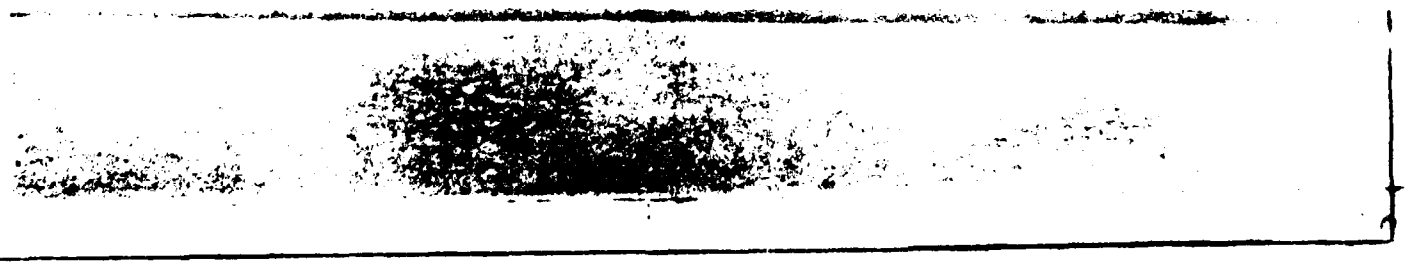
34 4	HEIDELBERG AAF DL	68-70,74-80	AUG
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1⅞	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		41.6	43.3	44.8	46.6	46.8	47.4	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 20000		45.8	47.9	49.7	51.8	52.0	52.7	52.9	53.[illegible]	53.1	53.1	53.2	53.2	53.2	53.2	53.2
≥ 18000		45.9	48.1	49.8	52.0	52.1	52.9	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.4	53.4
≥ 16000		46.0	48.1	49.9	52.0	52.2	52.9	53.1	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4
≥ 14000		46.5	48.6	50.4	52.6	52.7	53.5	53.7	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.0
≥ 12000		47.6	49.9	51.7	53.9	54.1	54.9	55.1	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4
≥ 10000		51.8	54.4	56.6	59.2	59.4	60.3	60.5	60.7	60.8	60.8	60.8	60.9	60.9	60.9	60.9
≥ 9000		54.1	56.8	59.1	61.9	62.2	63.1	63.3	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7
≥ 8000		61.0	64.4	67.4	70.8	71.1	72.4	72.7	73.[illegible]	73.1	73.1	73.2	73.2	73.2	73.2	73.2
≥ 7000		62.4	65.9	69.0	72.6	72.9	74.2	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0
≥ 6000		63.3	66.9	70.1	73.7	74.0	75.3	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000		66.7	70.6	74.1	78.0	78.3	79.6	80.0	80.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5
≥ 4500		69.6	73.6	77.2	81.2	81.5	82.9	83.3	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8
≥ 4000		72.5	76.9	80.6	84.9	85.3	86.7	87.1	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.7
≥ 3500		74.9	79.5	83.5	88.1	88.5	90.0	90.4	90.7	90.9	90.9	91.0	91.0	91.0	91.0	91.0
≥ 3000		76.4	81.2	85.4	90.4	90.8	92.4	92.8	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500		77.3	82.3	86.7	91.9	92.3	94.0	94.4	94.7	95.0	95.0	95.1	95.1	95.1	95.1	95.1
≥ 2000		78.2	83.2	87.8	93.3	93.7	95.5	96.0	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800		78.[illegible]	83.3	87.8	93.3	93.8	95.5	96.1	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8
≥ 1500		78.1	83.4	88.2	94.0	94.5	96.4	97.1	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8
≥ 1200		78.2	83.5	88.3	94.2	94.7	96.7	97.4	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.3
≥ 1000		78.2	83.6	88.4	94.3	94.9	97.0	97.7	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.6
≥ 900		78.3	83.6	88.4	94.4	94.9	97.1	97.8	98.1	98.5	98.6	98.6	98.6	98.6	98.7	98.7
≥ 800		78.3	83.7	88.5	94.5	95.0	97.2	98.0	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9
≥ 700		78.3	83.7	88.5	94.6	95.1	97.3	98.1	98.4	98.9	99.[illegible]	99.0	99.0	99.0	99.0	99.0
≥ 600		78.3	83.7	88.6	94.6	95.2	97.4	98.2	98.5	99.1	99.1	99.2	99.2	99.2	99.2	99.3
≥ 500		78.3	83.7	88.6	94.7	95.2	97.5	98.3	98.7	99.3	99.4	99.5	99.5	99.5	99.6	99.6
≥ 400		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.7	99.4	99.5	99.5	99.6	99.6	99.7	99.7
≥ 300		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.6	99.7	99.7	99.8	99.8
≥ 200		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.7	99.7	99.7	99.8	100.0
≥ 100		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.7	99.7	99.8	99.8	100.0
≥ 0		78.3	83.7	88.6	94.7	95.3	97.5	98.4	98.8	99.4	99.6	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7446



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

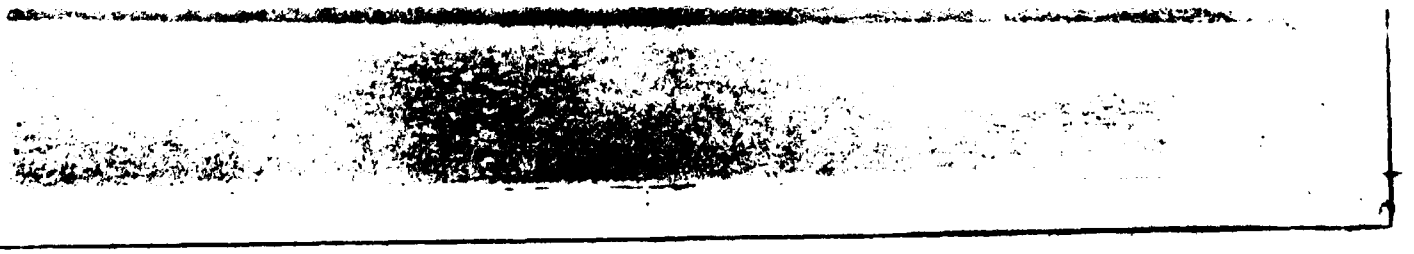
CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	SEP	0000-0200
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		41.6	44.8	49.4	52.8	52.8	53.8	54.2	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000		44.0	47.6	52.4	56.0	56.0	57.0	57.4	57.6	57.9	58.0	58.0	58.0	58.0	58.0	58.0
≥ 18000		44.0	47.7	52.6	56.1	56.1	57.1	57.6	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000		44.0	47.7	52.6	56.1	56.1	57.1	57.6	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000		44.3	48.0	52.9	56.4	56.4	57.4	57.9	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 12000		45.2	49.0	53.9	57.6	57.6	58.7	59.1	59.2	59.6	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000		49.1	53.8	58.9	62.7	62.7	63.8	64.3	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9
≥ 9000		51.6	56.6	61.9	65.7	65.7	66.8	67.3	67.4	67.8	67.9	67.9	67.9	67.9	67.9	67.9
≥ 8000		58.7	63.8	69.3	74.3	74.3	75.7	76.2	76.3	77.0	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000		60.7	66.0	72.0	77.1	77.1	78.7	79.3	79.4	80.1	80.2	80.2	80.2	80.2	80.2	80.2
≥ 6000		62.3	67.7	73.7	78.8	78.8	80.3	81.0	81.1	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000		64.4	70.0	76.2	81.4	81.4	83.1	83.8	83.9	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500		67.7	73.7	80.0	85.7	85.7	87.3	88.0	88.1	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 4000		70.0	76.4	83.1	89.0	89.0	90.8	91.4	91.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500		71.2	77.9	84.6	90.4	90.4	92.6	93.2	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3000		72.8	79.7	86.4	92.6	92.6	94.7	95.3	95.4	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500		73.1	80.0	86.8	92.9	92.9	95.1	95.9	96.0	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000		73.3	80.6	87.3	93.8	93.8	96.0	96.8	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 1800		73.3	80.6	87.3	93.8	93.8	96.1	96.9	97.0	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1500		73.4	80.7	87.4	94.0	94.0	96.3	97.1	97.2	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200		73.6	80.8	87.6	94.1	94.1	96.4	97.2	97.3	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		73.8	81.0	87.8	94.3	94.3	96.7	97.4	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		73.8	81.0	87.8	94.3	94.3	96.7	97.4	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800		73.8	81.0	87.8	94.3	94.3	96.7	97.4	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700		73.8	81.0	87.8	94.3	94.3	96.9	97.7	97.8	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600		73.9	81.1	87.9	94.7	94.7	97.4	98.2	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500		73.9	81.1	87.9	94.7	94.7	97.4	98.2	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.3	99.3	99.9
≥ 0		74.0	81.2	88.0	94.8	94.8	97.6	98.3	98.4	99.1	99.2	99.2	99.2	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

39 4[illegible]	HEIDELBERG AAF [illegible]	68-70, 74-80	SEP
STATION	STATION NAME	YEARS	MONTH

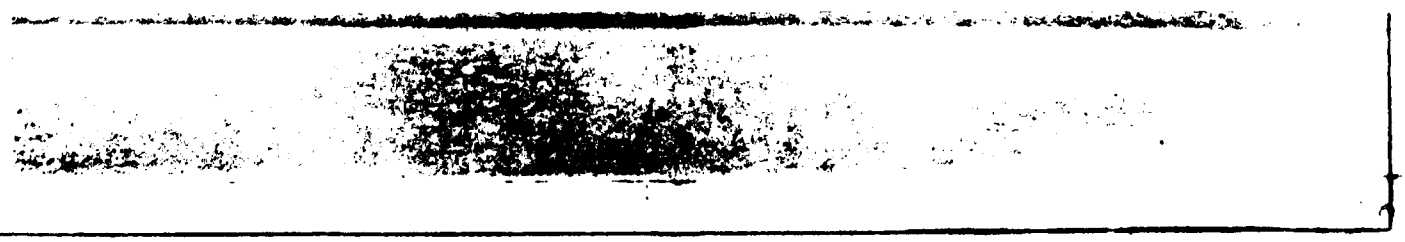
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3[illegible] - 15[illegible]
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		39.6	4[illegible].8	44.3	49.6	49.6	51.7	52.3	52.4	53.0	53.1	53.2	53.2	53.3	53.4	53.6
≥ 20000		37.1	42.6	46.3	52.3	52.3	54.6	55.2	55.3	55.9	56.0	56.1	56.1	56.2	56.3	56.4
≥ 18000		37.1	42.8	46.6	52.6	52.6	54.8	55.4	55.6	56.1	56.2	56.3	56.3	56.4	56.6	56.7
≥ 16000		37.1	42.8	46.6	52.6	52.6	54.8	55.4	55.6	56.1	56.2	56.3	56.3	56.4	56.6	56.7
≥ 14000		37.1	42.8	46.6	52.6	52.6	54.8	55.4	55.6	56.1	56.2	56.3	56.3	56.4	56.6	56.7
≥ 12000		37.7	43.3	47.1	53.1	53.1	55.3	56.0	56.1	56.7	56.8	56.9	56.9	57.0	57.1	57.2
≥ 10000		41.0	47.0	51.0	57.3	57.3	59.8	6[illegible].4	60.6	61.1	61.2	61.3	61.3	61.4	61.6	61.7
≥ 9000		42.1	48.2	52.4	59.0	59.0	61.4	62.1	62.2	62.8	62.9	63.0	63.0	63.1	63.2	63.3
≥ 8000		48.8	55.8	60.9	69.0	69.0	72.1	72.8	72.9	73.6	73.7	73.8	73.8	73.9	74.[illegible]	74.1
≥ 7000		51.0	58.4	63.6	71.8	71.8	75.2	75.9	76.[illegible]	76.7	76.8	76.9	76.9	77.0	77.1	77.2
≥ 6000		53.0	60.4	65.6	73.8	73.8	77.2	77.9	78.[illegible]	78.7	78.8	78.9	78.9	79.0	79.1	79.2
≥ 5000		54.8	62.3	67.7	76.1	76.1	79.6	80.2	80.3	81.0	81.1	81.2	81.2	81.3	81.4	81.6
≥ 4500		57.1	65.0	70.4	79.3	79.3	82.8	83.4	83.6	84.3	84.4	84.6	84.6	84.7	84.8	84.9
≥ 4000		59.0	67.0	73.0	82.3	82.3	86.0	86.8	86.9	87.8	87.9	88.0	88.0	88.1	88.2	88.3
≥ 3500		61.2	69.[illegible]	75.6	84.9	84.9	88.9	89.8	90.0	90.9	91.0	91.1	91.1	91.2	91.3	91.4
≥ 3000		61.9	70.3	76.4	86.1	86.1	90.1	91.0	91.2	92.1	92.2	92.3	92.3	92.4	92.6	92.8
≥ 2500		62.1	70.8	76.9	86.8	86.8	90.8	91.7	91.9	92.8	92.9	93.0	93.0	93.1	93.2	93.4
≥ 2000		62.3	71.1	77.7	88.2	88.2	92.3	93.2	93.4	94.3	94.4	94.6	94.6	94.7	94.8	95.[illegible]
≥ 1800		62.3	71.1	77.7	88.2	88.2	92.6	93.4	93.7	94.6	94.7	94.8	94.8	94.9	95.0	95.2
≥ 1500		62.7	71.4	78.2	89.1	89.1	93.4	94.3	94.6	95.4	95.6	95.7	95.7	95.8	95.9	96.1
≥ 1200		62.7	71.4	78.2	89.3	89.3	93.9	94.8	95.[illegible]	95.9	96.0	96.1	96.1	96.2	96.3	96.6
≥ 1000		62.7	71.4	78.2	89.3	89.3	94.0	94.9	95.1	96.1	96.2	96.3	96.3	96.4	96.6	96.8
≥ 900		62.7	71.4	78.2	89.4	89.4	94.1	95.0	95.2	96.2	96.3	96.4	96.4	96.6	96.7	96.9
≥ 800		62.7	71.4	78.2	89.4	89.4	94.1	95.0	95.2	96.2	96.3	96.4	96.4	96.6	96.7	96.9
≥ 700		62.7	71.4	78.2	89.4	89.4	94.2	95.1	95.3	96.3	96.4	96.6	96.6	96.7	96.8	97.1
≥ 600		62.9	71.7	78.4	89.7	89.7	94.7	95.6	95.8	96.8	96.9	97.0	97.0	97.1	97.2	97.4
≥ 500		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.4	97.6	97.9
≥ 400		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.4	97.6	98.[illegible]
≥ 300		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.4	97.6	98.7
≥ 200		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.[illegible]	97.1	97.2	97.3	97.3	97.4	97.7	98.8
≥ 100		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.0	97.1	97.2	97.3	97.3	97.7	98.2	99.4
≥ 0		62.9	71.7	78.7	89.9	89.9	94.9	95.8	96.[illegible]	97.1	97.2	97.3	97.3	97.9	98.7	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 9[illegible]

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

3[illegible] 4[illegible]	HEIDELBERG AAF GL	68-70,74-8[illegible]	SEP
STATION	STATION NAME	YEARS	MONTH

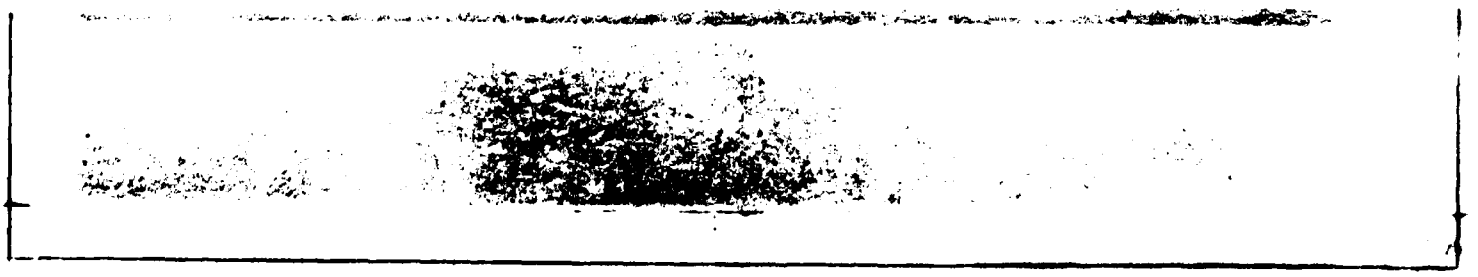
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]600-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		23.[illegible]	25.9	28.4	35.1	35.3	38.9	40.7	41.3	42.9	43.4	43.6	44.[illegible]	44.4	44.9	45.6
≥ 20000		25.2	28.8	31.4	38.4	38.7	42.6	44.3	45.0	46.6	47.1	47.2	47.7	48.1	48.6	49.4
≥ 18000		25.2	28.8	31.4	38.4	38.7	42.6	44.3	45.0	46.6	47.1	47.2	47.7	48.1	48.6	49.4
≥ 16000		25.3	28.9	31.6	38.6	38.8	42.7	44.4	45.1	46.7	47.2	47.3	47.8	48.2	48.7	49.6
≥ 14000		25.3	29.[illegible]	31.7	39.0	39.2	43.1	44.9	45.6	47.1	47.7	47.8	48.2	48.7	49.1	50.[illegible]
≥ 12000		26.1	30.1	32.9	40.3	40.6	44.6	46.3	47.0	48.6	49.1	49.2	49.7	50.1	50.6	51.4
≥ 10000		26.0	32.4	35.3	43.4	43.7	48.1	50.2	51.1	52.8	53.3	53.4	53.9	54.3	54.8	55.7
≥ 9000		29.7	34.1	37.0	45.2	45.4	50.3	52.6	53.4	55.2	55.8	55.9	56.3	56.8	57.2	58.1
≥ 8000		34.6	39.7	42.9	52.6	52.9	58.3	61.0	62.1	64.1	64.7	64.8	65.3	65.8	66.2	67.1
≥ 7000		36.8	42.0	45.4	55.6	56.0	61.6	64.4	65.6	67.6	68.1	68.2	68.8	69.2	69.7	70.6
≥ 6000		37.4	42.7	46.1	56.4	56.9	62.6	65.4	66.6	68.6	69.1	69.2	69.8	70.2	70.7	71.6
≥ 5000		38.6	43.8	47.3	58.2	58.7	64.4	67.7	68.8	70.8	71.3	71.4	72.0	72.4	72.9	73.8
≥ 4500		41.0	46.4	50.4	61.9	62.4	68.6	71.8	72.9	74.9	75.4	75.6	76.1	76.6	77.[illegible]	77.9
≥ 4000		42.8	48.8	52.9	65.2	66.0	72.7	75.9	77.1	79.6	80.1	80.2	80.8	81.3	81.8	82.7
≥ 3500		44.4	50.9	55.2	67.9	68.7	75.3	78.6	79.8	82.2	82.8	82.9	83.4	84.[illegible]	84.4	85.3
≥ 3000		46.1	52.7	57.0	70.0	70.9	78.1	81.3	82.6	85.2	85.8	85.9	86.4	87.[illegible]	87.4	88.4
≥ 2500		46.8	53.3	57.8	71.3	72.2	79.6	82.9	84.2	86.9	87.4	87.6	88.1	88.7	89.1	90.1
≥ 2000		47.2	53.9	58.6	72.4	73.6	81.1	84.6	85.9	88.6	89.1	89.2	89.8	90.3	90.3	91.8
≥ 1800		47.3	54.1	58.9	72.8	73.9	81.6	85.0	86.3	89.0	89.6	89.7	90.2	90.8	91.2	92.2
≥ 1500		47.6	54.2	59.1	73.6	74.7	82.4	86.1	87.4	90.1	90.7	90.8	91.3	91.9	92.3	93.3
≥ 1200		47.6	54.2	59.1	73.6	74.8	82.7	86.4	88.1	91.[illegible]8	91.3	91.4	92.[illegible]	92.7	93.1	94.1
≥ 1000		47.6	54.2	59.1	73.6	74.8	82.7	86.7	88.4	91.1	91.7	91.8	92.3	93.[illegible]	93.4	94.4
≥ 900		47.6	54.2	59.1	73.6	74.8	82.7	86.7	88.4	91.1	91.7	91.8	92.3	93.[illegible]	93.4	94.4
≥ 800		47.6	54.2	59.1	73.7	74.9	82.9	86.9	88.7	91.3	91.9	92.0	92.6	93.2	93.7	94.7
≥ 700		47.6	54.2	59.1	73.7	75.0	83.0	87.1	88.9	91.6	92.1	92.2	92.8	93.4	93.9	94.9
≥ 600		47.6	54.2	59.2	73.8	75.1	83.2	87.3	89.1	91.8	92.3	92.4	93.0	93.7	94.1	95.2
≥ 500		47.6	54.2	59.2	73.8	75.1	83.2	87.3	89.1	91.9	92.4	92.6	93.1	93.8	94.2	95.6
≥ 400		47.6	54.2	59.2	73.8	75.1	83.2	87.4	89.3	92.2	92.9	93.1	93.7	94.4	94.9	96.3
≥ 300		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.4	93.1	93.3	94.0	95.1	95.9	98.[illegible]
≥ 200		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.4	93.1	93.4	94.2	95.3	96.2	98.7
≥ 100		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.4	93.1	93.4	94.2	95.4	96.3	99.4
≥ 0		47.6	54.2	59.2	73.8	75.1	83.3	87.6	89.4	92.6	93.2	93.6	94.3	95.6	96.4	100.

TOTAL NUMBER OF OBSERVATIONS [illegible]9[illegible]

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

STATION	STATION NAME	YEARS	MONTH
3[illegible] 4[illegible]	HEIDELBERG AAF GL	66-73,74-8[illegible]	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		25.4	2[illegible].7	31.6	38.8	39.1	41.3	42.6	42.9	43.4	43.4	43.4	43.6	43.6	43.6	43.6
≥ 20000		25.2	31.6	34.6	42.4	42.8	45.0	46.3	46.7	47.2	47.2	47.2	47.3	47.3	47.3	47.3
≥ 18000		28.3	31.7	34.8	42.7	43.[illegible]	45.2	46.6	46.9	47.4	47.4	47.4	47.6	47.6	47.6	47.6
≥ 16000		28.4	31.8	34.9	42.8	43.1	45.3	46.7	47.0	47.6	47.6	47.6	47.7	47.7	47.7	47.7
≥ 14000		28.8	32.1	35.3	43.6	43.9	46.1	47.4	47.8	48.3	48.3	48.3	48.4	48.4	48.4	48.4
≥ 12000		29.0	33.6	36.9	45.7	46.[illegible]	48.6	50.0	50.3	50.9	50.9	50.9	51.0	51.0	51.0	51.0
≥ 10000		31.7	35.4	38.8	48.2	48.6	51.2	52.7	53.0	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 9000		33.9	37.7	41.0	51.4	51.8	54.6	56.0	56.3	56.9	56.9	56.9	57.0	57.0	57.0	57.[illegible]
≥ 8000		39.0	43.0	46.7	58.4	58.9	62.1	63.8	64.1	64.8	64.8	64.8	64.9	64.9	64.9	64.9
≥ 7000		40.2	44.4	48.3	61.1	61.6	65.0	66.7	67.0	67.8	67.8	67.8	67.9	67.9	67.9	67.9
≥ 6000		41.4	44.9	48.8	61.8	62.2	66.0	67.7	68.0	68.8	68.8	68.8	68.9	68.9	68.9	68.9
≥ 5000		43.2	47.9	51.9	66.2	66.7	70.7	72.3	72.7	73.4	73.4	73.4	73.6	73.6	73.6	73.6
≥ 4500		45.4	5[illegible].6	54.6	69.2	69.7	74.0	75.9	76.2	77.0	77.0	77.0	77.1	77.1	77.1	77.1
≥ 4000		49.8	55.[illegible]	59.[illegible]	74.3	74.8	79.2	81.2	81.6	82.3	82.4	82.4	82.6	82.6	82.6	82.6
≥ 3500		53.[illegible]	58.3	62.4	78.[illegible]	78.4	83.[illegible]	85.0	85.6	86.3	86.4	86.4	86.6	86.6	86.6	86.6
≥ 3000		54.3	59.7	64.[illegible]	80.1	80.6	85.4	87.7	88.2	89.[illegible]	89.2	89.2	89.3	89.3	89.3	89.3
≥ 2500		55.4	61.0	65.4	82.1	82.6	87.4	89.8	90.3	91.3	91.6	91.6	91.7	91.7	91.7	91.7
≥ 2000		56.3	62.1	66.6	83.3	83.9	88.8	91.4	92.1	93.1	93.3	93.3	93.4	93.4	93.4	93.4
≥ 1800		56.4	62.2	66.7	83.4	84.0	89.0	91.7	92.3	93.3	93.6	93.6	93.7	93.7	93.7	93.7
≥ 1500		56.4	62.2	66.8	83.9	84.4	89.9	92.6	93.2	94.3	94.6	94.6	94.7	94.7	94.7	94.7
≥ 1200		56.6	62.3	66.9	84.1	84.7	90.7	93.4	94.1	95.2	95.4	95.4	95.6	95.6	95.6	95.6
≥ 1000		56.6	62.3	66.9	84.2	84.8	90.8	93.6	94.2	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 900		56.6	62.3	66.9	84.2	84.8	90.8	93.6	94.2	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 800		56.6	62.3	66.9	84.3	84.9	91.0	93.8	94.6	95.9	96.1	96.1	96.2	96.2	96.2	96.2
≥ 700		56.6	62.3	66.9	84.3	84.9	91.0	93.9	94.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3
≥ 600		56.6	62.3	66.9	84.3	84.9	91.1	94.0	94.8	96.3	96.6	96.6	96.7	96.7	96.7	96.7
≥ 500		56.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.0	97.2	97.2	97.4	97.4	97.4	97.4
≥ 400		56.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.2	97.8	97.8	98.0	98.0	98.0	98.0
≥ 300		56.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.4	98.	98.2	98.7	98.9	98.9	99.
≥ 200		56.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.6	98.1	98.3	98.8	99.3	99.3	99.4
≥ 100		56.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.6	98.1	98.3	98.8	99.3	99.3	99.[illegible]
≥ 0		56.6	62.3	66.9	84.3	84.9	91.3	94.3	95.1	97.6	98.1	98.3	98.8	99.4	99.4	100.

TOTAL NUMBER OF OBSERVATIONS [illegible]

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

34 48	HEIDELBERG AAF DL	68-70,74-8[illegible]	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		33.9	35.4	37.4	40.7	40.9	42.3	43.0	43.1	43.3	43.3	43.4	43.4	43.4	43.4	43.4
≥ 20000		41.2	43.1	45.3	48.9	49.1	50.6	51.2	51.3	51.8	51.8	51.9	51.9	51.9	51.9	51.9
≥ 18000		41.3	43.2	45.4	49.0	49.2	50.7	51.3	51.4	51.9	51.9	52.0	52.0	52.0	52.0	52.0
≥ 16000		41.4	43.3	45.6	49.1	49.3	50.8	51.4	51.6	52.0	52.0	52.1	52.1	52.1	52.1	52.1
≥ 14000		42.2	44.1	46.3	50.0	50.2	51.7	52.3	52.4	52.9	52.9	53.0	53.0	53.0	53.0	53.0
≥ 12000		43.6	45.4	47.9	51.6	51.8	53.2	53.9	54.0	54.4	54.4	54.6	54.6	54.6	54.6	54.6
≥ 10000		45.4	47.6	50.3	54.1	54.3	55.9	56.6	56.7	57.1	57.1	57.2	57.2	57.2	57.2	57.2
≥ 9000		47.6	49.7	52.7	56.7	56.9	58.7	59.3	59.4	59.9	59.9	60.0	60.0	60.0	60.0	60.0
≥ 8000		53.3	55.6	58.9	63.4	63.8	65.7	66.3	66.4	66.9	66.9	67.0	67.0	67.0	67.0	67.0
≥ 7000		56.1	58.3	61.7	66.4	66.8	68.7	69.3	69.4	69.9	69.9	70.0	70.0	70.0	70.0	70.0
≥ 6000		56.7	58.9	62.2	67.0	67.3	69.3	70.1	70.2	70.8	70.9	71.0	71.0	71.0	71.0	71.0
≥ 5000		61.1	63.3	66.7	71.9	72.2	74.2	75.0	75.1	75.7	75.8	75.9	75.9	75.9	75.9	75.9
≥ 4500		64.2	66.7	70.0	75.3	75.7	77.7	78.6	78.7	79.2	79.3	79.4	79.4	79.4	79.4	79.4
≥ 4000		67.2	69.7	73.1	78.8	79.2	81.3	82.2	82.3	82.9	83.0	83.1	83.1	83.1	83.1	83.1
≥ 3500		72.0	74.6	78.7	84.8	85.4	87.7	88.6	88.7	89.2	89.3	89.4	89.4	89.4	89.4	89.4
≥ 3000		74.2	77.2	81.7	89.0	89.7	92.1	93.1	93.2	93.8	93.9	94.0	94.0	94.0	94.0	94.0
≥ 2500		75.3	78.4	83.0	90.7	91.3	93.8	94.8	94.9	95.4	95.6	95.7	95.7	95.7	95.7	95.7
≥ 2000		76.2	79.7	84.6	92.8	93.4	96.1	97.1	97.2	97.8	97.9	98.0	98.0	98.0	98.0	98.0
≥ 1800		76.4	79.9	84.8	93.0	93.7	96.3	97.3	97.4	98.0	98.1	98.2	98.2	98.2	98.2	98.2
≥ 1500		76.4	79.9	84.8	93.2	93.9	96.7	97.7	97.8	98.3	98.4	98.6	98.6	98.6	98.6	98.6
≥ 1200		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.3	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 1000		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.3	98.9	99.0	99.1	99.1	99.1	99.1	99.1
≥ 900		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 800		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 700		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 600		76.4	80.0	85.0	93.6	94.2	97.1	98.2	98.4	99.0	99.1	99.2	99.2	99.2	99.2	99.2
≥ 500		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0		76.4	80.0	85.0	93.6	94.2	97.2	98.6	99.0	99.7	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 95[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

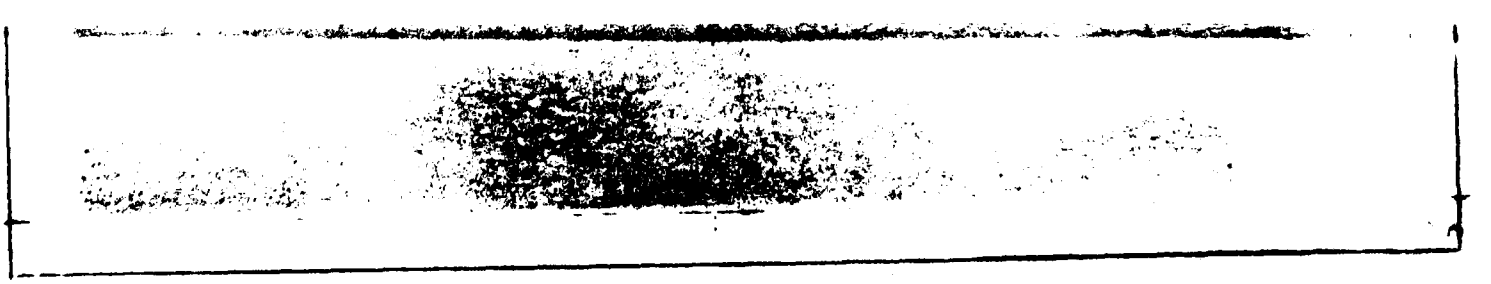
CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	SEP	15 [illegible]-17[illegible]
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		38.3	39.7	40.3	42.6	42.6	42.9	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		48.0	49.6	50.3	52.9	52.9	53.2	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 18000		48.4	51.0	50.8	53.3	53.3	53.7	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000		48.4	50.0	50.8	53.3	53.3	53.7	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000		49.1	5 .9	51.7	54.2	54.2	54.6	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 12000		51.6	53.3	54.1	56.7	56.7	57.0	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000		55.2	57.0	57.9	60.7	60.7	61.1	61.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 9000		57.9	59.7	60.6	63.3	63.3	63.8	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000		63.2	65.3	66.4	69.6	69.6	70.1	70.3	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 7000		65.3	67.4	68.6	71.9	71.9	72.4	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000		66.1	68.3	69.4	72.8	72.8	73.4	73.8	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		70.9	73.3	74.4	78.3	78.3	79.0	79.3	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4500		76.6	79.1	80.3	84.3	84.3	85.0	85.3	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		79.9	82.6	83.8	88.1	88.1	88.8	89.1	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500		83.2	85.9	87.3	92.1	92.1	92.8	93.1	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000		85.3	88.1	89.8	94.9	94.9	95.7	96.0	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 2500		86.1	88.9	90.8	96.1	96.1	96.9	97.3	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000		86.7	89.4	91.6	97.0	97.0	98.0	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1800		86.7	89.4	91.6	97.0	97.0	98.0	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500		86.7	89.4	91.6	97.2	97.2	98.2	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800		86.7	89.4	91.6	97.3	97.4	98.4	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700		86.7	89.4	91.6	97.3	97.4	98.7	99.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600		86.7	89.4	91.6	97.3	97.4	98.8	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.7	89.4	91.6	97.3	97.4	98.8	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		41.6	43.6	44.1	46.6	46.7	47.3	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		49.9	52.0	52.8	55.4	55.6	56.2	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000		50.3	52.4	53.2	55.9	56.0	56.7	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000		50.6	52.7	53.4	56.1	56.2	56.9	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000		50.9	53.0	53.8	56.4	56.6	57.2	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000		53.3	55.4	56.3	59.3	59.4	60.1	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		57.1	59.2	60.1	63.2	63.3	64.0	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000		59.8	61.9	62.8	65.9	66.0	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 8000		66.3	68.8	69.8	73.4	73.6	74.2	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000		68.2	71.0	72.0	75.8	75.9	76.6	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000		70.2	73.0	74.0	77.8	77.9	78.6	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 5000		74.6	77.6	78.7	82.7	82.8	83.4	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500		78.3	81.1	82.3	86.7	86.8	87.4	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000		79.6	82.7	84.0	88.9	89.0	89.7	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3500		83.0	86.2	87.9	93.1	93.3	94.0	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3000		84.6	88.1	89.8	95.1	95.3	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500		85.4	89.0	91.1	96.6	96.8	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000		86.1	89.6	91.7	97.1	97.3	98.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800		86.0	89.6	91.7	97.2	97.4	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500		86.0	89.6	91.7	97.4	97.7	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200		86.0	89.6	91.7	97.4	97.7	98.9	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000		86.0	89.6	91.7	97.4	97.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		86.0	89.6	91.7	97.4	97.7	99.0	99.4	99.8	99.8	99.8	99.8	99.8	99.9	99.8	99.8
≥ 800		86.0	89.6	91.7	97.4	97.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700		86.0	89.6	91.7	97.4	97.7	99.1	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		86.0	89.6	91.7	97.4	97.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 90[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 45 | HEIDELBERG AAF GL | 68-70,74-80 | SEP
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		45.4	48.3	49.9	52.8	52.9	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4
≥ 20000		51.0	53.2	54.8	58.	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.[illegible]	59.[illegible]
≥ 18000		50.0	53.2	54.8	58.1	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.[illegible]
≥ 16000		50.0	53.2	54.8	58.1	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
≥ 14000		50.2	53.4	55.0	58.3	58.4	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
≥ 12000		51.1	54.6	56.6	59.9	60.0	60.3	60.3	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
≥ 10000		55.3	59.0	61.2	64.8	64.9	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7
≥ 9000		57.7	61.3	63.6	67.2	67.3	67.7	67.7	68.[illegible]	68.0	68.0	68.0	68.0	68.1	68.1	68.1
≥ 8000		64.8	69.1	72.1	76.7	76.8	77.1	77.1	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.6
≥ 7000		66.7	71.1	74.1	78.8	78.9	79.2	79.2	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7
≥ 6000		67.7	72.1	75.2	79.9	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8
≥ 5000		70.7	75.6	79.0	84.3	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2
≥ 4500		74.4	79.4	83.1	88.8	88.9	89.2	89.2	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7
≥ 4000		76.3	81.6	85.2	91.1	91.2	91.6	91.6	91.9	91.9	91.9	91.9	91.9	92.[illegible]	92.[illegible]	92.[illegible]
≥ 3500		78.9	84.4	88.3	94.4	94.6	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.4	95.4	95.4
≥ 3000		80.0	85.7	90.0	96.1	96.2	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1
≥ 2500		80.9	86.7	91.0	97.1	97.2	97.6	97.6	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1
≥ 2000		80.9	86.7	91.0	97.2	97.3	97.8	97.8	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3
≥ 1800		81.0	86.8	91.1	97.3	97.4	97.9	97.9	98.2	98.3	98.3	98.3	98.3	98.4	98.4	98.4
≥ 1500		81.1	86.9	91.2	97.4	97.6	98.0	98.0	98.3	98.4	98.4	98.4	98.4	98.6	98.6	98.6
≥ 1200		81.2	87.0	91.3	97.6	97.8	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8
≥ 1000		81.4	87.2	91.6	97.8	98.0	98.4	98.4	98.8	98.9	98.9	98.9	98.9	99.0	99.[illegible]	99.[illegible]
≥ 900		81.4	87.2	91.6	97.8	98.0	98.4	98.4	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.[illegible]
≥ 800		81.4	87.2	91.6	97.8	98.0	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 700		81.4	87.3	91.7	97.9	98.2	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.3
≥ 600		81.4	87.3	91.7	97.9	98.2	98.9	99.0	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6
≥ 500		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 400		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 300		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 200		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 100		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	100.[illegible]
≥ 0		81.4	87.3	91.7	97.9	98.2	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

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

34 48	HEIDELBERG AAF GL	68-70, 74-80	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		35.6	38.4	40.7	44.8	45.0	46.4	47.1	47.3	47.7	47.8	47.8	47.9	48.0	48.1	48.2
≥ 20000		40.5	43.5	46.0	50.6	50.7	52.2	52.9	53.1	53.6	53.7	53.7	53.8	53.9	54.0	54.1
≥ 18000		40.6	43.7	46.2	50.8	50.9	52.4	53.1	53.3	53.8	53.9	53.9	54.0	54.1	54.2	54.3
≥ 16000		40.7	43.8	46.3	50.8	51.0	52.5	53.1	53.4	53.9	54.0	54.0	54.1	54.2	54.2	54.3
≥ 14000		41.0	44.2	46.7	51.3	51.4	53.0	53.6	53.9	54.3	54.4	54.5	54.6	54.6	54.7	54.8
≥ 12000		42.3	45.6	48.2	53.0	53.1	54.7	55.4	55.7	56.1	56.2	56.3	56.3	56.4	56.5	56.6
≥ 10000		45.4	48.9	51.7	56.8	56.9	58.6	59.4	59.7	60.1	60.2	60.3	60.3	60.4	60.5	60.6
≥ 9000		47.5	51.1	54.0	59.3	59.4	61.2	62.0	62.3	62.8	62.9	62.9	63.0	63.1	63.1	63.3
≥ 8000		53.6	57.6	60.9	67.2	67.3	69.4	70.3	70.6	71.2	71.3	71.3	71.4	71.5	71.5	71.7
≥ 7000		55.6	59.8	63.2	69.8	70.0	72.2	73.0	73.4	74.0	74.1	74.1	74.2	74.3	74.3	74.5
≥ 6000		56.7	61.0	64.4	71.0	71.2	73.5	74.4	74.7	75.3	75.4	75.5	75.6	75.6	75.7	75.8
≥ 5000		59.8	64.2	67.7	74.9	75.1	77.4	78.3	78.7	79.3	79.4	79.4	79.5	79.6	79.7	79.8
≥ 4500		63.1	67.8	71.4	78.9	79.1	81.5	82.5	82.8	83.4	83.6	83.6	83.7	83.8	83.8	84.0
≥ 4000		65.6	70.5	74.3	82.2	82.5	85.0	86.0	86.3	87.1	87.2	87.2	87.3	87.4	87.5	87.6
≥ 3500		68.4	73.5	77.5	85.7	86.0	88.6	89.7	90.0	90.8	90.9	90.9	91.0	91.1	91.2	91.3
≥ 3000		69.9	75.2	79.4	88.0	88.3	91.1	92.2	92.5	93.3	93.4	93.5	93.5	93.6	93.7	93.9
≥ 2500		70.7	76.3	80.3	89.2	89.5	92.3	93.5	93.8	94.6	94.8	94.8	94.9	95.0	95.1	95.2
≥ 2000		71.1	76.6	81.1	90.2	90.6	93.6	94.8	95.2	96.0	96.1	96.2	96.3	96.4	96.4	96.6
≥ 1800		71.2	76.7	81.2	90.3	90.7	93.8	95.0	95.4	96.2	96.3	96.4	96.4	96.5	96.6	96.8
≥ 1500		71.3	76.9	81.3	90.7	91.1	94.2	95.5	95.9	96.7	96.8	96.9	97.0	97.1	97.1	97.3
≥ 1200		71.3	76.8	81.4	90.9	91.3	94.5	95.8	96.3	97.1	97.2	97.3	97.3	97.5	97.5	97.7
≥ 1000		71.4	76.9	81.5	90.9	91.3	94.6	96.0	96.4	97.2	97.4	97.4	97.5	97.6	97.7	97.8
≥ 900		71.4	76.9	81.5	91.0	91.3	94.7	96.0	96.5	97.3	97.4	97.4	97.5	97.6	97.7	97.9
≥ 800		71.4	76.9	81.5	91.0	91.4	94.7	96.1	96.6	97.4	97.5	97.6	97.7	97.8	97.8	98.0
≥ 700		71.4	76.9	81.5	91.0	91.4	94.8	96.2	96.7	97.5	97.7	97.7	97.8	97.9	98.0	98.1
≥ 600		71.4	77.0	81.5	91.1	91.5	95.1	96.4	96.9	97.8	97.9	98.0	98.0	98.2	98.2	98.4
≥ 500		71.4	77.0	81.6	91.1	91.5	95.1	96.6	97.1	98.0	98.2	98.2	98.3	98.4	98.5	98.7
≥ 400		71.4	77.0	81.6	91.1	91.5	95.1	96.6	97.1	98.1	98.3	98.4	98.5	98.6	98.7	98.9
≥ 300		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.6	98.8	98.9	99.3
≥ 200		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.6	98.9	99.0	99.5
≥ 100		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.6	98.9	99.1	99.6
≥ 0		71.4	77.0	81.6	91.1	91.5	95.2	96.6	97.1	98.2	98.4	98.5	98.7	99.0	99.2	0.0

TOTAL NUMBER OF OBSERVATIONS 7206

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

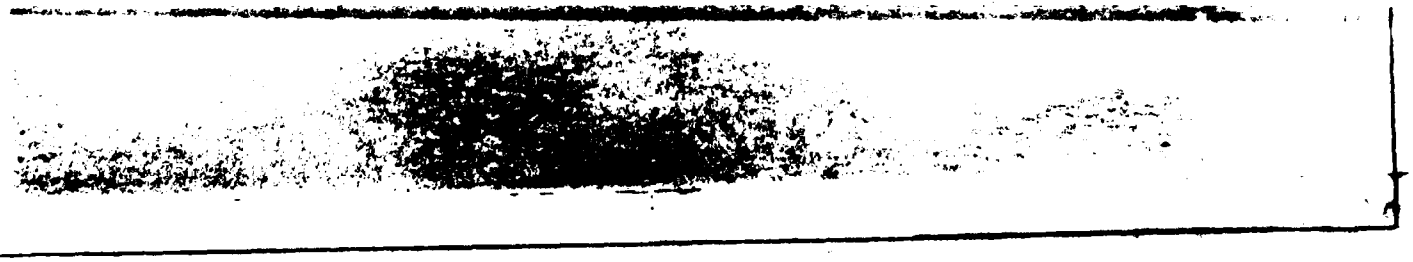
34 48 — STATION
HEIDELBERG AAF GL — STATION NAME
68-70,74-80 — YEARS
OCT — MONTH
0000-0200 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		24.3	26.7	27.0	30.8	31.0	32.2	32.7	32.7	32.9	33.4	33.5	33.8	34.3	34.5	35.2
≥ 20000		26.3	28.8	29.8	33.7	33.9	35.5	36.0	36.0	36.3	36.9	37.0	37.2	37.7	38.1	38.6
≥ 18000		26.3	28.8	29.8	33.7	33.9	35.5	36.0	36.0	36.3	36.9	37.0	37.2	37.7	38.0	38.6
≥ 16000		26.3	28.8	29.8	33.7	33.9	35.5	36.0	36.0	36.3	36.9	37.0	37.2	37.7	38.0	38.6
≥ 14000		26.5	29.0	30.0	33.9	34.1	35.7	36.2	36.2	36.6	37.1	37.2	37.4	38.0	38.2	38.8
≥ 12000		28.0	30.5	31.5	35.7	35.9	37.5	38.1	38.1	38.4	38.9	39.0	39.2	39.8	40.0	40.6
≥ 10000		30.9	33.4	34.4	38.7	38.9	40.5	41.3	41.3	41.7	42.3	42.4	42.6	43.1	43.3	44.0
≥ 9000		32.3	35.3	36.3	40.8	41.0	42.6	43.3	43.3	43.8	44.3	44.4	44.6	45.2	45.4	46.1
≥ 8000		38.7	41.9	43.2	48.9	49.2	51.2	51.9	51.9	52.4	52.9	53.0	53.2	53.9	54.2	54.8
≥ 7000		39.2	42.9	44.4	50.3	50.6	52.9	53.7	53.7	54.2	54.7	54.8	55.1	55.7	56.0	56.7
≥ 6000		39.7	43.4	45.1	51.1	51.4	53.7	54.4	54.4	55.1	55.6	55.7	55.9	56.6	56.9	57.5
≥ 5000		43.3	47.2	48.8	55.2	55.5	57.8	58.6	58.6	59.2	59.8	59.9	60.1	60.8	61.1	61.7
≥ 4500		47.5	51.4	53.4	60.4	60.8	63.2	64.0	64.0	64.6	65.2	65.3	65.5	66.1	66.5	67.1
≥ 4000		49.6	53.9	56.1	63.5	63.9	66.3	67.1	67.1	67.7	68.3	68.4	68.6	69.2	69.6	70.2
≥ 3500		51.4	56.3	58.9	66.7	67.2	69.8	70.6	70.6	71.3	71.8	71.9	72.2	72.8	73.1	73.8
≥ 3000		53.0	58.1	60.9	69.4	69.9	72.8	73.9	73.9	74.5	75.1	75.2	75.4	76.0	76.3	77.0
≥ 2500		54.7	60.6	63.9	72.6	73.2	76.1	77.3	77.3	78.0	78.5	78.6	78.8	79.5	79.8	80.4
≥ 2000		55.8	62.5	66.1	75.3	75.9	79.0	80.3	80.3	81.2	81.7	81.8	82.0	82.7	83.0	83.7
≥ 1800		55.8	62.5	66.1	75.5	76.1	79.2	80.5	80.5	81.4	81.9	82.0	82.3	82.9	83.2	83.9
≥ 1500		56.2	63.0	67.1	77.5	78.2	81.3	82.6	82.8	83.7	84.2	84.3	84.5	85.2	85.5	86.1
≥ 1200		56.3	63.1	67.3	78.4	79.0	82.3	83.5	83.9	84.7	85.3	85.4	85.6	86.2	86.6	87.2
≥ 1000		56.6	63.5	67.7	78.8	79.5	83.0	84.5	84.8	85.7	86.2	86.3	86.6	87.2	87.5	88.2
≥ 900		56.8	63.5	67.8	79.1	79.8	83.5	85.1	85.4	86.2	86.8	86.9	87.1	87.7	88.1	88.7
≥ 800		56.8	63.5	67.8	79.1	79.8	83.7	85.2	85.5	86.3	86.9	87.0	87.2	87.8	88.2	88.8
≥ 700		56.8	63.5	67.8	79.4	80.0	84.2	85.9	86.2	87.1	87.6	87.7	88.0	88.6	88.9	89.6
≥ 600		56.9	63.7	68.1	80.0	80.6	84.9	86.7	87.0	87.8	88.4	88.5	88.7	89.4	89.7	90.3
≥ 500		56.9	63.7	68.1	80.6	81.5	85.8	87.5	87.8	88.7	89.2	89.4	89.6	90.2	90.5	91.3
≥ 400		56.9	63.7	68.1	80.6	81.5	85.8	87.5	87.8	88.7	89.2	89.4	89.6	90.2	90.5	91.5
≥ 300		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.6	89.8	90.5	91.0	92.0
≥ 200		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.7	90.0	90.9	91.3	93.3
≥ 100		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.7	90.0	91.0	91.7	97.7
≥ 0		56.9	63.7	68.1	80.6	81.5	86.0	87.7	88.1	88.9	89.5	89.7	90.0	91.0	91.7	100.0

TOTAL NUMBER OF OBSERVATIONS 93

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

38 46	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

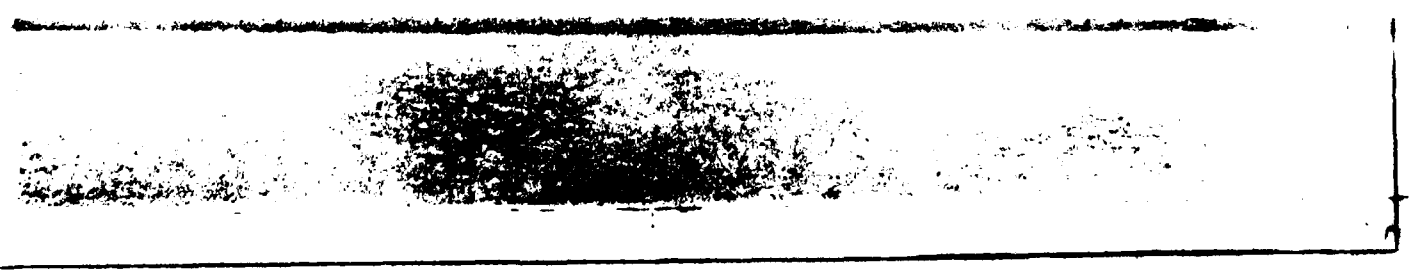
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		1[illegible].8	22.2	24.5	27.7	27.7	28.4	29.0	29.2	29.5	29.9	29.9	30.1	30.5	30.6	31.7
≥ 20000		21.4	23.9	26.3	30.3	30.5	31.6	32.3	32.5	32.7	33.1	33.1	33.3	33.8	33.9	35.1
≥ 18000		21.4	23.9	26.3	30.3	30.5	31.6	32.3	32.5	32.7	33.1	33.1	33.3	33.8	33.9	35.1
≥ 6000		21.4	23.9	26.3	30.3	30.5	31.6	32.3	32.5	32.7	33.1	33.1	33.3	33.8	33.9	35.1
≥ 14000		21.[illegible]	24.4	26.9	31.0	31.2	32.3	32.9	33.1	33.3	33.8	33.8	34.0	34.4	34.5	35.7
≥ 12000		21.5	24.9	27.4	31.6	31.8	32.9	33.5	33.8	34.0	34.4	34.4	34.6	35.1	35.2	36.3
≥ 10000		24.2	27.8	30.5	34.9	35.2	36.3	37.0	37.2	37.4	37.8	37.8	38.1	38.5	38.6	39.8
≥ 9000		25.6	29.7	32.5	37.3	37.5	38.7	39.4	39.6	39.8	40.2	40.2	40.4	40.9	41.0	42.2
≥ 8000		32.0	36.[illegible]	39.8	45.3	45.5	47.1	47.7	48.[illegible]	48.2	48.6	48.6	48.8	49.2	49.4	50.5
≥ 7000		33.0	38.2	41.1	46.7	46.9	48.5	49.2	49.5	49.7	50.1	50.1	50.3	50.8	50.9	52.[illegible]
≥ 6000		33.2	38.4	41.3	46.9	47.1	48.7	49.7	49.9	50.1	50.5	50.5	50.8	51.2	51.3	52.5
≥ 5000		33.4	41.2	44.1	50.4	50.6	52.4	53.3	53.5	54.0	54.4	54.4	54.6	55.1	55.2	56.3
≥ 4500		39.0	45.3	48.6	55.2	55.4	57.2	58.2	58.4	58.8	59.2	59.2	59.5	59.9	60.0	61.2
≥ 4000		41.4	47.8	51.3	57.8	58.2	60.1	61.1	61.3	61.7	62.2	62.2	62.4	62.8	62.9	64.1
≥ 3500		44.5	51.5	55.4	62.3	62.6	64.6	65.6	65.8	66.2	66.7	66.7	66.9	67.3	67.4	68.6
≥ 3000		45.7	53.2	57.5	65.6	65.9	68.2	69.5	69.7	70.1	70.5	70.5	70.8	71.2	71.3	72.5
≥ 2500		47.8	55.9	61.2	69.5	69.8	72.3	73.5	73.8	74.2	74.6	74.6	74.8	75.3	75.4	76.6
≥ 2000		48.7	57.3	62.8	72.0	72.4	75.3	77.0	77.2	77.6	78.1	78.1	78.3	78.7	78.8	80.0
≥ 1800		48.8	57.4	62.9	72.3	72.6	75.5	77.2	77.4	77.8	78.3	78.3	78.5	78.9	79.0	80.2
≥ 1500		49.0	57.6	63.1	73.1	73.5	76.9	78.6	78.8	79.2	79.7	79.7	79.9	80.3	80.4	81.6
≥ 1200		49.0	57.6	63.3	74.0	74.6	78.2	80.0	80.2	80.6	81.1	81.1	81.3	81.7	81.8	83.0
≥ 1000		49.5	58.1	63.8	74.4	75.1	78.9	80.8	81.0	81.7	82.2	82.2	82.4	82.9	83.0	84.3
≥ 900		49.6	58.2	64.0	74.6	75.3	79.5	81.3	81.5	82.3	82.7	82.7	82.9	83.4	83.5	84.8
≥ 800		49.9	58.5	64.4	75.1	75.7	79.9	81.7	81.9	82.7	83.1	83.1	83.3	83.9	84.0	85.3
≥ 700		50.1	58.7	64.6	75.3	75.9	80.2	82.0	82.3	83.0	83.4	83.4	83.7	84.2	84.3	85.6
≥ 600		50.2	58.8	64.8	75.6	76.2	80.9	83.0	83.2	84.2	84.8	84.8	85.1	85.6	85.7	87.[illegible]
≥ 500		50.2	58.8	64.8	76.3	77.1	82.2	84.4	84.6	85.8	86.5	86.5	86.7	87.2	87.3	98.6
≥ 400		50.2	58.8	64.8	76.6	77.3	82.5	84.8	85.1	86.5	87.2	87.2	87.4	88.1	88.3	89.9
≥ 300		50.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.0	87.7	88.0	88.3	88.9	89.1	91.0
≥ 200		50.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.1	87.8	88.2	88.6	89.4	89.8	92.7
≥ 100		50.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.1	87.8	88.3	88.8	89.9	90.5	96.8
≥ 0		50.2	58.8	64.8	76.6	77.3	82.8	85.2	85.4	87.1	87.8	88.3	88.8	89.9	90.6	100.0

TOTAL NUMBER OF OBSERVATIONS 97[illegible]

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

34 40	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		9.9	11.6	13.5	17.2	17.5	19.2	20.1	20.1	20.9	21.0	21.0	21.4	21.6	21.7	23.1
≥ 20000		11.6	13.4	15.8	19.9	20.2	22.4	23.5	23.5	24.3	24.4	24.4	24.9	25.3	25.4	26.9
≥ 18000		11.6	13.4	15.8	19.9	20.2	22.4	23.5	23.5	24.3	24.4	24.4	24.9	25.3	25.4	26.9
≥ 16000		11.7	13.5	15.9	20.0	20.3	22.5	23.7	23.7	24.4	24.5	24.5	25.1	25.4	25.5	27.0
≥ 14000		12.5	14.3	16.7	20.9	21.2	23.3	24.5	24.5	25.3	25.4	25.4	25.9	26.2	26.3	27.8
≥ 12000		13.1	14.9	17.3	21.7	22.0	24.2	25.4	25.4	26.1	26.2	26.2	26.8	27.2	27.3	28.8
≥ 10000		15.1	16.9	19.4	24.0	24.3	26.6	27.8	27.8	28.6	28.7	28.7	29.2	29.7	29.8	31.3
≥ 9000		16.0	18.1	20.8	25.7	26.0	28.4	29.8	29.8	30.5	30.6	30.6	31.2	31.6	31.7	33.2
≥ 8000		20.0	23.2	26.8	32.9	33.2	35.8	37.3	37.3	38.2	38.3	38.3	38.8	39.2	39.4	41.0
≥ 7000		20.9	24.3	28.0	34.1	34.4	37.0	38.5	38.5	39.4	39.5	39.5	40.0	40.4	40.5	42.2
≥ 6000		21.1	24.5	28.4	34.7	35.1	37.6	39.1	39.1	40.0	40.1	40.1	40.6	41.1	41.2	42.8
≥ 5000		22.4	26.5	30.3	38.0	38.3	40.9	42.5	42.5	43.4	43.7	43.7	44.2	44.6	44.7	46.3
≥ 4500		25.4	29.6	33.5	41.6	41.9	44.7	46.5	46.5	47.6	47.8	47.8	48.4	48.8	48.9	50.5
≥ 4000		27.7	32.3	36.6	45.4	45.8	48.6	50.3	50.4	51.7	51.9	51.9	52.5	52.9	53.0	54.6
≥ 3500		30.9	35.8	40.6	50.2	50.8	53.8	55.8	55.9	57.2	57.4	57.4	58.0	58.4	58.5	60.1
≥ 3000		33.1	38.6	43.5	53.8	54.4	57.5	59.8	59.9	61.2	61.4	61.4	61.9	62.4	62.5	64.1
≥ 2500		34.1	39.8	45.7	56.5	57.1	60.4	62.7	62.8	64.1	64.3	64.3	64.8	65.3	65.4	67.2
≥ 2000		36.2	42.5	49.0	60.8	61.6	65.8	68.8	68.9	70.5	70.8	70.8	71.3	71.8	71.9	73.5
≥ 1800		36.2	42.7	49.2	61.4	62.3	66.6	69.7	69.8	71.4	71.6	71.6	72.2	72.7	72.8	74.4
≥ 1500		37.1	43.7	50.3	63.1	64.1	69.8	73.1	73.2	74.8	75.1	75.1	75.6	76.1	76.2	77.8
≥ 1200		37.2	43.9	51.0	64.0	65.2	71.2	74.5	74.7	76.3	76.6	76.6	77.1	77.6	77.7	79.4
≥ 1000		37.3	44.0	51.1	65.1	66.3	72.8	76.3	76.6	78.3	78.6	78.6	79.1	79.7	79.8	81.5
≥ 900		37.3	44.0	51.1	65.2	66.5	73.1	76.7	76.9	78.6	78.9	78.9	79.5	80.0	80.1	81.8
≥ 800		37.4	44.1	51.4	66.0	67.3	74.0	77.6	77.8	79.7	80.0	80.1	80.6	81.2	81.3	83.0
≥ 700		37.4	44.1	51.5	66.2	67.5	74.2	78.0	78.2	80.2	80.6	80.8	81.3	81.8	81.9	83.7
≥ 600		37.6	44.4	51.8	66.7	68.0	75.1	79.2	79.5	81.7	82.2	82.4	82.9	83.4	83.5	85.3
≥ 500		37.6	44.4	51.8	66.8	68.1	75.5	80.3	80.6	83.3	84.0	84.2	84.7	85.3	85.4	87.2
≥ 400		37.6	44.4	51.8	66.9	68.2	75.7	80.8	81.3	84.1	84.9	85.2	85.8	86.5	86.7	89.2
≥ 300		37.6	44.4	51.8	66.9	68.2	75.7	80.8	81.4	84.5	85.5	85.9	86.6	87.3	87.8	91.3
≥ 200		37.6	44.4	51.8	66.9	68.2	75.8	81.0	81.6	84.7	85.7	86.2	87.1	88.0	88.6	93.3
≥ 100		37.6	44.4	51.8	66.9	68.2	75.8	81.1	81.7	84.8	85.8	86.3	87.4	88.6	89.4	97.2
≥ 0		37.6	44.4	51.8	66.9	68.2	75.8	81.1	81.7	84.8	85.8	86.3	87.4	88.7	89.5	100.0

TOTAL NUMBER OF OBSERVATIONS 93

USAF ETAC FORM JUL 68 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 45	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		13.5	15.3	16.7	19.7	19.9	20.8	21.2	21.4	21.9	22.4	22.4	22.6	22.8	22.9	23.1
≥ 20000		16.7	19.3	20.6	24.6	24.8	26.0	26.6	26.8	27.8	28.3	28.3	28.5	28.7	28.8	29.
≥ 18000		16.7	19.0	20.6	24.6	24.8	26.0	26.6	26.8	27.8	28.3	28.3	28.5	28.7	28.8	29.0
≥ 16000		16.7	19.0	20.6	24.6	24.8	26.0	26.6	26.8	27.8	28.3	28.3	28.5	28.7	28.8	29.0
≥ 14000		16.8	19.1	20.8	24.8	25.1	26.3	26.9	27.1	28.2	28.6	28.6	28.8	29.0	29.1	29.4
≥ 12000		17.1	19.5	21.2	25.3	25.5	26.8	27.3	27.5	28.7	29.1	29.1	29.4	29.6	29.7	29.9
≥ 10000		19.0	21.4	23.5	27.7	28.0	29.5	30.4	30.6	32.2	32.6	32.6	33.0	33.2	33.3	33.5
≥ 9000		19.9	22.5	24.6	28.8	29.0	30.6	31.8	32.0	33.5	34.0	34.0	34.4	34.6	34.7	34.9
≥ 8000		22.0	25.4	27.7	33.5	33.8	35.8	37.2	37.4	39.1	39.6	39.6	40.0	40.2	40.3	40.5
≥ 7000		23.2	26.7	29.1	35.6	35.8	38.0	39.4	39.6	41.3	41.7	41.7	42.2	42.4	42.5	42.7
≥ 6000		24.1	27.7	30.2	36.9	37.1	39.2	40.9	41.1	42.8	43.2	43.2	43.7	43.9	44.0	44.2
≥ 5000		25.8	29.6	32.3	39.1	39.4	41.6	43.2	43.4	45.3	45.7	45.7	46.1	46.3	46.5	46.7
≥ 4500		29.7	33.8	36.6	44.3	44.5	47.0	48.6	48.8	50.6	51.1	51.1	51.5	51.7	51.8	52.0
≥ 4000		31.6	36.1	39.0	47.4	47.6	50.2	51.8	52.0	54.1	54.5	54.5	54.9	55.2	55.3	55.5
≥ 3500		35.3	41.2	43.3	52.5	52.8	55.5	57.1	57.6	59.7	60.1	60.1	60.5	60.8	60.9	61.1
≥ 3000		36.1	41.5	44.8	54.5	54.9	57.8	59.5	60.0	62.0	62.5	62.5	62.9	63.1	63.2	63.4
≥ 2500		37.4	43.1	46.6	57.4	57.8	60.9	62.6	63.1	65.3	65.7	65.7	66.1	66.5	66.6	66.8
≥ 2000		38.8	44.9	49.4	63.9	64.4	67.7	69.7	70.3	72.6	73.0	73.0	73.4	73.8	73.9	74.1
≥ 1800		38.9	45.1	49.6	64.5	65.1	68.4	70.3	71.0	73.2	73.7	73.7	74.1	74.4	74.5	74.7
≥ 1500		39.8	46.2	50.9	67.5	68.7	72.6	74.7	75.5	78.0	78.4	78.4	78.8	79.1	79.4	79.6
≥ 1200		40.0	46.5	51.2	68.7	70.0	74.1	76.5	77.2	79.7	80.1	80.2	80.6	81.0	81.2	81.4
≥ 1000		40.0	46.5	51.2	69.8	71.1	75.6	78.0	78.9	81.5	82.0	82.2	82.6	82.9	83.1	83.3
≥ 900		40.0	46.6	51.3	69.9	71.2	75.8	78.4	79.4	81.9	82.5	82.6	83.0	83.3	83.5	83.8
≥ 800		40.0	46.6	51.3	70.2	71.5	76.1	78.8	79.8	82.4	82.9	83.0	83.4	83.8	84.0	84.2
≥ 700		40.0	46.6	51.3	70.6	72.0	76.9	79.9	80.9	83.5	84.1	84.2	84.6	84.9	85.2	85.4
≥ 600		40.1	46.7	51.4	70.9	72.3	77.2	80.8	81.7	84.8	85.4	85.5	85.9	86.2	86.5	86.7
≥ 500		40.1	46.7	51.4	71.2	72.7	77.8	81.6	82.8	86.6	87.1	87.2	87.6	88.0	88.2	88.5
≥ 400		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.3	88.2	88.3	89.0	89.6	89.9	90.5
≥ 300		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.2	91.2	91.7	92.7
≥ 200		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.4	92.5	93.4	96.1
≥ 100		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.5	93.1	94.4	99.0
≥ 0		40.1	46.7	51.4	71.2	72.7	78.1	82.3	83.4	87.7	88.8	89.4	90.5	93.1	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 93

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

34 46	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

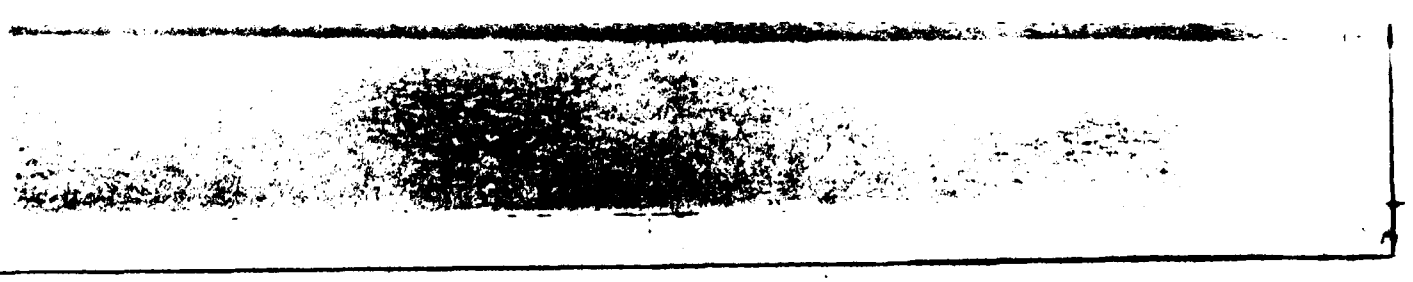
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		19.8	21.1	23.2	26.9	27.0	28.5	29.0	29.4	30.2	30.3	30.4	30.4	30.4	30.4	30.4
≥ 20000		23.2	24.7	27.0	31.5	31.6	33.2	33.9	34.3	35.2	35.4	35.5	35.5	35.5	35.5	35.5
≥ 18000		23.7	25.2	27.4	31.9	32.0	33.7	34.3	34.7	35.6	35.8	35.9	35.9	35.9	35.9	35.9
≥ 16000		23.7	25.2	27.4	31.9	32.0	33.7	34.3	34.7	35.6	35.8	35.9	35.9	35.9	35.9	35.9
≥ 14000		23.9	25.4	27.6	32.3	32.4	34.0	34.6	35.1	35.9	36.1	36.2	36.2	36.2	36.2	36.2
≥ 12000		24.2	25.8	28.2	32.8	32.9	34.6	35.3	35.7	36.6	36.8	36.9	36.9	36.9	36.9	36.9
≥ 10000		26.2	28.2	30.5	35.6	35.7	37.6	38.3	38.7	39.9	40.1	40.2	40.2	40.2	40.2	40.2
≥ 9000		27.1	29.0	31.4	36.5	36.6	38.7	39.4	39.8	41.0	41.2	41.3	41.3	41.3	41.3	41.3
≥ 8000		30.3	32.4	35.1	41.0	41.2	43.4	44.3	44.7	45.9	46.1	46.2	46.2	46.2	46.2	46.2
≥ 7000		31.8	34.1	37.0	43.4	43.8	46.1	47.0	47.4	48.6	48.8	48.9	48.9	48.9	48.9	48.9
≥ 6000		32.6	34.9	38.0	44.5	44.8	47.2	48.1	48.5	49.7	49.9	50.0	50.0	50.0	50.0	50.0
≥ 5000		33.4	38.0	41.0	47.8	48.2	50.8	51.6	52.0	53.2	53.4	53.5	53.5	53.5	53.5	53.5
≥ 4500		39.2	42.4	45.4	52.3	52.6	55.3	56.1	56.6	57.7	58.0	58.1	58.1	58.1	58.1	58.1
≥ 4000		41.9	45.8	48.7	56.2	56.7	59.6	60.8	61.2	62.4	62.6	62.7	62.7	62.7	62.7	62.7
≥ 3500		46.2	50.1	53.7	61.8	62.6	65.6	66.8	67.2	68.5	68.7	68.8	68.8	68.8	68.8	68.8
≥ 3000		46.5	52.7	56.6	65.1	65.8	69.0	70.2	70.6	72.0	72.3	72.4	72.4	72.4	72.4	72.4
≥ 2500		51.8	56.7	60.9	70.2	71.2	74.8	76.1	76.6	78.0	78.2	78.3	78.3	78.3	78.3	78.3
≥ 2000		53.1	58.3	63.2	74.3	75.5	79.5	80.9	81.4	83.0	83.2	83.3	83.3	83.3	83.3	83.3
≥ 1800		53.1	58.6	63.7	75.7	76.9	81.0	82.5	83.0	84.6	84.8	84.9	84.9	84.9	84.9	84.9
≥ 1500		53.4	59.1	64.9	78.3	79.5	83.7	85.3	85.8	87.4	87.6	87.7	87.7	87.7	87.7	87.7
≥ 1200		53.8	59.5	65.7	80.2	81.7	85.9	87.5	88.1	89.7	89.9	90.0	90.0	90.0	90.0	90.0
≥ 1000		53.8	59.7	65.9	81.2	82.9	87.7	89.4	89.9	91.6	91.8	91.9	91.9	91.9	91.9	91.9
≥ 900		53.8	59.7	65.9	81.2	83.1	88.0	89.8	90.3	92.0	92.3	92.4	92.4	92.4	92.4	92.4
≥ 800		53.8	59.7	65.9	81.6	83.5	88.4	90.5	91.3	93.1	93.3	93.4	93.4	93.4	93.4	93.4
≥ 700		53.8	59.7	65.9	81.9	83.9	88.8	91.1	91.9	93.8	94.0	94.1	94.1	94.1	94.1	94.1
≥ 600		53.8	59.7	65.9	82.0	84.0	89.0	92.0	93.0	94.9	95.2	95.3	95.3	95.3	95.3	95.3
≥ 500		53.8	59.7	65.9	82.0	84.0	89.0	92.0	93.2	95.6	96.1	96.3	96.8	96.8	96.8	96.8
≥ 400		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.3	97.4	98.1	98.8	98.8	98.9	98.9
≥ 300		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.0	99.2	99.2
≥ 200		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.5	99.7	99.7
≥ 100		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.5	99.9	100.0
≥ 0		53.8	59.7	65.9	82.0	84.0	89.1	92.3	93.8	96.5	97.5	98.3	99.0	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 931

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

38 46	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		24.1	25.8	27.5	30.8	30.8	32.2	32.8	33.1	33.2	33.2	33.2	33.3	33.3	33.5	33.5
≥ 20000		28.1	30.5	32.3	35.7	35.7	37.4	38.4	38.7	39.1	39.1	39.2	39.4	39.5	39.7	39.7
≥ 18000		28.9	31.5	33.2	36.8	36.8	38.5	39.5	39.8	40.2	40.2	40.3	40.4	40.5	40.8	40.8
≥ 16000		28.9	31.5	33.2	36.9	36.9	38.6	39.6	39.9	40.3	40.3	40.4	40.5	40.6	40.9	40.9
≥ 14000		29.6	32.2	33.9	37.6	37.6	39.4	40.3	40.6	41.1	41.1	41.2	41.3	41.4	41.6	41.6
≥ 12000		31.0	33.5	35.3	39.1	39.1	40.9	41.9	42.3	42.7	42.7	42.8	42.9	43.0	43.2	43.2
≥ 10000		33.0	35.8	37.5	41.6	41.6	43.5	44.7	45.1	45.6	45.6	45.7	45.8	45.9	46.1	46.1
≥ 9000		34.2	37.4	39.1	43.3	43.3	45.3	46.5	46.8	47.4	47.4	47.5	47.6	47.7	48.0	48.0
≥ 8000		38.3	41.8	43.7	48.2	48.2	50.2	51.5	51.9	52.8	52.8	52.9	53.0	53.1	53.3	53.3
≥ 7000		40.3	44.3	46.2	50.9	50.9	53.1	54.4	54.7	55.7	55.7	55.8	55.9	56.0	56.2	56.2
≥ 6000		41.8	45.9	48.1	52.7	52.7	54.9	56.2	56.6	57.5	57.5	57.6	57.7	57.8	58.1	58.1
≥ 5000		44.9	49.5	51.9	57.0	57.0	59.4	60.6	61.0	61.9	61.9	62.0	62.2	62.3	62.5	62.5
≥ 4500		49.5	54.2	56.7	62.2	62.2	64.5	65.8	66.1	67.1	67.1	67.2	67.3	67.4	67.6	67.6
≥ 4000		52.3	57.3	60.0	66.0	66.0	68.5	70.0	70.3	71.5	71.5	71.6	71.7	71.8	72.0	72.0
≥ 3500		56.1	62.1	65.5	72.0	72.0	74.8	76.3	76.7	77.8	77.8	78.0	78.1	78.2	78.4	78.4
≥ 3000		58.7	64.9	68.5	75.7	75.7	78.7	80.3	80.6	81.9	81.9	82.0	82.2	82.3	82.5	82.5
≥ 2500		61.3	67.8	71.4	79.2	79.2	82.4	84.1	84.4	85.7	85.7	85.8	85.9	86.0	86.2	86.2
≥ 2000		61.6	68.8	73.9	83.0	83.0	86.6	88.4	88.9	90.4	90.4	90.5	90.6	90.8	91.0	91.0
≥ 1800		61.6	68.8	74.0	83.8	83.8	87.3	89.1	89.8	91.3	91.3	91.4	91.5	91.6	91.8	91.8
≥ 1500		61.7	69.1	74.3	84.8	84.8	88.4	90.3	91.1	92.6	92.6	92.7	92.8	92.9	93.1	93.1
≥ 1200		61.7	69.1	74.5	85.5	85.8	89.8	91.8	92.6	94.2	94.2	94.3	94.4	94.5	94.7	94.7
≥ 1000		61.7	69.1	74.5	85.5	85.8	90.1	92.2	92.9	94.5	94.5	94.6	94.7	94.8	95.1	95.1
≥ 900		61.7	69.1	74.5	85.5	85.8	90.1	92.4	93.1	94.7	94.7	94.8	94.9	95.1	95.3	95.3
≥ 800		61.7	69.2	74.6	85.9	86.2	90.5	92.8	93.7	95.4	95.4	95.5	95.6	95.7	95.9	95.9
≥ 700		61.7	69.4	74.7	86.0	86.3	90.6	93.0	93.9	95.7	95.7	95.8	95.9	96.0	96.2	96.2
≥ 600		61.7	69.4	74.7	86.0	86.3	90.6	93.3	94.3	96.1	96.3	96.5	96.6	96.7	96.9	96.9
≥ 500		61.7	69.4	74.7	86.2	86.6	90.9	93.7	94.9	96.8	97.1	97.2	97.7	97.8	98.2	98.2
≥ 400		61.7	69.4	74.7	86.2	86.6	90.9	93.7	94.9	96.9	97.4	97.5	98.2	98.5	98.8	98.8
≥ 300		61.7	69.4	74.7	86.2	86.6	90.9	93.7	94.9	96.9	97.4	97.6	98.4	98.8	99.1	99.1
≥ 200		61.7	69.4	74.7	86.2	86.6	90.9	93.7	94.9	96.9	97.4	97.6	98.4	98.8	99.4	99.4
≥ 100		61.7	69.4	74.7	86.2	86.6	90.9	93.7	94.9	96.9	97.4	97.6	98.4	98.8	99.5	100.0
≥ 0		61.7	69.4	74.7	86.2	86.6	90.9	93.7	94.9	96.9	97.4	97.6	98.4	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

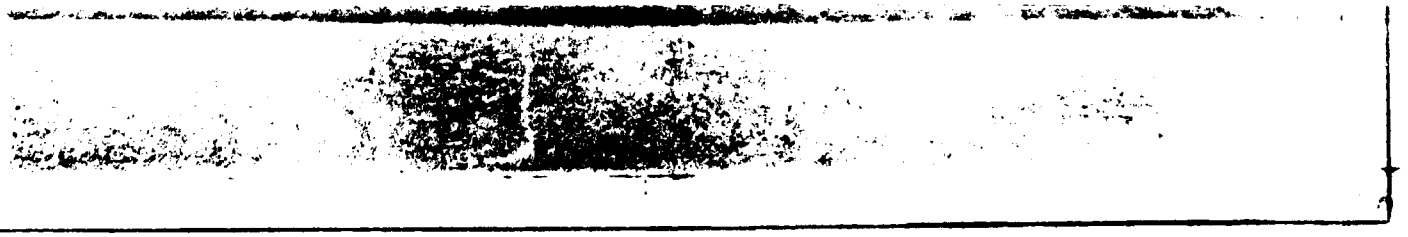
CEILING VERSUS VISIBILITY

3 46 — STATION
HEIDELBERG AAF GE — STATION NAME
68-70,74-80 — YEARS
OCT — MONTH
1800-2000 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		28.	27.1	28.0	31.5	31.7	33.7	34.5	34.6	35.5	35.5	35.5	35.5	35.6	35.6	35.8
≥ 20000		29.2	31.5	31.6	35.2	35.6	38.0	38.9	39.0	39.9	39.9	39.9	39.9	40.3	40.0	40.2
≥ 18000		29.5	31.8	31.8	35.4	35.8	38.2	39.1	39.2	40.1	40.1	40.1	40.1	40.2	40.2	40.4
≥ 16000		29.5	31.8	31.8	35.4	35.8	38.2	39.1	39.2	40.1	40.1	40.1	40.1	40.2	40.2	40.4
≥ 14000		31.4	31.7	32.8	36.3	36.8	39.1	40.1	40.2	41.1	41.1	41.1	41.1	41.2	41.2	41.4
≥ 12000		31.5	32.9	34.2	37.8	38.3	40.8	41.7	41.8	42.7	42.7	42.7	42.7	42.8	42.8	43.0
≥ 10000		34.2	35.9	37.3	41.1	41.6	44.2	45.4	45.8	46.8	46.8	46.8	46.8	46.9	46.9	47.1
≥ 9000		35.1	36.8	38.2	42.3	42.8	45.4	46.6	47.0	48.1	48.1	48.1	48.1	48.2	48.2	48.4
≥ 8000		40.4	42.6	44.4	49.1	49.7	53.3	54.6	55.1	56.3	56.3	56.3	56.3	56.5	56.5	56.7
≥ 7000		42.4	44.6	46.5	51.2	51.8	55.5	56.9	57.3	58.6	58.6	58.6	58.6	58.7	58.7	58.9
≥ 6000		43.3	45.7	47.6	52.6	53.2	56.9	58.3	58.7	60.0	60.0	60.0	60.0	60.1	60.1	60.3
≥ 5000		46.8	49.9	52.0	57.6	58.3	61.9	63.3	63.8	65.1	65.1	65.1	65.1	65.2	65.2	65.4
≥ 4500		51.1	54.4	56.8	63.0	63.7	67.4	68.8	69.2	70.5	70.5	70.5	70.5	70.6	70.6	70.9
≥ 4000		52.7	56.2	59.0	65.6	66.2	70.1	71.5	71.9	73.3	73.3	73.3	73.3	73.4	73.4	73.7
≥ 3500		56.5	60.2	63.1	70.2	70.9	74.9	76.3	76.8	78.2	78.2	78.2	78.2	78.3	78.3	78.5
≥ 3000		58.0	62.0	65.2	72.7	73.5	77.6	79.0	79.5	81.1	81.2	81.2	81.2	81.3	81.3	81.5
≥ 2500		59.7	64.0	67.5	76.6	77.4	81.6	83.0	83.7	85.3	85.4	85.4	85.4	85.5	85.5	85.7
≥ 2000		61.2	66.0	70.4	81.0	82.0	87.1	88.5	89.2	90.9	91.0	91.0	91.0	91.1	91.1	91.3
≥ 1800		61.2	66.0	70.5	81.4	82.5	87.5	88.9	89.7	91.3	91.4	91.4	91.4	91.5	91.5	91.7
≥ 1500		61.6	66.5	71.0	82.5	83.5	88.9	90.3	91.1	92.7	92.8	92.8	92.8	92.9	92.9	93.1
≥ 1200		61.6	66.5	71.0	82.5	83.8	89.5	90.9	91.6	93.2	93.3	93.3	93.3	93.4	93.4	93.7
≥ 1000		61.6	66.5	71.1	82.9	84.3	90.1	91.5	92.3	93.9	94.0	94.0	94.0	94.1	94.1	94.3
≥ 900		61.6	66.5	71.1	82.9	84.3	90.1	91.5	92.3	93.9	94.0	94.0	94.0	94.1	94.1	94.3
≥ 800		61.6	66.5	71.1	83.0	84.4	90.2	91.7	92.5	94.1	94.2	94.2	94.2	94.3	94.3	94.5
≥ 700		61.6	66.5	71.1	83.1	84.5	90.3	91.8	92.6	94.2	94.3	94.3	94.3	94.4	94.4	94.6
≥ 600		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.5	95.2	95.3	95.3	95.3	95.4	95.4	95.6
≥ 500		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.5	95.6	95.6	95.6	95.8	95.8	96.0
≥ 400		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.5	95.6	95.6	95.6	95.8	95.8	96.0
≥ 300		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.3	96.6	97.1
≥ 200		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.6	96.9	97.7
≥ 100		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.6	97.1	99.8
≥ 0		61.6	66.5	71.3	83.4	85.1	91.0	92.8	93.9	95.7	95.8	96.1	96.1	96.6	97.1	100.

TOTAL NUMBER OF OBSERVATIONS 93



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF GE	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ ¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		26.8	26.9	27.7	32.4	32.7	34.4	35.1	35.2	35.9	36.0	36.1	36.3	36.8	36.9	37.1
≥ 20000		28.5	29.4	30.4	35.3	35.6	37.4	38.2	38.3	39.2	39.4	39.5	39.7	40.1	40.2	40.4
≥ 18000		28.5	29.4	30.4	35.3	35.6	37.4	38.2	38.3	39.2	39.4	39.5	39.7	40.1	40.2	40.4
≥ 16000		28.6	29.5	30.5	35.4	35.7	37.5	38.3	38.4	39.4	39.5	39.6	39.8	40.2	40.3	40.5
≥ 14000		29.0	29.9	31.0	35.8	36.1	38.0	38.7	38.8	39.8	39.9	40.0	40.2	40.6	40.8	41.0
≥ 12000		29.7	30.6	31.8	36.9	37.2	39.0	39.9	40.0	41.0	41.1	41.2	41.4	41.8	41.9	42.0
≥ 10000		32.8	34.0	35.2	40.4	40.8	42.8	43.9	44.1	44.9	45.1	45.2	45.4	45.8	45.9	46.1
≥ 9000		33.4	35.1	36.2	41.8	42.2	44.2	45.3	45.4	46.3	46.5	46.6	46.8	47.2	47.3	47.5
≥ 8000		40.9	42.6	44.1	50.2	50.5	52.8	54.1	54.2	55.2	55.3	55.4	55.6	56.0	56.1	56.3
≥ 7000		42.2	44.3	45.9	52.0	52.4	54.6	55.9	56.1	57.2	57.3	57.4	57.6	58.1	58.2	58.4
≥ 6000		43.0	45.2	46.8	53.0	53.3	55.6	56.9	57.1	58.2	58.3	58.4	58.6	59.0	59.1	59.4
≥ 5000		47.2	49.5	51.4	59.1	59.5	61.7	63.0	63.2	64.3	64.4	64.5	64.7	65.2	65.3	65.5
≥ 4500		50.3	53.2	55.3	63.9	64.3	66.7	68.0	68.2	69.2	69.4	69.5	69.7	70.1	70.2	70.4
≥ 4000		52.6	55.5	57.6	66.6	67.0	69.4	70.6	70.9	71.9	72.0	72.2	72.4	72.8	72.9	73.1
≥ 3500		55.2	58.4	60.6	69.8	70.4	72.9	74.2	74.4	75.5	75.6	75.7	75.9	76.3	76.5	76.7
≥ 3000		56.1	60.5	63.0	72.7	73.4	76.1	77.4	77.7	78.9	79.0	79.1	79.4	79.8	79.9	80.1
≥ 2500		56.9	61.7	64.7	75.2	76.0	78.9	80.3	80.6	81.8	81.9	82.0	82.3	82.7	82.8	83.0
≥ 2000		59.4	65.3	68.6	79.4	80.3	84.0	85.4	85.8	87.2	87.6	87.8	88.1	88.5	88.6	88.8
≥ 1800		59.5	65.4	68.7	79.9	80.9	84.5	85.9	86.3	87.7	88.2	88.4	88.6	89.0	89.1	89.4
≥ 1500		59.5	65.6	69.0	80.5	81.5	85.3	86.7	87.2	88.6	89.0	89.2	89.5	89.9	90.0	90.2
≥ 1200		59.5	65.6	69.4	80.8	81.7	86.0	87.4	88.0	89.4	89.8	90.0	90.2	90.6	90.8	91.0
≥ 1000		59.8	65.9	69.4	81.3	82.3	86.7	88.1	88.6	90.0	90.4	90.6	90.9	91.3	91.4	91.7
≥ 900		59.8	65.9	69.4	81.5	82.6	87.1	88.6	89.1	90.5	91.0	91.2	91.4	91.8	91.9	92.3
≥ 800		59.8	65.9	69.4	81.6	82.7	87.2	88.8	89.4	90.8	91.2	91.4	91.6	92.0	92.2	92.5
≥ 700		59.8	65.9	69.4	81.7	82.8	87.4	89.0	89.6	91.0	91.4	91.6	91.8	92.3	92.4	92.7
≥ 600		59.8	65.9	69.4	82.0	83.1	87.7	89.4	89.9	91.3	91.7	91.9	92.2	92.6	92.7	93.0
≥ 500		59.8	66.1	69.6	82.6	83.7	88.3	89.9	90.6	92.0	92.5	92.7	92.9	93.3	93.4	93.8
≥ 400		59.8	66.1	69.6	82.6	83.8	88.6	90.3	91.1	92.5	92.9	93.1	93.3	93.8	93.9	94.2
≥ 300		59.8	66.1	69.6	82.6	83.8	88.6	90.3	91.1	92.5	93.0	93.4	93.7	94.1	94.2	94.6
≥ 200		59.8	66.1	69.6	82.6	83.8	88.6	90.3	91.1	92.5	93.0	93.4	93.7	94.1	94.2	94.6
≥ 100		59.8	66.1	69.6	82.6	83.8	88.6	90.3	91.1	92.5	93.0	93.5	93.8	94.2	94.5	98.7
≥ 0		59.8	66.1	69.6	82.6	83.8	88.6	90.3	91.1	92.5	93.0	93.5	93.8	94.2	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	OCT
STATION	STATION NAME	YEARS	MONTH

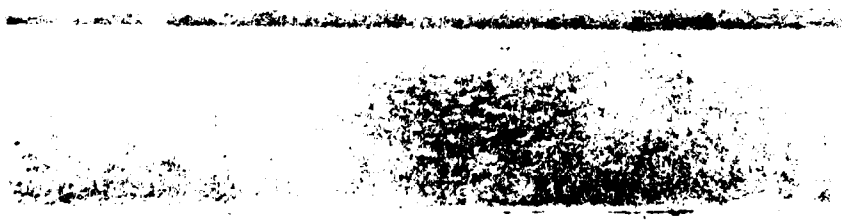
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		20.3	22.1	23.5	27.1	27.3	28.7	29.3	29.5	30.0	30.2	30.3	30.4	30.7	30.8	31.2
≥ 20000		23.0	25.0	26.7	30.8	31.0	32.7	33.5	33.6	34.3	34.6	34.6	34.8	35.1	35.2	35.7
≥ 18000		23.2	25.2	26.9	31.0	31.2	32.9	33.7	33.9	34.5	34.8	34.8	35.0	35.3	35.4	35.9
≥ 16000		23.2	25.3	27.0	31.0	31.3	32.9	33.7	33.9	34.6	34.8	34.9	35.1	35.3	35.4	35.9
≥ 14000		23.7	25.8	27.4	31.6	31.8	33.5	34.3	34.5	35.1	35.4	35.4	35.6	35.9	36.0	36.5
≥ 12000		24.5	26.6	28.4	32.6	32.8	34.6	35.4	35.6	36.3	36.5	36.5	36.7	37.	37.1	37.6
≥ 10000		26.9	29.2	31.0	35.5	35.8	37.6	38.6	38.8	39.6	39.9	39.9	40.1	40.4	40.5	41.
≥ 9000		27.9	30.5	32.4	37.1	37.3	39.2	40.2	40.5	41.3	41.5	41.6	41.8	42.1	42.2	42.7
≥ 8000		32.8	35.8	38.1	43.6	43.9	46.2	47.3	47.6	48.5	48.7	48.8	49.0	49.3	49.4	49.9
≥ 7000		34.1	37.4	39.8	45.5	45.8	48.2	49.4	49.6	50.6	50.8	50.9	51.1	51.4	51.5	52.0
≥ 6000		34.9	38.2	40.7	46.5	46.8	49.2	50.4	50.7	51.7	51.9	51.9	52.2	52.5	52.6	53.1
≥ 5000		37.6	41.4	44.0	50.5	50.8	53.3	54.5	54.8	55.8	56.	56.1	56.3	56.6	56.7	57.2
≥ 4500		41.5	45.5	48.3	55.3	55.7	58.3	59.5	59.7	60.8	61.0	61.1	61.3	61.6	61.7	62.2
≥ 4000		43.8	48.1	51.0	58.6	58.9	61.6	62.9	63.1	64.3	64.5	64.6	64.8	65.1	65.2	65.7
≥ 3500		47.0	51.8	55.1	63.2	63.7	66.5	67.8	68.1	69.3	69.5	69.6	69.8	70.1	70.2	70.7
≥ 3000		48.7	54.0	57.5	66.2	66.7	69.7	71.2	71.5	72.7	73.0	73.0	73.3	73.5	73.7	74.2
≥ 2500		50.3	56.1	60.2	69.6	70.2	73.4	75.0	75.3	76.5	76.8	76.8	77.1	77.4	77.5	78.1
≥ 2000		51.8	58.2	62.9	73.7	74.4	78.1	79.9	80.3	81.7	82.1	82.0	82.3	82.6	82.7	83.2
≥ 1800		51.9	58.3	63.1	74.3	75.0	78.8	80.5	80.9	82.4	82.6	82.7	82.9	83.3	83.4	83.9
≥ 1500		52.3	58.9	63.8	75.9	76.7	80.8	82.7	83.2	84.6	84.9	85.0	85.2	85.5	85.7	86.2
≥ 1200		52.4	59.0	64.1	76.7	77.7	82.1	84.0	84.5	86.0	86.3	86.4	86.6	86.9	87.0	87.5
≥ 1000		52.6	59.2	64.3	77.4	78.4	83.1	85.1	85.6	87.2	87.5	87.6	87.8	88.1	88.2	88.8
≥ 900		52.6	59.2	64.4	77.5	78.6	83.4	85.5	86.0	87.5	87.8	87.9	88.1	88.5	88.6	89.2
≥ 800		52.6	59.2	64.5	77.8	78.9	83.8	85.9	86.5	88.1	88.4	88.5	88.7	89.0	89.2	89.7
≥ 700		52.6	59.3	64.5	78.0	79.1	84.1	86.3	86.9	88.6	88.9	89.0	89.2	89.5	89.7	90.2
≥ 600		52.7	59.4	64.7	78.3	79.4	84.6	87.2	87.8	89.5	89.9	90.0	90.2	90.6	90.7	91.3
≥ 500		52.7	59.4	64.7	78.7	79.8	85.1	87.8	88.6	90.5	91.0	91.1	91.5	91.8	91.9	92.5
≥ 400		52.7	59.4	64.7	78.7	79.9	85.2	88.1	88.9	91.0	91.6	91.8	92.2	92.6	92.8	93.6
≥ 300		52.7	59.4	64.7	78.7	79.9	85.3	88.1	89.1	91.2	91.9	92.3	92.8	93.3	93.6	94.6
≥ 200		52.7	59.4	64.7	78.7	79.9	85.3	88.1	89.	91.3	91.9	92.4	92.9	93.7	94.2	96.
≥ 100		52.7	59.4	64.7	78.7	79.9	85.3	88.2	89.2	91.3	92.0	92.4	93.0	94.0	94.6	98.7
≥ 0		52.7	59.4	64.7	78.7	79.9	85.3	88.2	89.2	91.3	92.0	92.4	93.0	94.0	94.7	100.

TOTAL NUMBER OF OBSERVATIONS 7447

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3... 4...	HEIDELBERG AAF GL	68-70, 74-8...	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

...000-...200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		21.1	21.4	22.7	25.1	25.3	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 20000		23.1	23.6	24.8	27.2	27.4	28.3	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 18000		23.2	23.7	24.9	27.3	27.6	28.4	28.4	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 16000		23.3	23.9	25.0	27.4	27.7	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 14000		23.3	23.9	25.0	27.4	27.7	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 12000		23.7	24.2	25.4	27.9	28.1	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 10000		25.8	26.4	27.8	30.3	30.6	31.4	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9000		27.3	28.0	29.3	31.9	32.1	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 8000		33.1	33.8	35.6	38.2	38.4	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 7000		34.6	35.2	37.0	39.7	39.9	41.2	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 6000		36.0	36.9	38.6	41.2	41.4	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 5000		39.7	41.1	43.0	45.7	45.9	47.3	47.4	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 4500		45.1	47.2	49.1	52.1	52.4	54.1	54.3	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 4000		48.7	51.1	53.2	57.0	57.4	59.4	59.7	59.8	60.0	60.1	60.1	60.1	60.1	60.1	60.1
≥ 3500		51.9	54.8	57.0	61.0	61.4	63.7	63.9	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3000		54.8	57.9	6 .8	65.6	66.0	68.6	68.8	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500		59.4	63.2	66.6	71.7	72.2	75.1	75.3	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2000		62.2	66.7	71.1	77.2	77.8	81.0	81.2	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1800		62.4	67.1	71.7	78.2	78.8	82.0	82.2	82.3	82.6	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500		63.7	68.4	73.2	81.0	81.6	84.8	85.0	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1200		63.7	68.6	73.6	82.2	82.8	86.1	86.3	86.6	87.1	87.4	87.4	87.4	87.4	87.4	87.4
≥ 1000		63.8	68.7	73.8	83.3	84.0	87.4	87.7	87.9	88.7	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900		63.8	68.7	74.1	83.8	84.4	88.0	88.2	88.4	89.2	89.6	89.6	89.6	89.7	89.7	89.7
≥ 800		63.8	68.7	74.1	84.1	84.8	88.6	88.8	89.0	89.8	90.1	90.1	90.1	90.2	90.2	90.2
≥ 700		63.8	68.8	74.2	84.7	85.3	89.4	89.7	89.9	90.7	91.0	91.0	91.0	91.1	91.1	91.1
≥ 600		63.8	68.9	74.3	84.8	85.4	89.6	90.2	90.6	91.4	91.9	91.9	91.9	92.1	92.2	92.2
≥ 500		63.8	68.9	74.3	84.8	85.4	89.7	90.6	91.0	92.7	93.3	93.4	93.4	93.6	93.6	93.6
≥ 400		63.8	68.9	74.3	84.8	85.4	89.8	90.9	91.3	93.1	93.9	94.2	94.3	94.4	94.4	94.4
≥ 300		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	93.8	94.7	95.1	95.4	95.7	95.7	95.7
≥ 200		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	94.0	94.9	95.3	95.8	96.2	96.2	97.9
≥ 100		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	94.0	94.9	95.3	95.8	96.7	96.7	98.7
≥ 0		63.8	68.9	74.3	84.8	85.4	89.9	91.3	91.8	94.0	94.9	95.3	95.8	96.7	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS ... 96...

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

3[illegible]46	HEIDELBERG AAF GE	68-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		19.7	2[illegible].8	[illegible]2.1	23.0	23.4	24.8	25.1	25.4	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥ 20000		22.[illegible]	23.1	24.4	25.3	25.8	27.2	27.7	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 18000		22.[illegible]	23.1	24.4	25.3	25.8	27.2	27.7	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000		22.[illegible]	23.1	24.4	25.3	25.8	27.2	27.7	28.0	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000		22.1	23.2	24.6	25.4	25.9	27.3	27.8	28.1	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 12000		22.7	23.[illegible]	25.1	26.[illegible]	26.4	27.9	28.3	28.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 10000		24.3	25.4	26.8	27.7	28.1	29.8	30.2	30.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 9000		25.6	26.7	28.1	29.2	29.7	31.3	31.8	32.1	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 8000		31.6	32.7	34.7	35.9	36.3	38.1	38.6	38.9	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 7000		33.2	34.3	36.3	37.6	38.0	39.8	40.2	40.6	41.2	41.3	41.3	41.3	41.3	41.3	41.3
≥ 6000		34.3	35.4	37.4	38.9	39.4	41.2	41.7	42.[illegible]	42.7	42.8	42.8	42.8	42.8	42.8	42.8
≥ 5000		37.8	39.3	42.0	43.6	44.1	45.9	46.3	46.7	47.3	47.4	47.4	47.4	47.4	47.4	47.4
≥ 4500		41.4	43.4	46.2	48.8	49.4	51.2	51.7	52.[illegible]	52.8	53.0	53.0	53.0	53.0	53.0	53.0
≥ 4000		46.[illegible]	49.0	51.9	55.1	55.9	58.0	58.4	58.8	59.7	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3500		50.2	52.7	55.9	59.3	60.1	62.2	62.7	63.[illegible]	63.9	64.1	64.1	64.1	64.1	64.1	64.1
≥ 3000		53.9	56.7	60.8	64.4	65.3	67.4	67.9	68.2	69.1	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2500		58.1	61.0	66.0	70.1	71.0	73.1	73.6	73.9	74.8	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2000		61.0	64.4	69.9	75.8	76.8	79.0	79.4	79.8	80.8	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800		61.4	65.0	70.4	76.6	77.6	79.8	80.2	80.6	81.6	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1500		62.8	66.3	71.8	79.8	80.8	83.2	83.7	84.0	85.1	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200		63.0	66.6	72.2	80.6	81.9	84.4	85.2	85.6	86.8	87.3	87.4	87.4	87.4	87.4	87.4
≥ 1000		63.0	66.6	72.2	80.8	82.2	84.9	85.7	86.0	87.3	87.9	88.0	88.0	88.0	88.0	88.[illegible]
≥ 900		63.0	66.6	72.4	81.6	83.0	85.8	86.6	87.[illegible]	88.3	88.9	89.0	89.0	89.[illegible]	89.[illegible]	89.[illegible]
≥ 800		63.0	66.6	72.6	82.0	83.6	86.4	87.2	87.7	89.0	89.6	89.7	89.7	89.7	89.7	89.7
≥ 700		63.0	66.9	72.9	82.7	84.6	87.4	88.2	88.7	90.0	90.6	90.7	90.7	90.7	90.7	90.7
≥ 600		63.0	66.8	72.9	82.7	84.6	87.9	88.7	89.1	90.4	91.0	91.1	91.1	91.1	91.1	91.1
≥ 500		63.0	66.9	72.9	83.1	85.0	88.7	89.7	90.3	92.4	93.3	93.6	93.6	93.6	93.6	93.6
≥ 400		63.0	66.8	72.9	83.1	85.0	88.7	89.7	90.3	92.8	93.8	94.1	94.2	94.3	94.3	94.3
≥ 300		63.0	66.8	72.9	83.1	85.0	88.7	89.9	91.6	93.3	94.3	94.8	95.1	95.4	95.4	95.6
≥ 200		63.0	66.8	72.9	83.1	85.0	88.9	90.3	91.[illegible]	93.9	95.1	95.6	95.9	96.7	96.7	98.[illegible]
≥ 100		63.0	66.8	72.9	83.1	85.0	88.9	90.3	91.[illegible]	94.0	95.2	95.7	96.0	97.1	97.1	99.6
≥ 0		63.0	66.8	72.9	83.1	85.0	88.9	90.3	91.0	94.0	95.2	95.7	96.0	97.1	97.1	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3a 4b	HEIDELBERG AAF GL	68-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		15.3	16.6	17.3	19.1	19.4	20.0	20.8	21.3	21.6	21.6	21.6	21.6	21.7	21.8	22.0
≥ 20000		16.6	18.	18.8	20.8	21.1	21.8	22.6	23.2	23.4	23.4	23.4	23.4	23.6	23.7	24.0
≥ 18000		16.9	18.1	18.9	20.9	21.2	21.9	22.7	23.3	23.6	23.6	23.6	23.6	23.7	23.8	24.1
≥ 16000		16.9	18.1	18.9	20.9	21.2	21.9	22.7	23.3	23.6	23.6	23.6	23.6	23.7	23.8	24.1
≥ 14000		17.3	18.2	19.0	21.0	21.3	22.0	22.8	23.4	23.7	23.7	23.7	23.7	23.8	23.9	24.2
≥ 12000		17.1	18.4	19.2	21.2	21.6	22.2	23.1	23.9	24.1	24.1	24.1	24.1	24.2	24.3	24.7
≥ 10000		18.8	20.2	21.2	23.3	23.7	24.7	25.6	26.3	26.6	26.6	26.6	26.6	26.7	26.8	27.1
≥ 9000		19.6	21.0	22.1	24.4	24.8	25.8	26.7	27.4	27.7	27.7	27.7	27.7	27.8	27.9	28.2
≥ 8000		24.4	26.1	27.2	29.7	30.0	31.2	32.1	33.[illegible]	33.2	33.2	33.2	33.2	33.3	33.4	33.8
≥ 7000		27.3	29.1	30.2	32.7	33.0	34.2	35.1	36.1	36.3	36.6	36.6	36.6	36.7	36.8	37.1
≥ 6000		28.4	30.3	31.4	33.9	34.2	35.8	36.7	37.7	37.9	38.1	38.1	38.1	38.2	38.3	38.7
≥ 5000		31.8	33.9	35.3	38.2	38.6	40.1	41.0	42.1	42.6	42.8	42.8	42.8	42.9	43.0	43.3
≥ 4500		30.3	38.6	40.9	45.0	45.3	47.2	48.2	49.3	49.8	50.0	50.0	50.0	50.1	50.2	50.6
≥ 4000		40.1	42.4	45.0	49.3	49.8	51.7	52.7	53.8	54.2	54.4	54.4	54.4	54.6	54.7	55.[illegible]
≥ 3500		43.6	46.1	49.1	54.4	54.9	57.0	58.2	59.4	60.0	60.2	60.2	60.2	60.4	60.6	60.9
≥ 3000		46.2	48.9	52.1	58.0	58.7	60.8	62.0	63.2	63.8	64.0	64.0	64.0	64.3	64.4	64.8
≥ 2500		50.6	53.8	57.2	63.4	64.1	66.3	67.7	68.9	69.7	69.9	69.9	69.9	70.2	70.3	70.7
≥ 2000		54.1	57.8	62.1	70.1	71.0	73.4	74.8	76.1	77.0	77.2	77.2	77.2	77.6	77.7	78.[illegible]
≥ 1800		55.2	59.0	63.8	72.0	72.9	75.3	76.7	78.0	79.0	79.2	79.2	79.2	79.6	79.7	80.[illegible]
≥ 1500		56.4	60.6	65.6	74.6	75.6	78.6	80.2	81.6	82.6	83.	83.0	83.0	83.3	83.4	83.8
≥ 1200		56.9	61.3	66.6	76.6	77.7	80.8	82.6	83.9	85.1	85.7	85.7	85.7	86.[illegible]	86.1	86.4
≥ 1000		56.9	61.4	66.8	77.4	78.8	82.0	83.8	85.1	86.3	86.9	86.9	86.9	87.2	87.3	87.7
≥ 900		56.9	61.4	66.9	77.8	79.1	82.8	84.6	85.9	87.1	87.7	87.7	87.7	88.0	88.1	88.4
≥ 800		57.1	61.9	67.4	78.4	79.8	83.6	85.3	86.7	87.9	88.4	88.4	88.4	88.8	88.9	89.2
≥ 700		57.1	62.0	67.7	78.8	80.2	84.1	86.2	87.6	88.8	89.3	89.3	89.3	89.7	89.8	90.1
≥ 600		57.1	62.0	67.8	79.1	80.7	85.0	87.1	88.6	89.8	90.4	90.4	90.6	90.9	91.1	91.4
≥ 500		57.1	62.0	67.9	79.4	81.1	85.8	88.1	89.8	91.1	91.9	91.9	92.0	92.3	92.6	92.9
≥ 400		57.1	62.0	67.9	79.4	81.1	86.1	88.9	90.8	92.2	93.3	93.3	93.6	94.0	94.2	94.7
≥ 300		57.1	62.0	67.9	79.6	81.2	86.2	89.3	91.2	92.7	94.0	94.3	94.6	95.6	95.8	96.4
≥ 200		57.1	62.0	67.9	79.8	81.4	86.4	89.6	91.4	93.1	94.6	94.9	95.1	96.1	96.3	97.9
≥ 100		57.1	62.0	67.9	79.8	81.4	86.4	89.6	91.4	93.1	94.6	94.9	95.1	96.4	96.8	99.1
≥ 0		57.1	62.0	67.9	79.8	81.4	86.4	89.6	91.4	93.1	94.6	94.9	95.1	96.4	97.1	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

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

3[illegible]46	HEIDELBERG AAF OL	68-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

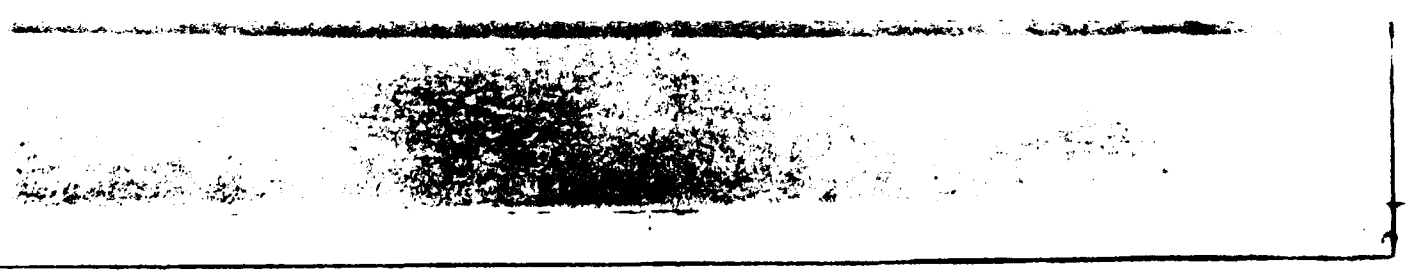
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		14.4	15.6	16.8	19.8	19.8	21.0	21.7	22.1	22.4	22.4	22.4	22.4	22.4	22.4	23.1
≥ 20000		16.2	17.4	19.3	22.4	22.4	23.7	24.7	25.1	25.6	25.6	25.6	25.6	25.6	25.6	26.3
≥ 18000		16.7	17.9	19.4	23.0	23.0	24.2	25.2	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.9
≥ 16000		16.7	17.9	19.4	23.0	23.0	24.2	25.2	25.7	26.1	26.1	26.1	26.1	26.1	26.1	26.9
≥ 14000		16.9	18.1	19.7	23.2	23.3	24.6	25.6	26.[illegible]	26.4	26.4	26.4	26.4	26.4	26.4	27.2
≥ 12000		17.2	18.4	20.1	24.1	24.3	25.6	26.6	27.[illegible]	27.4	27.4	27.4	27.4	27.4	27.4	28.2
≥ 10000		19.1	20.4	22.1	26.2	26.4	27.8	28.9	29.4	29.9	29.9	29.9	29.9	29.9	29.9	30.7
≥ 9000		19.9	21.3	23.0	27.2	27.4	28.8	29.9	30.4	30.9	30.9	30.9	30.9	30.9	30.9	31.7
≥ 8000		23.8	25.3	27.2	31.9	32.1	33.7	34.8	35.4	35.9	35.9	35.9	35.9	35.9	35.9	36.7
≥ 7000		26.3	27.9	29.9	34.6	34.8	36.4	37.6	38.3	38.8	38.8	38.8	38.8	38.8	38.8	39.6
≥ 6000		27.0	28.6	30.7	35.3	35.6	37.2	38.4	39.2	39.8	39.8	39.8	39.8	39.8	39.8	40.6
≥ 5000		29.4	31.0	33.2	38.4	38.7	40.4	41.7	42.4	43.0	43.0	43.0	43.0	43.1	43.1	43.9
≥ 4500		34.9	37.0	39.3	45.1	45.7	47.4	48.7	49.4	50.0	50.0	50.0	50.0	50.1	50.1	50.9
≥ 4000		36.8	39.1	41.7	48.1	48.9	50.8	52.1	52.9	53.6	53.6	53.6	53.6	53.7	53.7	54.4
≥ 3500		40.9	43.6	46.6	53.4	54.3	56.4	58.0	58.8	59.6	59.6	59.6	59.6	59.7	59.7	60.4
≥ 3000		46.1	48.1	51.3	59.2	60.3	62.7	64.4	65.2	66.0	66.0	66.0	66.0	66.1	66.1	66.9
≥ 2500		47.2	50.4	54.0	62.4	63.6	65.9	67.7	68.4	69.3	69.4	69.4	69.4	69.6	69.6	70.3
≥ 2000		50.0	53.9	57.6	67.1	68.3	71.7	74.1	74.9	75.8	76.0	76.0	76.0	76.1	76.1	76.9
≥ 1800		50.4	54.4	58.1	67.9	69.1	72.6	75.0	75.8	76.8	77.0	77.0	77.0	77.1	77.1	77.9
≥ 1500		52.1	56.4	60.4	70.4	71.9	76.1	78.9	79.7	80.8	81.0	81.0	81.0	81.1	81.1	81.9
≥ 1200		52.7	57.0	61.8	73.2	74.7	79.2	82.1	82.9	84.0	84.2	84.2	84.2	84.3	84.3	85.1
≥ 1000		52.8	57.1	62.0	74.2	75.8	80.9	84.1	85.1	86.2	86.4	86.6	86.7	86.8	86.8	87.6
≥ 900		53.0	57.4	62.3	74.7	76.2	81.4	84.7	85.7	86.8	87.0	87.1	87.2	87.3	87.3	88.1
≥ 800		53.1	57.7	62.7	75.9	77.7	83.1	86.6	87.6	88.9	89.1	89.2	89.3	89.4	89.4	90.2
≥ 700		53.2	57.8	62.9	76.8	78.7	84.1	88.0	89.0	90.3	90.6	90.7	90.8	90.9	90.9	91.7
≥ 600		53.2	57.8	62.9	77.0	78.9	84.6	88.4	89.6	91.4	91.8	91.9	92.0	92.2	92.4	93.2
≥ 500		53.2	57.8	62.9	77.1	79.0	85.0	89.1	90.3	92.3	92.7	92.8	93.0	93.3	93.6	94.3
≥ 400		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.7	94.3	94.1	94.4	94.8	95.3	95.8
≥ 300		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	95.8	96.2	97.2
≥ 200		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	96.0	96.4	97.9
≥ 100		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	96.0	96.4	99.3
≥ 0		53.2	57.8	62.9	77.1	79.0	85.0	89.8	91.0	93.8	94.6	94.8	95.2	96.0	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 950

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



CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 45	HEIDELBERG AAF GL	68-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		16.[illegible]	17.4	18.4	21.4	21.6	22.9	23.3	23.7	24.1	24.1	24.4	24.6	24.8	24.8	24.9
≥ 20000		19.[illegible]	20.9	21.9	25.4	25.6	27.0	27.6	27.9	28.3	28.3	28.7	28.8	29.0	29.0	29.1
≥ 18000		19.1	21.[illegible]	22.[illegible]	25.6	25.7	27.1	27.7	28.0	28.4	28.4	28.8	28.9	29.1	29.1	29.2
≥ 16000		19.1	21.0	22.0	25.6	25.7	27.1	27.7	28.0	28.4	28.4	28.8	28.9	29.1	29.1	29.2
≥ 14000		19.6	21.4	22.4	26.0	26.1	27.6	28.1	28.4	28.9	28.9	29.2	29.3	29.6	29.6	29.7
≥ 12000		20.0	21.9	22.9	26.6	26.7	28.2	28.8	29.1	29.6	29.6	29.9	30.0	30.2	30.2	30.3
≥ 10000		21.8	23.8	24.9	28.6	28.7	30.2	30.8	31.1	31.6	31.6	31.9	32.0	32.2	32.2	32.3
≥ 9000		23.7	25.7	26.9	30.9	31.0	32.6	33.2	33.6	34.0	34.0	34.3	34.4	34.7	34.7	34.8
≥ 8000		28.2	30.0	31.8	35.8	35.9	37.6	38.2	38.6	39.0	39.0	39.3	39.4	39.7	39.7	39.8
≥ 7000		30.2	32.6	34.1	38.1	38.2	39.9	40.9	41.3	41.8	41.8	42.1	42.2	42.4	42.4	42.6
≥ 6000		31.0	33.4	35.0	39.0	39.1	40.9	41.9	42.3	42.8	42.8	43.1	43.2	43.4	43.4	43.6
≥ 5000		33.2	35.3	37.4	41.9	42.0	43.8	44.8	45.2	45.7	45.7	46.0	46.1	46.4	46.4	46.6
≥ 4500		39.1	40.9	42.7	47.4	47.7	49.4	50.4	50.9	51.3	51.3	51.7	51.8	52.1	52.1	52.2
≥ 4000		41.0	43.8	45.7	50.4	50.8	52.7	53.7	54.1	54.6	54.6	54.9	55.0	55.3	55.3	55.4
≥ 3500		45.6	48.8	50.8	55.8	56.3	58.2	59.6	60.0	60.6	60.6	60.9	61.0	61.3	61.3	61.4
≥ 3000		50.8	53.9	56.2	62.0	62.7	64.9	66.3	66.8	67.3	67.3	67.7	67.8	68.1	68.1	68.2
≥ 2500		53.3	56.8	60.0	66.1	66.8	69.1	70.6	71.0	71.9	71.9	72.2	72.3	72.7	72.7	72.8
≥ 2000		56.9	60.7	64.7	72.8	73.4	76.0	78.0	78.6	79.7	79.7	80.0	80.1	80.4	80.4	80.6
≥ 1800		56.9	60.8	64.9	73.2	73.9	76.8	78.9	79.4	80.6	80.6	80.9	81.0	81.3	81.3	81.4
≥ 1500		58.2	62.2	66.3	75.1	75.8	79.3	81.8	82.3	83.7	83.7	84.0	84.1	84.4	84.4	84.6
≥ 1200		59.2	63.4	68.0	77.9	78.7	82.4	85.2	85.9	87.4	87.4	87.8	87.9	88.2	88.2	88.3
≥ 1000		59.7	64.0	68.7	79.2	80.2	84.3	87.4	88.2	89.8	89.8	90.1	90.2	90.6	90.6	90.7
≥ 900		59.8	64.2	68.9	79.8	80.8	84.9	88.1	88.9	90.6	90.6	90.9	91.0	91.3	91.3	91.4
≥ 800		59.8	64.2	68.9	81.0	82.0	86.1	89.7	90.6	92.2	92.2	92.6	92.7	93.0	93.0	93.1
≥ 700		59.9	64.3	69.0	81.3	82.3	86.6	90.3	91.2	92.9	92.9	93.2	93.3	93.7	93.7	93.8
≥ 600		59.9	64.4	69.2	81.7	82.7	86.9	90.8	91.7	93.6	93.7	94.1	94.3	94.7	94.7	94.8
≥ 500		59.9	64.4	69.2	81.9	82.9	87.1	91.0	91.9	94.2	94.4	94.9	95.2	95.6	95.6	95.7
≥ 400		59.9	64.4	69.2	81.9	82.9	87.1	91.0	91.9	94.8	95.2	95.7	96.1	96.4	96.4	96.6
≥ 300		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.0	96.6	97.1	97.6	98.0	98.1
≥ 200		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.0	96.6	97.1	97.8	98.2	98.7
≥ 100		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.1	96.7	97.2	97.9	98.4	99.8
≥ 0		59.9	64.4	69.2	81.9	82.9	87.1	91.3	92.2	95.4	96.1	96.7	97.2	97.9	98.4	100.[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 4n	HEIDELBERG AAF DL	68-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		17.4	18.7	20.4	22.2	22.3	23.7	24.2	24.6	25.1	25.1	25.1	25.2	25.2	25.2	25.3
≥ 20000		21.0	22.6	24.8	26.8	26.9	28.3	29.0	29.3	30.0	30.0	30.0	30.1	30.1	30.1	30.2
≥ 18000		21.1	22.9	25.1	27.1	27.2	28.7	29.3	29.7	30.3	30.3	30.3	30.4	30.4	30.4	30.6
≥ 16000		21.1	22.9	25.1	27.1	27.2	28.7	29.3	29.7	30.3	30.3	30.3	30.4	30.4	30.4	30.6
≥ 14000		21.6	23.3	25.6	27.6	27.7	29.1	29.8	30.1	30.8	30.8	30.8	30.9	30.9	30.9	31.0
≥ 12000		22.0	23.8	26.0	28.0	28.1	29.6	30.2	30.6	31.2	31.2	31.2	31.3	31.3	31.3	31.4
≥ 10000		24.2	26.0	28.2	30.4	30.6	32.0	32.7	33.1	33.8	33.8	33.8	33.9	33.9	33.9	34.0
≥ 9000		25.7	27.6	29.9	32.2	32.4	34.1	34.8	35.2	35.9	35.9	35.9	36.0	36.0	36.0	36.1
≥ 8000		29.[illegible]	31.3	33.8	36.2	36.4	38.2	38.9	39.3	40.0	40.0	40.0	40.1	40.1	40.1	40.2
≥ 7000		30.7	33.2	35.7	38.1	38.3	40.1	40.8	41.3	42.0	42.0	42.0	42.1	42.1	42.1	42.2
≥ 6000		31.9	34.4	36.9	39.4	39.7	41.6	42.2	42.8	43.4	43.4	43.4	43.6	43.6	43.6	43.7
≥ 5000		34.9	37.8	40.3	43.1	43.3	45.2	46.0	46.6	47.2	47.2	47.2	47.3	47.3	47.3	47.4
≥ 4500		39.6	42.6	45.6	48.8	49.0	50.9	51.7	52.2	52.9	52.9	52.9	53.0	53.0	53.0	53.1
≥ 4000		42.9	46.0	49.1	52.4	53.0	54.9	55.7	56.2	56.9	56.9	56.9	57.0	57.0	57.0	57.1
≥ 3500		48.1	51.4	54.6	58.7	59.4	61.4	62.4	63.0	63.7	63.7	63.7	63.8	63.8	63.8	63.9
≥ 3000		52.1	55.9	59.0	63.3	64.1	66.7	67.9	68.4	69.1	69.1	69.1	69.2	69.2	69.2	69.3
≥ 2500		56.2	60.2	63.7	68.6	69.4	72.0	73.2	73.9	74.7	74.9	74.9	75.0	75.0	75.0	75.1
≥ 2000		59.2	64.3	68.2	75.9	76.9	79.9	81.1	81.9	82.7	83.0	83.0	83.1	83.1	83.1	83.2
≥ 1800		59.4	64.6	68.4	76.6	77.6	80.8	82.0	82.8	83.7	84.0	84.0	84.1	84.1	84.1	84.2
≥ 1500		60.6	65.8	70.0	78.8	79.9	83.4	85.6	86.4	88.1	88.4	88.4	88.6	88.6	88.6	88.7
≥ 1200		61.7	67.0	71.2	80.9	82.4	86.3	88.7	89.7	91.6	91.9	91.9	92.0	92.0	92.0	92.1
≥ 1000		61.9	67.3	71.6	81.9	83.4	87.3	89.9	91.0	93.0	93.3	93.3	93.4	93.4	93.4	93.6
≥ 900		61.9	67.3	71.6	82.0	83.6	87.4	90.0	91.1	93.1	93.4	93.4	93.6	93.6	93.6	93.7
≥ 800		61.9	67.3	71.6	82.6	84.1	88.2	90.8	91.9	93.9	94.2	94.3	94.4	94.4	94.4	94.6
≥ 700		61.9	67.3	71.6	82.6	84.1	88.3	91.3	92.6	94.6	95.1	95.2	95.3	95.3	95.3	95.4
≥ 600		61.9	67.3	71.6	82.7	84.2	88.6	91.6	92.9	95.0	95.7	95.8	95.9	95.9	95.9	96.0
≥ 500		61.9	67.3	71.6	82.7	84.2	88.6	91.8	93.1	95.2	96.1	96.2	96.4	96.4	96.4	96.6
≥ 400		61.9	67.3	71.6	82.7	84.2	88.6	91.8	93.1	95.3	96.2	96.3	96.6	96.7	96.8	97.0
≥ 300		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.3	97.4	97.7
≥ 200		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.8	97.9	98.7
≥ 100		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.8	97.9	99.9
≥ 0		61.9	67.3	71.6	82.7	84.2	88.6	92.1	93.4	95.7	96.7	96.8	97.0	97.8	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

34 46	HEIDELBERG AAF GE	68-70,74-80	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1⅝	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		18.6	20.0	21.0	23.0	23.1	24.7	24.9	25.0	25.1	25.2	25.2	25.4	25.4	25.4	25.4
≥ 20000		22.4	24.0	25.3	27.6	27.7	29.2	29.4	29.6	29.7	29.8	29.8	30.0	30.0	30.0	30.0
≥ 18000		22.7	24.2	25.6	27.8	27.9	29.4	29.7	29.8	29.9	30.0	30.0	30.2	30.2	30.2	30.2
≥ 16000		22.7	24.2	25.6	27.8	27.9	29.4	29.7	29.8	29.9	30.0	30.0	30.2	30.2	30.2	30.2
≥ 14000		23.1	24.7	26.0	28.2	28.3	29.9	30.1	30.2	30.3	30.4	30.4	30.7	30.7	30.7	30.7
≥ 12000		23.2	24.8	26.1	28.6	28.7	30.3	30.9	31.0	31.1	31.2	31.2	31.4	31.4	31.4	31.4
≥ 10000		26.1	27.7	29.4	32.0	32.1	33.8	34.3	34.4	34.6	34.7	34.7	34.9	34.9	34.9	34.9
≥ 9000		28.0	29.7	32.0	34.9	35.0	36.7	37.2	37.3	37.4	37.6	37.6	37.8	37.8	37.8	37.8
≥ 8000		34.0	35.9	38.2	41.6	41.7	43.8	44.3	44.4	44.6	44.7	44.7	44.9	44.9	44.9	44.9
≥ 7000		36.1	38.0	40.3	43.8	43.9	46.0	46.6	46.7	46.8	46.9	46.9	47.1	47.1	47.1	47.2
≥ 6000		36.9	38.8	41.1	44.6	44.7	46.8	47.3	47.4	47.6	47.7	47.7	47.9	47.9	47.9	48.0
≥ 5000		39.7	41.7	44.2	48.2	48.3	50.7	51.2	51.3	51.4	51.6	51.6	51.8	51.8	51.8	51.9
≥ 4500		45.0	47.2	50.1	54.8	54.9	57.4	58.2	58.4	58.6	58.7	58.7	58.9	58.9	58.9	59.1
≥ 4000		48.8	51.1	54.0	58.7	58.8	61.7	62.6	62.8	62.9	63.0	63.0	63.2	63.2	63.2	63.3
≥ 3500		52.7	55.2	58.1	63.7	63.8	66.8	67.7	67.9	68.0	68.1	68.1	68.4	68.6	68.6	68.7
≥ 3000		55.6	58.4	61.7	67.9	68.0	71.2	72.1	72.3	72.4	72.6	72.6	72.9	73.0	73.0	73.1
≥ 2500		57.9	62.1	66.4	73.2	73.3	76.8	77.9	78.1	78.2	78.3	78.3	78.7	78.8	78.8	78.9
≥ 2000		59.9	65.2	71.0	79.1	79.4	83.1	84.2	84.4	84.6	84.7	84.7	85.0	85.1	85.1	85.2
≥ 1800		60.1	65.4	71.2	79.6	79.9	83.8	84.9	85.1	85.2	85.3	85.3	85.7	85.8	85.8	85.9
≥ 1500		61.1	66.7	72.7	81.2	82.1	86.6	87.7	87.9	88.2	88.3	88.3	88.7	88.8	88.8	88.9
≥ 1200		61.3	67.1	73.2	82.7	83.9	88.4	89.6	89.8	90.1	90.2	90.2	90.6	90.7	90.7	90.8
≥ 1000		61.3	67.2	73.3	83.6	84.9	89.8	90.9	91.2	91.6	91.7	91.7	92.0	92.1	92.1	92.2
≥ 900		61.3	67.2	73.3	83.8	85.1	90.0	91.1	91.4	91.8	91.9	91.9	92.2	92.3	92.3	92.4
≥ 800		61.3	67.2	73.3	83.8	85.1	90.0	91.1	91.4	91.8	91.9	92.2	92.6	92.7	92.7	92.8
≥ 700		61.3	67.2	73.3	83.9	85.2	90.4	91.8	92.1	92.4	92.6	92.9	93.2	93.3	93.3	93.4
≥ 600		61.3	67.2	73.4	84.2	85.6	90.8	92.1	92.6	92.9	93.0	93.3	93.8	93.9	93.9	94.0
≥ 500		61.3	67.2	73.4	84.4	85.8	91.0	92.6	93.1	93.7	93.9	94.4	95.0	95.1	95.1	95.4
≥ 400		61.3	67.2	73.4	84.4	85.8	91.0	92.8	93.3	94.1	94.3	94.9	95.4	95.6	95.6	95.9
≥ 300		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.8	97.1
≥ 200		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.8	97.8
≥ 100		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.8	99.1
≥ 0		61.3	67.2	73.4	84.4	85.8	91.0	93.1	93.7	94.4	94.7	95.2	96.1	96.2	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

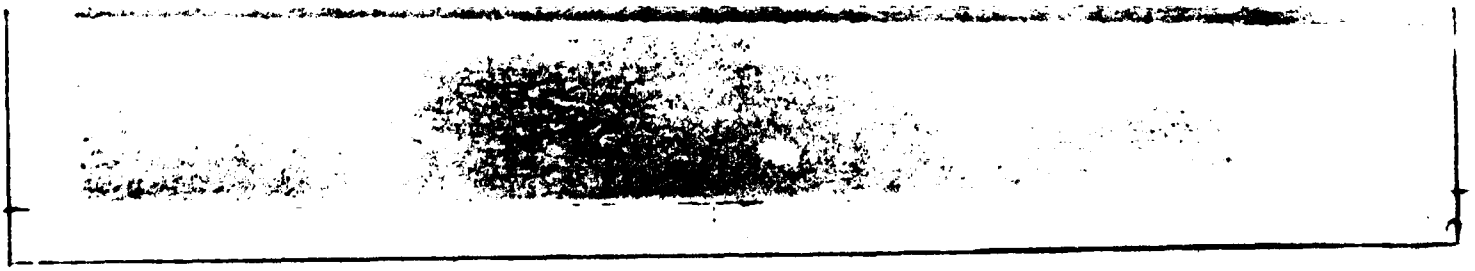
CEILING VERSUS VISIBILITY

34 48 — STATION
HEIDELBERG AAF DL — STATION NAME
66-70,74-80 — YEARS
NOV — MONTH
2100-2300 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		17.7	18.6	19.7	23.0	23.1	24.1	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 20000		20.1	21.0	22.1	25.4	25.6	26.7	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 18000		20.1	21.0	22.1	25.4	25.6	26.7	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 16000		20.3	21.2	22.3	25.7	25.8	26.9	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 14000		20.3	21.2	22.3	25.7	25.8	26.9	27.0	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 12000		20.8	21.9	23.0	26.3	26.4	27.7	27.8	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 10000		23.7	24.9	26.0	29.4	29.6	30.9	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 9000		26.7	28.0	29.4	33.0	33.1	34.8	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 8000		31.1	32.9	34.3	38.4	38.6	40.4	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 7000		32.6	34.7	36.1	40.4	40.6	42.6	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000		34.0	36.3	37.8	42.1	42.2	44.2	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 5000		37.9	40.9	42.3	46.9	47.0	49.0	49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 4500		44.4	47.4	49.2	53.8	53.9	56.3	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000		47.9	50.9	53.0	58.1	58.2	61.2	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3500		51.9	55.1	57.6	63.2	63.3	66.3	66.8	66.8	67.0	67.0	67.1	67.2	67.2	67.2	67.2
≥ 3000		54.6	58.0	60.9	67.1	67.2	70.6	71.0	71.0	71.2	71.2	71.3	71.4	71.4	71.4	71.4
≥ 2500		57.3	62.1	65.8	72.2	72.6	76.0	76.6	76.6	76.8	76.8	76.9	77.0	77.0	77.0	77.0
≥ 2000		59.4	64.7	69.7	76.9	77.2	80.9	81.7	81.7	81.9	81.9	82.0	82.1	82.1	82.1	82.1
≥ 1800		60.0	65.2	70.3	77.6	77.9	81.6	82.3	82.3	82.6	82.6	82.7	82.8	82.8	82.8	82.8
≥ 1500		60.9	66.7	72.2	80.7	81.2	85.1	85.9	85.9	86.1	86.1	86.2	86.3	86.3	86.3	86.3
≥ 1200		61.2	67.6	73.3	83.0	83.6	87.7	88.4	88.4	88.7	88.7	88.8	88.9	88.9	88.9	88.9
≥ 1000		61.4	68.0	73.9	84.0	84.6	88.9	89.7	90.0	90.2	90.2	90.3	90.4	90.4	90.4	90.4
≥ 900		61.6	68.1	74.0	84.2	84.8	89.1	89.9	90.2	90.4	90.4	90.6	90.7	90.7	90.7	90.7
≥ 800		61.6	68.1	74.0	84.8	85.3	90.1	90.9	91.2	91.4	91.4	91.7	91.8	91.8	91.8	91.8
≥ 700		61.6	68.1	74.0	84.9	85.4	90.6	91.3	91.7	91.9	91.9	92.1	92.2	92.2	92.2	92.2
≥ 600		61.8	68.3	74.2	85.4	86.0	91.4	92.2	92.6	92.9	93.0	93.2	93.4	93.4	93.4	93.4
≥ 500		61.8	68.3	74.2	85.6	86.1	91.6	92.4	92.8	93.8	94.0	94.3	94.6	94.6	94.6	94.6
≥ 400		61.8	68.3	74.2	85.7	86.2	91.7	93.0	93.3	94.3	94.6	94.9	95.1	95.1	95.1	95.1
≥ 300		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.8	95.1	95.3	95.7	96.0	96.0
≥ 200		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.8	95.1	95.3	96.0	96.3	97.1
≥ 100		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.9	95.2	95.4	96.4	96.8	99.2
≥ 0		61.8	68.3	74.2	85.7	86.2	91.7	93.2	93.6	94.6	94.9	95.2	95.4	96.4	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 952



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
NOV — MONTH
ALL — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		17.5	18.6	19.8	22.1	22.3	23.4	23.8	24.0	24.3	24.3	24.4	24.4	24.5	24.5	24.6
≥ 20000		20.1	21.3	22.6	25.1	25.3	26.5	27.0	27.3	27.6	27.6	27.7	27.7	27.8	27.8	27.9
≥ 18000		20.2	21.5	22.8	25.3	25.5	26.7	27.2	27.5	27.8	27.8	27.8	27.9	27.9	28.0	28.1
≥ 16000		20.3	21.5	22.8	25.3	25.5	26.8	27.2	27.5	27.8	27.8	27.9	27.9	28.0	28.0	28.2
≥ 14000		20.5	21.8	23.1	25.6	25.8	27.0	27.5	27.7	28.1	28.1	28.1	28.2	28.2	28.2	28.4
≥ 12000		20.8	22.2	23.5	26.1	26.3	27.6	28.1	28.4	28.7	28.7	28.8	28.8	28.9	28.9	29.0
≥ 10000		23.0	24.4	25.8	28.5	28.7	30.1	30.6	30.9	31.3	31.3	31.3	31.4	31.4	31.4	31.6
≥ 9000		24.5	26.0	27.6	30.5	30.7	32.1	32.8	33.1	33.4	33.4	33.5	33.5	33.6	33.6	33.7
≥ 8000		29.4	31.1	32.8	36.0	36.2	37.8	38.4	38.8	39.1	39.1	39.2	39.2	39.3	39.3	39.4
≥ 7000		31.4	33.1	35.0	38.1	38.3	40.0	40.7	41.1	41.4	41.5	41.5	41.6	41.6	41.7	41.8
≥ 6000		32.4	34.3	36.1	39.3	39.5	41.3	42.0	42.4	42.8	42.8	42.8	42.9	42.9	43.0	43.1
≥ 5000		35.5	37.7	39.7	43.3	43.5	45.3	46.0	46.4	46.8	46.9	46.9	47.0	47.0	47.1	47.2
≥ 4500		40.6	43.0	45.4	49.5	49.8	51.8	52.5	52.9	53.4	53.4	53.5	53.5	53.6	53.6	53.8
≥ 4000		44.1	46.7	49.2	53.7	54.1	56.3	57.1	57.5	58.0	58.0	58.1	58.1	58.2	58.2	58.4
≥ 3500		48.1	51.0	53.7	58.7	59.2	61.5	62.4	62.9	63.4	63.4	63.5	63.6	63.7	63.7	63.9
≥ 3000		51.6	54.7	57.8	63.4	64.0	66.6	67.6	68.0	68.5	68.6	68.7	68.8	68.9	68.9	69.1
≥ 2500		55.0	58.7	62.5	68.5	69.1	71.8	72.8	73.3	73.9	74.0	74.1	74.2	74.3	74.3	74.5
≥ 2000		57.8	62.2	66.8	74.4	75.1	78.1	79.3	79.8	80.5	80.7	80.8	80.8	80.9	81.0	81.1
≥ 1800		58.3	62.7	67.4	75.2	75.9	79.1	80.3	80.8	81.5	81.7	81.8	81.8	81.9	82.0	82.1
≥ 1500		59.5	64.1	69.0	77.7	78.6	82.1	83.6	84.1	85.0	85.3	85.3	85.4	85.5	85.5	85.7
≥ 1200		60.0	64.8	70.0	79.6	80.7	84.4	86.0	86.6	87.6	87.9	87.9	88.0	88.1	88.1	88.3
≥ 1000		60.1	65.0	70.3	80.6	81.7	85.7	87.4	88.1	89.1	89.4	89.5	89.6	89.7	89.7	89.9
≥ 900		60.2	65.1	70.4	80.9	82.1	86.2	87.9	88.6	89.7	89.9	90.0	90.1	90.2	90.3	90.4
≥ 800		60.2	65.2	70.6	81.6	82.8	87.0	88.8	89.5	90.6	90.9	91.0	91.1	91.3	91.3	91.4
≥ 700		60.2	65.3	70.7	81.9	83.2	87.6	89.6	90.3	91.4	91.7	91.9	92.0	92.1	92.1	92.3
≥ 600		60.3	65.3	70.8	82.2	83.5	88.1	90.1	90.9	92.2	92.6	92.7	92.9	93.0	93.1	93.3
≥ 500		60.3	65.3	70.8	82.4	83.7	88.4	90.7	91.5	93.2	93.7	93.9	94.2	94.3	94.4	94.6
≥ 400		60.3	65.3	70.8	82.4	83.7	88.5	91.0	91.9	93.8	94.4	94.7	95.0	95.0	95.2	95.5
≥ 300		60.3	65.3	70.8	82.4	83.7	88.5	91.3	92.2	94.2	95.0	95.3	95.7	96.2	96.4	96.7
≥ 200		60.3	65.3	70.8	82.4	83.8	88.6	91.3	92.3	94.4	95.2	95.5	95.9	96.6	96.9	98.0
≥ 100		60.3	65.3	70.8	82.4	83.8	88.6	91.3	92.3	94.4	95.2	95.6	96.0	96.8	97.1	99.3
≥ 0		60.3	65.3	70.8	82.4	83.8	88.6	91.3	92.3	94.4	95.2	95.6	96.0	96.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

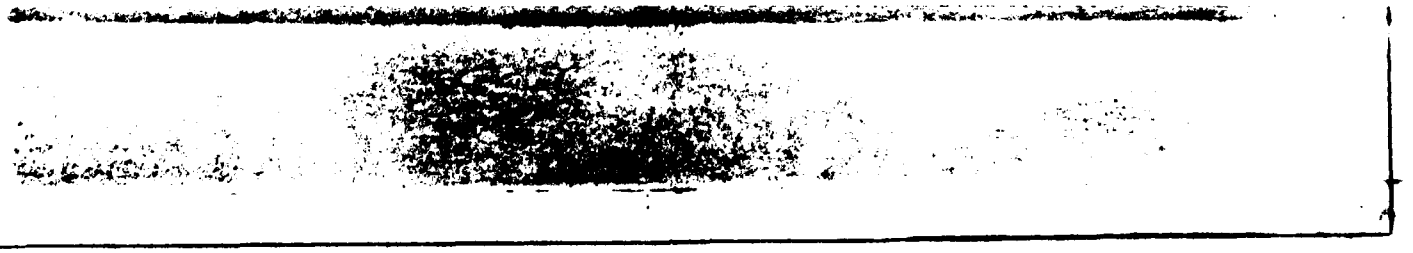
34 .46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1200 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		18.1	20.3	21.5	22.9	22.9	23.0	23.1	23.1	23.4	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000		19.8	22.0	23.2	24.8	24.8	25.3	25.4	25.4	25.7	26.1	26.1	26.1	26.1	26.1	26.2
≥ 18000		19.8	22.0	23.2	24.8	24.8	25.3	25.4	25.4	25.7	26.1	26.1	26.1	26.1	26.1	26.2
≥ 16000		19.8	22.1	23.2	24.8	24.8	25.3	25.4	25.4	25.7	26.1	26.1	26.1	26.1	26.1	26.2
≥ 14000		20.1	22.4	23.5	25.2	25.2	25.6	25.7	25.7	26.0	26.5	26.5	26.5	26.5	26.5	26.6
≥ 12000		20.8	23.0	24.2	25.8	25.8	26.2	26.3	26.3	26.7	27.1	27.1	27.1	27.1	27.1	27.2
≥ 10000		22.5	24.8	26.0	27.6	27.6	28.1	28.2	28.2	28.5	28.9	28.9	28.9	28.9	28.9	29.[illegible]
≥ 9000		22.9	25.4	26.6	28.2	28.2	28.6	28.7	28.7	29.0	29.5	29.5	29.5	29.5	29.5	29.6
≥ 8000		27.7	30.5	31.9	34.0	34.0	34.4	34.5	34.5	34.8	35.3	35.3	35.3	35.3	35.3	35.4
≥ 7000		29.1	32.2	33.7	35.9	35.9	36.3	36.5	36.5	36.8	37.2	37.2	37.2	37.2	37.2	37.3
≥ 6000		29.9	32.9	34.4	36.8	36.8	37.3	37.4	37.4	37.7	38.3	38.3	38.5	38.5	38.5	38.6
≥ 5000		32.4	35.5	37.0	39.9	39.9	40.4	40.5	40.5	40.9	41.4	41.4	41.6	41.6	41.6	41.7
≥ 4500		37.5	40.9	42.7	45.8	45.8	46.5	46.6	46.6	46.9	47.4	47.4	47.6	47.6	47.6	47.7
≥ 4000		41.8	45.3	47.1	50.5	50.8	51.5	51.7	51.7	52.0	52.6	52.6	52.8	52.9	52.9	53.0
≥ 3500		45.7	49.7	51.8	55.5	55.7	56.6	57.1	57.3	57.6	58.2	58.2	58.4	58.5	58.5	58.6
≥ 3000		49.1	53.8	56.2	60.4	60.6	61.6	62.3	62.5	63.0	63.5	63.5	63.8	63.9	63.9	64.0
≥ 2500		52.4	58.0	61.1	66.6	66.9	68.8	69.5	69.7	70.2	70.8	70.8	71.0	71.1	71.1	71.2
≥ 2000		55.9	62.0	65.5	71.9	72.3	74.3	75.2	75.5	76.1	76.9	76.9	77.1	77.2	77.2	77.3
≥ 1800		56.8	63.1	66.6	73.1	73.4	75.5	76.5	76.8	77.6	78.4	78.4	78.6	78.7	78.7	78.8
≥ 1500		57.6	64.4	68.3	75.6	76.0	78.7	79.9	80.2	81.1	81.8	81.8	82.0	82.2	82.2	82.3
≥ 1200		59.0	66.2	70.8	78.1	78.5	81.6	82.9	83.2	84.1	84.8	84.8	85.1	85.2	85.2	85.3
≥ 1000		59.5	66.8	71.7	81.2	81.6	85.3	86.6	87.0	88.0	88.7	88.7	88.9	89.0	89.0	89.1
≥ 900		59.8	67.4	72.4	81.9	82.4	86.0	87.3	87.7	88.7	89.5	89.5	89.7	89.8	89.8	89.9
≥ 800		60.3	68.0	73.0	82.9	83.4	87.6	88.9	89.5	90.4	91.2	91.2	91.4	91.5	91.5	91.6
≥ 700		60.3	68.2	73.2	83.4	84.0	88.6	90.1	90.6	91.7	92.5	92.5	92.7	92.8	92.8	92.9
≥ 600		60.4	68.3	73.3	83.7	84.2	89.0	90.6	91.2	92.3	93.0	93.0	93.2	93.3	93.3	93.4
≥ 500		60.4	68.3	73.4	84.6	85.3	90.2	92.3	92.8	93.9	94.9	94.9	95.2	95.4	95.4	95.5
≥ 400		60.4	68.3	73.4	84.7	85.4	90.3	92.7	93.3	94.4	95.5	95.5	95.8	96.0	96.1	96.5
≥ 300		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.1	96.2	96.3	96.8	97.3	97.4	98.2
≥ 200		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.2	96.3	96.6	97.0	97.5	97.6	98.8
≥ 100		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.3	96.5	96.8	97.4	98.0	98.1	99.9
≥ 0		60.4	68.3	73.4	84.7	85.4	90.4	93.1	93.9	95.3	96.5	96.8	97.4	98.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

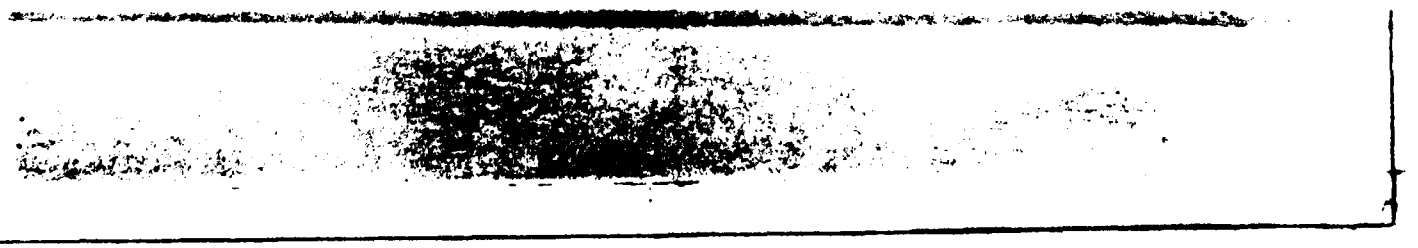
34 46	HEIDELBERG AAF DL	68-70,74-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1⅞	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		17.7	19.1	21.0	22.2	22.2	22.7	22.8	22.8	23.0	23.0	23.0	23.0	23.0	23.2	23.2
≥ 20000		18.9	20.5	22.5	24.3	24.3	24.9	25.1	25.1	25.3	25.3	25.3	25.4	25.5	25.7	25.7
≥ 18000		18.9	20.6	22.6	24.4	24.4	25.1	25.2	25.2	25.4	25.4	25.4	25.5	25.6	25.8	25.8
> 16000		19.0	20.8	22.7	24.5	24.5	25.2	25.3	25.3	25.5	25.5	25.5	25.6	25.7	25.9	25.9
≥ 14000		19.4	21.1	23.0	24.8	24.8	25.5	25.6	25.6	25.8	25.8	25.8	25.9	26.0	26.2	26.2
≥ 12000		20.1	21.9	24.0	25.8	25.8	26.5	26.6	26.6	26.8	26.8	26.8	26.9	27.0	27.2	27.2
≥ 10000		21.4	23.3	25.4	27.2	27.2	27.8	28.0	28.0	28.2	28.2	28.2	28.3	28.4	28.6	28.6
9000		22.2	24.2	26.5	28.3	28.3	28.9	29.1	29.1	29.4	29.4	29.4	29.5	29.6	29.8	29.8
≥ 8000		26.2	28.4	30.8	32.8	32.8	33.4	33.7	33.7	33.9	33.9	33.9	34.0	34.1	34.3	34.3
≥ 7000		27.4	29.6	32.0	34.1	34.1	34.7	34.9	34.9	35.2	35.2	35.2	35.3	35.4	35.6	35.6
≥ 6000		28.6	30.8	33.2	35.3	35.3	36.2	36.5	36.5	36.7	36.7	36.7	37.1	37.2	37.4	37.4
≥ 5000		31.7	33.9	36.3	38.9	39.0	40.0	40.2	40.2	40.5	40.5	40.5	41.0	41.3	41.5	41.5
≥ 4500		36.5	39.5	42.3	44.9	45.1	46.2	46.5	46.5	46.8	46.8	46.8	47.2	47.5	47.7	47.7
≥ 4000		38.9	42.5	45.2	48.6	48.8	50.0	50.3	50.3	50.6	50.6	50.6	51.1	51.4	51.6	51.6
≥ 3500		43.9	48.1	51.0	54.7	54.9	56.8	57.1	57.1	57.4	57.4	57.4	57.8	58.2	58.4	58.4
≥ 3000		47.0	52.2	55.2	59.2	59.5	61.4	61.7	61.7	62.2	62.2	62.2	62.6	62.9	63.1	63.1
≥ 2500		50.5	56.2	59.7	64.9	65.2	67.8	68.2	68.2	68.6	68.6	68.6	69.0	69.4	69.6	69.6
≥ 2000		54.5	61.6	65.4	71.1	71.3	74.2	74.7	74.7	75.2	75.2	75.2	75.6	75.9	76.1	76.1
≥ 1800		55.3	62.5	66.3	72.3	72.5	75.6	76.1	76.1	76.6	76.7	76.7	77.1	77.4	77.6	77.6
≥ 1500		56.1	63.3	67.8	74.5	74.7	78.8	79.4	79.4	79.8	80.0	80.0	80.4	80.8	81.0	81.0
≥ 1200		57.5	65.2	71.1	78.2	78.4	82.9	83.8	83.8	84.2	84.5	84.5	84.9	85.4	85.6	85.6
≥ 1000		58.2	66.3	72.8	81.1	81.3	86.1	87.2	87.2	87.6	88.0	88.0	88.4	88.8	89.0	89.0
≥ 900		58.5	67.0	73.4	81.9	82.2	87.1	88.2	88.2	88.7	89.0	89.0	89.5	89.9	90.2	90.2
≥ 800		58.7	67.2	73.9	82.6	82.8	88.1	89.1	89.1	89.7	90.0	90.0	90.4	90.9	91.2	91.2
≥ 700		58.7	67.5	74.2	82.9	83.1	88.8	90.0	90.0	90.6	91.0	91.0	91.4	91.8	92.2	92.2
≥ 600		58.7	67.5	74.2	83.0	83.2	89.4	90.6	90.6	91.3	91.6	91.6	92.0	92.5	92.8	93.0
≥ 500		58.7	67.5	74.2	84.1	84.3	90.6	92.2	92.3	93.0	93.3	93.5	94.0	94.4	94.7	95.1
≥ 400		58.7	67.5	74.2	84.1	84.3	90.6	92.4	92.5	93.3	93.7	94.0	94.4	94.9	95.4	95.9
≥ 300		58.7	67.5	74.2	84.1	84.3	90.8	92.9	93.0	94.1	94.4	94.9	95.5	96.3	96.8	97.4
≥ 200		58.9	67.7	74.4	84.3	84.5	91.0	93.2	93.3	94.7	95.1	95.6	96.1	97.0	97.5	98.6
≥ 100		58.9	67.7	74.4	84.3	84.5	91.0	93.2	93.3	94.8	95.2	95.7	96.3	97.2	98.0	99.7
≥ 0		58.9	67.7	74.4	84.3	84.5	91.0	93.2	93.3	94.8	95.2	95.8	96.5	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 936



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	DEC
STATION	STATION NAME	YEARS	MONTH

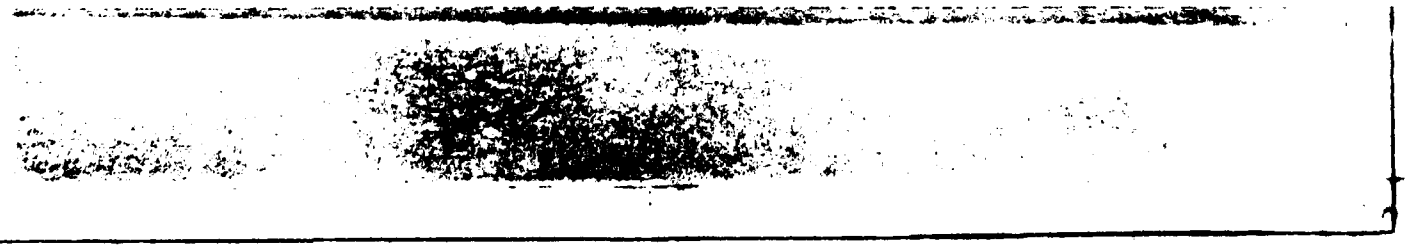
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		15.2	16.1	17.5	19.0	19.0	20.0	20.0	20.2	20.3	20.3	20.3	20.3	20.5	20.6	20.8
≥ 20000		16.3	17.3	19.0	20.8	20.8	21.7	21.7	21.9	22.0	22.0	22.0	22.0	22.4	22.6	22.7
≥ 18000		16.5	17.4	19.1	20.9	20.9	21.8	21.8	22.0	22.2	22.2	22.2	22.2	22.5	22.7	22.8
≥ 16000		16.5	17.4	19.1	20.9	20.9	21.8	21.8	22.0	22.2	22.2	22.2	22.2	22.5	22.7	22.8
≥ 14000		16.7	17.6	19.4	21.1	21.1	22.0	22.0	22.3	22.4	22.4	22.4	22.4	22.7	22.9	23.0
≥ 12000		17.0	18.0	19.9	21.6	21.6	22.6	22.6	22.8	22.9	22.9	22.9	22.9	23.2	23.4	23.5
≥ 10000		18.8	20.0	22.0	23.9	23.9	24.8	24.8	25.1	25.2	25.3	25.3	25.3	25.6	25.8	25.9
≥ 9000		19.5	20.6	22.7	24.5	24.5	25.5	25.5	25.7	25.8	25.9	25.9	25.9	26.2	26.5	26.6
≥ 8000		23.4	25.1	27.1	29.0	29.0	30.1	30.1	30.3	30.4	30.5	30.5	30.5	30.9	31.1	31.2
≥ 7000		24.6	26.6	28.8	31.1	31.1	32.4	32.4	32.6	32.7	32.8	32.8	32.8	33.1	33.3	33.4
≥ 6000		25.5	27.6	29.9	32.3	32.3	34.0	34.0	34.2	34.4	34.6	34.6	34.6	34.9	35.2	35.3
≥ 5000		27.6	30.2	32.6	35.1	35.3	37.0	37.1	37.3	37.5	37.7	37.7	37.7	38.1	38.4	38.5
≥ 4500		33.9	37.1	39.8	42.5	42.7	44.4	44.5	44.7	45.1	45.3	45.3	45.3	45.8	46.1	46.2
≥ 4000		37.5	41.	43.8	47.2	47.5	49.5	49.6	49.9	50.3	50.5	50.5	50.5	51.1	51.4	51.5
≥ 3500		42.4	46.0	49.0	52.8	53.2	55.6	56.0	56.3	56.8	57.0	57.0	57.0	57.5	57.8	58.0
≥ 3000		45.7	49.7	52.8	57.0	57.4	59.9	60.3	60.6	61.1	61.3	61.4	61.4	61.9	62.3	62.4
≥ 2500		50.0	54.3	57.6	62.4	62.8	65.6	66.0	66.5	67.0	67.2	67.3	67.3	68.0	68.3	68.4
≥ 2000		53.2	58.1	61.6	67.6	68.1	71.4	71.9	72.5	73.0	73.3	73.4	73.5	74.3	74.6	74.7
≥ 1800		54.4	59.4	63.1	69.5	69.9	73.3	74.2	74.7	75.4	75.7	75.8	75.9	76.7	77.0	77.1
≥ 1500		55.4	60.6	64.9	72.3	72.7	76.7	78.0	78.5	79.2	79.6	79.7	79.8	80.5	80.9	81.0
≥ 1200		56.6	62.3	67.8	75.4	75.8	80.1	81.9	82.5	83.3	83.9	84.0	84.1	84.9	85.4	85.5
≥ 1000		57.2	63.3	69.2	77.5	78.0	82.4	84.2	84.7	85.6	86.1	86.2	86.3	87.2	87.6	87.7
≥ 900		57.4	64.1	70.2	78.7	79.1	83.7	85.5	86.0	86.9	87.4	87.5	87.6	88.5	88.9	89.0
≥ 800		57.8	64.5	70.6	79.5	79.9	84.5	86.5	87.0	87.8	88.4	88.5	88.6	89.5	89.9	90.0
≥ 700		58.3	64.9	71.2	80.2	80.6	85.4	87.6	88.2	89.0	89.6	89.7	89.8	90.8	91.2	91.3
≥ 600		58.4	65.3	71.7	81.0	81.4	86.2	88.5	89.0	89.9	90.4	90.5	90.6	91.6	92.0	92.2
≥ 500		58.4	65.3	72.0	81.4	81.9	87.1	89.7	90.3	91.4	91.9	92.2	92.3	93.2	93.7	93.8
≥ 400		58.4	65.3	72.0	81.5	82.0	87.6	90.5	91.3	92.8	93.4	93.7	93.8	94.9	95.4	95.5
≥ 300		58.4	65.3	72.0	81.5	82.0	87.6	90.8	91.5	93.3	94.0	94.4	94.9	96.3	96.8	97.0
≥ 200		58.4	65.3	72.0	81.5	82.0	87.6	90.8	91.6	93.4	94.2	94.6	95.2	96.7	97.2	98.0
≥ 100		58.4	65.3	72.0	81.5	82.0	87.6	90.8	91.6	93.5	94.3	94.7	95.5	97.1	97.8	99.6
≥ 0		58.4	65.3	72.0	81.5	82.0	87.6	90.8	91.6	93.5	94.3	94.7	95.5	97.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

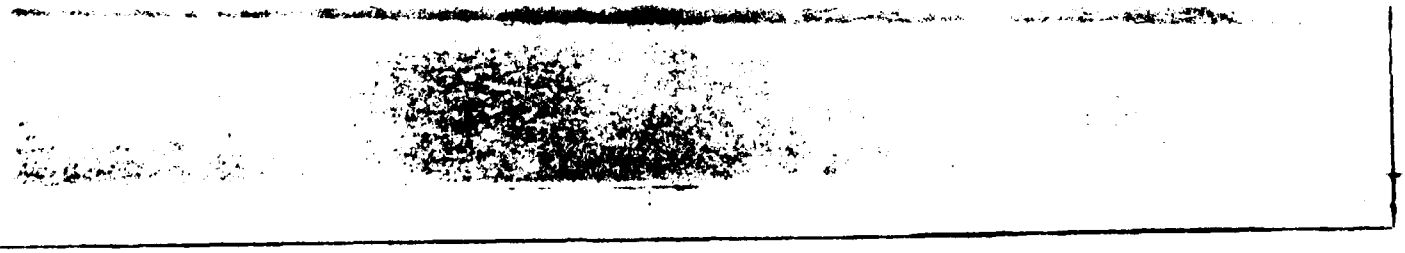
CEILING VERSUS VISIBILITY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
DEC — MONTH
0900-1100 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		13.0	15.4	16.3	18.1	18.1	18.9	19.4	19.5	20.2	20.3	20.3	20.3	20.4	20.4	21.0
≥ 20000		14.0	16.7	17.8	19.9	19.9	20.9	21.3	21.5	22.4	22.5	22.5	22.5	22.6	22.6	23.1
≥ 18000		14.0	16.7	17.8	19.9	19.9	20.9	21.4	21.6	22.5	22.6	22.6	22.6	22.7	22.7	23.2
≥ 16000		14.0	16.7	17.8	19.9	19.9	20.9	21.4	21.6	22.5	22.6	22.6	22.6	22.7	22.7	23.2
≥ 14000		14.2	16.9	18.1	20.1	20.1	21.1	21.6	21.8	22.7	22.8	22.8	22.8	22.9	22.9	23.4
≥ 12000		15.1	17.7	19.0	21.1	21.1	22.0	22.6	22.8	23.7	23.8	23.8	23.8	23.9	23.9	24.4
≥ 10000		17.4	20.1	21.5	23.5	23.5	24.5	25.1	25.4	26.2	26.3	26.3	26.3	26.5	26.5	27.0
≥ 9000		17.7	20.4	21.9	24.1	24.1	25.1	25.6	25.9	26.9	27.0	27.0	27.0	27.1	27.1	27.6
≥ 8000		21.9	24.8	26.3	28.9	28.9	29.9	30.4	30.8	31.7	31.8	31.8	31.8	31.9	31.9	32.5
≥ 7000		23.3	26.5	28.0	30.6	30.6	31.7	32.4	32.8	33.9	34.0	34.0	34.0	34.1	34.1	34.6
≥ 6000		24.3	27.4	29.1	31.9	31.9	33.0	33.9	34.5	35.6	35.7	35.7	35.7	35.8	35.8	36.3
≥ 5000		25.7	29.2	31.0	34.1	34.1	35.2	36.1	36.8	37.8	38.0	38.1	38.1	38.2	38.2	38.8
≥ 4500		30.4	34.1	36.1	40.1	40.2	41.6	42.8	43.4	44.5	44.6	44.7	44.7	44.8	44.8	45.5
≥ 4000		34.5	38.5	40.5	45.1	45.2	46.8	48.2	48.8	50.1	50.2	50.3	50.3	50.4	50.4	51.1
≥ 3500		38.3	42.8	45.1	50.1	50.2	52.0	53.7	54.3	55.6	55.7	55.9	55.9	56.0	56.0	56.7
≥ 3000		41.4	46.0	48.5	54.0	54.1	56.2	58.2	58.8	60.4	60.5	60.8	60.9	61.0	61.0	61.6
≥ 2500		44.6	49.7	52.5	59.1	59.4	61.9	64.2	64.9	66.6	66.7	66.9	67.0	67.1	67.1	67.7
≥ 2000		47.3	52.5	55.4	63.4	63.7	67.4	70.0	71.1	73.2	73.4	73.7	73.8	74.0	74.0	74.6
≥ 1800		47.4	52.7	55.6	64.3	64.5	68.3	71.0	72.0	74.4	74.7	74.9	75.2	75.4	75.4	76.1
≥ 1500		48.7	54.5	57.5	67.2	67.4	71.7	74.8	76.0	78.7	79.0	79.2	79.5	79.7	79.7	80.3
≥ 1200		49.6	55.7	59.1	70.2	70.4	75.4	78.7	79.9	82.6	82.9	83.1	83.3	83.5	83.5	84.2
≥ 1000		50.0	56.6	60.2	72.5	72.8	78.2	81.6	82.9	85.8	86.2	86.5	86.7	86.9	86.9	87.5
≥ 900		50.1	56.8	60.4	73.3	73.7	79.2	82.7	84.0	87.0	87.4	87.6	87.8	88.1	88.2	88.8
≥ 800		50.4	57.1	60.8	73.7	74.3	80.2	83.7	84.9	88.3	88.8	89.0	89.4	89.7	89.9	90.5
≥ 700		50.4	57.4	61.4	74.9	75.7	81.9	86.1	87.5	91.1	91.6	91.8	92.2	92.5	92.7	93.3
≥ 600		50.4	57.6	61.6	75.8	76.6	82.9	87.3	88.7	92.3	92.8	93.0	93.3	93.7	93.9	94.5
≥ 500		50.4	57.6	61.6	76.2	77.0	83.4	87.8	89.5	93.1	93.9	94.1	94.4	94.8	95.1	95.7
≥ 400		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.0	94.7	94.9	95.3	95.8	96.0	96.7
≥ 300		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.3	96.9	97.1	97.7
≥ 200		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.5	97.2	97.6	98.5
≥ 100		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.5	97.3	98.0	99.7
≥ 0		50.4	57.6	61.6	76.3	77.1	83.5	88.2	90.0	94.4	95.6	95.9	96.5	97.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46 — STATION
HEIDELBERG AAF GL — STATION NAME
68-70,74-80 — YEARS
DEC — MONTH
1200-1400 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		15.1	16.3	17.2	19.2	19.2	19.9	21.0	21.4	22.2	22.3	22.3	22.3	22.3	22.3	22.3
≥ 20000		17.4	18.6	19.9	22.5	22.5	23.4	24.5	24.9	25.7	25.8	25.9	25.9	26.1	26.1	26.1
≥ 18000		17.6	18.8	20.1	22.7	22.7	23.7	24.7	25.2	25.9	26.0	26.1	26.1	26.3	26.3	26.3
≥ 16000		17.6	18.8	20.1	22.7	22.7	23.7	24.7	25.2	25.9	26.0	26.1	26.1	26.3	26.3	26.3
≥ 14000		17.6	18.8	20.1	22.8	22.8	23.8	24.8	25.3	26.0	26.1	26.2	26.2	26.5	26.5	26.5
≥ 12000		18.7	19.9	21.2	24.3	24.3	25.3	26.3	26.8	27.5	27.6	27.7	27.7	28.0	28.0	28.0
≥ 10000		20.1	21.4	22.9	26.1	26.1	27.2	28.3	28.7	29.5	29.6	29.7	29.7	29.9	29.9	29.9
≥ 9000		20.9	22.3	23.8	27.0	27.0	28.1	29.1	29.6	30.3	30.4	30.5	30.5	30.8	30.8	30.8
≥ 8000		24.2	26.0	27.8	31.4	31.4	32.9	34.0	34.5	35.3	35.4	35.5	35.5	35.7	35.7	35.7
≥ 7000		25.1	27.0	28.9	32.6	32.6	34.1	35.2	35.7	36.8	36.9	37.0	37.0	37.2	37.2	37.2
≥ 6000		25.7	27.6	29.7	33.3	33.3	34.8	35.9	36.5	37.5	37.6	37.7	37.7	38.0	38.0	38.0
≥ 5000		28.5	30.9	33.0	36.7	36.7	38.2	39.2	39.8	40.9	41.0	41.1	41.1	41.3	41.3	41.3
≥ 4500		32.4	34.8	37.3	41.9	41.9	43.5	45.1	45.6	46.7	46.8	46.9	46.9	47.1	47.1	47.1
≥ 4000		36.5	39.6	42.2	47.6	47.6	49.6	51.4	52.0	53.1	53.2	53.3	53.3	53.5	53.5	53.5
≥ 3500		40.1	43.4	46.2	52.4	52.5	54.5	56.6	57.4	58.5	58.6	58.7	58.7	58.9	58.9	58.9
≥ 3000		44.1	47.7	50.9	57.3	57.4	59.7	61.7	62.6	63.8	63.9	64.0	64.0	64.2	64.2	64.2
≥ 2500		47.1	51.3	54.7	62.2	62.3	64.8	67.2	68.2	69.7	69.9	70.1	70.1	70.3	70.3	70.3
≥ 2000		49.0	53.5	57.2	66.5	66.6	70.0	72.9	73.9	75.8	76.1	76.3	76.3	76.6	76.6	76.6
≥ 1800		49.6	54.1	58.0	67.6	67.8	71.4	74.3	75.3	77.2	77.5	77.7	77.7	78.0	78.0	78.0
≥ 1500		51.3	56.5	60.6	71.1	71.3	75.5	78.6	79.6	81.6	81.9	82.2	82.2	82.4	82.4	82.4
≥ 1200		52.4	58.1	62.9	75.4	75.7	80.4	83.7	84.6	87.0	87.4	87.6	87.6	87.8	87.8	87.8
≥ 1000		52.7	58.7	63.7	77.1	77.5	82.8	86.3	87.3	89.9	90.4	90.6	90.6	90.9	90.9	90.9
≥ 900		52.7	58.7	63.9	77.6	78.1	83.4	87.0	88.0	90.5	91.1	91.3	91.3	91.5	91.5	91.5
≥ 800		53.0	59.1	64.3	78.8	79.4	84.7	88.8	89.8	92.6	93.2	93.5	93.5	93.8	94.0	94.0
≥ 700		53.0	59.1	64.3	79.2	79.9	85.3	89.4	90.3	93.2	93.9	94.2	94.2	94.4	94.7	94.7
≥ 600		53.1	59.1	64.5	79.7	80.4	86.2	90.4	91.5	94.6	95.3	95.6	95.6	95.8	96.1	96.1
≥ 500		53.1	59.1	64.5	79.8	80.6	86.6	91.0	92.0	95.3	96.2	96.7	96.7	96.9	97.2	97.2
≥ 400		53.2	59.2	64.6	79.9	80.8	86.7	91.1	92.2	95.4	96.3	96.8	96.8	97.0	97.3	97.3
≥ 300		53.2	59.2	64.6	79.9	80.8	86.7	91.1	92.2	95.5	96.6	97.3	97.8	98.1	98.6	98.6
≥ 200		53.2	59.2	64.6	79.9	80.8	86.7	91.1	92.2	95.5	96.6	97.3	97.8	98.2	98.7	99.0
≥ 100		53.2	59.2	64.6	80.0	80.9	86.8	91.2	92.3	95.6	96.9	97.6	98.2	98.5	99.1	100.0
≥ 0		53.2	59.2	64.6	80.0	80.9	86.8	91.2	92.3	95.6	96.9	97.6	98.2	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

38 46	HEIDELBERG AAF DL	68-70,74-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		17.1	18.8	19.9	21.7	21.7	23.1	23.7	23.9	24.0	24.2	24.3	24.3	24.4	24.5	24.5
≥ 20000		19.2	21.6	22.9	25.1	25.1	26.5	27.0	27.2	27.3	27.6	27.7	27.7	28.0	28.1	28.1
≥ 18000		19.2	21.6	22.9	25.1	25.1	26.5	27.0	27.2	27.3	27.6	27.7	27.7	28.0	28.1	28.1
≥ 16000		19.2	21.6	22.9	25.1	25.1	26.5	27.0	27.2	27.3	27.6	27.7	27.7	28.0	28.1	28.1
≥ 14000		19.8	22.4	23.7	25.8	25.8	27.2	27.7	28.0	28.1	28.4	28.5	28.5	28.7	28.8	28.8
≥ 12000		20.6	23.3	24.8	27.5	27.5	28.9	29.5	29.7	29.8	30.1	30.2	30.2	30.4	30.5	30.5
≥ 10000		21.9	24.6	26.2	29.2	29.2	30.9	31.5	31.7	31.8	32.2	32.3	32.3	32.5	32.6	32.6
≥ 9000		22.9	25.6	27.4	30.4	30.4	32.0	32.7	32.9	33.0	33.3	33.4	33.4	33.7	33.8	33.8
≥ 8000		24.8	27.8	30.0	33.1	33.1	34.9	35.6	35.8	35.9	36.2	36.3	36.3	36.6	36.7	36.7
≥ 7000		25.9	29.2	31.5	34.6	34.6	36.5	37.1	37.4	37.7	38.1	38.2	38.2	38.4	38.5	38.5
≥ 6000		26.6	29.9	32.2	35.4	35.5	37.5	38.2	38.5	38.8	39.1	39.2	39.2	39.5	39.6	39.6
≥ 5000		29.2	32.9	35.3	38.6	38.8	41.1	41.8	42.2	42.5	42.8	42.9	42.9	43.1	43.2	43.2
≥ 4500		34.1	38.1	40.5	44.2	44.4	46.7	47.6	48.0	48.3	48.6	48.7	48.7	48.9	49.0	49.0
≥ 4000		39.2	43.3	46.0	50.6	50.9	53.3	54.6	55.1	55.4	55.7	55.8	55.8	56.1	56.1	56.1
≥ 3500		42.5	46.7	49.8	55.1	55.3	57.8	59.4	59.9	60.2	60.5	60.6	60.6	60.9	61.0	61.0
≥ 3000		45.5	50.4	54.1	59.8	60.0	62.6	64.2	64.7	65.1	65.4	65.5	65.5	65.7	65.8	65.8
≥ 2500		48.2	53.7	58.0	64.7	65.1	67.7	69.5	70.0	70.8	71.1	71.2	71.2	71.4	71.5	71.5
≥ 2000		51.7	58.2	62.8	71.3	71.8	74.8	77.3	78.0	79.7	80.0	80.1	80.1	80.3	80.4	80.4
≥ 1800		51.9	58.5	63.1	72.2	72.7	76.0	78.9	79.6	81.3	81.6	81.7	81.7	81.9	82.0	82.0
≥ 1500		53.0	59.9	65.1	74.6	75.2	78.7	82.0	82.7	84.7	85.2	85.3	85.3	85.5	85.6	85.6
≥ 1200		53.8	61.1	66.6	77.4	78.0	82.4	86.2	86.9	88.9	89.5	89.6	89.6	89.8	89.9	89.9
≥ 1000		54.2	61.7	67.7	78.9	79.7	84.6	88.8	89.5	91.6	92.4	92.5	92.6	92.8	92.9	92.9
≥ 900		54.2	61.7	68.0	79.6	80.3	85.6	89.9	90.5	92.7	93.5	93.7	93.8	94.0	94.1	94.1
≥ 800		54.3	61.8	68.2	80.4	81.3	86.6	90.9	91.7	93.9	94.7	94.8	95.2	95.4	95.5	95.5
≥ 700		54.3	61.8	68.2	80.5	81.5	87.0	91.3	92.4	94.5	95.4	95.5	95.8	96.0	96.1	96.5
≥ 600		54.3	61.8	68.2	80.8	81.8	87.4	91.8	93.0	95.2	96.0	96.1	96.5	96.7	96.8	97.1
≥ 500		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	96.8	96.9	97.2	97.4	97.5	97.8
≥ 400		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	96.9	97.0	97.4	97.6	97.7	98.1
≥ 300		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	96.9	97.4	97.8	98.4	98.6	99.0
≥ 200		54.3	61.8	68.2	80.9	81.9	87.6	92.3	93.4	95.9	97.0	97.5	98.1	98.9	99.2	99.8
≥ 100		54.3	61.8	68.3	81.0	82.0	87.7	92.4	93.5	96.0	97.1	97.6	98.2	99.0	99.4	100.0
≥ 0		54.3	61.8	68.3	81.0	82.0	87.7	92.4	93.5	96.0	97.1	97.6	98.2	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF OL	68-70,74-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		19.6	21.5	22.6	25.4	25.4	26.8	26.9	27.0	27.1	27.2	27.5	27.5	27.6	27.6	27.6
≥ 20000		21.2	23.5	24.6	27.4	27.4	28.8	28.9	29.0	29.1	29.2	29.6	29.6	29.7	29.7	29.7
≥ 18000		21.3	23.7	24.7	27.5	27.5	28.9	29.0	29.1	29.2	29.4	29.7	29.7	29.8	29.8	29.8
≥ 16000		21.3	23.7	24.7	27.5	27.5	28.9	29.0	29.1	29.2	29.4	29.7	29.7	29.8	29.8	29.8
≥ 14000		21.8	24.2	25.3	28.1	28.1	29.5	29.6	29.7	29.8	29.9	30.2	30.2	30.3	30.3	30.3
≥ 12000		22.3	24.6	25.7	28.6	28.6	30.0	30.1	30.2	30.3	30.4	30.8	30.8	30.9	30.9	30.9
≥ 10000		23.5	26.0	27.4	30.8	30.8	32.2	32.3	32.4	32.5	32.6	32.9	32.9	33.0	33.0	33.0
≥ 9000		23.9	26.5	27.8	31.3	31.3	32.7	32.8	32.9	33.0	33.1	33.4	33.4	33.5	33.5	33.5
≥ 8000		26.9	29.6	31.1	34.6	34.6	36.1	36.2	36.3	36.7	36.8	37.1	37.1	37.2	37.2	37.2
≥ 7000		28.0	30.6	32.5	36.0	36.0	37.5	38.1	38.3	38.6	38.7	39.0	39.0	39.2	39.2	39.2
≥ 6000		28.3	31.0	32.8	36.3	36.3	37.8	38.7	38.9	39.2	39.4	39.7	39.7	39.9	39.9	39.9
≥ 5000		30.4	33.2	35.3	39.8	39.8	41.5	42.4	42.6	42.9	43.0	43.3	43.3	43.5	43.5	43.5
≥ 4500		34.1	36.9	39.0	43.8	43.8	45.5	46.3	46.6	46.9	47.0	47.3	47.3	47.5	47.5	47.5
≥ 4000		38.2	41.2	43.7	49.0	49.0	50.8	51.7	51.9	52.4	52.5	52.8	52.8	53.0	53.0	53.0
≥ 3500		44.2	47.3	50.1	56.6	56.7	58.4	59.4	59.7	60.2	60.3	60.6	60.6	60.9	60.9	60.9
≥ 3000		46.5	49.7	52.9	59.5	59.7	61.4	62.5	62.8	63.3	63.4	63.9	63.9	64.1	64.1	64.1
≥ 2500		51.2	55.8	59.4	66.7	67.1	69.5	70.8	71.1	71.6	71.7	72.2	72.2	72.4	72.4	72.4
≥ 2000		55.3	61.7	65.7	74.6	75.2	78.2	79.8	80.1	81.0	81.1	81.5	81.5	81.7	81.7	81.7
≥ 1800		56.1	62.2	66.1	75.7	76.3	79.6	81.3	81.6	82.5	82.6	83.0	83.0	83.2	83.2	83.2
≥ 1500		57.0	63.1	67.4	77.4	78.3	81.7	83.4	83.8	84.8	85.1	85.5	85.5	85.7	85.7	85.7
≥ 1200		57.8	64.3	68.8	80.5	81.5	85.3	87.3	87.6	88.9	89.2	89.7	89.7	89.9	89.9	89.9
≥ 1000		57.8	64.4	69.1	81.6	82.6	87.0	89.1	89.5	91.0	91.3	91.7	91.7	91.9	91.9	91.9
≥ 900		57.8	64.4	69.2	82.3	83.2	87.7	90.0	90.3	91.9	92.3	92.7	92.7	92.9	92.9	92.9
≥ 800		58.0	64.5	69.7	83.3	84.3	89.2	91.5	91.8	93.5	93.9	94.4	94.4	94.6	94.6	94.6
≥ 700		58.0	64.7	70.2	84.5	85.5	90.9	93.1	93.4	95.5	95.8	96.3	96.3	96.6	96.7	96.8
≥ 600		58.0	64.7	70.2	84.7	85.7	91.1	93.3	93.7	95.8	96.1	96.7	96.7	96.9	97.0	97.1
≥ 500		58.1	64.8	70.3	84.8	85.8	91.3	93.7	94.0	96.2	96.6	97.1	97.3	97.5	97.6	97.7
≥ 400		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.3	96.8	97.3	97.6	98.0	98.1	98.3
≥ 300		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.5	97.1	97.7	98.2	98.8	98.9	99.1
≥ 200		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.8	97.5	98.2	98.9	99.6	99.8	100.0
≥ 100		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.8	97.5	98.2	98.9	99.6	99.8	100.0
≥ 0		58.1	64.8	70.3	84.8	85.8	91.4	93.8	94.1	96.8	97.5	98.2	98.9	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34 46	HEIDELBERG AAF DL	68-70,74-80	DEC
STATION	STATION NAME	YEARS	MONTH

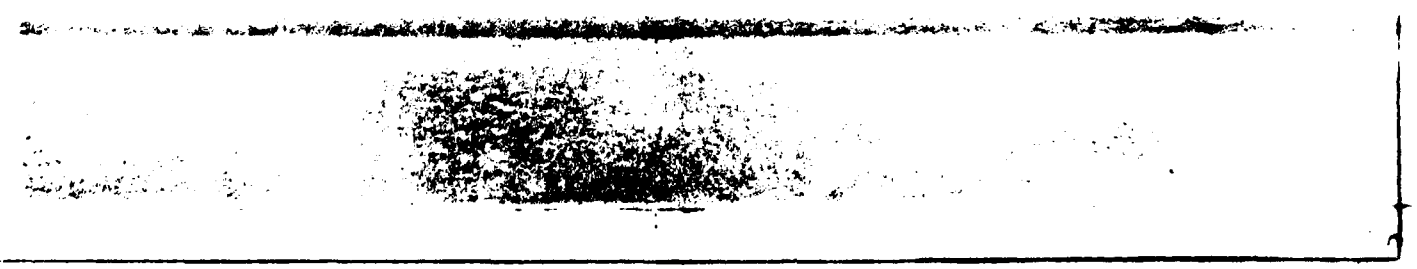
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		18.4	21.1	21.2	23.4	23.4	24.3	24.4	24.4	24.8	24.9	25.1	25.3	25.6	25.6	26.1
≥ 20000		20.2	21.9	23.0	25.6	25.6	26.5	26.6	26.6	27.0	27.1	27.2	27.4	27.7	27.7	28.3
≥ 18000		20.4	22.2	23.2	25.8	25.8	26.7	26.8	26.8	27.2	27.3	27.4	27.6	28.0	28.0	28.5
≥ 16000		20.5	22.3	23.3	25.9	25.9	26.8	26.9	26.9	27.3	27.4	27.5	27.7	28.1	28.1	28.6
≥ 14000		20.9	22.6	23.7	26.2	26.2	27.1	27.2	27.2	27.6	27.7	27.8	28.1	28.4	28.4	28.9
≥ 12000		21.4	23.1	24.2	26.8	26.8	27.6	27.7	27.7	28.2	28.3	28.4	28.6	28.9	28.9	29.5
≥ 10000		22.3	24.1	25.2	27.8	27.8	28.7	28.8	28.8	29.2	29.4	29.5	29.7	30.0	30.0	30.5
≥ 9000		22.7	24.6	25.7	28.7	28.7	29.6	29.7	29.7	30.1	30.2	30.3	30.5	30.9	30.9	31.4
≥ 8000		25.9	27.8	29.1	32.7	32.7	33.9	34.1	34.1	34.7	34.8	34.9	35.2	35.5	35.5	36.0
≥ 7000		26.5	28.7	30.4	34.0	34.0	35.3	35.6	35.6	36.2	36.3	36.5	36.7	37.0	37.0	37.5
≥ 6000		26.9	29.1	30.9	34.4	34.4	35.7	36.2	36.2	37.0	37.1	37.2	37.4	37.7	37.7	38.3
≥ 5000		29.5	31.8	33.8	37.6	37.6	38.9	39.5	39.5	40.3	40.4	40.5	40.8	41.1	41.1	41.6
≥ 4500		34.2	36.6	38.6	42.8	42.8	44.1	44.6	44.6	45.5	45.6	45.7	45.9	46.2	46.2	46.8
≥ 4000		38.6	41.1	43.4	48.5	48.5	49.9	50.4	50.4	51.4	51.5	51.6	51.8	52.2	52.2	52.7
≥ 3500		43.0	45.7	48.8	54.4	54.4	55.8	56.6	56.6	57.5	57.6	57.7	58.0	58.3	58.3	58.8
≥ 3000		46.2	49.2	52.7	58.6	58.6	60.2	61.2	61.2	62.2	62.3	62.4	62.6	62.9	62.9	63.4
≥ 2500		51.0	54.6	58.1	64.9	64.9	67.2	68.5	68.5	69.6	69.7	69.8	70.0	70.3	70.3	70.9
≥ 2000		54.5	59.2	63.7	71.9	71.9	74.9	76.5	76.5	77.6	77.7	77.8	78.1	78.4	78.4	78.9
≥ 1800		54.9	60.1	64.6	73.0	73.1	76.3	77.8	77.8	79.2	79.4	79.5	79.7	80.0	80.0	80.5
≥ 1500		56.2	61.4	66.3	75.3	75.4	79.4	80.9	80.9	82.3	82.4	82.5	82.7	83.0	83.0	83.5
≥ 1200		57.5	63.0	68.3	77.8	78.0	82.0	83.9	83.9	85.3	85.4	85.5	85.7	86.0	86.0	86.6
≥ 1000		58.1	63.7	69.1	80.3	80.4	85.2	87.1	87.1	88.7	88.9	89.0	89.2	89.6	89.6	90.1
≥ 900		58.2	64.1	70.0	81.7	81.8	86.6	88.6	88.7	90.3	90.5	90.6	90.9	91.2	91.2	91.7
≥ 800		58.2	64.1	70.1	82.0	82.2	86.9	89.5	89.7	91.5	91.7	91.8	92.0	92.4	92.4	92.9
≥ 700		58.2	64.3	70.3	83.0	83.1	88.5	91.2	91.4	93.5	93.8	93.9	94.1	94.4	94.4	94.9
≥ 600		58.2	64.3	70.3	83.1	83.2	88.9	91.7	91.9	94.1	94.4	94.5	94.7	95.1	95.1	95.6
≥ 500		58.2	64.3	70.3	83.4	83.5	89.9	92.7	93.0	95.3	95.7	95.8	96.1	96.5	96.5	97.3
≥ 400		58.2	64.3	70.3	83.4	83.5	89.9	92.7	93.0	95.3	96.0	96.2	96.6	97.0	97.0	98.0
≥ 300		58.2	64.3	70.3	83.4	83.5	89.9	92.8	93.1	95.7	96.5	96.7	97.1	97.7	98.0	99.2
≥ 200		58.2	64.3	70.3	83.4	83.5	89.9	92.8	93.1	95.8	96.6	96.8	97.3	98.0	98.2	99.6
≥ 100		58.3	64.4	70.4	83.5	83.7	90.0	92.9	93.2	95.9	96.7	96.9	97.4	98.3	98.5	100.0
≥ 0		58.3	64.4	70.4	83.5	83.7	90.0	92.9	93.2	95.9	96.7	96.9	97.4	98.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

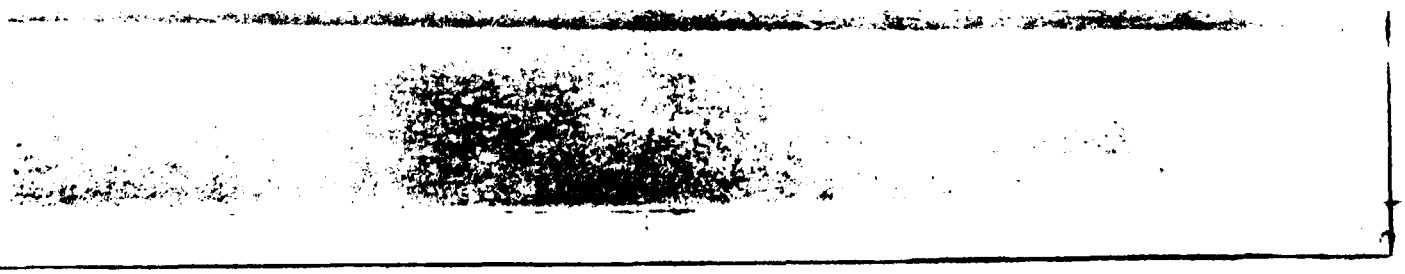
34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | DEC (MONTH) | ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		16.6	18.4	19.7	21.5	21.5	22.3	22.6	22.8	23.1	23.3	23.3	23.4	23.5	23.5	23.7
≥ 20000		18.4	20.3	21.6	23.8	23.8	24.7	25.1	25.2	25.6	25.7	25.8	25.8	26.0	26.1	26.2
≥ 18000		18.5	20.4	21.7	23.9	23.9	24.8	25.2	25.3	25.7	25.8	25.9	25.9	26.1	26.2	26.3
≥ 16000		18.5	20.4	21.7	23.9	23.9	24.9	25.2	25.3	25.7	25.8	25.9	26.0	26.1	26.2	26.4
≥ 14000		18.8	20.7	22.1	24.3	24.3	25.2	25.5	25.7	26.0	26.2	26.3	26.3	26.5	26.6	26.7
≥ 12000		19.5	21.5	22.9	25.2	25.2	26.1	26.5	26.6	27.0	27.1	27.2	27.2	27.4	27.5	27.6
≥ 10000		21.0	23.1	24.6	27.0	27.0	28.0	28.4	28.5	28.9	29.0	29.1	29.2	29.3	29.4	29.6
≥ 9000		21.6	23.7	25.3	27.8	27.8	28.8	29.2	29.3	29.7	29.9	29.9	30.0	30.1	30.2	30.4
≥ 8000		25.1	27.5	29.3	32.1	32.1	33.2	33.6	33.8	34.2	34.3	34.4	34.5	34.6	34.7	34.9
≥ 7000		26.2	28.8	30.7	33.6	33.6	34.8	35.3	35.5	36.0	36.1	36.2	36.3	36.5	36.5	36.7
≥ 6000		27.3	29.5	31.5	34.5	34.5	35.8	36.3	36.6	37.1	37.3	37.4	37.5	37.7	37.8	37.9
≥ 5000		29.4	32.2	34.3	37.6	37.6	39.0	39.6	39.9	40.4	40.6	40.7	40.8	41.0	41.1	41.3
≥ 4500		34.1	37.2	39.5	43.3	43.3	44.8	45.5	45.7	46.3	46.5	46.6	46.7	46.9	47.0	47.2
≥ 4000		38.2	41.5	44.0	48.4	48.5	50.2	51.0	51.3	51.9	52.1	52.2	52.3	52.6	52.6	52.8
≥ 3500		42.5	46.2	49.0	53.9	54.1	55.9	57.0	57.3	58.0	58.2	58.3	58.4	58.6	58.7	58.9
≥ 3000		45.7	49.8	52.9	58.2	58.4	60.4	61.5	61.9	62.6	62.8	62.9	63.1	63.3	63.4	63.6
≥ 2500		49.4	54.2	57.6	63.9	64.2	66.7	68.0	68.4	69.2	69.4	69.6	69.7	70.0	70.1	70.2
≥ 2000		52.8	58.4	62.2	69.8	70.1	73.2	74.8	75.3	76.5	76.7	76.9	77.0	77.3	77.4	77.6
≥ 1800		53.3	59.1	62.9	71.0	71.3	74.5	76.3	76.7	78.0	78.3	78.5	78.6	78.9	79.0	79.2
≥ 1500		54.4	60.5	64.8	73.5	73.9	77.6	79.6	80.1	81.5	81.9	82.0	82.2	82.5	82.5	82.7
≥ 1200		55.5	62.5	66.9	76.6	77.0	81.3	83.5	84.0	85.5	86.0	86.1	86.3	86.6	86.7	86.8
≥ 1000		56.0	62.7	68.0	78.8	79.2	83.9	86.4	86.9	88.5	89.0	89.2	89.3	89.6	89.7	89.9
≥ 900		56.1	63.3	68.4	79.6	80.1	84.9	87.4	87.9	89.6	90.1	90.2	90.4	90.7	90.8	91.0
≥ 800		56.3	63.3	68.8	80.4	80.9	86.0	88.6	89.2	91.0	91.5	91.7	91.9	92.2	92.4	92.5
≥ 700		56.4	63.5	69.1	81.1	81.7	87.0	89.9	90.5	92.4	92.9	93.1	93.3	93.7	93.8	94.1
≥ 600		56.4	63.6	69.3	81.5	82.1	87.6	90.6	91.2	93.2	93.7	93.9	94.1	94.4	94.6	94.9
≥ 500		56.5	63.6	69.3	81.9	82.6	88.3	91.4	92.2	94.3	94.9	95.1	95.4	95.8	96.0	96.3
≥ 400		56.5	63.6	69.3	82.0	82.6	88.5	91.7	92.5	94.7	95.4	95.7	96.0	96.4	96.6	97.0
≥ 300		56.5	63.6	69.3	82.0	82.6	88.5	91.9	92.6	95.1	95.9	96.3	96.8	97.5	97.8	98.3
≥ 200		56.5	63.6	69.4	82.0	82.6	88.5	91.9	92.7	95.2	96.1	96.6	97.1	97.9	98.2	99.0
≥ 100		56.5	63.7	69.4	82.0	82.7	88.6	91.9	92.7	95.3	96.2	96.7	97.3	98.1	98.6	99.9
≥ 0		56.5	63.7	69.4	82.0	82.7	88.6	91.9	92.7	95.3	96.2	96.7	97.3	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7445

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

34 46	HEIDELBERG AAF DL	68-70,74-81	ALL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING		30.1	31.7	32.9	35.2	35.3	36.2	36.5	36.7	37.0	37.0	37.1	37.1	37.2	37.2	37.3
≥ 20000		33.7	35.6	37.0	39.5	39.7	40.6	41.0	41.2	41.5	41.6	41.7	41.7	41.8	41.8	41.9
≥ 18000		33.9	35.7	37.2	39.7	39.9	40.8	41.2	41.4	41.7	41.8	41.9	41.9	42.0	42.0	42.1
≥ 16000		33.9	35.8	37.2	39.8	39.9	40.9	41.3	41.5	41.8	41.9	41.9	42.0	42.0	42.1	42.2
≥ 14000		34.3	36.1	37.6	40.1	40.3	41.3	41.7	41.8	42.2	42.2	42.3	42.4	42.4	42.5	42.6
≥ 12000		35.1	37.0	38.5	41.2	41.3	42.3	42.7	42.9	43.2	43.3	43.4	43.4	43.5	43.5	43.6
≥ 10000		37.8	39.9	41.6	44.5	44.7	45.7	46.2	46.4	46.8	46.8	46.9	46.9	47.0	47.1	47.2
≥ 9000		39.7	41.9	43.7	46.7	46.9	48.0	48.5	48.7	49.1	49.2	49.2	49.3	49.3	49.4	49.5
≥ 8000		45.5	48.1	50.2	53.7	53.9	55.2	55.8	56.0	56.4	56.5	56.5	56.6	56.7	56.7	56.9
≥ 7000		47.3	50.0	52.2	55.8	56.0	57.4	58.0	58.3	58.7	58.8	58.8	58.9	59.0	59.0	59.2
≥ 6000		48.1	50.9	53.2	56.9	57.1	58.5	59.1	59.4	59.8	59.9	60.0	60.1	60.1	60.2	60.3
≥ 5000		51.2	54.2	56.6	60.6	60.8	62.3	63.0	63.3	63.7	63.8	63.9	64.0	64.0	64.1	64.2
≥ 4500		55.1	58.5	61.0	65.4	65.6	67.2	67.9	68.2	68.7	68.8	68.8	68.9	69.0	69.0	69.2
≥ 4000		58.4	61.9	64.7	69.5	69.8	71.5	72.2	72.5	73.0	73.1	73.2	73.3	73.3	73.4	73.5
≥ 3500		61.8	65.6	68.7	73.9	74.2	76.0	76.8	77.1	77.6	77.7	77.8	77.8	77.9	78.0	78.1
≥ 3000		64.3	68.5	71.8	77.4	77.7	79.6	80.5	80.8	81.4	81.5	81.6	81.7	81.8	81.8	81.9
≥ 2500		66.2	70.8	74.3	80.4	80.8	82.9	83.9	84.2	84.8	84.9	85.0	85.1	85.2	85.2	85.4
≥ 2000		68.1	73.1	77.1	84.1	84.6	87.0	88.2	88.5	89.3	89.4	89.5	89.6	89.7	89.7	89.8
≥ 1800		68.4	73.5	77.5	84.7	85.2	87.7	88.9	89.3	90.0	90.2	90.2	90.3	90.4	90.5	90.6
≥ 1500		69.0	74.2	78.5	86.2	86.7	89.5	90.8	91.2	92.0	92.2	92.3	92.4	92.5	92.5	92.7
≥ 1200		69.3	74.6	79.1	87.2	87.7	90.7	92.1	92.6	93.4	93.6	93.7	93.8	93.9	93.9	94.1
≥ 1000		69.5	74.9	79.4	87.8	88.3	91.5	93.0	93.5	94.4	94.6	94.7	94.8	94.9	94.9	95.1
≥ 900		69.5	75.0	79.5	88.	88.6	91.8	93.3	93.8	94.8	95.0	95.1	95.2	95.3	95.3	95.5
≥ 800		69.6	75.1	79.7	88.3	88.9	92.2	93.8	94.3	95.3	95.6	95.7	95.8	95.9	95.9	96.1
≥ 700		69.6	75.2	79.8	88.5	89.2	92.6	94.2	94.8	95.9	96.1	96.2	96.3	96.4	96.5	96.6
≥ 600		69.7	75.2	79.9	88.7	89.4	92.9	94.6	95.2	96.3	96.6	96.7	96.8	96.9	97.0	97.2
≥ 500		69.7	75.2	79.9	88.9	89.5	93.1	94.9	95.5	96.8	97.1	97.3	97.4	97.6	97.6	97.8
≥ 400		69.7	75.2	79.9	88.9	89.6	93.2	95.0	95.7	97.0	97.4	97.6	97.8	98.0	98.0	98.2
≥ 300		69.7	75.2	79.9	88.9	89.6	93.2	95.1	95.8	97.2	97.6	97.9	98.1	98.3	98.4	98.7
≥ 200		69.7	75.2	79.9	88.9	89.6	93.2	95.1	95.8	97.3	97.7	97.9	98.2	98.5	98.7	99.1
≥ 100		69.7	75.2	79.9	88.9	89.6	93.2	95.2	95.8	97.3	97.7	98.0	98.2	98.6	98.8	99.7
≥ 0		69.7	75.2	79.9	88.9	89.6	93.2	95.2	95.8	97.3	97.7	98.0	98.2	98.6	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 67639



U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

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

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

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

Continued on Reverse

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

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

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

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (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

34046 HEIDELBERG AAF DL 51-81
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
≥ 100						.1	.2						.0
≥ 95						.6	2.4	1.0					.3
≥ 90					.5	2.2	8.4	4.4	.2				1.3
≥ 85				.6	2.4	8.9	19.6	14.0	2.9				4.1
≥ 80				1.6	10.0	26.1	35.6	30.4	10.8	.6			9.7
≥ 75			.2	6.1	23.4	45.0	54.5	52.8	28.7	2.5			18.0
≥ 70		1.6	15.0	39.2	64.1	75.6	74.3	49.2	9.9	.1			27.7
≥ 65	.4	7.9	28.3	59.9	83.6	92.0	92.9	71.1	22.8	.4			38.6
≥ 60	2.1	17.0	45.3	80.6	95.1	99.0	99.4	91.1	44.7	4.4	.5		48.7
≥ 55	6.8	33.0	65.0	93.9	99.3	100.0	100.0	98.8	69.1	15.5	3.3		57.5
≥ 50	17.9	55.8	85.6	98.9	99.9			100.0	88.1	37.5	13.7		67.3
≥ 45	40.1	76.2	96.6	99.9	100.0				97.4	61.1	30.1		77.1
≥ 40	60.3	90.2	99.9	100.0					99.9	84.0	52.4		85.9
≥ 35	82.3	98.0	100.0						100.0	95.2	77.0		93.4
≥ 30	94.2	99.6								100.0	92.4		97.8
≥ 25	97.3	100.0									97.8		99.2
≥ 20	99.1										99.5		99.8
≥ 15	99.8										100.0		100.0
≥ 10	99.9												100.0
≥ 5	100.0												100.0
MEAN	38.2	42.0	50.9	59.2	67.5	73.2	76.4	75.4	69.6	58.7	46.9	40.3	58.2
S.D.	7.787	8.488	8.701	9.278	8.749	8.486	8.819	7.793	7.676	7.836	7.239	7.745	15.958
TOTAL OBS.	930	848	899	881	930	900	930	930	900	930	891	919	10888

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

34046 HEIDELBERG AAF DL 51-81
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
≥ 85							.5						.0
≥ 80						.7	3.9	1.0					.5
≥ 75					.9	4.7	14.3	8.6	.6				2.5
≥ 70				.6	5.7	21.9	34.2	29.0	7.2	.2			8.4
≥ 65				2.8	18.4	47.3	60.0	59.5	27.0	2.3			18.3
≥ 60			.4	11.0	40.4	75.9	89.2	89.4	57.4	12.4	.3		31.7
≥ 55		.8	5.2	30.3	70.2	93.3	99.6	99.7	85.0	31.4	2.4	.4	43.6
≥ 50	.8	4.8	21.1	54.0	91.6	99.3	100.0	100.0	97.9	61.0	14.1	3.4	54.4
≥ 45	8.1	15.3	45.5	77.6	98.5	100.0			99.9	86.2	37.8	14.5	65.6
≥ 40	26.1	37.5	70.5	95.5	100.0				100.0	97.8	66.9	34.5	77.6
≥ 35	52.8	66.3	89.9	99.7						99.9	88.2	62.0	88.3
≥ 30	74.9	84.9	97.6	100.0						100.0	97.5	82.5	94.8
≥ 25	87.3	92.0	99.6								99.8	92.2	97.6
≥ 20	94.6	95.0	100.0								100.0	98.0	99.0
≥ 15	98.0	97.5										99.6	99.6
≥ 10	99.8	99.4										100.0	99.9
≥ 5	100.0	99.8											100.0
≥ 0		100.0											100.0
MEAN	34.2	36.7	43.6	50.7	58.3	64.2	67.1	66.4	60.8	51.6	42.3	36.3	51.0
S.D.	8.053	8.497	6.971	7.096	6.618	6.228	6.492	5.634	5.894	6.409	6.465	7.662	13.617
TOTAL OBS.	930	848	899	880	930	900	930	930	900	930	891	919	10887

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* 79	85	83	91	91	87	67	62	50	
52	50	51	64	80	82	93	100	96	72	64	55	51	100
53	48	59	74	80	91	85	86	88	90	72	60	63	91
54	54	49	66	69	84	91	83	91	87	73	62	57	91
55	54	51	71	85	83	85	92	85	80	64	60	53	92
56	53	39	66	68	87	78	86	84	78	78	54	58	87
57	53	64	67	76	79	91	99	83	81	69	63	52	99
58	54	64	67	69	82	87	89	89	85	72	55	55	89
59	58	51	70	80	82	87	98	89	86	74	56	56	98
60	58	67	70	75	82	90	85	86	78	73	63	55	90
61	53	66	72	80	78	88	91	89	87	76	55	62	91
62	53	50	58	82	79	86	91	96	88	80	61	53	96
63	41	48	59	73	81	85	92	95	81	69	66	45	95
64	39	59	61	78	85	90	98	95	86	70	58	52	98
65	53	42	66	73	84	90	90	86	79	72	63	60	90
66	56	61	57	73	84	89	85	94	85	82	54	56	94
67	56	59	61	72	87	93	93	92	83	75	56	53	93
68	49	57	77	88	81	85	92	83	80	72*	72*	49	92
69	50	54	58	76	90	86	94	90	83	74	63	40	94
70	47	52	58	77	77	88	88	92	85	77	65	52	92
71	52	49	58	81	86	81	97	97	83	74	61	54	97
72	54	56	70	76	77	88	94	89	78	69	64	51	94
73	44	48	69	73	84	91	91	91	91	73	59	50	91
74	55	62	71	75	80	84	87	96	82	55	64	59	96
75	55	59	62	77	82	87	93	93	86	69	60	50	93
76	51	60	66	77	87	100	98	86	78	77	57	48	100
77	53	57	71	73	82	91	91	86	80	78	64	57	91
78	46	64	66	71	80	87	91	87	78	75*	51	55	91
79	41	51	59	73	93	91	87	87	86	82	59	61	93
80	50	55	63	75	77	88	88	91	82	66*	61	54	91
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

34046 HEIDELBERG AAF DL 51-81
STATION STATION NAME 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
≥ 75							.1						.0
≥ 70						.1	1.7						.2
≥ 65					.3	2.6	10.1	5.1	.2				1.6
≥ 60				.1	2.9	18.6	33.7	31.0	8.9	.6			8.1
≥ 55				1.2	17.5	53.4	71.8	68.1	33.8	7.1	.3		21.4
≥ 50		.6	1.8	13.3	45.3	82.3	93.1	93.8	65.2	22.3	2.4	.9	35.5
≥ 45	1.2	3.8	10.0	33.7	74.6	96.8	99.0	98.5	89.0	44.5	13.1	4.9	47.8
≥ 40	9.7	13.8	30.4	61.4	93.5	99.7	100.0	100.0	97.1	74.1	36.9	16.4	61.4
≥ 35	30.6	34.1	58.4	86.1	98.7	100.0			99.8	91.4	64.1	37.9	75.3
≥ 33	41.5	46.2	67.4	92.6	99.6				99.9	95.7	75.6	49.7	80.9
≥ 30	61.1	66.5	82.2	97.4	100.0				100.0	98.8	89.3	68.7	88.8
≥ 25	76.7	82.9	95.2	99.7						100.0	97.6	83.0	94.6
≥ 20	85.4	90.2	98.8	100.0							99.4	91.2	97.1
≥ 15	92.8	93.9	99.8								99.9	96.7	98.6
≥ 10	96.5	95.5	100.0								100.0	99.1	99.3
≥ 5	98.8	97.3										99.7	99.7
≥ 0	100.0	99.2										100.0	99.9
≥ -5		99.9											100.0
≥ -10		100.0											100.0
MEAN	29.6	30.8	35.7	41.7	48.6	54.6	57.4	56.8	51.5	43.9	37.2	31.9	43.3
S.D.	8.876	9.328	6.814	6.506	6.103	5.467	5.448	5.025	5.833	6.705	6.459	8.186	12.043
TOTAL OBS.	930	848	899	880	930	900	930	930	900	930	891	919	10887

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34046 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	48	52											
MEAN	50.9	55.2	65.4	76.0	83.0	87.9	91.3	89.9	82.8	72.4	60.0	53.9	93.7
S. D.	4.913	6.930	5.539	4.694	4.064	4.110	4.528	4.122	4.284	5.720	3.664	4.977	3.498
TOTAL OBS	930	848	899	881	930	900	930	930	900	930	891	919	10888

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 51-81 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				* 35	33	47	40	44	36	30	32	23	
52	24	11	25	29	39	45	47	47	40	29	24	16	11
53	6	-5	24	37	31	41	50	46	38	28	27	26	-5
54	6	7	29	30	40	46	46	50	37	36	25	28	6
55	20	7	21	28	33	42	52	47	37	26	22	22	7
56	7	-6	25	23	36	41	52	43	43	32	19	16	-6
57	11	28	28	30	34	44	51	44	39	30	29	23	11
58	16	23	20	25	40	46	50	50	46	32	34	19	16
59	16	17	28	29	37	43	53	43	37	31	27	26	16
60	0	18	30	31	30	46	45	50	34	36	28	26	0
61	19	31	29	41	38	44	44	49	42	32	21	13	13
62	18	16	17	35	32	37	42	44	40	31	21	7	7
63	1	0	14	29	34	48	53	45	41	29	32	9	0
64	12	23	23	29	41	44	44	43	39	29	31	15	12
65	27	16	14	34	37	46	48	46	41	29	23	28	14
66	5	30	28	33	39	44	48	46	42	31	27	30	5
67	13	25	30	29	38	42	48	50	43	33	25	13	13
68	0	24	26	30	35	46	48	46	44	35*	28*	16	0
69	14	8	24	30	37	43	48	48	41	39	24	7	7
70	19	15	15	30	35	48	44	49	40	32	28	11	11
71	2	16	16	31	43	45	43	49	32	34	25	25	2
72	16	11	29	31	40	43	45	44	35	26	24	15	11
73	15	24	23	28	35	46	50	46	39	28	10	0	0
74	30	30	26	33	39	44	48	51	39	32	26	28	26
75	28	26	26	30	39	35	50	53	50	35	17	10	10
76	3	23	19	28	35	46	48	48	42	33	30	8	3
77	26	26	24	23	37	46	42	50	41	39	21	21	21
78	26	3	30	28	39	41	46	41	41	32*	23	15	3
79	5	23	28	33	32	46	46	42	37	36	28	28	5
80	14	25	28*	34	34	50	45	43	45	32*	23	12	12
MEAN													
S. D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

34046 HEIDELBERG AAF DL 51-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
81	18	21											
MEAN	13.9	17.2	24.1	30.3	36.4	44.2	47.2	46.6	40.0	31.9	25.2	17.9	8.3
S.D.	8.942	10.273	5.080	3.768	3.223	3.119	3.408	3.081	3.700	3.325	5.129	8.111	7.493
TOTAL OBS	930	848	899	880	930	900	930	930	900	930	891	919	10887

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC

3[illegible]46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — 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.	Dry B
[illegible]2/ 51	.1	.6																7	
[illegible]/ 49	.3	.3	.5															11	
[illegible]/ 47		.9	.9	.1														16	
[illegible]/ 45	.4	1.9	.3															25	
[illegible]4/ 43	.5	4.0	.5															47	
[illegible]2/ 41	2.2	8.0	1.2	.2														107	1
[illegible]/ 39	1.7	6.8	1.1															89	
[illegible]/ 37	4.1	6.4	.9															104	1
[illegible]/ 35	5.4	6.3	.5															113	1
34/ 33	6.4	5.0	.3															108	1
[illegible]2/ 31	4.1	4.0	.4															79	
30/ 29	3.6	2.9	.1															61	
[illegible]/ 27	1.9	2.0																37	
[illegible]/ 25	.9	2.2																26	
[illegible]/ 23	2.6	1.6																39	
[illegible]2/ 21	.9	.2																10	
[illegible]/ 19	1.2	.5																16	
[illegible]/ 17	.3	.2																7	
16/ 15	.1	.1																2	
[illegible]4/ 13	.4	.2																6	
1 / 11	.4	.1																5	
[illegible]0/ 9	.4	.1																5	
[illegible]/ 7	.3																	3	
[illegible]/ 5	.2	.1																3	
[illegible]/ 1																			
[illegible]/ -1																			
TOTAL	38.6	54.4	6.7	.3														928	9

Element	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	≥
[illegible]	7683 41	84.59	9[illegible].6	8.622	928						
[illegible]	1160731	32159	34.7	7.653	928		30.2				
[illegible]	11[illegible]44[illegible]	31279	33.7	7.358	928		32.9				
[illegible]	[illegible]	29789	32.1	7.401	928	.1	42.4				

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46	HEIDELBERG AAF DL	69-70,74-81	JAN
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
≥ / 51		.5	.1															6	6		
≤ / 49	.1	.4	.2															7	7	7	3
≥ / 47	.2		.4	.1	.1													8	8	8	6
4 / 45	.3	3.5	.1	.3														40	40	11	6
≥4/ 43	.3	2.8	.1	.2														36	36	54	18
≥2/ 41	1.0	7.6	1.5	.1														101	101	66	72
4 / 39	1.1	4.9	1.5															70	70	63	53
3 / 37	4.3	5.2	.1															89	89	96	80
2 / 35	4.2	6.5	1.4															112	112	111	90
3 / 33	3.2	5.8	.4															134	134	164	130
2/ 31	4.2	3.7	.3															76	76	92	122
2 / 29	2.9	2.5	.2															52	52	53	78
3 / 27	4.7	2.3																65	65	64	88
1/ 25	.8	1.8																24	24	28	25
2 / 23	2.	1.6																34	34	32	37
2/ 21	1.8	.4																21	21	29	27
1 / 19	1.1	.8																17	17	13	24
1 / 17	.5	.5																10	10	17	17
1 / 15	.4																	4	4	4	15
1 / 13	.4																	4	4	4	11
1 / 11	.4	.2																6	6	6	13
0/ 9	.3	.3																6	6	6	4
0/ 7	.2	.1																3	3	2	2
0/ 5	.2																	2	2	3	2
0/ 3	.3																	3	3	3	7
/ 1																					2
/ -1																					1
TOTAL	41.2	51.5	6.5	.8	.1														930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7679372	84108	90.4	8.849	930							
Dry Bulb	1129398	31558	33.9	7.937	930		32.7					93
Wet Bulb	1066193	30690	33.0	7.583	930		35.6					93
Dew Point	973186	29144	31.3	8.029	930	.1	47.2					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
JAN — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 1			.2															2	2		
5 / 49	.1	.4																5	5	3	1
[illegible] / 47	.1	.9	.2															11	11	6	3
[illegible] / 45	.4	2.7	.2															31	31	13	9
[illegible] / 43	1.2	1.7	.4	.2														33	33	49	23
[illegible] / 41	1.4	8.[illegible]	1.3	.2														101	101	58	57
[illegible] / 39	1.3	5.3	.9															69	69	55	53
[illegible] / 37	4.1	5.5	.3															92	92	100	84
[illegible] / 35	4.6	7.1	1.6															124	124	115	107
[illegible] / 33	6.5	5.3	.3															112	112	146	108
[illegible] / 31	6.6	3.2	.3															94	94	121	127
[illegible] / 29	2.5	2.7	.1															49	49	47	63
[illegible] / 27	4.1	2.8																64	65	61	78
[illegible] / 25	1.[illegible]	1.9																27	27	29	32
[illegible] / 23	1.3	1.3																24	24	23	35
2 / 21	2.2	.5																25	25	32	38
[illegible] / 19	1.3	.3																15	15	17	15
[illegible] / 17	.1	.3																15	15	18	23
10 / 15	.6	.1																7	7	6	22
[illegible] / 13	1.[illegible]	.4																13	13	12	17
1 / 11		.1																1	1	3	5
/ [illegible]		.6																6	6	1	2
[illegible] / 7	.3	.2																5	5	8	[illegible]
[illegible] / 5	.3																	3	3	5	5
[illegible] / 3	.1																	1	1	1	7
[illegible] / 1																					2
/ [illegible]																					3
TOTAL	42.	151.7	5.9	.4															930		929
																		929		929	

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.	7694937	84139	90.6	8.961	929							
Dry Bulb	11[illegible]5674	31200	33.5	7.967	930		35.0					93
Wet Bulb	1 45077	30331	32.6	7.684	929		38.4					93
Dew Point	956032	28798	31.[illegible]	8.261	929	.3	48.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34946 STATION | HEIDELBERG AAF DL STATION NAME | 69-72,74-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
52/ 51	.2	.1	.2															5	5	2	2
50/ 49	.1	.1	.1	.1														4	4	3	1
48/ 47	.3	.8	.5	.3	.2													20	20	7	5
46/ 45	.6	3.3	.4	.2		.1												44	44	23	11
44/ 43	1.2	3.3	1.7	.4	.1													63	63	57	25
42/ 41	1.2	6.9	1.8	.1														93	93	66	63
40/ 39	1.7	6.2	1.3															83	83	74	58
38/ 37	2.6	8.5	1.1															113	113	99	80
36/ 35	3.5	5.8	1.2															98	98	134	121
34/ 33	5.1	5.5	.4															102	102	136	115
32/ 31	4.3	3.8																75	75	83	125
30/ 29	2.4	3.2	.1															53	53	60	74
28/ 27	3.4	2.9	.1															60	60	55	77
26/ 25	.7	1.4																21	21	22	30
24/ 23	1.8	1.6																32	32	31	30
22/ 21	1.2	.9																19	19	27	20
20/ 19	.5	.4																9	9	11	31
18/ 17	.6	.5																11	11	15	17
16/ 15	.2	.1																3	3	3	12
14/ 13	.1	.6																7	7	5	8
12/ 11		.1																1	1	3	4
10/ 9	.4	.4																8	8	7	6
8/ 7	.1																	1	1	2	1
6/ 5	.4	.1																5	5	4	6
4/ 3																				1	4
2/ 1																					1
0/ -1																					1
-2/ -3																					1
TOTAL	33.0	56.7	8.7	1.2	.3	.1												930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7435433	82703	88.9	9.327	930							
Dry Bulb	1182012	32336	34.8	7.880	930		30.5					93
Wet Bulb	1103884	31274	33.6	7.496	930		32.9					93
Dew Point	996146	29508	31.7	8.029	930	.2	45.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
JAN — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5 / 55					.1													1	1		
4/ 53		.2	1.1	.1	.2													15	15		
2/ 5	.2		.6	.6	.1													15	15	4	4
5 / 44	.2	.4	.8	.3	.2													18	18	13	2
/ 47	.1	1.9	1.9	.2														39	39	14	6
/ 45	.6	3.8	1.9	.8	.2	.1												69	69	61	18
4/ 43	.4	3.9	3.1	1.7														85	85	68	34
2/ 41	1.1	8.7	3.1															120	120	64	81
/ 39	1.5	6.5	2.6	.1														99	99	119	76
/ 37	2.4	5.6	1.9	.4														96	96	119	108
/ 35	1.0	5.5	1.6															75	75	88	87
3 / 33	3.7	4.4	.8	.1														83	83	124	105
/ 31	1.5	3.6	.2	.1														50	50	75	101
0/ 29	.7	2.9	.5															57	57	55	88
/ 27	1.7	3.8	.1															52	52	39	79
/ 25	.3	1.	.2															16	16	36	23
/ 23	.1	1.6																16	17	15	35
2/ 21	.1	.4																5	5	15	25
/ 1		.3																3	3	3	18
/ 17	.2	.6																8	8	7	11
1 / 15	.3	.1																4	4	8	7
/ 13																					15
1 / 11																					3
/ 9																			2		4
/ 7	.1																	1	1	1	3
TOTAL	19.3	55.6	20.6	4.5	.9	.1													930		927
																		927		927	

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.	6641230	77796	83.9	11.018	927							
Dry Bulb	1368561	35105	37.6	7.408	930		21.5					93
Wet Bulb	1235717	33265	35.9	6.736	927		25.5					93
Dew Point	1064124	30678	33.1	7.265	927		40.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
JAN — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55		.1		.3														4	4		
4/ 53		.2	.6	.1	.4													13	13	1	
2/ 51		.3	.6	.6														15	15	2	2
/ 49	.4	.5	.5	.3														17	17	17	5
/ 47	.2	.9	2.8	.4														40	40	13	9
/ 45	1.2	4.5	1.7	.8														76	76	67	25
4/ 43	.8	3.8	3.9	1.3														87	87	65	32
2/ 41	.6	8.7	3.6	.1														121	121	77	86
/ 39	.8	6.7	1.5	.3														86	86	113	61
/ 37	1.8	5.3	2.4	.2														87	87	108	102
/ 35	1.8	6.1	1.7															90	90	86	106
/ 33	3.1	5.4	.4	.1														83	83	145	105
2/ 31	2.2	4.3	.6															63	63	60	108
/ 29	2.3	2.7	.4															50	50	60	82
/ 27	1.4	2.7	.3															41	41	40	71
/ 25	.8	1.4	.2															22	22	24	47
/ 23	.2	1.3	.2															13	13	21	29
/ 21	.3	.2																5	5	12	15
/ 19	.2	.4																6	6	4	16
/ 17	.3	.4																7	7	8	10
19/ 15		.1																1	1	4	9
4/ 13																					5
1 / 11																					4
/ 9	.1	.1																2	3	2	4
/ 7																					2
/ 1																					1
TOTAL	18.4	55.2	21.6	4.3	.4													929	930	929	929

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.	6712236	78338	84.3	10.707	929							
Dry Bulb	1380296	35176	37.8	7.322	930		21.1					93
Wet Bulb	1250377	33505	36.1	6.727	929		23.5					93
Dew Point	1083356	30996	33.4	7.280	929		39.6					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

34[illegible]46 STATION | HEIDELBERG AAF DL STATION NAME | 69-70,74-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
5[illegible]/ 55				.2														2	2		
[illegible]4/ 53		.1	.3	.1														5	5		
[illegible]2/ 51		.1																1	1	1	
5 / 49	.5	.4	.5	.1														15	15	13	6
[illegible]/ 47	.1	1.0	.6															16	16	8	7
4[illegible]/ 45	.3	3.1	1.2	.1														44	44	25	12
44/ 43	.9	4.2	1.2															58	58	64	25
[illegible]2/ 41	2.6	10.8	3.2															145	145	88	78
4 / 39	1.3	8.2	1.7															104	104	79	90
[illegible] / 37	2.4	5.2	1.5	.1														85	85	120	94
[illegible]/ 35	2.5	5.4	.5															78	78	95	101
3[illegible]/ 33	5.5	6.8	.6															120	120	146	103
[illegible]2/ 31	2.7	3.8																60	60	83	103
[illegible] / 29	3.8	2.8	.2															54	54	52	100
[illegible]/ 27	3.7	2.2																45	45	46	69
[illegible]/ 25	1.4	1.2	.5															29	29	25	30
[illegible]/ 23	1.5	1.6	.1															30	30	32	31
[illegible]2/ 21	.2	.4																12	12	22	21
[illegible] / 19	1.[illegible]	.3																12	12	13	23
[illegible]/ 17	.3	.4																7	7	10	17
1[illegible]/ 15		.1																1	1	1	2
[illegible]4/ 13																					7
1[illegible]/ 11	.3	.1																4	4	4	9
[illegible] / 9	.2	.1																3	3	2	3
[illegible]/ 7																				1	2
[illegible]/ 5																					1
[illegible] / -1																					1
TOTAL	28.8	58.2	12.4	.6															930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7349[illegible]	82244	88.4	9.035	930							
Dry Bulb	1251268	33434	36.0	7.285	930		25.7					93
Wet Bulb	1166353	32305	34.7	6.897	930		29.1					93
Dew Point	1047993	30471	32.8	7.309	930	.1	41.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3[illegible]46 | HEIDELBERG AAF DL | 69-70,74-81 | JAN
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5[illegible]/ 55				.1														1	1		
[illegible]4/ 53			.3															3	3		
[illegible]2/ 51	.2	.1	.1															4	4	2	2
[illegible] / 49	.2	.2	.5	.1														10	10	9	2
4[illegible]/ 47	.3	.4	1.1															17	17	4	9
4[illegible]/ 45	.4	2.[illegible]	.5															28	28	21	7
[illegible]4/ 43	1.3	3.3	.9															51	51	53	16
[illegible]2/ 41	2.3	9.5	1.9															127	127	72	79
[illegible] / 39	3.3	6.7	1.2															104	104	98	92
3[illegible]/ 37	3.5	7.3	.6															107	107	110	80
3[illegible]/ 35	2.[illegible]	3.9	.6															61	61	109	96
3[illegible]/ 33	5.3	8.[illegible]	.6															129	129	127	112
[illegible]2/ 31	4.9	5.2	.1															95	95	106	124
[illegible]/ 29	1.9	2.[illegible]	.3															40	40	58	83
2[illegible]/ 27	2.4	2.6	.3															49	49	44	64
[illegible]/ 25	1.[illegible]	1.2																20	20	20	35
24/ 23	2.3	1.3																33	33	37	37
[illegible]2/ 21	1.4																	13	13	22	16
[illegible] / 19	1.4	.3																16	16	13	27
1[illegible]/ 17	.4	.3																7	7	10	17
1[illegible]/ 15	.1	.2																3	3	3	10
1[illegible]/ 13	.1	.1																2	2	2	5
1[illegible]/ 11	.5																	5	5	5	8
[illegible] / 9	.1	.1																2	2	1	4
8/ 7	.2																	2	2	3	1
6/ 5	.1																	1	1	1	3
4/ 3																					1
TOTAL	35.8	54.7	9.2	.2															930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7551051	83399	89.7	8.812	930							
Dry Bulb	1204977	32765	35.2	7.382	930		28.8					93
Wet Bulb	1132082	31784	34.2	7.023	930		32.5					93
Dew Point	1027739	30139	32.4	7.410	930		43.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF OL — STATION NAME
69-70,74-81 — YEARS
JAN — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
5[illegible]/ 55		.0		.1	.0													8	8		
[illegible]4/ 53		.1	.3	.0	.1													36	36	1	
[illegible]2/ 51	.1	.2	.2	.2	.0													55	55	14	11
5[illegible]/ 49	.3	.4	.4	.1	.0													87	87	73	28
[illegible]/ 47	.2	.8	1.0	.1	.0													167	167	63	47
4[illegible]/ 45	.6	3.1	.8	.3	.	.0												357	357	245	96
[illegible]4/ 43	.9	3.4	1.5	.4	.0													460	460	448	187
[illegible]2/ 41	1.5	8.5	2.2	.1														915	915	561	585
4[illegible]/ 39	1.6	6.4	1.4	.1														704	704	674	554
3[illegible]/ 37	3.1	6.1	1.1	.1														773	773	872	720
[illegible]6/ 35	3.1	5.8	1.2															751	751	852	824
3[illegible]/ 33	5.4	5.8	.5	.														871	871	1128	892
[illegible]2/ 31	3.8	3.9	.3	.														592	592	710	915
[illegible]/ 29	2.6	2.7	.3															416	416	451	676
[illegible]8/ 27	2.8	2.7	.1															413	414	388	584
2[illegible]/ 25	.9	1.5	.1															187	187	207	238
24/ 23	1.5	1.5	.0															221	222	234	280
[illegible]2/ 21	1.1	.4																110	110	177	175
[illegible]/ 19	.8	.4																94	94	87	172
[illegible]/ 17	.5	.5																72	72	97	137
1[illegible]/ 15	.2	.1																25	25	30	86
14/ 13	.3	.2																32	32	29	69
1[illegible]/ 11	.2	.1																22	22	27	47
[illegible]/ 9	.2	.2																32	35	23	35
[illegible]/ 7	.2	.																15	15	21	17
[illegible]/ 5	.2	.0																14	14	16	23
4/ 3	.1																	4	4	5	19
2/ 1																					8
0/ -1																					7
-2/ -3																					1
TOTAL	32.0	54.7	11.4	1.5	.2	.0												7433	7438	7433	7433

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.	58746330	656786	88.4	9.789	7433							
Dry Bulb	9790917	263633	35.4	7.750	7438		225.5					744
Wet Bulb	9104088	254432	34.2	7.289	7433		250.4					744
Dew Point	8161227	239523	32.2	7.719	7433	.8	349.2					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
FEB — MONTH

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
5 / 55						.1												1	1		
4/ 53					.2													2	2		
2/ 51			.2	.1														3	3		
5 / 49		.7	.7	.5														16	16	1	
1/ 47	.5	.8	1.2															21	21	17	7
4/ 45	.8	3.1	1.7	.2														48	48	31	13
4/ 43	1.3	4.3	.6	.1														51	51	49	32
2/ 41	3.1	5.0	1.4															79	79	79	70
4 / 39	4.3	4.1	2.3	.5														90	90	73	82
3/ 37	2.8	4.7	1.7	.6	.1													84	84	77	71
1/ 35	2.1	6.1	2.2		.2													91	91	70	69
3/ 33	3.4	6.3	1.5	.1														96	96	123	62
2/ 31	2.8	5.6	.8	.1														79	79	94	90
1/ 29	2.7	5.8	.6															77	77	98	78
2/ 27	3.8	2.7	.1															56	56	65	105
1/ 25	.8	.9																15	15	29	62
2/ 23	.9	.8																15	15	14	39
2/ 21	.2	.4																5	5	7	19
/ 19	.6																	5	5	7	17
1/ 17	.7																	6	6	6	13
1/ 15	.4	.1																4	4	3	11
1/ 13		.1																1	1	2	3
1 / 11	.1																	1	1	1	
/ 9																					2
/ 7																					1
TOTAL	31.1	51.2	14.8	2.2	.6	.1													846		846
																		846		846	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6564558	73932	87.4	11.075	846							
Dry Bulb	1128333	30365	35.9	6.746	846		26.2					84
Wet Bulb	1044036	29222	34.5	6.405	846		32.4					84
Dew Point	926445	27345	32.3	7.099	846		43.7					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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
FEB — MONTH

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] 53				.1	.1													2	2		
[illegible] 51				.4														3	3		
[illegible] 49		.2	.7		.1													9	9		
[illegible] 47	.1	1.3	.2	.2														16	16	6	1
[illegible] 45	1.2	2.2	.8	.1														37	37	38	22
[illegible] 43	2.[illegible]	3.3	.7	.1														52	52	42	31
[illegible] 41	2.8	4.8	.9															73	73	67	59
[illegible] 39	4.4	4.[illegible]	.6	.1														77	77	72	73
[illegible] 37	3.8	4.[illegible]	2.0	.1														84	84	74	73
[illegible] 35	1.5	5.1	2.[illegible]	.4	.4													79	79	53	58
34/ 33	3.5	5.4	1.3	.4														90	90	120	54
[illegible] 31	[illegible].3	5.4	.2															76	76	92	6[illegible]
[illegible] 29	2.6	5.4	.8															75	75	80	77
[illegible]8/ 27	7.6	3.4	.1															94	94	100	111
[illegible] 25	[illegible].4	1.5																33	33	49	85
24/ 23	1.4	.5																16	16	22	45
[illegible] 21	.7	.5																10	10	8	27
[illegible] 19	.6	.1																6	6	9	14
[illegible] 17	.2																	2	2	2	9
16/ 15	.4	.4																6	6	5	9
14/ 13	.1																	1	1	2	9
12/ 11	.2																	2	2	2	5
[illegible] 9	.1																	1	1	1	2
8/ 7	.2																	2	2	2	2
TOTAL	39.2	47.8	12.5	1.9	.6													846	846		846

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.	6787958	75188	88.9	11.181	846							
Dry Bulb	1,64119	29411	34.8	7.021	846		32.2					84
Wet Bulb	993673	28433	33.6	6.713	846		37.1					84
Dew Point	892372	26758	31.6	7.382	846		47.2					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
FEB — MONTH
PAGE 1
0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
52/ 51			.2															2	2		
50/ 49		.4	.1															4	4	2	
48/ 47	.5	.4	.7	.1														14	14	7	4
46/ 45	1.8	3.3	1.2	.4														56	56	33	23
44/ 43	.9	2.8	.5	.2														38	38	44	24
42/ 41	3.9	5.0	.8															82	82	73	69
40/ 39	2.6	3.8	1.1	.4														66	66	52	65
38/ 37	3.1	4.7	1.1															75	75	67	60
36/ 35	2.8	3.8	1.7															70	70	77	52
34/ 33	3.8	5.2	2.2	.4														98	98	102	70
32/ 31	4.6	4.3	.7	.4														84	84	100	92
30/ 29	2.5	4.6	.6															65	65	71	61
28/ 27	7.1	4.1	.4															97	97	97	114
26/ 25	3.4	1.1																38	38	59	68
24/ 23	2.8	.6																29	29	32	65
22/ 21	.7	.1																7	7	8	33
20/ 19	.7	.7																12	12	9	13
18/ 17	.1	.1																2	2	6	9
16/ 15		.1																1	1		7
14/ 13																				1	8
12/ 11	.1																	1	1	1	2
10/ 9	.1																	1	1	1	3
8/ 7	.1																	1	1	1	1
6/ 5	.2																	2	2	2	2
4/ 3	.1																	1	1	1	1
TOTAL	42.1	44.9	11.2	1.8															846		846
																		846		846	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6859600	75638	89.4	10.718	846							
Dry Bulb	1045989	29135	34.4	7.102	846		33.9					84
Wet Bulb	982133	28237	33.4	6.851	846		38.6					84
Dew Point	886105	26635	31.5	7.501	846		47.6					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3[illegible] 46 STATION | HEIDELBERG AAF DL STATION NAME | 69-70,74-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi
5[illegible]/ 55						.1												1	1		
4/ 53	.1			.1														2	2	1	1
2/ 51	.1	.1	.2	.2	.1													7	7	1	1
5 / 49	.2	.1	.2	.5	.1													10	10	4	2
[illegible]/ 47	.2	2.7	1.2	.1														36	36	11	3
4 / 45	.4	3.9	2.0	.4	.2													58	58	37	15
4/ 43	.7	3.8	2.1	.5		.1												61	61	66	52
2/ 41	2.5	4.7	2.4	.4	.2													86	86	72	76
4 / 39	1.9	5.8	1.3	.9	.4													87	87	65	65
7 / 37	2.	4.5	1.9	1.1	.2													82	82	92	66
[illegible]/ 35	3.1	5.8	3.2	.4														105	105	83	78
34/ 33	3.3	5.3	1.8	.4														92	92	127	72
[illegible]2/ 31	3.9	3.7	.4	.1														68	68	106	107
3 / 29	1.9	4.1	.2															53	53	69	68
[illegible]/ 27	3.8	2.4	.2															54	54	60	95
[illegible] / 25	.9	.9																16	16	24	64
24/ 23	.8	.6																12	12	13	47
2/ 21	.1	.2																3	3	5	16
[illegible] / 19	.2																	2	2	4	12
[illegible]/ 17	.1	.4																4	4	3	11
1[illegible]/ 15	.1																	1	1	2	5
[illegible]/ 13	.1	.1																2	2	1	6
1 / 11	.4																	3	3	4	4
[illegible] / 9	.1																	1	1	1	3
[illegible]/ 7																					1
TOTAL	27.5	48.8	17.1	5.0	1.3	.2													846		846
																		846		846	

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.	629683	72223	85.4	12.466	846							
Dry Bulb	1178687	31051	36.7	6.795	846		21.7					8[illegible]
Wet Bulb	1[illegible]742[illegible]4	29664	35.1	6.350	846		29.[illegible]					8
Dew Point	933489	27459	32.5	7.[illegible]70	846		43.2					8

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
FEB — MONTH

12[illegible]-14 — HOURS (L. S.

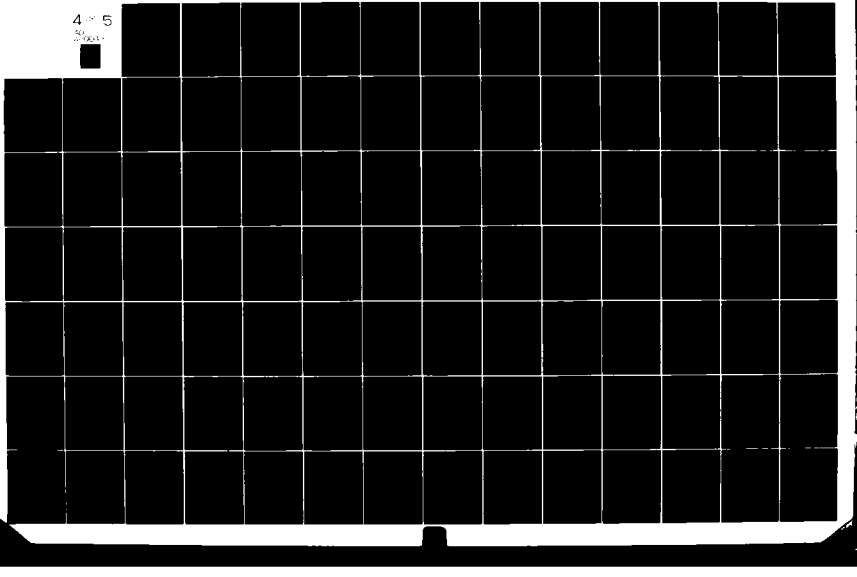
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew
4/ 63						.1												1	1		
2/ 61						.1		.1										2	2		
/ 59					.2		.2											4	4		
/ 57				.1	.1		.1											3	3		
5 / 55		.1		.4	.1													5	5		
4/ 53	.2		.2	.7	1.1	.4		.1										23	23	4	
2/ 51	.1	.2	.5	.9	.1	.1												17	17	6	
/ 49	.2	.7	1.8	1.5	1.1	.2	.1											48	48	15	
/ 47	.4	1.3	3.1	1.5	.4	.1	.1											57	57	24	
4 / 45	.5	4.5	3.2	2.5	.8	.2	.2											101	101	38	
4/ 43	.2	1.7	2.3	1.2	.9													50	50	64	
2/ 41	1.5	4.1	4.6	1.8	1.2													112	112	89	
/ 39	.2	4.1	2.1	1.5	.1													85	85	86	
3 / 37	1.2	4.8	3.9	.7														90	90	92	
/ 35	.9	4.8	3.4	.4														81	61	90	
34/ 33	1.5	4.1	1.2															57	57	131	
2/ 31	1.5	3.3	.4															41	41	83	
/ 29	.9	2.2	.7	.1														34	34	34	
28/ 27	1.2	1.1	.1															20	20	32	
26/ 25	.4	.4																6	6	8	
24/ 23	.1	.2																3	3	4	
2/ 21		.1																1	1	1	
/ 19	.1																	1	1	2	
18/ 17	.1	.2																3	3	2	
16/ 15	.1																	1	1	2	
14/ 13																					
12/ 11																					
TOTAL	13.6	37.6	27.1	13.4	6.0	1.3	.8	.2											846		
																		846		846	

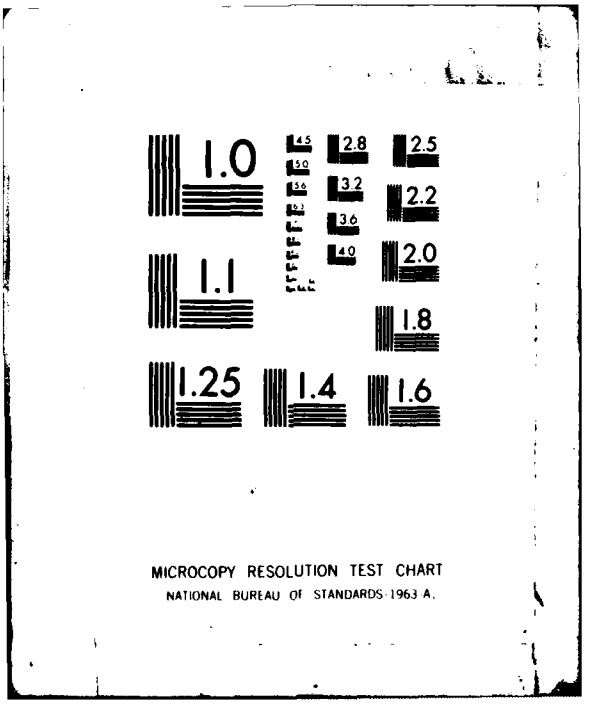
Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obr	Mean No. of Hours with Temperature						Tem
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5301272	65746	77.7	15.069	846							
Dry Bulb	1423384	34176	40.4	7.089	846		10.9					
Wet Bulb	1222816	31752	37.5	6.767	846		16.4					
Dew Point	985647	28299	33.5	6.797	846		38.1					

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

AD-A110 049 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
OCT 81

UNCLASSIFIED USAFETAC/DS-81/090 SBI-AD-E850 110 NL

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

				.1	.1												2	2
			.1	.1													2	2
			.2	.5	.1												7	7
	.1		.5														5	5
.1	.5	.2	1.1	.2			.2										20	20
	.4	.6	1.2	.6	.2												25	25
.4	1.2	1.4	.8	.6													38	38
1.2	2.1	1.2	.5	.1													43	43
.9	3.1	2.1	.7	.1													60	60
3.5	3.2	3.2	.8	.8	.4												104	104
1.3	2.0	1.4	.5														50	50
3.4	3.3	1.9	.6														84	84
4.8	3.3	1.8	.5														100	100
4.7	4.8	.8															100	100
3.2	3.0	.1															58	58
5.4	1.1																59	59
2.8	.6																37	37
2.2	.5																29	29
1.2																	15	15
.2																	2	2
.4																	3	3
																	1	1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
69-70,74-81 — YEARS
FEB — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 59						.4												3	3		
[illegible] / 57					.2	.1												3	3		
56 / 55				.1														1	1		
[illegible] / 53			.1	.4														4	4		
[illegible] / 51		.7	.5	.7		.1												17	17		
[illegible] / 49	.1	.5	1.2	1.1	.1													25	25	16	1
[illegible] / 47	.1	1.5	2.2	.6	.2													40	40	18	7
[illegible] / 45	.7	4.3	2.1	.8	.1	.2												70	70	54	27
[illegible] / 43	.9	3.7	2.2	.5	.7													68	68	68	24
[illegible] / 41	2.2	6.3	3.1	1.9	.5													118	118	77	96
[illegible] / 39	1.3	4.3	4.6	.8	.1													94	94	75	69
[illegible] / 37	1.3	5.6	2.4	.5														82	82	80	81
[illegible] / 35	1.3	5.9	3.5	.1														92	92	119	54
[illegible] / 33	2.2	4.5	1.4	.1														70	70	125	72
[illegible] / 31	1.2	4.5	.5															52	52	80	90
[illegible] / 29	1.1	4.3	.4															48	48	53	73
[illegible] / 27	2.4	1.3																31	31	43	132
[illegible] / 25	.5	.9																12	12	18	46
[illegible] / 23	.7	.4																9	9	13	38
[illegible] / 21		.1																1	1	1	20
[illegible] / 19		.5																4	4	1	8
[illegible] / 17	.2																	2	2	5	2
16 / 15																					6
TOTAL	16.3	49.1	24.2	7.6	2.0	.8													846		846
																		846		846	

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.	5619851	69353	82.0	12.615	846							
Dry Bulb	1296357	32625	38.6	6.725	846		15.8					84
Wet Bulb	1150079	30771	36.4	6.044	846		21.2					84
Dew Point	970772	28108	33.2	6.608	846		41.2					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 69-70,74-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
56/ 55					.2													2	2		
54/ 53					.1													1	1		
52/ 51		.4	.1	.5														8	8		
50/ 49		.4	.7	.2														11	11	4	1
48/ 47	.2	1.2	1.2	.6														27	27	12	5
46/ 45	.7	4.1	.8	.5	.2													54	54	43	21
44/ 43	.7	4.0	1.1	.4														52	52	53	24
42/ 41	3.3	5.9	1.9	.6	.7													105	105	69	80
40/ 39	1.8	5.2	2.6	1.2														91	91	64	63
38/ 37	3.1	5.4	2.7	.2														97	97	95	75
36/ 35	1.7	5.8	1.5	.4														79	79	92	67
34/ 33	2.8	6.4	.8															85	85	131	64
32/ 31	3.9	5.3	1.3															89	89	103	103
30/ 29	1.9	5.6	.4															66	66	73	88
28/ 27	2.4	2.6	.4															45	45	55	113
26/ 25	.8	.5																11	11	27	49
24/ 23	.9	.2																10	10	10	46
22/ 21	.1	.1																2	2	4	24
20/ 19	.2																	2	2	2	4
18/ 17	.7	.2																8	8	7	10
16/ 15																				1	6
14/ 13	.1																	1	1	1	1
12/ 11																					2
TOTAL	25.4	53.3	15.5	4.5	1.3														846		846
																		846		846	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6313030	72392	85.6	11.840	846							
Dry Bulb	1178303	31103	36.8	6.418	846		23.2					84
Wet Bulb	1074979	29729	35.1	5.986	846		28.1					84
Dew Point	936912	27586	32.6	6.653	846		44.3					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 .46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 69-70,74-81 (YEARS) | FEB (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
64/ 63						.0	.0											3	3		
62/ 61					.0	.0		.0										4	4		
60/ 59					.1	.1	.0											14	14		
58/ 57			.0	.0	.1	.0	.0											11	11		
56/ 55		.0	.1	.1	.2	.1			.0									30	30		
54/ 53	.0		.1	.2	.3	.1	.0	.0										59	59	9	4
52/ 51	.0	.2	.4	.5	.1	.1												95	95	18	4
50/ 49	.1	.5	.9	.6	.2	.0	.0											166	166	59	13
48/ 47	.3	1.3	1.6	.7	.2	.0	.0											271	271	140	40
46/ 45	.8	3.6	1.9	1.0	.3	.2	.1											528	528	390	163
44/ 43	.9	3.1	1.4	.5	.3	.0												422	422	465	238
42/ 41	2.5	4.9	2.3	.8	.4													739	739	607	617
40/ 39	2.5	4.5	2.2	.9	.1													690	690	562	578
38/ 37	2.3	4.8	2.6	.5	.0													694	694	676	563
36/ 35	1.8	5.1	2.6	.2	.1													655	655	678	520
34/ 33	2.7	5.3	1.4	.2														647	647	979	580
32/ 31	2.8	4.3	.6	.1														526	526	729	720
30/ 29	1.8	4.3	.5	.0														447	447	505	610
28/ 27	3.6	2.3	.2															412	412	481	856
26/ 25	1.2	.8																133	133	219	483
24/ 23	1.0	.5																97	97	109	352
22/ 21	.3	.2																30	30	38	168
20/ 19	.3	.2																32	32	34	80
18/ 17	.3	.1																29	29	33	62
16/ 15	.1	.1																13	13	13	54
14/ 13	.0	.0																5	5	7	33
12/ 11	.1																	7	7	8	12
10/ 9	.0																	3	3	3	10
8/ 7	.0																	3	3	3	5
6/ 5	.1																	2	2	2	2
4/ 3	.1																	1	1	1	1
TOTAL	25.5	46.1	18.6	6.4	2.4	.7	.2	.0	.0										6768		6768
																		6768		6768	

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.	48935565	568171	83.9	13.525	6768							
Dry Bulb	9813372	252934	37.4	7.301	6768		172.8					672
Wet Bulb	8805703	240103	35.5	6.521	6768		217.0					672
Dew Point	7526141	220635	32.6	7.020	6768		342.4					672

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
58/ 57					.4													4	4		
56/ 55		.1	.3	.3	.3													10	10		
54/ 53		.8	1.3	.4	.1													24	24	3	1
52/ 51	.2	1.7	1.4	.5	.1													37	37	13	6
50/ 49	.2	2.6	1.4	1.1	.1													50	50	44	16
48/ 47	.5	3.7	3.3	1.1	.1													81	81	61	35
46/ 45	1.1	6.1	1.8	.6	.1													91	91	87	50
44/ 43	1.1	5.6	2.9	.1														90	90	92	66
42/ 41	2.5	7.0	2.7	.2	.2													117	117	97	115
40/ 39	.9	7.3	2.5	.9														107	107	94	95
38/ 37	1.1	5.3	4.7	.1	.5													109	109	103	88
36/ 35	1.7	3.1	2.9	.3														75	75	91	97
34/ 33	.5	2.6	1.3															41	41	87	71
32/ 31	1.0	1.8	.5	.1														32	32	64	64
30/ 29	.3	1.9	.5	.3														29	29	44	64
28/ 27	.4	1.0	.6	.1														20	20	19	58
26/ 25	.6	.2																8	8	20	28
24/ 23	.1	.3																4	4	7	36
22/ 21																				3	10
20/ 19																					8
18/ 17																					8
16/ 15																					3
14/ 13																					6
12/ 11																					2
10/ 9																					2
TOTAL	12.3	51.1	28.3	6.2	2.0														929		929
																		929		929	

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.	6422021	76441	82.3	11.936	929							
Dry Bulb	1613590	38228	41.1	6.608	929		9.3					93
Wet Bulb	1447530	36190	39.0	6.375	929		15.7					93
Dew Point	1251466	33372	35.9	7.533	929		28.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION | HEIDELBERG AAF DL — STATION NAME | 68-70,74-8[illegible] — YEARS | MAR — MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57					.2													2	2		
56/ 55		.1	.4	.2	.2													9	9		
54/ 53		.1	.6	.1														8	8	1	1
52/ 51	.1	.8	1.0	.1														18	18	6	1
50/ 49	.2	.9	.9	.4														22	22	26	8
48/ 47	1.2	4.6	1.5	.4														72	72	47	27
46/ 45	2.0	5.4	2.5	.4														96	96	79	64
44/ 43	2.0	5.7	1.4	.2														87	87	85	58
42/ 41	2.8	8.4	1.3															116	116	100	99
40/ 39	1.3	6.2	1.3	.1														80	80	88	79
38/ 37	3.4	5.1	4.2	.3		.1												122	122	105	106
36/ 35	1.9	5.5	2.6	.4	.2													99	99	91	91
34/ 33	1.5	2.3	1.7															51	51	101	85
32/ 31	1.1	3.9	.5	.1														51	51	61	60
30/ 29	1.3	2.4	.5															39	39	60	80
28/ 27	1.3	1.2	.5															28	28	35	62
26/ 25	.3	.9	.3															14	14	19	30
24/ 23	.2	.6																8	8	11	23
22/ 21	.2	.3																5	5	9	19
20/ 19	.3																	3	3	6	15
18/ 17																					11
16/ 15																					3
14/ 13																					1
12/ 11																					3
10/ 9																					3
8/ 7																					1
TOTAL	20.9	54.2	21.3	2.9	.6	.1												930	930		930
																		930		930	

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.	6922771	79549	85.5	11.290	930							
Dry Bulb	1485808	36642	39.4	6.733	930		14.8					93
Wet Bulb	1361218	35054	37.7	6.557	930		20.1					93
Dew Point	1207983	32771	35.2	7.568	930		31.1					93

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
58/ 57			.1		.1													2	2		
56/ 55			.2	.2														4	4		
54/ 53		.1	1.2	.2	.1													15	15	1	
52/ 51		1.3	.6															18	18	8	
50/ 49	.1	1.6	.9	.3														27	27	30	10
48/ 47	.9	2.8	1.0	.3														46	46	34	29
46/ 45	2.2	5.5	1.2	.1														83	83	68	59
44/ 43	1.6	5.3	2.4															86	86	81	46
42/ 41	4.0	9.0	2.6	.3														148	148	98	104
40/ 39	1.1	5.8	1.2															75	75	100	66
38/ 37	2.8	5.4	1.7		.2	.1												95	95	98	106
36/ 35	2.7	5.3	3.0	.3														105	105	101	95
34/ 33	2.4	3.4	1.7															70	70	85	85
32/ 31	.9	3.9	.4															48	48	82	44
30/ 29	.4	1.9	.8	.1														30	30	49	68
28/ 27	2.2	1.0																29	29	35	71
26/ 25	1.4	1.2	.3															27	27	29	42
24/ 23	.5	.4	.3															12	12	15	38
22/ 21	.1	.1																2	2	7	14
20/ 19	.3	.2																5	5	4	8
18/ 17	.1																	1	1	3	10
16/ 15	.2																	2	2	2	5
14/ 13																					3
12/ 11																					5
10/ 9																					1
8/ 7																					1
TOTAL	23.8	54.2	19.6	1.9	.4	.1												930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7063211	80443	86.5	10.635	930							
Dry Bulb	1451884	36172	38.9	6.959	930		15.6					93
Wet Bulb	1337135	34705	37.3	6.727	930		22.6					93
Dew Point	1195998	32598	35.1	7.581	930		31.0					93

FORM AM 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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAR — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6 / 67							.1											1	1		
6/ 65							.1											1	1		
4/ 63					.1	.4												5	5		
2/ 61				.1			.1											2	2		
/ 59			.1	.6	.6	.4	.1											18	18		
/ 57			.6	.3	.8													16	16		
6/ 55		.3	.8	1.3	.6	.1												26	26	4	
4/ 53		.4	1.9	.6	.9	.2												38	38	22	
2/ 51		1.9	1.4	1.6	.1													47	47	34	6
/ 49	.1	1.7	1.8	1.8	.3													54	54	52	27
3/ 47	.2	2.8	2.0	1.0														56	56	61	35
6/ 45	.6	4.7	5.9	2.2	.5													130	130	83	69
4/ 43	.2	5.2	2.5	1.1	.1	.2												86	86	89	51
2/ 41	1.3	5.8	3.7	1.0	.5	.1												115	115	108	113
/ 39	.5	5.3	4.0	.8	.3													101	101	94	100
8/ 37	.6	3.2	3.9	.4	.1													77	77	106	96
6/ 35	.8	3.3	2.7															63	63	87	88
4/ 33	.4	1.8	1.6	.3														39	39	81	54
2/ 31	1.0	1.5	.8															30	30	57	83
/ 29	.4	.9	.2															14	14	27	77
8/ 27	.2	.3																5	5	17	59
6/ 25		.1																1	1	2	20
4/ 23	.1	.2																3	3	2	28
2/ 21	.1	.1																2	2	4	7
/ 19																					12
8/ 17																					3
6/ 15																					2
TOTAL	6.7	39.7	33.9	12.8	5.1	1.5	.4												930		930
																		930		930	

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.	5819142	72578	78.0	12.917	930							
Dry Bulb	1789922	40236	43.3	7.272	930		5.5	.1				93
Wet Bulb	1547913	37465	40.3	6.449	930		10.9					93
Dew Point	1288448	33972	36.5	7.149	930		29.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION | HEIDELBERG AAF DL — STATION NAME | 68-70,74-80 — YEARS | MAR — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
76/ 75										.1								1	1		
74/ 73								.1										1	1		
72/ 71							.1	.2										3	3		
70/ 69						.1	.3	.1										5	5		
68/ 67						.1	.2											3	3		
66/ 65						1.1	.2	.2										14	14		
64/ 63				.3	1.2	.6	.2	.1										23	23		
62/ 61				.4	1.1	.5	.3	.1										23	23		
60/ 59		.1	.4	1.8	.4	1.4	.2											41	41	4	
58/ 57			.9	.9	1.9	.6												40	40	16	
56/ 55		.1	.5	1.2	2.2	.3	.1											41	41	38	2
54/ 53		.8	1.5	1.0	1.8	.4												51	51	37	1
52/ 51		.5	1.8	2.8	1.6	.4	.2											69	69	35	20
50/ 49		.9	2.3	1.8	1.6	.4	.3	.1										69	69	66	34
48/ 47	.1	1.5	3.1	2.9	1.2	.6	.1											89	89	82	49
46/ 45	.4	2.7	4.1	3.2	2.3	.2	.1											119	119	96	54
44/ 43	.2	2.9	2.3	2.9	.4	.1												82	82	105	56
42/ 41	.5	3.0	5.1	2.0	1.4	.3												115	115	99	128
40/ 39	.1	3.7	2.7	.5														65	65	102	88
38/ 37	.4	1.3	.9	1.1														34	34	120	79
36/ 35	.1	.6	1.2	.5														23	23	57	103
34/ 33	.3	.4	.4															11	11	32	74
32/ 31	.1	.3																4	4	28	64
30/ 29		.3																3	3	11	61
28/ 27	.1																	1	1	2	41
26/ 25																					23
24/ 23																					32
22/ 21																					12
20/ 19																					2
18/ 17																					4
16/ 15																					2
14/ 13																					1
TOTAL	2.5	19.1	27.1	23.4	16.9	7.4	2.5	1.0		.1								930	930	930	930

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.	4488639	63137	67.9	14.757	930							
Dry Bulb	2205393	44677	48.0	7.977	930		.8	1.3	.2			93
Wet Bulb	1769018	40108	43.1	6.503	930		4.1					93
Dew Point	1343600	34674	37.3	7.396	930		24.2					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

34 .46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAR — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
78/ 77										.1	.1							2	2		
76/ 75								.1	.2	.1								4	4		
74/ 73							.2											2	2		
72/ 71						.1	.2	.2										5	5		
70/ 69						.1	.5											6	6		
68/ 67						.2	.4	.3										9	9		
66/ 65					.3	1.3	.3	.2										20	20		
64/ 63				.3	.5	1.6	.4	.2	.1									30	30	1	
62/ 61			.2	.3	.8	.4	.8	.1										24	24	5	
60/ 59				1.0	.2	1.7	.6											33	33	7	
58/ 57			.5	.8	1.3	.6	.1											31	31	26	
56/ 55		.2	1.1	.9	1.9	.2	.4											44	44	30	4
54/ 53		.9	1.2	1.8	2.5	1.2	.6	.1										77	77	28	7
52/ 51		.2	3.2	2.3	2.2	.3	.2											78	78	51	14
50/ 49	.2	1.1	2.2	3.3	1.4	.4	.5											85	85	64	37
48/ 47		1.8	2.6	2.4	1.5	.2												79	79	94	50
46/ 45	.1	2.8	4.8	3.9	2.8	.3												137	137	116	62
44/ 43	.3	1.6	3.2	3.2	.5	.2												85	85	104	50
42/ 41	.2	2.6	3.5	1.0	.8	.6												81	81	86	105
40/ 39	.2	2.3	1.4	.6	.4													46	46	131	110
38/ 37	.2	.8	.9	.5														22	22	90	99
36/ 35	.1	.4	.8	.3														15	15	41	79
34/ 33	.2	.5	.1															8	8	24	77
32/ 31	.6	.1																7	7	28	87
30/ 29																				4	41
28/ 27																					42
26/ 25																					20
24/ 23																					20
22/ 21																					10
20/ 19																					6
18/ 17																					5
16/ 15																					4
14/ 13																					1

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.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS 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

34346 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	2.3	15.3	25.7	22.6	17.1	9.7	5.5	1.3	.3	.2	.1							930	930	930	930

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.	4197152	60794	65.4	15.495	930							
Dry Bulb	2334310	45966	49.4	8.195	930		.7	2.8	.8			93
Wet Bulb	1834637	40869	43.9	6.449	930		3.2					93
Dew Point	1360315	34885	37.5	7.464	930		23.6					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

34146 STATION | HEIDELBERG AAF GL STATION NAME | 68-70,74-8[illegible] YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]4/ 73								.1	.1									2	2		
[illegible] / 69					.1		.1											2	2		
[illegible]/ 67					.1	.1	.2											4	4		
66/ 65					.2	.4	.1	.1										8	8		
[illegible]4/ 63					.3	.4												7	7		
[illegible]2/ 61				.1	1.0	.2	.2	.1										15	15	2	
[illegible] / 59			.4	2.0	.4	.4	.1											32	32	2	
[illegible]/ 57		.1		1.1	.5	.4												22	22	8	
56/ 55		.1	.6	.8	1.[illegible]	.2												25	25	21	3
[illegible]4/ 53	.2	.9	1.2	1.[illegible]	.8	.1												38	38	29	6
[illegible]2/ 51	.1	.3	3.0	1.5	.3	.2												51	51	32	8
5[illegible] / 49	.2	2.2	2.9	2.6	.9	.3												84	84	46	32
48/ 47	.1	2.2	4.0	1.9	.5	.5	.1											87	87	86	41
46/ 45	.9	4.3	5.6	2.2	.6	.2												128	128	106	69
[illegible]4/ 43	.8	3.1	3.4	.9	1.[illegible]	.2												87	87	99	62
[illegible]2/ 41	.3	3.[illegible]	6.3	1.8	1.3	.2												121	121	100	112
4[illegible] / 39	.2	4.1	3.7	1.4	.1	.2												90	90	94	100
3[illegible]/ 37	.6	2.8	2.3	.4	.2													59	59	115	87
36/ 35	.1	.6	.9	.4	.1													20	20	97	78
34/ 33		1.5	.8	.5	.1													27	27	43	92
[illegible]2/ 31	.6	.2	.3	.1														12	12	34	53
[illegible] / 29	.3	.2	.2															7	7	21	57
28/ 27	.1	.1																2	2	12	41
[illegible]6/ 25																				3	27
24/ 23																					22
22/ 21																					15
[illegible]/ 19																					7
[illegible]/ 17																					11
[illegible]/ 15																					1
14/ 13																					2
[illegible]/ 11																					2
[illegible]/ 9																					2
TOTAL	4.6	25.7	35.6	18.7	9.8	4.3	.9	.3	.1									930	930	930	930

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.	5099349	67541	72.6	14.477	930							
Dry Bulb	2004787	42607	45.8	7.538	930		2.1	.8	.2			93
Wet Bulb	1672310	38960	41.9	6.576	930		7.0					93
Dew Point	1328436	34392	37.0	7.805	930		24.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 61					.1													1	1		
[illegible] / 59				.8		.1	.1											9	9		
[illegible] / 57			.3	1.3	.3	.1												19	19		
58/ 55		.1	1.1	.8	.2													20	20		
4/ 53		.5	2.4	.6	.1													34	34	15	
[illegible] / 51		1.2	1.4	.8	.4													35	35	31	4
[illegible] / 49	.6	2.8	2.2	1.1	.1		.1											64	64	59	25
[illegible] / 47	.3	2.8	3.4	.8	.2													70	70	53	38
46/ 45	1.4	6.7	4.3	1.3	.1													128	128	92	82
[illegible]4/ 43	.6	6.2	2.7	.4	.1													94	94	103	56
[illegible]2/ 41	1.4	5.9	3.1	1.3	.5													114	114	117	114
4 / 39	.4	5.5	3.4	.6		.3												96	96	82	109
38/ 37	1.3	3.8	4.3	1.3	.1													100	100	98	90
[illegible]/ 35	.6	2.7	2.6	.2														57	57	89	69
34/ 33	.6	1.2	1.3	.3														32	32	77	81
[illegible]2/ 31	1.	1.3	.6	.1														28	28	56	72
[illegible]/ 29	.2	.9	.6	.2														18	18	25	39
[illegible]6/ 27		.6	.2															8	8	16	52
[illegible]6/ 25	.1		.1															2	2	13	32
24/ 23	.1																	1	1	4	34
[illegible]2/ 21																					11
[illegible]0/ 19																					8
[illegible]8/ 17																					4
16/ 15																					3
14/ 13																					1
[illegible]2/ 11																					4
[illegible] / 9																					2
TOTAL	8.8	42.2	34.1	11.8	2.4	.5	.2												930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5979[illegible]00	73642	79.2	12.607	930							
Dry Bulb	1752112	39880	42.9	6.723	930		5.7					93
Wet Bulb	1536318	37358	4[illegible].2	6.366	930		11.4					93
Dew Point	1297968	34[illegible]14	36.6	7.619	930		26.2					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

38 46	HEIDELBERG AAF DL	68-70,74-80	MAR
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 77										.0	.0							2	2		
6/ 75								.0	.0	.0								5	5		
4/ 73							.0	.0	.0									5	5		
3/ 71						.0	.0	.1										8	8		
/ 69					.0	.0	.1	.0										13	13		
6 / 67					.0	.1	.1	.0										17	17		
6/ 65					.1	.3	.1	.1										43	43		
4/ 63				.1	.3	.4	.1	.0	.0									65	65	1	
/ 61			.0	.1	.4	.1	.2	.0										65	65	7	
/ 59		.0	.1	.8	.2	.5	.1											133	133	13	
/ 57		.1	.3	.5	.7	.2	.0											136	136	50	
5 / 55		.1	.6	.7	.8	.1	.1											179	179	93	9
4/ 53	.1	.6	1.4	.7	.8	.2	.1	.0										285	285	136	16
2/ 51	.1	1.1	1.7	1.2	.6	.1	.1											353	353	210	59
/ 49	.2	1.7	1.8	1.6	.6	.1	.1	.1										455	455	387	189
/ 47	.4	2.8	2.6	1.3	.4	.2	.1											580	580	518	304
0/ 45	1.1	4.8	3.8	1.7	.8	.1												912	912	727	509
4/ 43	.9	4.4	2.6	1.1	.3	.1												697	697	758	445
2/ 41	1.6	5.6	3.5	1.1	.6	.2												927	927	805	890
/ 39	.6	5.1	2.5	.6	.1	.1												660	660	775	767
39/ 37	1.3	3.4	2.8	.5	.1	.0												618	618	835	751
6/ 35	1.1	2.7	2.1	.3	.0													457	457	644	700
34/ 33	.8	1.7	1.1	.1														279	279	530	619
2/ 31	.8	1.6	.4	.1														212	212	410	527
/ 29	.4	1.1	.4	.1														140	140	241	487
28/ 27	.5	.5	.2	.0														93	93	136	426
6/ 25	.3	.3	.1															52	52	86	222
24/ 23	.1	.2	.0															28	28	39	233
2/ 21	.1	.1																9	9	23	98
/ 19	.1	.0																8	8	10	66
18/ 17	.0																	1	1	3	56
16/ 15	.1																	2	2	2	23
14/ 13																					15
12/ 11																					16

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAR — MONTH

ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] 9																					10
[illegible] 7																					2
TOTAL	10.2	37.7	28.2	12.6	6.8	3.0	1.2	.3	.1	.0	.0							7439	7439	7439	7439

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.	45991685	574125	77.2	15.038	7439							
Dry Bulb	14637796	324408	43.6	8.122	7439		54.5	5.0	1.2			744
Wet Bulb	12508079	300709	40.4	6.883	7439		95.0					744
Dew Point	10274214	270678	36.4	7.561	7439		218.1					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
7 / 69							.1											1	1		
6/ 65					.1	.4	.1											6	6		
4/ 63						.2	.1											3	3		
2/ 61			.1	.1	.1	.4	.2	.2										11	11		
/ 59		.2	.7	.7	.6	.3	.3											25	25	2	
/ 57		.3	.9	.9	1.3	.8	.3											41	41	6	2
0/ 55		.9	1.2	1.0	2.0	.8	.1											54	54	15	2
4/ 53	.2	1.8	1.9	1.7	1.6	.6												69	69	27	11
2/ 51	1.1	.3	2.3	1.3	.8	.1												54	54	58	32
/ 49	1.1	1.9	2.6	1.3	.7	.1												66	66	70	32
7/ 47	.8	2.8	1.8	.8	.3													58	58	96	45
6/ 45	.8	4.9	2.3	.9	.4													84	84	95	66
4/ 43	.6	4.9	1.3	.9	.2													71	71	85	67
2/ 41	2.2	7.4	3.6	2.1	.1													139	139	88	115
/ 39	1.1	5.1	2.7	.2														82	82	102	97
/ 37	1.7	4.	1.6	.3														68	68	99	121
6/ 35	.8	2.6	.3	.2														35	35	80	82
4/ 33	.6	1.3	.2															19	19	44	57
2/ 31	.3	.8																10	10	23	71
/ 29		.3																3	3	7	47
8/ 27		.1																1	1	2	30
6/ 25																				1	19
4/ 23																					8
2/ 21																					4
0/ 19																					1
TOTAL	11.2	39.7	23.4	12.1	8.2	3.8	1.3	.2											900		900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5677208	70176	78.0	15.114	900							
Dry Bulb	1953329	41389	46.0	7.453	900		1.4	.1				90
Wet Bulb	1679931	38479	42.8	6.220	900		3.3					90
Dew Point	1406478	35064	39.0	6.702	900		17.1					90

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

1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22
			.1	.2						
	.1	.1	.1							
	.3	.1	.1		.1					
.3	.1	.6	.3	.4						
.9	.9	.3	1.1	.4						
1.3	2.0	.8	.8	.3						
1.2	2.2	.3	1.2							
1.8	2.3	1.2	.3							
2.6	3.0	.8	.1							
4.9	2.7	1.3	.1							
4.8	1.3	.8	.3							
7.0	2.9	.4								
4.8	4.0	.3								
5.1	1.3	.1								
4.1	.7	.3								
2.3	.8									
1.3										
.9										
.3										
.1										
.3										
44.1	24.7	7.6	4.7	1.4	.1					

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/6/ 65					.4													4	4		
64/ 63				.1														1	1		
62/ 61			.1	.2														3	3		
/ 59			.3	.4	.2	.1												10	10	2	
58/ 57			.1	.8	.1	.6												14	14	4	
56/ 55		.8	1.0	.8	.8	.1												31	31	9	1
54/ 53	.4	1.2	1.8	.7	.4	.1												42	42	15	12
52/ 51	1.3	1.8	1.7	1.2	.6	.3												62	62	44	25
5 / 49	.6	2.6	2.1	.9	.4													59	59	55	27
48/ 47	.8	2.7	2.2	.9	.1													60	60	76	47
46/ 45	1.4	6.1	3.3	1.4	.3													114	114	84	70
44/ 43	.9	4.3	2.7	.8	.1													76	76	92	63
42/ 41	2.2	6.7	3.0	.9														115	115	97	111
4 / 39	.7	7.1	3.3	.7														106	106	82	71
3 / 37	2.	4.4	1.1	.2														70	70	117	95
6/ 35	1.8	4.3	.9	.6														68	68	92	109
34/ 33	1.	2.8	.6															39	39	76	85
2/ 31	.7	.6																11	11	34	64
/ 29	.3	.7																9	9	14	51
8/ 27	.2	.3																5	5	5	42
6/ 25																				1	10
24/ 23																					14
2/ 21																					2
TOTAL	14.3	46.1	24.2	10.6	3.6	1.2													899		899
																		899		899	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6192443	73733	82.0	12.712	899							
Dry Bulb	1764076	39334	43.8	6.927	899		2.5					90
Wet Bulb	1568323	37131	41.3	6.218	899		5.4					90
Dew Point	1360387	34443	38.3	6.739	899		18.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF OL STATION NAME | 68-70,74-80 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible] / 79								.2										2	2		
76 / 77							.1											1	1		
76 / 75							.2											2	2		
[illegible] / 73							.2											2	2		
[illegible] / 71							.2		.2									4	4		
[illegible] / 69					.1	.2	.3	.1										7	7		
[illegible] / 67					.4	.1		.2	.4									11	11		
[illegible] / 65					.2	.2	.3	.4										11	11	4	
[illegible] / 63				.1	.8	1.1	1.1	.2	.1									31	31	1	
[illegible] / 61			.1	.1	.8	.6	.8	.3										24	24	6	
[illegible] / 59			.2	1.1	1.4	1.9	1.1	.2										54	54	8	
[illegible] / 57		.1	.9	1.9	1.3	.9	.6											51	51	8	3
[illegible] / 55	.1	.7	2.0	1.8	1.9	1.0												67	67	18	7
[illegible] / 53	.4	.4	.8	1.9	1.6	1.4	.1											60	60	55	13
[illegible] / 51	.4	1.6	2.4	1.6	1.2	.4												69	69	90	26
[illegible] / 49	.2	2.7	2.2	2.2	1.8	.6												87	87	81	45
[illegible] / 47	.2	1.2	2.0	1.9	1.1	.2												60	60	103	47
[illegible] / 45	.9	3.0	4.3	2.6	1.3	.2												111	111	95	81
[illegible] / 43	.1	2.9	3.5	2.6	.4													85	85	85	60
[illegible] / 41	.6	4.2	3.1	.8	.2													79	79	103	109
[illegible] / 39	.6	3.3	1.2	.1														47	47	108	90
[illegible] / 37	.4	1.2	.6															20	20	91	98
[illegible] / 35	.4	.3	.1															8	8	28	108
34 / 33	.2	.3																5	5	14	83
[illegible] / 31																					61
[illegible] / 29																					29
[illegible] / 27																					23
[illegible] / 25																					9
[illegible] / 23																					3
[illegible] / 21																					2
[illegible] / 19																					1
TOTAL	4.7	22.0	23.4	18.6	14.7	8.9	5.1	1.8	.8										898		898
																		898		898	

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.	4501282	61790	68.8	16.681	898							
Dry Bulb	2319256	45 60	50.2	8.057	898			2.9	.7			90
Wet Bulb	1860738	40512	45.1	6.074	898							90
Dew Point	1440523	35469	39.5	6.642	898		12.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-8[illegible] — YEARS
APR — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible]8/ 87												.1							1	1		
[illegible]6/ 85									.1		.1								2	2		
[illegible]4/ 83								.1	.3	.1									5	5		
[illegible]2/ 81								.1											1	1		
[illegible] / 79								.2	.1										3	3		
7[illegible]/ 77									.1		.1								2	2		
[illegible]6/ 75								.4	.1	.1	.2								8	8		
[illegible]4/ 73							.3	.3	.6	.7	.3								20	20		
[illegible]2/ 71							.4	.3	.9	.3	.1								19	19		
[illegible]/ 69					.1	.3	.4	1.4	.7	.9									35	35	3	
6[illegible]/ 67				.1	.2	.4	.3	1.1	.8										27	27	4	
[illegible]6/ 65					.2	.3	1.6	1.0	.4										32	32	5	
[illegible]4/ 63			.1	.1	.6	1.2	1.7	1.0	.2										44	44	1	
[illegible]2/ 61			.1	.2	1.1	1.3	2.1	.8											51	51	12	2
[illegible] / 59		.1	.3	1.3	1.1	1.8	1.2	.7											59	59	13	2
5[illegible]/ 57		.2	1.3	1.4	1.1	1.4	.7	.3	.1										57	57	29	6
56/ 55	.2	.4	1.0	.4	2.1	1.3	.9	.1											59	59	53	10
[illegible]4/ 53	.1	.7	.8	.7	1.8	1.1	.7	.1											53	53	89	14
[illegible]2/ 51		1.1	2.0	1.3	1.8	1.2	.2												69	69	89	26
5[illegible]/ 49		1.2	1.4	2.0	2.7	.6	.1												72	72	82	35
[illegible]8/ 47		.3	1.6	2.6	2.9	.2													68	68	88	45
46/ 45	.1	2.7	2.3	3.2	2.1	.3													97	97	86	71
[illegible]4/ 43	.2	2.2	1.7	2.1	.4														60	60	97	53
[illegible]2/ 41	.4	2.1	2.0	.4	.1														46	46	107	125
4[illegible]/ 39		.2	.2																4	4	91	106
38/ 37																					35	82
[illegible]6/ 35	.1	.3																	4	4	12	68
34/ 33																					2	84
[illegible]2/ 31																						77
[illegible]/ 29																						41
2[illegible]/ 27																						25
[illegible]6/ 25																						9
24/ 23																						10
[illegible]2/ 21																						3

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34346 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
21/ 19																					1
16/ 15																					1
TOTAL	1.2	11.7	14.6	16.0	18.4	11.7	10.7	8.1	4.5	2.1	.9	.1						898	898	898	898

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.	3343466	52370	58.3	17.960	898							
Dry Bulb	2796174	49374	55.0	9.531	898			12.3	4.2	1.2		9[illegible]
Wet Bulb	2[illegible]52053	42527	47.4	6.516	898			.7				9[illegible]
Dew Point	1431389	35267	39.3	7.189	898		16.7					9[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
88/ 87											.3	.1						4	4		
6/ 85									.1	.2	.2							5	5		
4/ 83										.1								1	1		
2/ 81								.1										1	1		
/ 79								.2	.1									3	3		
7 / 77							.1	.2	.2	.2		.1						8	8		
76/ 75								.7	.1	.8	.4		.1					19	19		
74/ 73						.1	.2	.9	.4	1.0	1.0	.3	.1					37	37		
72/ 71							.3	.6	.8	.7	.4							25	25		
/ 69							.1	1.1	1.1	1.1								31	31	2	
68/ 67				.1		.4	.9	1.2	.8	.4								35	35	6	
66/ 65					.2	.4	1.9	.4	.2	.1								30	30	6	
4/ 63				.1	.3	1.3	2.4	.8	.1	.2								48	48	7	
2/ 61				.6	.9	.2	1.9	.7										38	38	11	1
/ 59			.4	.9	1.2	1.2	1.6	.6	.2									55	55	14	1
5/ 57		.3	.4	1.2	.8	1.2	1.2	.7	.1									54	54	33	7
56/ 55	.3	.2	.6	2.1	2.3	1.3	.3	.2	.1									68	68	75	11
54/ 53		.9	1.0	.6	1.6	1.6	.4	.2										56	56	80	17
52/ 51	.1	1.1	2.0	1.0	2.1	.9	.1											66	66	92	17
50/ 49	.1	1.0	2.1	2.4	3.3	.8	.3											91	91	79	49
48/ 47	.1	.6	1.1	2.3	1.7	.8												59	59	92	44
46/ 45	.4	2.3	2.7	2.2	1.0	.2												80	80	102	77
44/ 43	.1	1.8	1.0	1.2	.4													41	41	95	60
42/ 41	.7	2.2	1.1	.1														37	37	107	115
40/ 39	.1	.2	.2	.1														6	6	65	105
38/ 37		.1																1	1	26	75
36/ 35																				6	89
34/ 33																				1	72
32/ 31																					68
30/ 29																					35
28/ 27																					25
26/ 25																					10
24/ 23																					15
22/ 21																					2

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
/ 19																					1
16/ 15																					3
TOTAL	2.9	10.8	12.7	15.0	15.9	10.6	11.9	8.6	4.4	4.9	2.4	.6	.2					899	899	899	899

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.	3192997	50681	56.4	19.339	899							
Dry Bulb	2952424	50718	56.4	10.073	899			16.9	7.8	1.1		9
Wet Bulb	2117421	43241	48.1	6.468	899			.8				9
Dew Point	1442847	35409	39.4	7.325	899		15.9					9

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
APR — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
4/ 83										.1	.1							2	2		
/81									.1	.1								2	2		
/79									.2									2	2		
7/ 77								.1	.1									2	2		
76/ 75							.3	.1			.1							5	5		
4/ 73							.2	.2		.2								6	6		
2/ 71						.1	.2	.3	.4	.3	.3							16	16		
/ 69					.1	.2	.3	.4	.6	.1								16	16		
8/ 67					.1	.4	.3	1.1	.7	.6								29	29	1	
6/ 65				.2	.1	.1	.8	1.4	.2	.2								28	28	3	
4/ 63				.2	.2	1.3	1.3	.3	.3									34	34	7	
2/ 61				.2	.6	1.3	1.7	.9	.1									43	43	7	
/ 59			.2	.8	1.4	2.0	1.3	.6	.1									58	58	9	
8/ 57			.6	1.2	.9	1.3	.6	.1										39	39	14	3
6/ 55	.1	.6	.7	2.3	2.3	.7	.3	.4										67	67	29	10
4/ 53	.3	.9	1.9	1.7	1.9	.7	.2	.1										69	69	66	13
2/ 51	.2	1.7	2.2	1.1	.9	1.0	.1											65	65	89	23
/ 49	.2	1.2	1.7	1.6	.8	1.0												58	58	107	29
8/ 47	.1	1.9	2.2	1.8	2.0	.9												80	80	104	49
6/ 45	.3	2.6	2.7	3.3	1.1	.3												93	93	85	90
4/ 43	.2	2.6	2.8	2.3	.4	.1												76	76	83	52
2/ 41	1.2	3.8	2.2	1.2	.2													78	78	107	132
/ 39	.7	1.0	.8															22	22	14	102
8/ 37		.6	.2															7	7	59	94
6/ 35	.1	.2																3	3	21	63
4/ 33																				5	67
2/ 31																					75
/ 29																					44
8/ 27																					27
6/ 25																					16
4/ 23																					11
2/ 21																					1
/ 19																					3
6/ 15																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34346 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) APR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	3.6	16.9	13.1	18.0	13.1	11.2	7.8	6.2	2.9	1.7	.6							900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3899276	56694	63.0	19.099	900							
Dry Bulb	2577866	47468	52.7	9.091	900			8.0	1.9	.4		9
Wet Bulb	1956967	41595	46.2	6.202	900			.1				9
Dew Point	1421887	35211	39.1	7.021	900		17.3					9

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
APR — MONTH

21:0-23:0 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73									.1									1	1		
72/ 71							.1	.1										2	2		
[illegible] / 69						.2	.1											3	3		
68/ 67					.3	.3	.2	.1										9	9		
[illegible]6/ 65					.3		.4	.1	.1									9	9		
[illegible]4/ 63			.3	.2	.7	.3	.4	.3	.1									22	22		
[illegible]2/ 61				.2	.3	.6	.7	.1										17	17	1	
[illegible]0/ 59		.2	.2	.6	1.2	1.1	1.3	.4										46	46	12	
[illegible]8/ 57			.3	1.3	1.3	2.2	.9											55	55	10	1
56/ 55		.6	.9	1.3	1.6	.3		.2										44	44	17	4
[illegible]4/ 53	.3	.7	2.9	2.2	1.4	.4												72	72	26	10
[illegible]2/ 51	.7	1.4	2.4	1.1	.7	.6	.1											63	63	57	22
50/ 49	.3	3.2	1.7	1.1	.8	.1												65	65	99	33
[illegible]8/ 47	.1	1.9	2.6	1.7	.2	.1												59	59	125	56
[illegible]6/ 45	.7	3.7	2.9	1.8	.8	.2												90	90	79	86
[illegible]4/ 43	.8	4.1	3.8	2.3		.2												98	98	83	67
[illegible]2/ 41	1.1	5.8	3.3	2.6	.2													117	117	93	111
[illegible]0/ 39	1.1	3.8	2.4	.6	.1													72	72	107	105
38/ 37		1.7	1.1	.1														26	26	91	88
[illegible]6/ 35		1.9	.6	.2														24	24	64	80
34/ 33	.1	.3	.1															5	5	29	72
32/ 31																				4	7[illegible]
[illegible] / 29																				2	36
28/ 27																					34
26/ 25																					10
24/ 23																					9
22/ 21																					4
18/ 17																					1
TOTAL	5.2	29.3	25.6	17.0	10.[illegible]	6.8	4.3	1.4	.3									899	899		899
																				899	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	4907202	64736	72.0	16.539	899
Dry Bulb	2163115	43537	48.4	7.804	899
Wet Bulb	1776829	39591	44.0	6.088	899
Dew Point	1411831	35105	39.0	6.758	899

Mean No. of Hours with Temperature						
	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb			1.5	.1			9[illegible]
Wet Bulb		.6					9[illegible]
Dew Point		16.4					9[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
APR — MONTH

ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
8/ 97											.0	.0						5	5		
6/ 95									.0	.0	.0							7	7		
4/ 93								.0	.0	.0	.0							8	8		
/ 91								.0	.0	.0								4	4		
/ 79								.1	.1									10	10		
7 / 77							.0	.0	.1	.0	.0	.0						13	13		
5/ 75							.1	.2	.0	.1	.1		.0					34	34		
4/ 73						.0	.1	.2	.1	.2	.2	.0	.0					66	66		
/ 71						.0	.2	.2	.3	.2	.1							66	66		
/ 69					.0	.1	.2	.4	.3	.3								93	93	5	
67				.0	.1	.2	.2	.5	.3	.1								111	111	11	
6/ 65				.0	.2	.2	.6	.4	.1	.0								120	120	18	
4/ 63			.1	.1	.3	.7	.9	.3	.1	.0								186	186	16	
2/ 61			.1	.2	.5	.6	.9	.4	.0									190	190	37	3
/ 59		.1	.3	.7	.9	1.1	.9	.3	.0									313	313	60	3
/ 57		.2	.5	1.2	.9	1.1	.5	.1	.0									327	327	107	22
5 / 55	.1	.6	1.0	1.3	1.0	.8	.2	.1	.0									424	424	227	49
4/ 53	.3	1.3	1.6	1.3	1.4	.8	.2	.1										471	471	335	100
2/ 51	.6	1.3	2.2	1.1	1.2	.6	.1											501	501	509	191
5 / 49	.5	1.9	2.0	1.6	1.3	.4	.1											564	564	624	291
47	.4	1.7	2.1	1.6	1.1	.3												510	510	759	374
45	.7	3.8	2.9	2.1	.9	.2												761	761	713	661
44/ 43	.4	3.4	2.3	1.6	.3	.0												578	578	709	474
2/ 41	1.4	4.9	2.6	1.1	.1													728	728	797	927
4 / 39	.7	3.2	1.9	.3	.													435	435	756	766
3 / 37	.8	2.1	.7	.1														269	269	614	753
/ 35	.7	1.7	.3	.2														209	209	478	705
34/ 33	.4	.9	.2															108	108	238	594
2/ 31	.3	.3																45	45	100	559
/ 29	.1	.2																21	21	38	323
/ 27	.1	.1																12	12	17	252
/ 25		.0																1	1	2	86
23		.1																3	3	1	82
2/ 21																				3	21

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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 45	HEIDELBERG AAF DL	68-73,74-80	APR
STATION	STATION NAME	YEARS	MONTH

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
/ 19																					9
/ 17																					1
1 / 15																					7
TOTAL	7.5	27.6	20.8	14.4	11.1	7.0	5.2	3.3	1.6	1.1	.5	.1	.0						7193		7193
																		7193		7193	

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.	37989421	504369	70.1	19.099	7193							
Dry Bulb	18272737	356003	49.5	9.529	7193		8.2	41.7	14.7	2.7		72
Wet Bulb	14566450	320036	44.5	6.745	7193		16.1	1.6				72
Dew Point	11265970	280282	39.0	6.921	7193		134.1					72

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 75									.1	.1								2	2		
4/ 73								.1	.1									2	2		
2/ 71				.1	.1	.1		.2	.3									8	8		
/ 69			.1	.1	.1	.1	.2											6	6		
6 / 67			.1	.2	.1	.1	.3	.1										9	9		
6/ 65			.3	.2	.3	1.0	.4											21	21	2	
4/ 63		.2	.4	.9	.8	1.0												30	30	6	1
2/ 61		.3	1.2	1.1	1.8	.5	.3											49	49	10	2
/ 59	.1	1.5	1.8	3.2	2.3	.4	.2											89	89	21	17
0/ 57	.8	3.5	2.6	2.5	1.2	.6	.4											108	108	56	22
/ 55	.4	3.1	2.8	1.9	.9	.4												89	89	93	39
4/ 53	1.2	4.2	3.9	.8	.6	.6												105	105	126	70
2/ 51	1.8	3.0	3.0	1.0	.6	.3												91	91	115	81
/ 49	1.6	4.5	2.8	.6	.2													91	91	134	111
/ 47	1.5	4.7	1.1	.5	.2													75	75	123	122
4/ 45	1.	4.0	1.2	.1	.1													59	59	95	142
4/ 43	.4	2.2	.8	.1														32	32	50	98
2/ 41	.6	2.5	.8															36	36	42	76
/ 39	.4	1.7	.3															23	23	28	50
0/ 37		.4																4	4	23	26
8/ 35		.1																1	1	5	39
4/ 33																				1	22
2/ 31																					10
/ 29																					2
TOTAL	.9	36.0	23.1	13.3	9.4	5.3	1.9	.4	.5	.1								930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5989236	73280	78.8	15.216	930							
Dry Bulb	2695240	49654	53.4	6.893	930			2.7	.4			93
Wet Bulb	2333785	46305	49.8	5.514	930							93
Dew Point	2040216	43190	46.4	6.088	930		1.2					93

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

(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22
72/ 71								.1				
70/ 69					.1		.2	.1				
68/ 67			.1		.1	.2						
66/ 65			.1		.1	.1	.1					
64/ 63		.2	.3	.3	.9	1.3						
62/ 61		.5	.6	.8	1.1							
60/ 59		.8	1.1	1.7	1.3							
58/ 57	.4	1.7	2.4	1.1	1.1	.2						
56/ 55	1.9	4.4	1.8	1.7	1.7							
54/ 53	1.4	2.7	3.2	1.9	1.3	.2						
52/ 51	3.3	4.3	1.9	.4	.4	.1						
50/ 49	2.4	4.8	2.9	.5	.1	.2						
48/ 47	1.8	7.3	1.8	.2	.4							
46/ 45	3.4	5.4	1.3	.3	.3							
44/ 43	.9	2.7	.4	.3								
42/ 41	1.4	3.1	1.1									
40/ 39	1.1	1.7	.5									
38/ 37	1.1	1.3										
36/ 35		.8										
34/ 33	.2	.2										
32/ 31	.1											
30/ 29												
TOTAL	19.2	41.3	19.7	9.4	7.8	2.0	.3	.2				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 73						.2												2	2		
2/ 71				.1				.1										2	2		
/ 69			.1		.1	.1		.1										4	4		
6 / 67			.1		.1	.4		.1										7	7		
6/ 65			.2	.1	.1	.1	.2											7	7	3	
4/ 63		.3	.5	.9	1.2	.9												35	35	4	3
2/ 61		.3	.9	1.7	1.	.1	.1											38	38	6	2
/ 59		1.3	2.7	2.6	1.4	.5	.1											80	80	15	9
3/ 57		3.2	2.6	2.8	1.4	.3	.1											97	97	45	11
5 / 55	.5	4.0	2.6	2.5	.9	.1	.1											99	99	94	37
4/ 53	1.2	3.8	4.8	1.6	.4	.2	.2											114	114	105	77
2/ 51	1.4	4.9	3.5	1.3	.4	.2												110	110	116	83
5 / 49	1.2	4.7	2.7	.6	.1	.2												89	89	163	111
/ 47	1.2	4.3	2.	.2														72	72	113	11
4 / 45	1.5	4.9	1.2	.6	.3													80	80	108	172
4/ 43	.4	1.8	.8	.2														30	30	60	61
2/ 41	.6	2.7	1.															40	40	37	89
/ 39	.3	.9	.1															12	12	30	50
/ 37	.4	.3																7	7	23	36
/ 35		.4																4	4	4	22
34/ 33		.1																1	1	4	18
2/ 31																					5
/ 29																					11
/ 27																					3
TOTAL	8.8	38.1	25.8	15.3	7.4	3.4	.9	.3										930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6123464	74390	80.0	13.649	930							
Dry Bulb	2618661	48989	52.7	6.404	930			1.5	.2			9
Wet Bulb	2294957	45925	49.4	5.396	930							9
Dew Point	2026345	43049	46.3	6.017	930		1.9					9

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH
PAGE 1
0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 81								.4	.1									5	5		
/ 79							.1		.2									3	3		
7 / 77							.1	.5	.2									8	8		
76/ 75					.1	.1	.3	.5	.2	.1								13	13		
74/ 73				.1		.1	.4	.6	.3									15	15		
72/ 71				.1	.5	.4	.4	.8	.2									23	23		
/ 69				.2	.4	1.3	1.9	.6										42	42	1	
66/ 67			.2	.8	1.2	1.6	1.3	.4	.4									55	55	6	
66/ 65			.3	.6	1.6	1.1	1.5	.1										49	49	8	1
64/ 63		.2	1.6	2.4	2.4	4.7	.8	.9	.1									121	121	20	2
62/ 61			1.6	1.8	3.9	1.2	1.4	.2	.2									96	96	38	7
60/ 59		.3	3.0	3.0	2.6	1.4	.4	.2	.1									103	103	69	17
58/ 57		1.7	1.8	2.9	2.7	.5	.2											92	92	114	20
56/ 55	.2	2.2	1.3	2.8	1.7	.2		.1										79	79	130	54
54/ 53	.6	1.4	1.2	2.9	1.3	.1	.1											71	71	131	93
52/ 51	.3	1.7	1.3	1.2	.2													44	44	110	94
50/ 49	.8	1.5	1.2	1.1	.4	.1												47	47	120	108
48/ 47	.4	1.0	.6	.6														25	25	79	118
46/ 45		1.0	1.0	.3														21	21	46	133
44/ 43		.6	.9															14	14	30	75
42/ 41	.3		.1															4	4	21	76
40/ 39																				6	53
38/ 37																				1	32
36/ 35																					20
34/ 33																					9
32/ 31																					7
30/ 29																					2
28/ 27																					7
26/ 25																					2
TOTAL	2.7	11.6	16.1	20.9	19.0	12.9	9.0	5.5	2.2	.1									930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4212637	60773	65.3	16.116	930							
Dry Bulb	3366335	55521	59.7	7.462	930			16.4	4.4	.5		93
Wet Bulb	2648731	49377	53.1	5.404	930			.7				93
Dew Point	2110280	43906	47.2	6.349	930		1.8					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

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
8/ 87									.2		.2							4	4		
6/ 85								.1	.2	.1	.1							5	5		
4/ 83									.3	.3	.1	.1						8	8		
2/ 81							.1	.5	.1	.2	.5							14	14		
/ 79					.1	.1	.2	.4	.4	.5	.6							23	23		
7c/ 77						.2	.2	.6	1.1	.6								26	26		
6/ 75						.3	.8	1.9	.6	.1	.2	.1						38	38		
4/ 73							1.2	2.2	1.5	.1		.2						48	48	1	
2/ 71				.3	.6	.5	1.2	1.9	.6	.3	.1							53	53	4	
/ 69				.1	.4	1.8	3.0	1.3	.6	.5								73	73	5	
6/ 67			.1	.2	1.2	2.0	1.4	1.1	.6	.2								64	64	17	1
6/ 65			.1	.3	1.8	1.9	1.9	.3	.3	.1								64	64	16	1
4/ 63			.6	1.7	1.8	4.7	1.3	.9	.8	.1								111	111	29	7
2/ 61		.1	1.3	1.3	1.5	1.2	.8	.4	.2									60	60	77	7
0/ 59		.6	1.6	2.5	1.7	2.9	.8	.3										97	97	91	22
8/ 57	.1	1.3	1.0	2.0	2.3	.8	.4											70	70	145	20
6/ 55		1.1	1.3	1.8	.3													42	42	109	55
4/ 53		.9	1.2	.6	.5	.2												32	32	114	83
2/ 51	.4	.8	1.2	1.3	.2	.1												37	37	103	105
/ 49	.4	.8	.1	.6	.1													19	19	99	85
8/ 47	.1	.4	.9	.5														18	18	45	100
6/ 45	.2	.3	.6	.3														14	14	42	144
4/ 43		.2	.3															5	5	17	72
2/ 41		.5																5	5	11	84
/ 39																				5	54
8/ 37																					30
6/ 35																					22
4/ 33																					12
2/ 31																					10
/ 29																					8
6/ 27																					6
6/ 25																					2
TOTAL	1.3	6.7	10.0	13.8	12.7	16.9	13.2	12.0	7.7	3.3	1.9	.4						930	930		930
																				930	

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.	3260096	52676	56.6	17.251	930							
Dry Bulb	3886334	59559	64.0	8.877	930			35.6	16.6	4.1		93
Wet Bulb	2932009	51039	54.9	5.772	930			2.7	.1			93
Dew Point	2100279	43746	47.1	6.766	930		2.6	.1				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3[illegible] 46	HEIDELBERG AAF DL	68-70,74-80	MAY	PAGE 1	1500-1700
STATION	STATION NAME	YEARS	MONTH		HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 91											.1							1	1		
[illegible]/ 89							.1		.1	.1	.5							8	8		
[illegible]8/ 87							.1				.3							4	4		
[illegible]6/ 85										.4	.1	.1	.2	.1				9	9		
[illegible]4/ 83									.4	.1	.1	.1	.1					8	8		
[illegible]2/ 81						.2	.2	.1	.3	.8	.9	.2						25	25		
[illegible]/ 79						.1		.1	.2	.8	.8	.1						19	19	1	
7[illegible]/ 77				.1			.2	.3	1.4	1.0	.2							30	30		
[illegible]6/ 75						.2	.9	2.5	1.4	.5		.1						52	52	1	1
[illegible]4/ 73					.2	.5	1.2	1.8	1.5	.5	.5							59	59	1	
[illegible]2/ 71			.1	.3	.8	.9	1.2	1.4	1.2	.4	.1							59	59	5	
[illegible]/ 69				.1	.3	2.6	1.8	1.9	.8	.2	.2							74	74	14	2
[illegible]8/ 67				.3	1.5	1.4	1.6	1.4	.3	.2								63	63	9	1
[illegible]6/ 65		.1	.1	1.[illegible]	1.3	2.3	1.4	.6	.8	.3								73	73	18	3
[illegible]4/ 63		.3	.2	1.3	1.2	3.9	1.9	.8	.4	.3								96	96	45	9
[illegible]2/ 61		.3	1.1	1.[illegible]	2.3	1.2	.8	.3	.1									65	65	107	3
[illegible]/ 59	.1	.2	2.[illegible]	1.8	2.4	1.4	.9	.2										84	84	89	26
[illegible]8/ 57		.4	1.2	1.2	1.7	.5	.1											48	48	115	33
56/ 55	.2	1.5	.6	.6	.2	.4												34	34	125	47
[illegible]4/ 53		.8	1.3	1.3	.9	.3	.1											43	43	119	81
[illegible]2/ 51	.2	1.2	1.6	.2	.1													31	31	99	85
5[illegible]/ 49	.4	.4	.6	.8														21	21	80	116
[illegible]8/ 47	.2		.2	.2														6	6	53	92
46/ 45	.2	.2	.8	.1														12	12	24	135
44/ 43		.1	.2															3	3	12	86
[illegible]2/ 41		.3																3	3	9	71
4[illegible]/ 39																				4	45
36/ 37																					32
36/ 35																					23
34/ 33																					18
[illegible]2/ 31																					8
[illegible]/ 29																					8
28/ 27																					1
26/ 25																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34,46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.4	5.9	10.1	10.3	12.8	15.9	12.5	11.5	8.9	5.7	3.9	.6	.3	.1				930	930	930	930

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.	3382204	50914	54.7	17.815	930							
Dry Bulb	4066618	60902	65.5	9.186	930			41.1	21.5	6.2		93
Wet Bulb	2910928	51746	55.6	5.845	930			3.1	.3			93
Dew Point	2126550	43994	47.3	6.990	930		2.1	.4	.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
8/ 87										.2	.1							3	3		
6/ 85									.2	.1			.1					4	4		
4/ 83								.1	.2			.3						6	6		
2/ 81							.1	.2	.2	.1	.1	.1						8	8		
/ 79					.1		.1		.3	.1	.2							8	8		
7?/ 77					.1		.2	.2	.9	.5	.3							21	21		
6/ 75					.2	.1	.3	.5	.8	.5								23	23		
4/ 73				.1	.3		.5	1.3	.9	.2								31	31		
2/ 71					.5	.3	1.5	.6	.5	.1								34	34	2	
9/ 69			.1	.3	1.2	1.3	2.3	1.3	.4									64	64	7	
8?/ 67			.1	.1	1.5	1.1	1.8	1.3	.4	.1								60	60	11	1
6/ 65			.1	1.3	1.5	1.7	2.5	.2	.8									72	72	8	1
4/ 63		.2	.8	1.8	2.4	2.8	1.6	.9	.3									100	100	21	5
2/ 61		.1	1.7	1.9	2.6	1.4	.9	.5										78	78	61	11
0/ 59		.5	3.9	1.9	1.7	2.8	.5	.4	.1									103	103	80	14
8/ 57		1.9	1.7	1.3	2.3	1.6	.3	.1										75	75	117	35
56/ 55	.2	1.2	.9	2.2	.6	.2	.1											50	50	128	40
4/ 53	.5	2.4	2.0	.8	.4	.1	.1											59	59	133	74
2/ 51	.6	1.8	1.9	1.2	.2													54	54	93	102
0 / 49	.3	1.4	1.3	.5	.2													32	32	119	109
8/ 47	.1	.5	.6	.3														15	15	76	85
6/ 45	.2	.5	1.4	.3														23	23	34	138
4/ 43		.1	.2															3	3	17	95
2/ 41		.4																4	4	16	79
4 / 39																				7	52
38/ 37																					35
36/ 35																					27
34/ 33																					21
32/ 31																					8
0/ 29																					3
28/ 27																					3
26/ 25																					1
TOTAL	2.0	10.2	14.8	13.8	15.7	13.4	12.9	7.7	6.0	2.0	.8	.4	.1					930	930		930
																				930	

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.	3725516	56470	60.7	17.869	930							
Dry Bulb	3639000	57638	62.0	8.480	930			26.2	10.4	2.4		93
Wet Bulb	2742468	50234	54.0	5.594	930			2.0				93
Dew Point	2096384	43728	47.0	6.588	930		1.5	.1				93

FORM AM 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

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
7 / 77						.2				.1	.3							6	6		
6/ 75						.2		.1	.1	.2								6	6		
4/ 73					.1	.1	.1	.1	.1									5	5		
2/ 71				.1	.4	.1	.2	.2	.1									11	11		
/ 69				.2	.3	.8	.8	.3										22	22		
6 / 67			.2	.5	.3	.9	1.3	.1										31	31	3	
6/ 65				.3	.3	1.1	.6											22	22	8	
4/ 63			1.0	2.2	1.7	2.8	.4	.1										76	76	8	1
/ 61		.6	.8	1.5	3.0	.5	.5	.2										67	67	12	12
/ 59	.1	1.2	2.8	4.1	2.4	1.7	.4	.1										119	119	47	8
/ 57	.4	1.9	2.5	3.2	.5	.6	.5											91	91	73	22
5 / 55		3.1	2.2	3.9	1.2	.5												101	101	120	4
4/ 53	.2	2.8	2.4	1.3	.8	.5	.2											85	85	137	69
2/ 51	1.4	4.3	2.5	1.2	.5	.1												93	93	133	88
/ 49	.4	3.5	3.7	.5	.6													76	76	128	120
/ 47	.3	3.0	.6	.4														41	41	98	146
/ 45	.3	2.2	1.8	.3														43	43	72	152
4/ 43		1.4	.3	.1														17	17	38	78
2/ 41	.2	.9	.1															11	11	33	69
/ 39		.6																6	6	12	37
/ 37																				7	32
/ 35	.1																	1	1	1	26
3/ 33																					21
2/ 31																					6
/ 29																					1
29/ 27																					2
TOTAL	4.5	25.6	20.1	19.9	12.3	10.2	5.2	1.3	.3	.3	.3							930	930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	512216	67376	72.4	16.105	930							
Dry Bulb	308048	52476	56.4	7.116	930			8.1	1.7			93
Wet Bulb	2488651	47857	51.5	5.287	930			.3				93
Dew Point	284456	43676	47.0	5.985	930		.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
MAY — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 91											.0								1	1		
[illegible]/ 89							.0		.0	.0	.1								8	8		
8/ 87							.0		.0	.0	.1								11	11		
6/ 85								.0	.1	.1	.0	.0	.0	.0					18	18		
4/ 83								.0	.1	.1	.0	.1	.0						22	22		
[illegible]/ 81						.0	.1	.2	.1	.1	.2	.0							52	52		
/ 79					.0	.0	.1	.1	.1	.2	.2	.0							53	53	1	
7[illegible]/ 77				.0	.0	.1	.1	.2	.4	.3	.1								91	91		
[illegible]6/ 75					.0	.1	.3	.7	.4	.2	.0	.0							134	134	1	1
[illegible]4/ 73				.0	.1	.1	.4	.8	.6	.1	.1	.0							162	162	2	
[illegible]/ 71			.0	.1	.4	.3	.6	.7	.4	.1	.0								191	191	11	
[illegible]/ 69			.0	.1	.4	1.0	1.3	.7	.2	.1	.0								289	289	27	2
[illegible]/ 67			.1	.3	.8	1.0	1.0	.6	.2	.1									293	293	46	3
[illegible]6/ 65		.0	.2	.4	.9	1.2	1.1	.2	.2	.1									312	312	63	6
4/ 63		.2	.7	1.4	1.5	2.7	.8	.4	.2	.1									594	594	134	28
[illegible]2/ 61		.3	1.0	1.4	2.1	.8	.6	.2	.1										481	481	315	47
[illegible]/ 59	.	.8	2.3	2.6	2.	1.4	.4	.2	.										720	720	426	116
[illegible]/ 57	.2	1.8	2.	2.1	1.6	.7	.3	.0											645	645	696	179
5[illegible]/ 55	.4	2.6	1.7	2.2	.8	.2	.	.0											595	595	870	348
4/ 53	.8	2.4	2.5	1.4	.7	.3	.1												606	606	967	599
2/ 51	1.2	2.7	2.1	1.	.3	.1													555	555	867	725
5[illegible]/ 49	.9	2.7	1.8	.7	.2	.1													477	477	980	862
[illegible]/ 47	.7	2.6	1.	.4	.1														357	357	700	873
46/ 45	.9	2.3	1.2	.3	.1														352	352	562	1203
[illegible]4/ 43	.2	1.1	.5	.1															144	144	284	659
[illegible]2/ 41	.4	1.3	.4																155	155	225	638
4[illegible]/ 39	.2	.6	.1																71	71	132	392
3[illegible]/ 37	.2	.3																	32	32	92	260
[illegible]/ 35	.	.2																	13	13	24	205
34/ 33	.	.0																	5	5	14	144
[illegible]/ 31	.1																		1	1	1	72
[illegible]/ 29																						47
28/ 27																						22
[illegible]/ 25																						9

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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	0.2	21.9	17.5	14.6	12.1	10.0	7.0	4.9	3.2	1.5	.9	.2	.1	.0				7440	7440	7440	7440

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.	38206891	513715	69.0	19.178	7440							
Dry Bulb	25711274	431876	58.0	9.288	7440		.1	132.5	55.2	13.2		744
Wet Bulb	20431224	387194	52.0	6.144	7440		.1	8.8	.4			744
Dew Point	16550961	347667	46.7	6.400	7440		15.0	.6	.1			744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUN — MONTH

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
/ 79								.2	.2									4	4		
7 / 77							.4	.2	.2									8	8		
6/ 75				.1			.1	.3	.2									7	7		
4/ 73				.2	.3	.3	.3											11	11		
/ 71				.6	.2	.3	.3	.1										14	14		
/ 69			.3	.4	.7	1.1	.3											26	26	1	
/ 67		.1	.8	1.1	1.7	1.2		.1	.1									46	46	2	
6/ 65	.1	1.7	1.6	1.1	1.7	.2	.6	.1										63	63	24	4
4/ 63	.4	4.1	3.6	2.7	.6	.7	.1	.1										110	110	57	16
/ 61	.2	4.4	2.8	1.6	.7	.1	.1											89	89	92	48
/ 59	1.4	5.3	3.9	2.3	.7	.2												125	125	133	93
8/ 57	1.1	5.4	2.8	1.2	.4													99	99	116	99
5 / 55	.9	5.6	2.8	.9	.3													94	94	120	93
4/ 53	1.2	4.4	2.4	.6	.6	.1												84	84	111	164
2/ 51	.7	2.2	1.3	.4	.1	.1												44	44	89	96
/ 49	.9	2.6	1.0		.1													41	41	67	85
8/ 47	.3	1.6	.1															18	18	52	61
6/ 45	.1	.8																8	8	18	61
4/ 43	.1	.4		.1														6	6	12	29
2/ 41		.2																2	2	2	30
/ 39		.1																1	1	3	8
6/ 37																				1	7
/ 35																					1
34/ 33																					2
2/ 31																					2
/ 29																					1
TOTAL	7.6	39.0	23.3	13.3	8.0	4.4	2.3	1.2	.8									900	900		900
																				900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5924934	71882	79.9	14.299	900							
Dry Bulb	3220157	53509	59.5	6.570	900			11.6	3.0	.2		9
Wet Bulb	2622323	50177	55.8	5.257	900			.3				9
Dew Point	2537969	47505	52.8	5.824	900		.3					9

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

35 46	HEIDELBERG AAF DL	68-70,74-80	JUN
STATION	STATION NAME	YEARS	MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7[illegible]/ 77								.2										2	2		
6/ 75					.1	.2	.2	.1										6	6		
4/ 73				.1														1	1		
2/ 71			.1				.1											2	2		
[illegible]/ 69					.1	.2	.1											4	4		
[illegible]/ 67			.8	.4	.3	.9		.1										23	23	3	
6/ 65		1.3	.8	1.2	.2	.7												38	38	5	1
4/ 63	.9	4.2	.9	2.2	.9	.2	.1											85	85	40	23
[illegible]/ 61	1.[illegible]	4.8	2.3	1.6	.1	.1												89	89	64	43
[illegible]/ 59	1.8	7.3	3.7	1.1	.7													131	131	105	81
[illegible]/ 57	.7	6.0	4.1	.4	.3													104	104	117	70
5[illegible]/ 55	2.3	7.1	1.7	.4	.3													107	107	121	112
[illegible]4/ 53	2.2	5.3	2.[illegible]	.4	.2													92	92	141	122
[illegible]2/ 51	1.8	3.2	1.3	.6	.1													63	63	86	117
[illegible]/ 49	2.2	3.7	.7	.2	.1													62	62	74	118
[illegible]/ 47	1.[illegible]	1.8	.8	.1	.1													34	34	57	59
[illegible]/ 45	1.7	2.3	.4															40	40	55	69
[illegible]4/ 43		1.[illegible]	.1															10	10	19	28
[illegible]2/ 41		.1	.3															4	4	5	34
4 / 39																				4	11
3[illegible]/ 37		.1																1	1	1	4
[illegible]/ 35		.2																2	2	1	3
34/ 33																				2	3
2/ 31																					2
TOTAL	15.6	48.6	27.0	8.9	3.7	2.3	.6	.4										900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6707743	76967	85.5	11.82[illegible]	900							
Dry Bulb	2936133	51105	56.8	6.170	900			3.8	.9			9[illegible]
Wet Bulb	2679185	48863	54.3	5.409	900			.3				9[illegible]
Dew Point	2487710	47[illegible]34	52.3	5.749	900		.2					9[illegible]

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

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-71,74-80 — YEARS
JUN — MONTH
PAGE 1
0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 79									.1									1	1		
7 / 77							.1	.1	.1									3	3		
6/ 75						.1	.2											3	3		
4/ 73				.2	.2	.1	.3	.1										9	9		
/ 71			.1	.4	.8	.6												17	17		
/ 69			.6	.8	1.3	.3	.1											28	28		
6 / 67		.1	1.6	1.3	1.9	.8		.1	.1									53	53	4	
6/ 65		1.0	2.3	2.8	1.1	.1												63	63	25	4
4/ 63	.8	3.1	3.6	3.8	.8	.7	.1											115	115	57	24
2/ 61	.9	3.4	3.6	1.4	1.0		.1											94	94	100	51
/ 59	.9	4.7	5.4	2.3	.3	.8												130	130	125	65
4/ 57	.2	4.9	3.1	1.1	.6	.2												91	91	115	96
6/ 55	.9	5.6	3.3	.7	.2													96	96	112	131
4/ 53	.8	3.6	2.0	.2	.1													60	60	112	120
2/ 51	1.4	2.6	2.3	.1														58	58	89	108
[illegible]	.9	1.9	.8	.1														33	33	72	84
8/ 47	.1	1.9	.2	.2														22	22	47	69
6/ 45	.7	1.1	.1															17	17	28	58
4/ 43	.1	.2	.1															4	4	9	35
2/ 41		.2	.1															3	3	2	26
0/ 39																				2	5
8/ 37																				1	6
6/ 35																					3
TOTAL	7.7	34.2	28.9	15.6	8.3	3.7	1.0	.3	.3										900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5936753	72231	80.3	12.467	900							
Dry Bulb	3201240	53366	59.3	6.404	900			11.4	1.6	.1		9
Wet Bulb	2819726	50152	55.7	5.277	900			.4				9
Dew Point	2547166	47616	52.9	5.577	900							9

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

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible]/ 91														.1				1	1		
[illegible]/ 89														.1				1	1		
[illegible]8/ 87											.1	.2						3	3		
[illegible]6/ 85									.1		.2	.2						5	5		
[illegible]4/ 83							.2		.1			.1						4	4		
[illegible]/ 81						.1	.2	.7	.4	.4								17	17		
[illegible]/ 79						.9	.4	.7		.3								21	21		
78/ 77					.2	.9	1.9	1.3	.6	.2								46	46		
76/ 75				.1	1.2	1.9	1.9	.3	.6	.1								55	55		
74/ 73				.6	1.0	3.0	3.0	1.0	.1	.1								79	79		
72/ 71			.6	.6	1.2	2.6	1.1	.3										57	57	5	
[illegible]/ 69			.4	1.3	3.1	2.4	1.0	.3	.1	.1								80	80	12	
68/ 67			.8	1.1	2.6	1.3	1.1		.2									64	64	50	2
66/ 65	.1	.6	1.0	3.2	2.1	1.7	.6	.2	.1									86	86	74	12
64/ 63	.2	1.3	2.6	3.0	3.0	1.6	.3	.1										109	109	124	43
62/ 61		.3	2.2	2.1	1.4	.4	.3											62	62	142	52
[illegible]/ 59	.2	1.1	1.0	1.7	1.3	.7	.2											56	56	104	84
[illegible]/ 57	.2	2.1	1.4	2.0	.6	.3												60	60	101	115
56/ 55	.2	.7	1.9	1.4	.1	.1												40	40	86	139
54/ 53	.2	.9	1.0	.4	.3													26	26	71	87
52/ 51	.3	.7	.6	.4														18	18	61	83
50/ 49		.2	.1	.1														4	4	42	85
[illegible]/ 47	.1	.4																5	5	13	65
46/ 45		.1																1	1	15	63
44/ 43																					18
42/ 41																					27
40/ 39																					13
38/ 37																					5
[illegible]6/ 35																					5
34/ 33																					1
[illegible]2/ 31																					1
TOTAL	.7	8.4	13.6	18.1	18.2	17.9	12.3	5.0	2.3	1.3	.3	.6		.2					900		900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3937069	57993	64.4	14.923	900							
Dry Bulb	4039812	59878	66.5	7.897	900			43.3	23.2	3.6		9[illegible]
Wet Bulb	3159597	53096	59.0	5.497	900			6.7				9[illegible]
Dew Point	2599715	48055	53.4	6.136	900		.1	.2				9[illegible]

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

34 46 — STATION
HEIDELBERG AAF (IL) — STATION NAME
68-70,74-80 — YEARS
JUN — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 95															.1		.1	2	2		
[illegible]/ 93														.4		.1		5	5		
[illegible]/ 91												.1	.2	.1	.1			5	5		
[illegible]/ 89									.1		.6	.2	.1					9	9		
[illegible]/ 87										.2	.8	.2						11	11		
[illegible]/ 85								.3	.2	.2	.2	.1						10	10		
[illegible]/ 83							.7	1.0	.4	.7	.4							26	26		
[illegible]/ 81						.3	.9	2.6	2.7	.9	.3							69	69		
[illegible]/ 79						.8	.8	2.0	1.2	.9	.4	.2						57	57		
78/ 77					.4	1.0	2.6	2.2	1.6	.6	.6							80	80		
[illegible]/ 75				.1	.2	1.4	2.7	.7	.4	.3	.1							54	54	1	
[illegible]/ 73				.6	.6	1.9	2.4	2.0	.2	.3								72	72	2	
[illegible]/ 71			.6	.2	.9	1.7	1.8	.7	.1	.2								54	54	18	
[illegible]/ 69			.4	.4	1.2	2.3	1.4	.6	.2									58	58	38	
[illegible]/ 67		.1	.8	1.3	1.3	1.2	1.1	.7	.2									61	61	93	5
[illegible]/ 65		.1	.7	1.3	1.1	.7	1.7	.2										52	52	93	15
[illegible]/ 63		1.1	1.4	1.4	1.9	3.0	.2	.1										81	81	113	37
[illegible]/ 61		.8	.8	1.1	1.9	.3	.3	.3										50	50	113	53
[illegible]/ 59	.1	1.3	.9	1.1	1.2	1.3	.4	.1										62	62	103	94
[illegible]/ 57	.2	.9	1.3	.6	.2	.2	.1											29	29	74	114
56/ 55		.9	.8	.4														19	19	81	105
[illegible]/ 53		.8	.8	.2	.2													18	18	79	89
[illegible]/ 51		.8	.2	.1														10	10	45	77
[illegible]/ 49	.1	.2																3	3	26	64
[illegible]/ 47		.2																2	2	14	60
46/ 45		.1																1	1	7	7[illegible]
[illegible]/ 43																					28
[illegible]/ 41																					42
[illegible]/ 39																					6
38/ 37																					12
[illegible]/ 35																					4
34/ 33																					1
2/ 31																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-7 ,74-80 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.4	7.7	8.3	8.9	10.8	16.2	16.8	13.4	7.4	4.3	3.4	.9	.3	.6	.2	.1	.1	900	900	900	900

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.	3117681	50835	56.5	16.554	900			57.3	40.0	17.0	.7	9
Dry Bulb	4547580	63432	70.5	9.248	900			15.2	.3			9
Wet Bulb	3310795	54333	60.4	5.845	900		.4	.5				9
Dew Point	2573185	47755	53.1	6.608	900							9

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34-46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
100/ 99																.1		1	1		
98/ 95														.1	.8	.3	.2	13	13		
96/ 93															.1			1	1		
94/ 91											.1	.1	.1	.2				5	5		
92/ 89										.1	.3	.2	.1	.1				8	8		
90/ 87									.3	.4	.3	.6						15	15		
88/ 85								.7	.2	.6	.6							18	18		
86/ 83							.4	.4	.7	1.8	.8	.1	.2					40	40		
84/ 81						.2	1.0	2.1	4.4	1.4	.2	.1						86	86		
82/ 79						.6	1.2	1.2	1.0	1.7	.3	.2						56	56		
80/ 77					.6	.7	2.0	1.1	2.3	.4	.4	.1						69	69		
78/ 75				.1	.6	1.0	2.4	1.7	.2	.1	.3							58	58		
76/ 73				.6	.8	.7	1.7	1.7	.4	.3								55	55	2	
74/ 71			.7	.4	.4	1.0	1.9	.8	.2	.2								51	51	21	
72/ 69		.1	.6	.2	1.3	2.0	1.3	1.2	.3									64	64	39	
70/ 67			.4	.8	1.9	1.1	1.7	.3	.1									57	57	91	6
68/ 65		.3	.4	1.8	1.1	2.1	1.4		.4									69	69	122	15
66/ 63		1.0	1.4	2.3	2.3	2.0	.3											82	82	95	47
64/ 61	.1	.8	1.0	.9	1.1	.4	.1											40	40	126	51
62/ 59	.1	.7	.6	1.1	1.4	.9	.2	.2	.1									48	48	98	59
60/ 57		.3	.4	1.1	.2	.2												21	21	81	108
58/ 55	.2	.6	.3	.7	.2													18	18	66	120
56/ 53		.9	.7	.1	.1													16	16	61	75
54/ 51	.1	.6																6	6	39	95
52/ 49		.1																1	1	26	98
50/ 47		.2																2	2	10	64
48/ 45																				3	72
46/ 43																					28
44/ 41																					31
42/ 39																					17
40/ 37																					6
38/ 35																					2
36/ 33																					2
34/ 31																					3

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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34346 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
-/ 25																					1
TOTAL	.6	5.6	6.6	9.8	12.1	12.9	15.8	11.4	10.9	7.1	3.4	1.4	.4	.4	.9	.4	.2		900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2895721	48743	54.2	16.870	900							
Dry Bulb	4706513	64527	71.7	9.442	900			59.7	42.5	21.1	1.5	9
Wet Bulb	3353519	54701	60.8	5.665	900			15.3	.2			9
Dew Point	2554511	47567	52.9	6.533	900		.4	.6				9

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUN — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
96/ 95															.1			1	1		
94/ 93															.2			2	2		
92/ 91												.1	.1	.2				4	4		
90/ 89											.1	.1		.1				3	3		
88/ 87										.1		.1	.2					4	4		
86/ 85								.1	.3	.4	.2	.3	.1					14	14		
84/ 83								.2	.1	.2	.4							9	9		
82/ 81						.2	.1	.4	1.0	1.2	.3	.1						31	31		
80/ 79						.3	.4	1.4	1.1	.2	.1							33	33		
78/ 77					.2	.9	2.3	1.7	2.6	.7	.2							81	81		
76/ 75				.1	.6	1.1	2.1	1.7	.8	.2								59	59		
74/ 73				.4	1.1	1.7	2.4	1.1	1.0	.1								70	70	1	
72/ 71			.8	.6	1.2	1.8	1.8	.3	.2	.1								61	61	4	
70/ 69		.3	1.1	.6	.9	1.4	1.3	.7	.3	.1								58	58	16	
68/ 67		.3	.4	.3	2.1	1.3	.9	.4	.3									53	53	58	3
66/ 65			1.3	1.8	1.3	1.2	1.6	.2	.1									65	65	99	11
64/ 63	.1	1.6	2.2	2.8	2.1	3.2	.2	.2	.1									112	112	105	36
62/ 61	.1	2.1	1.9	1.7	1.1	.2												63	63	135	37
60/ 59	.4	.7	1.8	1.3	1.2	.3	.3	.1										56	56	116	90
58/ 57	.2	1.3	1.2	1.7	.6	.3	.1											49	49	88	118
56/ 55	.4	.9	.7	1.1	.3	.1												32	32	93	103
54/ 53	.4	.7	.7	.1														17	17	80	94
52/ 51	.3	1.1	.3	.1														17	17	50	97
50/ 49		.3																3	3	33	95
48/ 47	.1	.1																2	2	17	49
46/ 45	.1																	1	1	5	84
44/ 43																					32
42/ 41																					23
40/ 39																					7
38/ 37																					7
36/ 35																					9
34/ 33																					2
32/ 31																					2
30/ 29																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34346 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) JUN (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	.3	9.4	12.1	12.6	12.4	13.9	13.8	8.7	8.0	3.4	1.4	.8	.4	.3	.3			900	900	900	900
																		900			

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3605205	54607	60.7	18.021	900							
Dry Bulb	4258649	61413	68.2	8.699	900			48.3	31.1	9.0	.3	90
Wet Bulb	3202149	53465	59.4	5.381	900			7.9	.1			9
Dew Point	2549893	47567	52.9	6.317	900		.3	.3				9

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34246 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible] / 81									.3		.2							5	5		
[illegible] / 79								.2	.2		.2							6	6		
78 / 77							.1	.3	.3									7	7		
76 / 75					.4	.3	.6	.6	.1									18	18		
74 / 73				.2	1.4	.6	1.2	.8										38	38		
[illegible] / 71			.1	.3	1.6	1.7	.6	.3										41	41		
70 / 69			1.0	1.0	3.0	2.1	.6	.6	.1	.1								76	76		
68 / 67	.1	.2	1.7	1.8	2.9	1.3	.9	.1	.1									82	82	18	2
66 / 65	.1	1.3	1.3	2.1	1.3	.7	.1	.2										65	65	43	3
64 / 63	.3	1.3	3.4	4.2	1.2	.7	.2	.1										104	104	80	38
62 / 61	.3	2.9	3.0	2.4	1.1	.3												91	91	129	47
[illegible] / 59	.9	2.9	2.9	2.1	1.6	1.1												103	103	126	69
58 / 57	.6	3.2	2.8	1.3	.8	.3												81	81	120	116
56 / 55	.8	3.3	1.3	1.8	.2													67	67	107	128
54 / 53	.4	2.1	1.8	.4	.1	.1												45	45	90	114
52 / 51	.9	1.7	.8	.4														34	34	75	98
50 / 49	.3	1.8	.6		.1													25	25	66	85
48 / 47	.4	.1	.2		.1													8	8	31	68
46 / 45	.1	.2	.1															4	4	8	62
44 / 43																				5	24
42 / 41																				2	26
40 / 39																					13
38 / 37																					6
36 / 33																					3
32 / 31																					1
TOTAL	5.3	21.1	21.0	18.2	15.9	9.2	4.2	3.2	1.2	.1	.4								900		900
																		900		900	

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.	5[illegible]22507	65767	73.1	15.523	900							
Dry Bulb	3556664	56222	62.5	7.039	900			27.3	7.4	1.0		9[illegible]
Wet Bulb	2965211	51449	57.2	5.178	900			1.8				90
Dew Point	2565464	47764	53.1	5.832	900		.1	.2				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | JUN MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 3/ 99																.0		1	1		
6/ 95														.0	.1	.0	.0	16	16		
4/ 93														.1	.0	.0		8	8		
/ 91											.0	.0	.1	.1	.0			15	15		
/ 89									.0	.0	.1	.1	.0	.0				21	21		
8/ 87									.0	.1	.2	.1	.0					33	33		
6/ 85								.1	.1	.2	.2	.1	.0					47	47		
4/ 83							.1	.2	.2	.3	.2	.0	.0					79	79		
/ 81						.1	.3	.7	1.1	.5	.1	.0						208	208		
/ 79						.3	.4	.7	.5	.4	.1	.1						178	178		
78/ 77					.2	.4	1.2	.9	1.0	.2	.2	.0						296	296		
7o/ 75				.1	.4	.8	1.3	.7	.3	.1	.1							260	260	1	
4/ 73				.4	.7	1.0	1.4	.8	.2	.1								335	335	5	
2/ 71			.4	.4	.8	1.2	.9	.3	.1	.1								297	297	48	
/ 69		.1	.6	.6	1.4	1.5	.7	.4	.1	.0								394	394	106	
2/ 67	.1	.1	.9	1.3	1.8	1.1	.7	.2	.2									439	439	319	18
6/ 65	.1	.8	1.1	1.9	1.3	.9	.7	.1	.1									501	501	485	65
64/ 63	.3	2.2	2.4	2.8	1.6	1.5	.2	.1	.0									798	798	671	264
2/ 61	.3	2.4	2.2	1.6	1.1	.3	.1	.0										578	578	901	382
/ 59	.7	3.1	2.5	1.6	1.1	.7	.2	.1	.0									711	711	910	650
-/ 57	.4	3.0	2.1	1.2	.5	.2	.2											534	534	812	836
56/ 55	.7	3.1	1.6	.9	.2	.3												473	473	806	931
4/ 53	.7	2.3	1.4	.3	.2	.0												358	358	743	865
2/ 51	.7	1.6	.9	.3	.1	.0												250	250	534	771
/ 49	.6	1.3	.4	.1	.1													172	172	406	734
4/ 47	.3	.8	.2	.0	.0													93	93	241	495
5/ 45	.3	.6	.1															72	72	139	539
44/ 43	.0	.2	.1	.0														20	20	45	222
2/ 41		.1	.1															9	9	11	239
/ 39		.0																1	1	9	77
38/ 37		.0																1	1	3	53
36/ 35		.0																2	2	1	27
34/ 33																				2	14
2/ 31																					15

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3[illegible]46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | JUN MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
/ 29																					2
/ 25																					1
TOTAL	5.1	21.8	16.7	13.2	11.2	10.1	8.3	5.5	3.9	2.0	1.1	.5	.2	.2	.2	.1	.0	7200	7200	7200	7200

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.	37147613	499025	69.3	18.860	7200							
Dry Bulb	30466748	463452	64.4	9.393	7200			262.7	149.7	52.0	2.5	720
Wet Bulb	24312498	416236	57.8	5.889	7200			47.9	.6			720
Dew Point	20415613	380883	52.9	6.087	7200		1.8	1.8				720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | JUL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 81											.1	.1						2	2		
/ 79						.1	.1	.1	.3	.1	.1							8	8		
7[illegible]/ 77					.1	.2	.3	.4	.1	.2	.2							15	15		
[illegible]6/ 75		.1	.1	.2	.1	.5	.2	.1	.2	.2	.1							18	18		
74/ 73		.2	.2	.5	.2	.9	.3	.3		.1								26	26	1	1
72/ 71		.4	.4	.6	1.5	.5	.4	.1										38	38	3	3
[illegible]/ 69	.1	.1	1.2	.8	.8	.4	.4											35	35	13	4
[illegible]/ 67		.5	1.7	1.8	.8	.1	.2											48	48	19	5
[illegible]6/ 65	.5	2.3	1.7	2.7	.3	.1	.1											72	72	42	15
[illegible]4/ 63	.6	4.1	4.4	3.4	.4													121	121	95	41
[illegible]2/ 61	.9	3.9	4.2	1.7	.1													100	100	122	65
[illegible]/ 59	2.2	4.8	5.5	1.6	.2													133	133	134	130
[illegible]8/ 57	.4	5.6	2.4	1.3	.1													88	88	132	107
5[illegible]/ 55	1.5	6.9	2.8	1.4														117	117	126	146
[illegible]4/ 53	1.9	2.9	2.[illegible]	.1														65	65	111	159
[illegible]2/ 51	.3	1.9	1.[illegible]															30	30	66	81
5[illegible]/ 49	.2	.6																8	8	50	73
4[illegible]/ 47		.4																4	4	12	47
4[illegible]/ 45		.1																1	1	3	35
[illegible]4/ 43	.1																	1	1	1	17
[illegible]2/ 41																					4
[illegible]/ 39																					[illegible]
TOTAL	5.8	34.9	27.6	15.9	4.6	2.9	2.2	1.1	.6	.6	.5	.1						930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6258171	75175	80.8	13.978	930							
Dry Bulb	3572598	57318	61.6	6.559	930			19.0	6.9	.6		93
Wet Bulb	3145617	53895	58.[illegible]	4.901	930			3.6	.1			93
Dew Point	2860867	51355	55.2	5.190	930			1.3	.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3[illegible] 4[illegible]	HEIDELBERG AAF DL	68-70,74-8[illegible]	JUL
STATION	STATION NAME	YEARS	MONTH

PAGE 1 [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	Wet Bulb	Dew Point
76/ 75						.1		.2		.2								5	5		
74/ 73					.2	.2	.2	.3	.3									12	12		
7[illegible]/ 71		.1	.1	.3	.8	.4	.3											19	19	1	
7[illegible]/ 69	.4	.5	1.1	.4	.6	.2	.1		.2									34	34	5	5
6[illegible]/ 67	.3	.3	1.5	.5	1.[illegible]	.3	.2											39	39	12	7
[illegible]6/ 65	.2	1.6	1.1	1.3	.6													45	45	26	8
[illegible]4/ 63	.8	5.1	2.5	1.[illegible]	.4	.3												93	93	58	37
[illegible]2/ 61	.8	5.2	3.7	1.1														99	99	106	56
[illegible]/ 59	2.3	7.0	5.1	1.0	.1													143	143	112	110
5[illegible]/ 57	1.5	7.5	3.3	.6	.1													122	122	136	103
5[illegible]/ 55	2.5	7.4	1.3	.[illegible]														111	111	144	131
[illegible]4/ 53	2.6	3.9	1.7	.3														79	79	132	138
[illegible]2/ 51	1.3	4.7	1.1															66	66	69	115
5[illegible]/ 49	1.5	1.5	.5															33	33	80	82
4[illegible]/ 47	.9	1.3	.1															21	21	31	72
4[illegible]/ 45	.4	.4																8	8	16	47
[illegible]4/ 43	.1																	1	1	2	14
[illegible]2/ 41																					5
TOTAL	1[illegible].5	46.6	23.0	7.3	3.[illegible]	1.6	.9	.5	.5	.2									930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6923703	79481	85.5	11.874	930							
Dry Bulb	3270734	54874	59.0	5.954	930			10.9	1.7			93
Wet Bulb	2979431	52439	56.4	4.933	930			1.8				93
Dew Point	2776037	50587	54.4	5.122	930			1.2				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

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 79								.1		.1								2	2		
7 / 77				.1	.1		.3	.1	.1	.1								8	8		
6/ 75					.4	.2	.3	.3										12	12		
4/ 73			.1	.4	.1	.9	.5	.5	.1									25	25	1	
/ 71		.1	.5	.3	1.2	.3	.2	.1										26	26	1	1
/ 69	.2	.2	1.1	1.3	1.1	.6	.4											46	46	5	3
/ 67	.2		2.3	1.3	1.3	.1	.1											49	49	18	5
6/ 65	.2	1.6	3.1	1.7	.8	.2												71	71	30	9
4/ 63	.3	5.6	4.2	2.7	.6	.1												126	126	99	39
/ 61	.3	5.2	4.8	1.6	.4													115	115	135	59
/ 59	1.1	5.1	5.5	2.3	.3													132	132	119	152
/ 57	.9	5.7	3.5	1.4	.2													109	109	132	114
5 / 55	1.7	4.6	2.9	1.1	.1													97	97	132	122
4/ 53	1.7	2.7	1.7	.3														60	60	116	142
2/ 51	.8	2.3	.4															32	32	75	97
/ 49	.2	.9																10	10	48	86
/ 47	.3	.5																8	8	16	52
/ 45	.2																	2	2	3	42
4/ 43																					5
2/ 41																					2
TOTAL	9.2	34.4	30.2	14.5	6.7	2.5	1.9	1.2	.2	.2								930	930	930	930

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.	627.262	75478	81.2	12.473	930							
Dry Bulb	3512819	56877	61.2	6.079	930			16.8	4.7	.2		93
Wet Bulb	3109132	53592	57.6	4.737	930			2.5	.1			93
Dew Point	2836916	51162	55.0	4.904	930			.9				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
9 / 93													.1					1	1		
/ 91														.1				1	1		
/ 89													.1					1	1		
8/ 87											.2	.2	.1					5	5		
6/ 85							.2	.1	.2	.2	.2	.1	.1					11	11		
4/ 83						.1	.1	.3	.1	.3		.2						11	11		
/ 81					.2	.6	.4	1.1	1.3	.1	.4							39	39		
/ 79					.1	.6	.9	1.6	1.0	.1								40	40		
7 / 77				.2	.5	1.2	2.3	1.0	.6	.1								55	55		
6/ 75			.1	.3	1.2	2.6	1.7	.5	.1									61	61	1	
4/ 73			.2	.9	1.5	1.4	1.8	.4										58	58	6	
2/ 71		.1	.4	.6	3.3	1.5	1.1	.1										64	64	13	
/ 69			1.1	1.3	2.5	2.0	.4	.1										69	69	36	9
/ 67		.5	1.2	1.3	2.5	1.4	.2	.2										68	68	72	13
6/ 65		1.2	1.1	2.3	1.7	.8	.2											66	66	123	17
4/ 63	.1	2.7	2.6	4.7	3.2	1.7	.1											141	141	119	61
/ 61	.4	2.3	1.7	2.2	1.9	.4												83	83	125	82
/ 59	.6	1.6	1.4	3.0	.3	.1												70	70	123	137
/ 57	.4	3.0	1.5	1.6														61	61	99	117
5 / 55	.5	1.1	.3	.3														21	21	115	130
4/ 53	.3	.1																4	4	71	107
2/ 51																				24	97
/ 49																				3	72
/ 47																					39
/ 45																					36
4/ 43																					16
2/ 41																					3
TOTAL	2.5	12.6	11.5	18.7	19.1	14.5	9.5	5.5	3.3	.9	.9	.5	.4	.1					930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4332265	61785	66.4	15.651	930							
Dry Bulb	4382352	63432	68.2	7.756	930			48.4	28.3	8.3	.1	93
Wet Bulb	3472929	56645	61.9	4.950	930			12.8	.7			93
Dew Point	2921925	51893	55.8	5.326	930			2.2				93

USAFETAC FORM AWS A4 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
6/ 95													.3	.1		.2		6	6		
4/ 93										.1			.2	.4	.3			10	10		
2/ 91											.1	.2	.4	.1				8	8		
/ 89									.1	.4	.2	.4						11	11		
8/ 87							.1	.4	.4	.3	.9	.4	.2					26	26		
6/ 85						.2	.3	.4	1.0	1.0	.8		.1					35	35		
/ 83						.2	.5	1.3	.8	1.1	.6	.1						43	43		
/ 81					.3	.3	1.1	2.3	2.5	1.2	.2							73	73		
/ 79				.1	.1	.6	1.1	1.9	1.1	.8								53	53		
7/ 77				.2	.3	1.8	3.3	2.4	1.3	.2								89	89		
6/ 75	.1			.1	.9	1.8	1.6	.6	.3									51	51	7	1
4/ 73				.2	.5	1.6	2.4	1.6	.2	.1								62	62	17	
2/ 71			.2	.1	1.5	2.3	2.4	.6	.1									67	67	27	1
/ 69			.3	1.2	.8	2.6	1.1	.4	.1									60	60	70	12
/ 67		.2	.8	.8	1.1	1.0	.9	.2										45	45	105	9
6/ 65		.6	.2	1.3	1.2	2.6	1.3											61	61	123	19
4/ 63		2.0	1.5	1.4	2.5	2.6	.2											95	95	116	54
2/ 61	.6	.8	1.8	1.1	1.1	.1												51	51	113	89
/ 59	.4	.9	1.4	1.3	.5													39	39	107	128
8/ 57		1.7	1.4	.1	.1													31	31	91	108
6/ 55	.5	.4		.1														10	10	80	106
4/ 53	.1	.2																3	3	63	102
2/ 51			.1															1	1	8	109
/ 49																				2	73
/ 47																				1	51
6/ 45																					41
4/ 43																					20
2/ 41																					6
/ 39																					1
TOTAL	1.8	6.9	7.7	7.3	10.9	17.7	15.9	12.3	7.8	5.2	2.8	1.2	1.3	.6	.3	.2			930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3310593	53173	57.2	17.061	930							
Dry Bulb	4991643	67597	72.7	9.184	930			63.9	46.7	24.9	1.6	93
Wet Bulb	3646383	58123	62.4	5.322	930			22.6	2.4			93
Dew Point	2886985	51539	55.4	5.756	930			2.3	.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUL — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
≥ 97														.1		.1		2	2		
96/ 95													.1	.4	.6	.2	.1	14	14		
94/ 93										.1	.1	.1	.1	.6	.2			12	12		
92/ 91										.2	.3	.3	.2	.2				12	12		
90/ 89								.2	.6	.3	1.2	.3	.3	.1				29	29		
88/ 87							.1	.1	1.4	.9	.9	.6	.4					41	41		
86/ 85						.2	.2	.4	.8	1.7	.6	.1	.1					39	39		
84/ 83				.1	.1	.3	.3	.8	1.3	1.4	.3							43	43		
82/ 81					.2	.4	.8	2.2	2.7	2.0	.6		.1					84	84		
80/ 79				.1		1.0	1.0	1.7	2.0	.5	.3							62	62	1	
78/ 77					.3	.6	1.9	1.3	1.6	.3								57	57		1
76/ 75				.1	.5	.6	1.4	1.3	.4									41	41	12	
74/ 73				.8	.6	1.0	1.5	1.6	.4	.1								56	56	24	
72/ 71			.4	.4	1.1	1.1	2.4	1.0	.4									63	63	36	5
70/ 69			.5	.5	.9	2.3	1.6	.5										59	59	72	5
68/ 67		.1	1.6	.8	1.7	1.2	1.6	.4										69	69	104	16
66/ 65		.6	.8	.8	1.2	1.8	1.3											60	60	129	34
64/ 63	.1	1.6	2.5	2.4	2.1	1.4	.2											95	95	103	58
62/ 61		.3	1.6	1.8	.4													39	39	116	69
60/ 59	.1	1.1	.8	.4	.2													24	24	108	115
58/ 57	.1	1.5	.2	.4														21	21	94	89
56/ 55	.2	.4																6	6	92	101
54/ 53		.1	.1															2	2	33	126
52/ 51																				5	86
50/ 49																				1	97
48/ 47																					49
46/ 45																					52
44/ 43																					17
42/ 41																					9
40/ 39																					1
TOTAL	.5	5.8	8.5	8.6	9.4	11.9	14.3	11.5	11.7	7.6	4.4	1.5	1.4	1.5	.9	.3	.1	930	930	930	930

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3050351	50681	54.5	17.621	930							
Dry Bulb	5202601	68983	74.2	9.609	930			68.3	49.2	30.0	2.8	93
Wet Bulb	3704682	58488	62.9	5.326	930			24.9	3.7			93
Dew Point	2872057	51379	55.2	6.010	930			2.7	.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUL — MONTH

1600-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
96/ 95													.1		.2	.1		4	4		
94/ 93															.1			1	1		
92/ 91										.1				.6				7	7		
90/ 89									.1	.3	.1		.2	.1	.1			9	9		
88/ 87								.4	.8	.5	.3	.2	.3		.1			25	25		
86/ 85						.1	.1	.6	.3	.6	.6							23	23		
84/ 83						.1	.1	.8	.8	.9	.5			.1				30	30		
82/ 81				.2		.6	.8	1.1	1.6	.3		.1						44	44		
80/ 79				.2	.1	1.2	1.3	1.6	1.3	.6	.2							61	61		
78/ 77					.5	1.2	2.8	2.4	1.5									78	78		
76/ 75				.2	.5	1.6	1.8	1.4	.2									54	54	3	
74/ 73				.3	.8	1.9	2.3	.8	.2									58	58	16	
72/ 71			.2	.5	1.7	1.3	2.4	.3	.1									61	61	25	4
70/ 69		.3	1.0	1.3	1.1	2.7	.5	.3										64	64	47	6
68/ 67		.3	1.5	1.1	2.2	1.3	1.4	.1										73	73	80	7
66/ 65	.1	.6	1.1	1.5	1.8	1.7	.6											70	70	124	31
64/ 63	.4	1.3	2.2	2.6	2.6	2.3	.2											107	107	126	58
62/ 61		1.4	1.3	1.6	1.6	.1	.1											57	57	128	67
60/ 59	.1	1.2	2.1	1.1	.8													48	48	116	119
58/ 57		2.2	1.3	.1														30	30	84	107
56/ 55	.3	1.3	.1	.2														18	18	106	107
54/ 53	.2	.4																6	6	58	136
52/ 51		.1																1	1	13	92
50/ 49																				3	86
48/ 47																					46
46/ 45																					42
44/ 43																					13
42/ 41																					5
40/ 39																					1
38/ 37																					1
36/ 35																					1
TOTAL	1.2	9.1	10.3	10.7	13.7	16.1	14.4	9.8	6.9	3.4	1.8	.3	.6	.9	.5	.1			929		929
																		929		929	

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.	3626992	55862	60.1	16.992	929							
Dry Bulb	4759306	65990	71.0	8.797	929			59.3	39.4	17.8	.5	93
Wet Bulb	3567824	57372	61.8	5.161	929			17.1	1.9			93
Dew Point	2874570	51406	55.3	5.689	929			1.7				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | JUL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
4/ 83									.1	.1			.2					4	4		
2/ 81						.3	.1	.1	.2	.1	.1	.2						11	11		
/ 79				.1	.4	.1	.1	.4	.2		.1							14	14		
7 / 77				.5	.9	.8	1.2	.5	.4		.4							44	44		
6/ 75			.2	.4	.5	.9	.4	.4	.1									28	28		
4/ 73			.1	.6	.8	1.4	.8			.1								35	35	1	
/ 71			.8	1.1	2.3	1.0	.6	.2										55	55	14	1
/ 69	.2	.6	1.6	2.5	2.3	1.5	.2											81	81	22	7
/ 67		.4	1.4	2.4	3.5	1.0												81	81	41	20
6/ 65	.3	1.6	2.5	2.8	1.7			.1										84	84	66	26
4/ 63	.2	3.1	2.6	4.6	1.8	1.3												124	124	128	56
2/ 61	.4	2.9	3.7	2.5	1.	.1												98	98	146	65
/ 59	.8	3.0	3.3	3.3	.8	.2												106	106	125	140
3/ 57	.2	2.4	2.6	1.3	.2													62	62	109	108
5/ 55	1.7	3.3	1.3	.6	.1													66	66	115	126
4/ 53	1.	2.0	.4															32	32	107	140
2/ 51	.1	.3																4	4	39	92
5 / 49			.1															1	1	16	68
3/ 47																				1	34
46/ 45																					29
4/ 43																					6
2/ 41																					11
/ 39																					1
TOTAL	4.9	19.8	20.5	22.8	16.0	8.2	3.4	1.8	1.1	.3	.6	.2	.2						930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5294044	68826	74.0	14.690	930							
Dry Bulb	3964061	60375	64.9	6.925	930			35.3	13.6	2.2		93
Wet Bulb	3330235	55463	59.6	4.927	930			7.8	.1			93
Dew Point	2927753	51939	55.8	5.395	930			2.8				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
JUL — MONTH

ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 97														.0		.0		2	2		
6/ 95													.1	.1	.1	.1	.0	24	24		
4/ 93										.0	.0	.0	.1	.1	.1			24	24		
2/ 91										.0	.1	.1	.1	.1				28	28		
/ 89								.0	.1	.1	.2	.1	.1	.0	.0			50	50		
8/ 87							.0	.1	.3	.2	.3	.2	.1		.0			97	97		
6/ 85						.1	.1	.2	.3	.4	.3	.0	.0					108	108		
4/ 83				.0	.0	.1	.1	.4	.4	.5	.2	.0	.0	.0				131	131		
2/ 81				.0	.1	.3	.4	.8	1.0	.5	.2	.1	.0					253	253		
/ 79				.1	.1	.5	.6	.9	.7	.3	.1							240	240	1	
7/ 77				.1	.3	.7	1.5	1.0	.7	.1	.1							346	346		1
6/ 75	.0	.0	.1	.2	.5	1.0	.9	.6	.2	.1	.0							270	270	23	1
4/ 73		.1	.1	.5	.6	1.2	1.2	.7	.2	.1								332	332	66	1
2/ 71		.1	.4	.5	1.6	1.0	1.2	.3	.1									393	393	120	15
/ 69	.1	.2	1.0	1.1	1.2	1.5	.6	.2	.0									448	448	270	51
6/ 67	.1	.3	1.5	1.2	1.7	.8	.6	.1										472	472	451	82
6/ 65	.2	1.3	1.4	1.7	1.2	.9	.4	.0										529	529	663	159
4/ 63	.3	3.2	2.8	2.8	1.7	1.2	.1											902	902	844	404
2/ 61	.4	2.7	2.8	1.7	.8	.1	.											642	642	991	552
/ 59	.9	3.1	3.1	1.7	.5	.0												695	695	944	1031
8/ 57	.4	3.7	2.0	.8	.1													524	524	677	853
6/ 55	1.1	3.2	1.1	.6	.0													446	446	910	969
4/ 53	1.1	1.5	.8	.1														251	251	691	1050
2/ 51	.3	1.2	.3															134	134	299	769
/ 49	.2	.4	.1															52	52	203	637
8/ 47	.1	.3	.0															33	33	61	39
6/ 45	.1	.1																11	11	22	324
4/ 43	.0																	2	2	3	97
2/ 41																					45
/ 39																					6
8/ 37																					1
4/ 33																					1
TOTAL	5.4	21.3	17.4	13.2	10.5	9.4	7.8	5.5	4.0	2.3	1.4	.5	.5	.4	.2	.1	.0	7439	7439	7439	7439

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.	39066381	520461	70.0	18.886	7439							
Dry Bulb	33656114	495446	66.6	9.412	7439			321.8	190.5	84.0	5.0	744
Wet Bulb	26956233	445917	59.9	5.519	7439			93.1	9.0			744
Dew Point	22957110	411260	55.3	5.449	7439			15.1	.3			744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
AUG — MONTH

0000-0200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible] / 79							.1	.1										2	2		
78/ 77							.6	.3	.1									10	10		
[illegible] 6/ 75						.2	.3	.3										8	8		
74/ 73				.4	.1	.3	.2		.2									12	12		
[illegible] 2/ 71			.9	.6	.5	.9	.2	.1										30	30		
[illegible] / 69			1.5	.6	1.2	.8	.2	.3										43	43	1	
[illegible] / 67		.4	3.4	1.4	1.3	1.0	1.1	.4										84	84	20	1
66/ 65	.3	4.6	2.6	.8	.9	.4	.5											94	94	57	16
64/ 63	1.3	6.7	5.5	2.7	.2	.5												157	157	119	74
62/ 61	.5	6.8	3.4	1.5	.9	.1	.1											124	124	147	82
[illegible] / 59	2.4	7.0	4.7	1.1	.6	.1												148	148	151	158
[illegible] / 57	1.1	4.9	1.6	.9														79	79	133	138
56/ 55	1.7	4.[illegible]	.9	.3														64	64	142	116
54/ 53	.6	2.8	.3	.1														36	36	68	131
[illegible] 2/ 51	.2	1.4	.3															18	18	51	69
50/ 49	.2	.1	.4															7	7	21	53
[illegible] / 47		.3																5	5	8	30
46/ 45	.4	.5																9	9	10	35
[illegible] 4/ 43																				2	22
[illegible] 2/ 41																					[illegible]
TOTAL	.8	39.8	25.6	10.4	5.7	4.3	3.4	1.6	.3									930	930		930
																				930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	6331621	75625	81.3	13.997	930							
Dry Bulb	3613159	57725	62.1	5.699	930			18.9	3.2			93
Wet Bulb	3207143	54451	58.5	4.530	930			2.1				93
Dew Point	2927858	51954	55.9	5.236	930			.1				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 '46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
7-/ 77							.1											1	1		
76/ 75						.1	.1											2	2		
74/ 73							.5	.2										7	7		
72/ 71					.3		.1											4	4		
7 / 69			.5	.2	.2	.3												12	12		
68/ 67		.4	1.1	1.1	1.0	.5	.3											41	41	4	
66/ 65	.4	2.8	1.3	1.0	.3	.5	.4											63	63	16	10
64/ 63	2.8	7.2	3.9	1.8	.6	1.2												163	163	94	56
62/ 61	1.5	7.4	3.0	.8	.6													124	124	118	77
6 / 59	3.5	9.1	2.9	1.4	1.0	.6												173	173	153	132
58/ 57	2.7	5.7	1.1	.9	.2													98	98	150	137
56/ 55	3.1	6.1	1.3	.4														102	102	137	141
54/ 53	3.9	3.2	1.1	.1														59	59	115	124
52/ 51	.8	1.8	.1															25	25	57	79
5 / 49	1.3	1.4	.2															27	27	44	67
48/ 47	.4	.8																11	11	19	39
46/ 45	.4	1.0																13	13	12	44
44/ 43	.2	.3																5	5	8	17
42/ 41																				3	14
4 / 39																					2
TOTAL	19.1	47.3	16.5	7.6	4.3	3.3	1.6	.2										930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7037031	80029	86.1	12.720	930							
Dry Bulb	3322572	55368	59.5	5.312	930			6.7	1.0			93
Wet Bulb	3045951	53149	57.1	4.632	930			.4				93
Dew Point	2847387	51231	55.1	5.210	930							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
AUG — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 77						.1	.1	.1										3	3		
6/ 75					.1	.1	.2											4	4		
4/ 73				.1	.4	.4	.3											12	12		
2/ 71			.5	.4	1.2													20	20		
/ 69			.5	.9	.5	.2	.1											20	20		
/ 67		.1	1.8	1.8	.8	.2	.2											46	46	10	
6/ 65	.2	2.5	2.7	1.[illegible]	.5	.1	.4											69	69	28	6
4/ 63	1.3	8.3	3.2	2.8	.8	.5	.2											159	159	110	52
/ 61	1.3	7.6	3.3	1.0	.9	.2												133	133	128	85
/ 59	2.6	8.5	4.5	2.2	.8	.1												173	173	144	166
/ 57	2.4	5.9	1.4	.6	.1													97	97	150	137
/ 55	1.6	4.8	1.2	.4														75	75	134	127
4/ 53	1.4	2.6	1.7	.1														54	54	101	120
2/ 51	1.[illegible]	2.0	.5	.1														34	34	51	82
/ 49	.6	.9	.1															15	15	47	41
/ 47		.2	.1															3	3	13	52
/ 45	.2	.8																9	9	7	35
4/ 43		.3																3	3	3	15
2/ 41		.1																1	1	3	11
/ 39																				1	1
TOTAL	12.6	44.6	21.7	11.3	6.0	2.0	1.6	.1										930	930	930	930

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.	6704175	78165	84.1	12.034	930							
Dry Bulb	3428947	56239	60.5	5.496	930			10.5	1.9			93
Wet Bulb	3105861	53571	57.6	4.640	930			1.0				93
Dew Point	2877125	51513	55.4	5.062	930							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
AUG — MONTH

0900-1100 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
88/ 87										.1								1	1		
86/ 85								.1		.1								2	2		
84/ 83							.2	.1	.4	.1								8	8		
82/ 81						.3	.3	.6	.8									19	19		
80/ 79						1.0	.6	1.1	.3									28	28		
78/ 77				.1	.8	.9	1.4	1.0	.5	.2								45	45		
76/ 75				.3	1.1	1.9	1.4	.6	.6	.1								57	57		
74/ 73				.9	2.3	1.3	1.1	.8	.1	.1								60	60	1	
72/ 71			.2	.6	4.3	2.0	1.3	.4	.1		.1							85	85	8	
70/ 69		.1	1.6	1.4	2.3	1.8	.3	.3	.1									74	74	33	
68/ 67		.4	3.4	2.8	3.7	1.6	.4											115	115	66	8
66/ 65		2.3	2.7	2.9	1.6	.4	.5	.3										100	100	96	28
64/ 63	.1	3.2	4.0	3.4	1.4	1.4	.1											127	127	157	71
62/ 61	.3	3.9	2.3	1.9	.4	.1	.1											84	84	158	111
60/ 59	.2	1.9	2.2	1.3	1.0													58	58	156	151
58/ 57	.1	1.4	1.3	1.3														32	32	98	143
56/ 55	.6	1.3	.8	.4														26	26	77	116
54/ 53	.1	.6	.1															8	8	42	97
52/ 51			.1															1	1	32	72
50/ 49																				6	47
48/ 47																					29
46/ 45																					38
44/ 43																					9
42/ 41																					4
40/ 39																					4
38/ 37																					1
36/ 33																					1
TOTAL	1.5	14.8	18.3	16.8	18.7	12.8	7.8	5.4	3.0	.8	.1								930		930
																		930		930	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4609094	63940	68.8	15.144	930							
Dry Bulb	4296188	62908	67.6	6.635	930			49.4	22.0	4.5		93
Wet Bulb	3482127	56753	61.0	4.497	930			10.8	.1			93
Dew Point	2976853	52383	56.3	5.325	930			.8				93

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

...AL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 4... | HEIDELBERG AAF DL | 68-70,74-8... | AUG

STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
6/ 95													.1					1	1		
-/ 93											.1							1	1		
-/ 91										.2		.1						3	3		
/ 89									.1	.8	.2	.2						12	12		
8/ 87								.1	.8	1.1	.4		.1					23	23		
6/ 85							.2	.3	.4	1.0	.4							22	22		
4/ 83						.1	.3	1.0	1.4	.4		.1						31	31		
-/ 81				.1		.4	1.0	1.3	1.9	.6	.8	.2	.1					60	60		
/ 79						1.5	1.5	1.4	1.3	1.4	.3	.2						71	71		
7-/ 77					1.0	1.6	3.5	2.3	2.5	.6	.4							111	111		
6/ 75				.1	.9	3.0	2.5	1.1	.2	.1	.1							74	74	1	
4/ 73				1.4	1.1	2.7	2.3	.8	.2	.1								79	79	10	
-/ 71			.3	1.0	2.3	1.9	2.3	.4	.1									77	77	31	1
/ 69			1.2	1.5	1.9	2.3	.4	.5	.2									75	75	77	
/ 67			.6	1.1	2.6	.9	.5											53	53	87	7
6/ 65		1.6	1.9	2.5	1.4	.5	.3											68	68	140	27
4/ 63		1.4	1.5	1.9	1.5	1.5	.2	.2										77	77	145	82
2/ 61		1.4	1.7	1.3	.8	.3												51	51	166	90
/ 59	.1	.6	.5	1.0	.2													23	23	111	158
8/ 57		.6	.1	.1														8	8	62	123
5/ 55	.1	.6	.1															8	8	63	121
4/ 53	.1	.1																2	2	29	90
2/ 51																				7	76
-/ 49																				1	53
8/ 47																					45
6/ 45																					27
4/ 43																					14
2/ 41																					11
/ 39																					3
6/ 37																					1
4/ 35																					1
TOTAL	.3	6.5	7.1	11.9	13.5	16.8	15.1	9.4	9.1	6.3	2.8	.9	.3					930	930		930
																		930		930	

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.	3343013	53835	57.9	15.620	930							
Dry Bulb	4984026	67700	72.8	7.747	930			69.3	48.8	19.0	.2	93
Wet Bulb	3694345	58457	62.9	4.630	930			20.6	1.1			93
Dew Point	2955510	52170	56.1	5.582	930			.8				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
AUG — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95													.2	.1	.2			5	5		
94/ 93										.1		.1		.1				3	3		
92/ 91										.1	.4	.5						10	10		
90/ 89									.3	.1	.8	.6						17	17		
88/ 87								.1	.6	1.0	.5	.3						24	24		
86/ 85							.1	1.2	.8	1.3	.4	.2	.1	.1				39	39		
84/ 83							.4	1.1	.8	1.9	.2	.4		.1				46	46		
82/ 81						.1	1.1	1.9	1.9	.8	.8	.5	.1					67	67		
80/ 79						.9	1.7	2.2	1.8	1.5	.6	.2						83	83		
78/ 77					.4	1.7	2.4	3.3	2.4	1.6	.1							111	111		
76/ 75				.2	.5	2.5	1.7	1.5	1.0	.1								70	70	3	
74/ 73				1.3	1.4	1.7	2.2	1.4	.6		.1							78	78	7	
72/ 71			.3	.8	1.6	1.3	.8	.6										50	50	36	
70/ 69			.6	.8	2.7	2.0	.6	.2										65	65	83	1
68/ 67		.1	1.4	.9	1.8	1.4	.8											59	59	92	7
66/ 65		1.3	1.3	.9	1.2	.3	.4											47	47	140	22
64/ 63		1.4	2.3	2.6	1.1	1.6	.5	.1										87	87	156	75
62/ 61	.3	1.3	.9	.6	.6	.2												34	34	156	109
60/ 59		.4	.6	.3	.4													17	17	107	122
58/ 57		1.1	.1	.1														12	12	70	103
56/ 55		.6																6	6	46	119
54/ 53																				24	129
52/ 51																				9	63
50/ 49																				1	52
48/ 47																					56
46/ 45																					41
44/ 43																					17
42/ 41																					7
40/ 39																					3
38/ 37																					3
36/ 33																					1
TOTAL	.3	5.9	7.0	8.1	11.8	13.8	12.7	13.7	10.2	8.5	4.0	3.0	.4	.4	.2				930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3056013	51023	54.9	16.623	930							
Dry Bulb	5176099	68955	74.1	8.262	930			72.7	55.3	25.4	.8	93
Wet Bulb	3722561	58681	63.1	4.630	930			22.1	1.0			93
Dew Point	2908403	51737	55.6	5.703	930			.8				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF OL — STATION NAME
68-70,74-80 — YEARS
AUG — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
4/ 93												.1	.1					2	2		
/ 91														.1				1	1		
/ 89								.1			.3	.1	.1					6	6		
8/ 87									.2		.2	.3						7	7		
6/ 85							.1	.3	.1	.2	.2	.1						10	10		
4/ 83							.2	.5	.6	.6	.2		.1					22	22		
/ 81						.2	.5	.6	1.2	1.1	.2	.1						37	37		
/ 79						1.2	.9	.8	.8	.1	.3	.2						39	39		
7 / 77					.9	1.6	2.4	1.5	.9	.6	.5							78	78		
6/ 75				.3	1.5	1.5	1.9	1.7	.6	.1	.1							73	73	1	
74/ 73				1.5	1.	2.0	1.6	.5	.3	.1								66	66	2	
72/ 71		.1	.3	1.2	1.2	1.7	2.2	1.2	.1									84	84	15	
/ 69	.1	.3	1.8	1.6	3.1	1.6	1.	.2										91	91	50	3
6/ 67		.1	1.8	1.5	2.5	1.2	.4	.1										71	71	84	7
6/ 65		1.4	2.6	1.8	.5	.4	.4	.1	.1									69	69	110	25
4/ 63	.2	2.5	1.3	3.1	1.6	1.6	.1	.1										103	103	149	93
2/ 61	.2	1.7	2.7	.9	1.1	.4												65	65	154	77
/ 59	.6	2.6	1.7	1.3	.5	.1												64	64	130	145
57		1.0	.3	.4														16	16	101	124
55/ 55	.5	.8	.4	.4	.1													21	21	72	120
4/ 53		.5																5	5	33	94
2/ 51																				22	70
5 / 49																				6	55
48/ 47																				1	45
46/ 45																					39
4/ 43																					14
42/ 41																					12
4 / 39																					5
36/ 37																					1
34/ 33																					1
TOTAL	1.7	11.0	14.0	14.1	14.6	13.7	11.7	7.8	4.9	2.9	2.2	1.0	.3	.1				930	930		930
																		930		930	

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.	4047341	59201	63.7	17.323	930							
Dry Bulb	4593359	64971	69.9	7.652	930			58.7	34.1	10.4	.2	93
Wet Bulb	3553783	57325	61.6	4.673	930			15.2	.3			93
Dew Point	2936378	51976	55.9	5.826	930			1.0				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34.46 STATION | HEIDELBERG AAF DL STATION NAME | 68-79,74-80 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 81						.1						.1						2	2		
/ 79						.2	.2	.1	.2	.1								8	8		
7 / 77					.2	.4	.3	.3										12	12		
6/ 75				.3	.5	.8	1.1	.3		.1								29	29		
4/ 73				1.4	1.1	1.2	.8	.2	.2									45	45		
/ 71			.9	.8	1.5	1.1	.9	.3	.3									53	53	2	
/ 69		.1	2.2	2.4	1.2	1.2	.4	.3	.1									73	73	12	
/ 67	.1	.6	2.7	1.9	2.3	1.1	.6	.2										89	89	40	6
6/ 65	.3	2.7	3.4	3.3	1.0	.8	.4											108	108	70	30
4/ 63	.5	5.3	6.3	4.2	1.5	.8	.1											174	174	127	74
/ 61	.4	3.9	4.4	1.4	.9	.1												103	103	152	64
/ 59	1.0	4.6	3.4	2.0	.5													108	108	166	151
/ 57	.8	2.6	.6	.8	.2													46	46	148	137
5 / 55	.6	1.1	1.3	.4														29	29	99	140
4/ 53	.2	2.6	1.3	.1														36	36	48	94
2/ 51	.1	.4	.4															9	9	41	72
/ 49		.3	.2															5	5	20	48
/ 47			.1															1	1	4	38
/ 45																				1	36
4/ 43																					10
2/ 41																					2
4 / 39																					2
TOTAL	4.1	24.2	26.7	18.7	10.9	7.6	4.8	1.8	.9	.2		.1						930	930	930	930

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.	5526612	70392	75.7	14.399	930							
Dry Bulb	3896617	59946	64.5	5.924	930			31.1	9.6	.9		93
Wet Bulb	3325146	55456	59.6	4.438	930			5.4				93
Dew Point	2953300	52178	56.1	5.273	930			.6				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34-46 STATION | HEIDELBERG AAF GE STATION NAME | 68-70,74-80 YEARS | AUG MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 95													.0	.0	.0			6	6		
94/ 93										.0	.0	.0	.0	.0				6	6		
92/ 91										.0	.1	.1		.0				14	14		
/ 89								.0	.1	.1	.2	.1	.0					35	35		
8/ 87								.0	.2	.3	.1	.1	.0					55	55		
6/ 85							.1	.2	.2	.3	.1	.0	.0	.0				73	73		
4/ 83						.0	.1	.3	.4	.4	.1	.1	.0	.0				107	107		
2/ 81				.0		.1	.4	.6	.7	.3	.2	.1	.0					185	185		
/ 79						.6	.6	.7	.6	.4	.2	.1						231	231		
78/ 77				.0	.4	.8	1.4	1.1	.8	.4	.1							371	371		
6/ 75				.2	.6	1.3	1.2	.7	.3	.1	.0							317	317	5	
74/ 73				.3	.9	1.2	1.1	.5	.2	.0	.0							359	359	20	
2/ 71		.0	.5	.7	1.7	1.1	1.1	.4	.1		.0							403	403	92	1
/ 69	.0	.1	1.2	1.2	1.6	1.3	.4	.2	.1									453	453	256	4
68/ 67	.1	.3	2.0	1.6	2.0	1.0	.6	.1										558	558	403	36
66/ 65	.2	2.4	2.2	1.7	.9	.4	.4	.1	.1									618	618	657	164
64/ 63	.8	4.5	3.5	2.8	1.1	1.1	.2	.1										1047	1047	1057	577
62/ 61	.6	4.2	2.7	1.2	.8	.2	.1											718	718	1179	715
/ 59	1.3	4.4	2.6	1.3	.6	.1												764	764	1118	1183
58/ 57	.9	2.9	.8	.6	.1													388	388	912	1042
56/ 55	1.0	2.4	.7	.3	.1													331	331	770	1000
54/ 53	.6	1.6	.5	.1														200	200	460	879
52/ 51	.3	.7	.2	.1														87	87	270	574
50/ 49	.3	.3	.1															54	54	146	416
48/ 47	.1	.2	.0															20	20	45	334
46/ 45	.1	.3																31	31	30	295
44/ 43	.1	.1																8	8	13	118
42/ 41		.1																1	1	6	72
40/ 39																				1	2
38/ 37																					6
36/ 35																					1
34/ 33																					3
TOTAL	6.1	24.3	17.1	12.4	10.7	9.3	7.4	5.0	3.6	2.3	1.1	.6	.1	.1	.0			7440	7440	7440	7440

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.	40648900	532210	71.5	18.616	7440							
Dry Bulb	33310960	493812	66.4	8.484	7440			317.3	175.9	60.2	1.2	744
Wet Bulb	27136917	447743	60.2	5.074	7440			77.6	2.5			744
Dew Point	23382814	415142	55.8	5.419	7440			4.1				744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible]/ 75							.1											1	1		
[illegible]/ 73					.1	.1												2	2		
[illegible]/ 71				.1	.1													2	2		
[illegible]/ 69			.2	.4		.1												7	7		
6[illegible]/ 67			.8	.8	.6	.4												23	23		
[illegible]/ 65		1.2	1.1	1.0	.3													33	33	10	1
4/ 63	.6	2.6	1.7	1.1	.4	.2												59	59	35	18
[illegible]/ 61	.9	3.8	3.0	1.3	.6	.1												87	87	58	3[illegible]
/ 59	1.9	7.3	4.1	2.8	.8	.2												154	154	87	80
[illegible]/ 57	2.2	8.2	2.7	.7	.2	.1												127	127	127	94
5[illegible]/ 55	1.3	6.6	1.4	1.3	.1													97	97	133	105
4/ 53	2.1	6.1	1.6	.1														89	89	125	133
[illegible]2/ 51	1.9	4.7	1.2															70	70	101	112
5[illegible]/ 49	2.1	4.7	.9	.1														70	70	100	103
[illegible]/ 47	1.1	2.7	.9	.2														44	44	64	86
4[illegible]/ 45	.8	2.3	.2															30	30	40	72
[illegible]4/ 43	.1	.4																5	5	16	31
[illegible]2/ 41																				4	23
4[illegible]/ 39																					0
[illegible]/ 35																					3
TOTAL	15.	50.6	19.8	10.0	3.2	1.3	.1											900		900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	675788[illegible]	77416	86.0	10.479	900							
Dry Bulb	2914946	50968	56.6	5.638	900			3.5	.3			90
Wet Bulb	2674598	48854	54.3	5.024	900							90
Dew Point	2491637	47115	52.4	5.291	900							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | HEIDELBERG AAF GL STATION NAME | 68-70,74-80 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
[illegible] / 69				.2					.1									3	3		
68/ 67				.4														4	4		
[illegible] 6/ 65		.6	.2	.4	.2													13	13	3	
64/ 63	.6	1.9	2.0	.7	.1	.1												48	48	17	10
[illegible] 2/ 61	1.1	3.3	1.8	.4	.1													61	61	31	22
[illegible] / 59	2.1	6.9	2.2	1.7	.6													121	121	82	54
[illegible] 7/ 57	2.3	6.4	2.9	1.[illegible]	.2	.1												117	117	104	97
56/ 55	2.[illegible]	6.3	1.8	1.0	.4													104	104	112	84
[illegible] 4/ 53	3.1	6.9	1.7	.6														110	110	130	101
[illegible] 2/ 51	3.1	6.0	.3	.1														86	86	114	125
5 / 49	3.1	5.6	.6															83	83	109	119
[illegible]/ 47	1.7	4.6	.2															58	58	84	81
[illegible] / 45	2.6	2.3	1.3															56	56	58	111
[illegible] 4/ 43	1.7	1.0																24	24	35	49
[illegible] 2/ 41	.6	.6																10	10	16	27
4[illegible]/ 39	.2																	2	2	5	20
TOTAL	24.1	52.3	15.0	6.6	1.7	.2			.1									900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7232522	80208	89.1	9.688	900							
Dry Bulb	2703998	49072	54.5	5.618	900			.7				90
Wet Bulb	2526292	47474	52.7	5.177	900							90
Dew Point	2392597	46153	51.3	5.359	900							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 67			.2	.2	.1													5	5		
6/ 65		.2	.7	.3	.1													12	12	2	
[illegible]4/ 63	.4	2.4	1.8	1.1	.2													54	54	14	7
2/ 61	1.1	2.6	1.9	.4	.1													55	55	43	27
/ 59	3.[illegible]	8.4	2.9	1.1	.6													144	144	82	66
/ 57	1.6	6.4	2.3	.9	.1													102	102	104	77
5[illegible]/ 55	1.8	7.2	1.7	.8	.1													104	104	106	102
4/ 53	3.2	5.9	1.6	.2														98	98	132	103
[illegible]/ 51	2.7	6.3	1.8	.6														102	102	110	128
[illegible] / 49	[illegible].3	4.7	.9	.1														81	81	113	112
[illegible]/ 47	2.[illegible]	3.7	.7															57	57	85	76
4[illegible]/ 45	1.8	2.6	.9															47	47	49	93
[illegible]4/ 43	1.7	.1																16	16	34	48
[illegible]2/ 41	1.2	.9																19	19	15	41
4 / 39	.3																	3	3	8	17
3[illegible]/ 37	.1																	1	1	1	3
TOTAL	24.2	51.4	17.2	5.8	1.[illegible]														900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7198494	80052	88.9	9.323	900							
Dry Bulb	2708801	49113	54.6	5.651	900			.5				90
Wet Bulb	2534310	47526	52.8	5.232	900							90
Dew Point	2394609	46167	51.3	5.419	900							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
82/ 81							.1											1	1		
79/ 77					.1	.3												4	4		
76/ 75					.1	.8	.1	.1										10	10		
74/ 73				.3	.8	.2	.3											15	15		
72/ 71				.6	2.3	1.0	.2											37	37		
70/ 69			.6	1.6	1.4	1.7												47	47	2	
68/ 67			1.1	2.1	2.2	.8	.1											57	57	8	
66/ 65		.8	2.6	3.0	1.3	.3	.2											74	74	31	1
64/ 63		2.3	3.1	4.2	1.9	1.7	.1											120	120	67	15
62/ 61	.3	2.8	4.6	3.1	2.1													116	116	119	51
60/ 59	.7	5.4	5.4	3.9	1.4	.2	.2											156	156	122	92
58/ 57	.4	2.6	3.6	1.3	.6	.2												78	78	136	129
56/ 55	.4	2.2	2.2	2.0	.4													66	66	127	106
54/ 53	.3	2.3	2.1	1.1														53	53	100	118
52/ 51	.4	.6	1.8	.2	.1													28	28	75	102
50/ 49	.8	1.3	.8	.3														29	29	58	108
48/ 47	.2	.4	.3															9	9	43	46
46/ 45																				10	68
44/ 43																				2	35
42/ 41																					19
40/ 39																					4
38/ 37																					6
TOTAL	3.7	20.8	28.1	23.8	14.9	7.2	1.4	.1										900	900	900	900

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5234669	67791	75.3	11.952	900							
Dry Bulb	3415303	55179	61.3	5.992	900			17.1	3.0	.1		90
Wet Bulb	2918606	51062	56.7	4.899	900			1.0				90
Dew Point	2567309	47823	53.1	5.394	900							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
SEP — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
86/ 85								.1		.1								2	2		
88/ 81				.1		.1	.8	1.2	.4									24	24		
8 / 79						.4	1.0	.8	.7									26	26		
7 / 77			.1		.4	1.4	1.6	1.2	.1									44	44		
76/ 75				.2	.4	2.0	2.9	1.0	.2									61	61	1	
74/ 73				.2	1.6	3.0	2.4	.7										71	71	1	1
7 / 71				.4	2.8	2.6	1.9	.3	.1									73	73	4	1
/ 69			.3	1.8	2.4	2.3	1.3	.4										78	78	20	
68/ 67			.6	2.7	2.6	1.6	1.8	.1										83	83	42	
66/ 65		.7	1.1	1.7	2.1	1.7	1.3	.1										78	78	69	7
64/ 63		.6	.8	2.9	3.6	3.2	.6	.1										105	105	140	26
62/ 61	.1	.3	2.0	2.8	2.2	.6	.2											74	74	115	53
/ 59	.7	1.3	2.1	2.2	1.1	.7	.3											76	76	108	127
58/ 57	.1	1.2	1.2	1.3	1.2	.1												44	44	111	93
56/ 55	.2	.4	.2	1.0	.4													21	21	107	109
54/ 53		.4	1.1	1.3														23	23	82	115
52/ 51		.3	.8	.2	.1													13	13	35	75
5 / 49	.3	.1																4	4	42	82
48/ 47																				21	64
46/ 45																				2	75
44/ 43																					27
42/ 41																					32
40/ 39																					6
38/ 37																					6
36/ 35																					1
TOTAL	1.4	5.4	10.3	18.2	21.0	19.7	16.1	6.1	1.6	.1									900		900
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3691899	56431	62.7	13.072	900							
Dry Bulb	4087189	60303	67.0	7.206	900			46.2	22.8	3.5		9
Wet Bulb	3176347	53252	59.2	5.324	900			6.8	.2			9
Dew Point	2589804	47980	53.3	5.960	900			.2	.1			9

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

3[illegible]46 STATION | HEIDELBERG AAF GE STATION NAME | 68-70,74-8[illegible] YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
6/ 85									.2									2	2		
[illegible]4/ 83							.1	.2		.2								5	5		
[illegible]2/ 81						.1	1.6	1.6	.7	.4								39	39		
/ 79					.2	.6	.9	1.2	.6	.2								33	33		
7[illegible]/ 77					.8	.9	.9	1.7	.2	.1								41	41		
[illegible]6/ 75					.9	3.3	4.7	1.0	.1									90	90		
[illegible]4/ 73			.1	.7	.6	2.9	2.7	.8	.2									71	71		
[illegible]2/ 71			.1	.4	3.4	1.7	2.2	.4	.2									75	75	8	
[illegible]/ 69			.2	1.6	2.0	1.7	1.1	.3	.2									64	64	30	
[illegible]/ 67			.9	1.7	1.4	4.0	.2	.6										79	79	51	3
[illegible]6/ 65		.6	.8	.9	2.9	2.3	2.2	.3										90	90	86	14
[illegible]4/ 63	.2	.9	1.7	3.4	2.4	2.4	.3	.2										105	105	150	36
[illegible]2/ 61	.1	.4	2.4	1.4	.8	.6	.2	.1										55	55	101	62
[illegible]0/ 59	.2	.9	1.1	2.2	1.1	.9	.1											59	59	90	111
[illegible]8/ 57		1.2	1.2	.8	.2													31	31	146	80
56/ 55		1.1	.3	.8	.3													23	23	84	110
[illegible]4/ 53		.4	.9	.6	.1	.1												19	19	67	111
[illegible]2/ 51		.1	.4	.2	.1													8	8	32	100
5[illegible]/ 49	.3	.1	.2															6	6	32	98
[illegible]3/ 47		.4																4	4	16	41
46/ 45																				6	64
[illegible]4/ 43																					26
[illegible]2/ 41																					24
4 / 39																					13
3[illegible]/ 37																					4
34/ 33																					1
[illegible]2/ 31																					1
TOTAL	.9	6.2	10.5	14.7	17.4	21.5	17.0	8.5	2.4	1.0									899		899
																		899		899	

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.	3582977	55363	61.6	13.902	899							
Dry Bulb	4208066	61134	68.0	7.523	899			50.0	28.1	5.4		90
Wet Bulb	3234981	53711	59.7	5.381	899			8.9				90
Dew Point	2620732	48232	53.7	6.067	899		.1	.3				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | SEP (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-0/ 81								.2	.1									3	3		
-/ 79						.1	.1											2	2		
7 / 77					.6	.4	.8	.1	.1									18	18		
6/ 75					.6	1.2	1.1	.2										28	28		
4/ 73				.4	.8	.8	.2	.1										21	21		
2/ 71			.2	1.0	2.9	1.4	.7	.1										57	57	1	
/ 69			1.1	2.3	1.9	1.2	.6											64	64	5	
0/ 67			1.6	1.8	2.1	1.0	.3	.1										62	62	23	
6/ 65		.4	2.1	3.2	1.6	1.0	.2											77	77	58	5
4/ 63	.6	2.0	3.1	4.9	2.6	1.4	.1	.2										134	134	91	28
2/ 61	.1	2.4	4.3	2.2	1.2	.4	.2											99	99	117	63
/ 59	.6	2.4	4.1	3.8	1.2	.2	.1											112	112	120	117
0/ 57	.2	2.0	2.6	1.4	.7	.1												63	63	118	108
58/ 55	.1	3.4	2.0	1.0	.2													61	61	113	104
4/ 53	.3	2.2	1.2	.4														38	38	95	111
2/ 51	.4	.9	1.0	.7	.2													29	29	64	11
0/ 49	.4	.3	.9	.2														17	17	46	82
48/ 47	.3	1.0	.1															13	13	33	59
46/ 45		.1																1	1	13	52
4/ 43		.1																1	1	3	30
2/ 41																					21
0/ 39																					4
38/ 37																					4
6/ 35																					1
34/ 33																					1
TOTAL	3.1	17.4	24.3	23.4	16.4	9.4	4.4	1.1	.2									900		900	
																		900		900	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4966754	65810	73.1	13.113	900							
Dry Bulb	3594586	56548	62.8	6.803	900			25.5	7.2	.4		93
Wet Bulb	3.14560	51872	57.6	5.262	900			2.9				93
Dew Point	2620471	48299	53.7	5.628	900							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF GL — STATION NAME
68-70,74-80 — YEARS
SEP — MONTH

2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
78/ 77							.1											1	1		
6/ 75							.3											3	3		
4/ 73				.1	.3													4	4		
2/ 71				.6	.3	.1	.1											10	10		
0/ 69			.4	1.1	1.0	.4												27	27		
68/ 67			1.6	1.4	1.7	.1												43	43	4	
6/ 65		1.0	1.2	2.2	.7	.4												50	50	14	2
4/ 63	.1	2.7	3.1	3.3	1.2	.4												95	95	46	10
2/ 61	.8	3.6	4.0	2.2	.8	.3												105	105	87	44
0/ 59	1.1	6.9	5.3	1.7	.9													143	143	103	80
58/ 57	.6	6.2	2.1	.9	.3													91	91	140	105
56/ 55	.4	5.3	3.7	1.1	.3													98	98	130	103
54/ 53	.8	6.0	2.7	.2														87	87	103	138
52/ 51	.8	3.3	1.1	.6														52	52	113	114
50/ 49	.8	2.2	.8	.4														38	38	66	105
48/ 47	.8	2.0	1.3	.1	.1													39	39	47	59
46/ 45	.2	1.0																11	11	34	75
44/ 43																				9	25
42/ 41		.2																2	2	1	29
40/ 39	.1																	1	1	3	9
36/ 35																					1
34/ 33																					1
TOTAL	6.4	40.4	27.3	15.7	7.7	1.9	.6											900	900	900	900

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6066435	73225	81.4	10.999	900							
Dry Bulb	3118961	52707	58.6	5.985	900			8.8	.8			9C
Wet Bulb	2775084	49766	55.3	5.085	900			.4				9C
Dew Point	2523223	47411	52.7	5.343	900							9C

FORM AM 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

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | SEP MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
6/ 85								.0	.0	.0								4	4		
4/ 83							.0	.0		.0								5	5		
2/ 81				.0		.0	.3	.4	.2	.1								67	67		
/ 79					.2	.1	.3	.3	.2	.0								61	61		
7 / 77			.0		.2	.4	.4	.4	.1	.0								108	108		
6/ 75				.0	.3	.9	1.2	.3	.0									193	193	1	
4/ 73			.0	.2	.5	.9	.7	.2	.0									184	184	1	1
2/ 71			.0	.4	1.5	.8	.6	.1	.0									254	254	13	1
/ 69			.4	1.1	1.1	.9	.4	.1	.0									290	290	57	
8/ 67			.8	1.4	1.3	1.0	.3	.1										356	356	128	3
6/ 65		.7	1.2	1.6	1.2	.7	.5	.1										427	427	273	30
4/ 63	.3	1.9	2.2	2.7	1.6	1.2	.1	.1										720	720	560	150
2/ 61	.6	2.4	3.0	1.8	1.0	.3	.1	.0										652	652	671	352
/ 59	1.3	5.0	3.4	2.4	1.0	.3	.1											965	965	794	727
8/ 57	.9	4.3	2.3	1.3	.4	.1												653	653	986	783
6/ 55	.8	4.1	1.7	1.1	.3													574	574	914	823
4/ 53	1.2	3.8	1.6	.5	.1	.0												517	517	834	93
2/ 51	1.2	2.8	1.1	.3	.1													388	388	644	866
0/ 49	1.4	2.4	.6	.2														328	328	566	809
8/ 47	.8	1.8	.4	.3	.0													224	224	393	512
46/ 45	.7	1.0	.3															145	145	212	610
4/ 43	.4	.2																46	46	99	271
2/ 41	.2	.2																31	31	36	216
0/ 39	.1																	6	6	16	82
36/ 37	.1																	1	1	1	23
34/ 35																					6
34/ 33																					3
2/ 31																					1
TOTAL	9.9	30.6	19.1	14.8	10.4	7.7	5.0	2.0	.5	.1								7199	7199		7199
																		7199		7199	

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.	44731630	556296	77.3	15.567	7199							
Dry Bulb	26751790	435124	60.4	8.029	7199			152.2	62.2	9.4		72
Wet Bulb	22856761	403517	56.1	5.761	7199			20.0	.2			72
Dew Point	20200382	379180	52.7	5.634	7199		.1	.5	.1			72

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | OCT MONTH

 0000-0260 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 73									.1									1	1		
2/ 71							.1	.1										2	2		
6/ 65					.3													3	3		
4/ 63			.2	.3	.2													7	7		
2/ 61		1.2	.6	.2	.1													18	18		
/ 59	.2	2.2	1.1	.1														33	33	19	5
/ 57	.5	3.7	.6	.9														53	53	44	26
5 / 55	1.7	3.8	1.3	.8														70	70	56	53
4/ 53	2.6	3.0	2.2	.3														75	75	68	72
2/ 51	1.3	3.0	1.6	.3														58	58	62	52
/ 49	3.1	4.6	2.3	.2														95	95	05	61
/ 47	2.8	6.6	1.9	.3														108	109	100	85
0/ 45	6.0	7.4	1.4	.4														142	143	149	147
4/ 43	4.3	5.1	.9	.3														98	98	123	122
2/ 41	4.8	4.5	1.1	.1														98	98	99	132
/ 39	3.3	.8																38	38	71	86
8/ 37	1.2	1.0																20	20	26	32
/ 35	.5	.2																7	7	13	35
4/ 33	.2																	2	2	3	12
2/ 31																					5
/ 29																					1
/ 27																					2
TOTAL	32.8	46.8	15.2	4.3	.6		.1	.1	.1									928	930	928	928

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7572017	83303	89.8	10.082	928							
Dry Bulb	2228743	45153	48.6	6.267	930			.3	.1			93
Wet Bulb	2083887	43653	47.0	5.732	928							93
Dew Point	1958005	42269	45.5	5.941	928		.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-8? (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 71								.1										1	1		
/ 69							.1											1	1		
4/ 63				.1		.1												2	2		
2/ 61			.3	.1														4	4		
/ 59	.1	1.8	.6															24	24	5	4
/ 57	.5	3.0	.3	.1														37	37	30	16
5 / 55	1.4	3.5	1.1	.3														58	58	55	45
4/ 53	2.5	3.2	1.7															67	67	54	61
2/ 51	2.3	3.8	1.9	.3	.1													78	78	70	47
5 / 49	4.0	3.0	1.5	.3														82	82	87	91
/ 47	3.7	3.9	1.1	.2														76	76	81	62
46/ 45	6.6	9.4	1.2	.1														160	162	149	137
4/ 43	7.4	4.1	1.1	.2														115	116	139	139
2/ 41	6.3	4.9	1.3	.3														118	118	98	131
/ 39	3.5	1.6	.3															50	50	73	77
3 / 37	2.2	.9																28	28	48	52
/ 35	1.3	.4																13	13	21	30
34/ 33	.9																	8	8	12	17
2/ 31	.5																	5	5	5	18
/ 29																					2
2/ 27																					4
TOTAL	41.6	43.3	12.5	2.2	.1	.1	.1	.1											930		927
																		927		927	

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.	7910152	85192	91.9	9.349	927							
Dry Bulb	2096564	43786	47.1	6.142	930		.5	.2				93
Wet Bulb	1985382	42562	45.9	5.805	927		.5					93
Dew Point	1896421	41485	44.8	6.050	927		2.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
OCT — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 63				.1														1	1		
[illegible]/ 61		.1	.4	.2														7	7		
[illegible]/ 59		1.4	1.2	.1														25	25	2	1
[illegible]/ 57	1.4	2.[illegible]	.6	.1														39	39	32	2[illegible]
5[illegible]/ 55	1.[illegible]	3.9	.8	.1														53	53	43	29
4/ 53	2.6	3.1	.9	.1														62	62	71	66
[illegible]/ 51	2.4	3.3	1.3	.1	.1													67	67	64	60
[illegible]/ 49	3.8	2.8	.9	.2														71	71	79	7[illegible]
[illegible]/ 47	3.5	4.4	1.2	.2														86	86	77	75
[illegible]/ 45	6.5	9.6	1.6	.1														165	166	136	125
[illegible]/ 43	6.[illegible]	5.5	.1															108	110	147	117
[illegible]/ 41	7.8	4.3	1.2	.4														127	127	126	161
[illegible]/ 39	[illegible].9	2.2	.6	.1														54	54	50	65
3[illegible]/ 37	2.5	.6																29	29	50	46
[illegible]/ 35	[illegible].[illegible]	.9																17	17	26	27
3[illegible]/ 33	.9																	8	8	16	14
[illegible]/ 31	.9																	8	8	8	21
[illegible]/ 29																					5
[illegible]/ 27																					1
[illegible]/ 25																					4
TOTAL	42.9	44.2	1[illegible].8	1.9	.1													927	930	927	927

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.	7284475	85659	92.4	8.644	927							
Dry Bulb	2069776	43502	46.8	6.130	930		.8					9[illegible]
Wet Bulb	1969015	42373	45.7	5.893	927		.8					93
Dew Point	1881011	41367	44.6	6.150	927		3.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMA

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
OCT — MONTH

0900-11 — HOURS (L. S.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew
4/ 73								.1	.1									2	2		
2/ 71								.1										1	1		
/ 69				.2	.1	.3												6	6		
4/ 67				.4	.3	.2												9	9		
0/ 65			.1	.5	.9	.2												15	15		
4/ 63			.6	1.7	.5													27	27	3	
1/ 61		.2	2.2	.3	.3													31	31	11	
/ 59	.6	1.4	1.8	1.2	.8	.1												55	55	39	
/ 57	.3	4.1	1.4	1.3	.3	.1												67	67	60	
5/ 55	.5	3.0	2.0	1.1	.1													63	63	73	
4/ 53	.8	2.5	2.8	1.5	.4													74	74	56	
2/ 51	1.0	4.2	3.0	.8	.2													85	85	71	
/ 49	1.6	3.8	4.5	.6	.1													99	100	106	
4/ 47	1.2	4.3	3.1	.4	.3	.1												97	97	111	
0/ 45	3.6	7.6	1.2	.5	.1	.1												121	123	144	1
4/ 43	2.9	4.1	1.0	.1	.1													76	76	111	1
2/ 41	1.9	3.0	.3		.1													50	50	63	1
/ 39	1.7	1.3	.1															29	29	42	
8/ 37	.8	.6																13	13	22	
2/ 35	.6																	6	6	13	
34/ 33	.1																	1	1	2	
2/ 31																					
0/ 27																					
2/ 25																					
/ 23																					
2/ 21																					
TOTAL	1.7	4.1	24.2	10.9	4.6	1.2		.2	.1									927	930	927	

	Σ_x	Σ_x^2	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
	1	73	84.3	12.462	927							
	47	5	7.376		930			1.8	.2			
	44	4	6.731		927							
	4	4	6.208		927		.7					

AF 3150 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
OCT — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 79								.1	.2									3	3		
7 / 77								.1	.1									2	2		
6/ 75						.1	.9	.2										11	11		
4/ 73					.1	.4	.8											12	12		
2/ 71					.3	.5	1.0											17	17		
/ 69				.2	.5	.9	.2											17	17		
/ 67				.3	1.6	.6												24	24		
6/ 65			.1	.8	1.6	.6	.4											33	33	4	
4/ 63		.1	.4	2.2	1.9	1.1	.4											57	57	21	
2/ 61		.8	1.8	1.5	1.4	.2												53	53	38	1
/ 59	.4	.9	1.6	2.9	2.3	.8	.4											86	86	61	19
6/ 57	.2	1.9	1.6	2.7	1.7	.6												82	82	67	29
56/ 55	.2	2.	2.5	3.1	1.3	.2												86	86	74	59
4/ 53	.5	2.3	3.4	3.1	1.3	.4												103	105	79	94
2/ 51	.1	2.4	4.3	1.1	.6	.1	.2											79	79	108	56
0 / 49	.2	1.9	3.7	.5	.4	.3	.1											67	67	122	90
46/ 47	.5	4.4	1.7	.4	.1													67	67	120	93
4 /45	.9	4.7	.9	.3														63	63	100	134
4/ 43	.3	3.	.3															34	34	78	109
2/ 41	.6	1.7	.3															25	25	35	136
/ 39	.4	.3																7	7	15	46
34/ 37																				6	29
26/ 35																					19
34/ 33																					9
2/ 31																					3
/ 29																					1
9/ 27																					5
4/ 23																					1
TOTAL	4.5	26.5	22.4	19.1	15.3	7.0	4.4	.4	.3									928	930	928	928

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	5241807	68411	73.7	14.638	928
Dry Bulb	2924962	51644	55.5	7.841	930
Wet Bulb	2436493	47249	50.9	5.950	928
Dew Point	2060175	43355	46.7	6.117	928

Mean No. of Hours with Temperature						
≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
		8.6	2.8			93
						93
	.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 81									.4									4	4		
/ 79								.1	.1									2	2		
7 / 77								.4	.1									5	5		
6/ 75						.3	.5	.1										9	9		
4/ 73						.9	.4	.3										15	15		
/ 71					.6	.3	1.0											19	19		
/ 69				.3	.3	1.1	.3											19	19		
/ 67					1.2	1.1	.3	.1										25	25		
6/ 65			.3	1.5	1.2	.5	.4											37	37	10	
4/ 63		.6	1.0	3.4	2.2	1.2												78	78	29	
/ 61		.5	1.3	1.9	1.2	.5	.1											52	52	36	1
/ 59		1.0	1.5	2.6	1.6	1.3												74	74	65	30
/ 57		1.8	1.7	2.9	1.9	.5												83	83	80	21
5 / 55	.4	1.4	1.8	2.6	2.2	.2	.1											81	81	74	71
4/ 53	.5	2.4	3.1	1.6	1.4	.1												85	85	77	66
2/ 51	.5	1.8	4.5	1.1	.6	.2	.1											83	83	99	75
/ 49	.3	3.3	4.2	.8	.5	.2												87	87	113	99
/ 47	1.1	1.5	2.8	.4	.2													55	55	136	80
/ 45	1.1	4.1	1.1	.3														60	60	93	135
4/ 43	.4	2.5	.2															29	29	58	92
2/ 41	.2	2.3																23	23	41	127
/ 39		.5																5	5	12	51
3 / 37																				5	28
/ 35																					15
3 / 33																					9
2/ 31																					6
/ 27																					4
TOTAL	4.4	23.8	23.5	19.5	15.3	8.5	3.3	1.1	.6									930	930		930
																		930		930	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.	5172039	68011	73.1	14.613	930							
Dry Bulb	2993844	52224	56.2	8.117	930			9.8	3.5	.4		93
Wet Bulb	2489193	47777	51.4	6.115	930							93
Dew Point	2098599	43801	47.1	6.196	930		1.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 '46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
7 / 77									.1									1	1		
6/ 75							.1	.1										2	2		
4/ 73							.1	.1										2	2		
/ 71						.1	.1											2	2		
/ 69				.3	.3	.1												7	7		
/ 67				.2	.5													7	7		
6/ 65			.1	.9	.6													15	15		
4/ 63		.1	1.1	1.8	.6	.1												35	35	8	
/ 61		.9	2.7	1.5	.3													50	50	18	
/ 59	.1	1.6	3.0	1.3	.9													64	64	44	16
/ 57	.3	3.4	1.7	1.4	.1													65	65	56	41
5 / 55	.1	2.9	2.4	1.1	.1													61	61	76	47
4/ 53	.9	4.0	3.5	1.2	.5	.1												95	95	72	84
2/ 51	1.	2.4	4.2	1.1	.3													83	83	85	71
5 / 49	1.1	5.6	3.7	1.1	.3													109	109	96	76
/ 47	1.7	5.1	2.6	.8	.9													102	102	135	87
/ 45	3.2	5.3	1.5	.2	.1													96	96	141	149
4/ 43	2.4	4.1	.3	.1														64	64	89	118
2/ 41	1.5	4.	.6															57	57	73	122
/ 39	.4	.5																9	9	24	61
4/ 37	.1	.2																3	3	10	22
/ 35																				2	13
4/ 33	.1																	1	1	1	13
2/ 31																					13
/ 29																					1
6/ 27																					2
TOTAL	12.9	40.0	27.4	12.9	5.7	.4	.3	.2	.1									930	930	930	93

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.	6493966	76926	82.7	11.872	930							
Dry Bulb	2560780	48378	52.0	6.897	930			2.1	.5			93
Wet Bulb	2288355	45811	49.3	5.846	930							93
Dew Point	2058812	43398	46.7	6.020	930		1.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
OCT — MONTH

2100-2300 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
74/ 73									.2									2	2		
72/ 71								.1										1	1		
68/ 67				.4	.1													5	5		
66/ 65			.1	.4	.3	.1												9	9		
64/ 63		.2	.8	1.0	.1	.1												20	20	3	
62/ 61		.9	1.5															22	22	7	
60/ 59	.1	2.4	1.4	.2	.2													40	40	27	10
58/ 57	.1	3.4	1.8	.8														57	57	47	25
56/ 55	1.2	4.7	1.0	.5														69	69	71	49
54/ 53	.8	3.6	3.2	.4														69	69	63	76
52/ 51	.9	3.8	2.3	.4														68	68	66	51
50/ 49	2.5	5.7	2.9	1.2	.1													115	115	94	83
48/ 47	3.1	5.9	1.6	.1	.2													102	102	119	88
46/ 45	4.5	8.3	1.9	.8	.3													147	147	143	157
44/ 43	2.8	3.8	.6															67	67	107	111
42/ 41	3.1	5.9	.8															91	91	95	117
40/ 39	2.3	1.7																37	37	59	86
38/ 37	.2	.1																3	3	22	37
36/ 35	.1	.3																4	4	4	18
34/ 33	.1																	1	1	2	12
32/ 31	.1																	1	1	1	7
28/ 27																					3
TOTAL	21.8	50.1	19.9	6.2	1.4	.2		.1	.2									930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7197257	81221	87.3	10.571	930							
Dry Bulb	2336335	46209	49.7	6.590	930		.1	.8	.2			93
Wet Bulb	2152464	44411	47.8	5.849	930		.1					93
Dew Point	1993052	42694	45.9	5.967	930		1.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 81									.1									4	4		
[illegible] / 79								.0	.0									5	5		
78 / 77								.1	.0									8	8		
76 / 75						.1	.2	.1										22	22		
74 / 73					.3	.2	.2	.1	.1									34	34		
72 / 71					.1	.1	.3	.1										43	43		
70 / 69				.1	.2	.3	.1											50	50		
68 / 67				.2	.5	.2	.0	.0										70	70		
66 / 65			.1	.5	.6	.2	.1											112	112	14	
64 / 63		.1	.5	1.3	.7	.3	.1											227	227	64	
62 / 61		.5	1.3	.8	.4	.1	.0											237	237	112	2
[illegible] / 59	.2	1.6	1.5	1.1	.7	.3	.1											401	401	262	96
58 / 57	.4	2.9	1.2	1.2	.5	.2												483	483	416	193
56 / 55	.8	3.2	1.6	1.2	.5	.1	.0											541	541	522	408
54 / 53	1.4	2.9	2.6	1.1	.5	.1												630	632	540	618
52 / 51	1.2	3.1	2.9	.6	.3	.0	.0											601	601	625	462
50 / 49	2.1	3.9	2.9	.6	.2	.1	.0											725	726	792	653
48 / 47	2.2	4.5	2.1	.4	.2	.0												693	694	879	659
46 / 45	4.1	7.0	1.3	.4	.1	.0												954	960	1055	1128
44 / 43	3.3	4.1	.6	.1	.1													591	594	852	914
42 / 41	3.3	3.8	.7	.1	.1													589	589	630	1064
40 / 39	1.8	1.1	.1	.1														229	229	346	558
38 / 37	.9	.4																96	96	189	272
36 / 35	.4	.2																47	47	79	189
34 / 33	.3																	21	21	36	99
32 / 31	.2																	14	14	14	70
30 / 29																					10
28 / 27																					23
26 / 25																					6
24 / 23																					2
22 / 21																					1
TOTAL	22.4	39.3	19.5	9.6	5.4	2.2	1.0	.3	.2										7440		7427
																		7427		7427	

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.	54284806	626760	84.4	13.696	7427							
Dry Bulb	19661481	378179	50.8	7.677	7440		1.4	23.6	7.3	.4		744
Wet Bulb	17607327	358653	48.3	6.226	7427		1.4					744
Dew Point	15933799	340973	45.9	6.138	7427		11.2					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
7 / 69							.1												1	1		
6 / 67						.1		.1											2	2		
2/ 61				.1	.1														2	2		
/ 59		.1	.6	.3															9	9		
9 / 57		.4	.6	.7	.2														17	17	6	
5 / 55	.1	.3	.3	.8	.1														15	15	11	4
4/ 53	.1	1.3	1.3	.2	.6														32	32	13	11
2/ 51		1.3	1.7	.7	.1														34	34	22	11
9 / 49	1.1	2.3	1.3	1.1	.1														53	53	43	23
/ 47	.8	2.6	1.3	.2															44	44	54	32
4 / 45	1.6	5.	1.6	.1															74	74	70	62
4/ 43	2.7	7.2	1.6	.1	.2														100	100	1 3	67
2/ 41	4.3	8.8	2.9																141	141	115	123
/ 39	2.7	6.8	.6																90	90	99	117
3 / 37	1.7	3.3	.3																57	57	1 4	100
/ 35	3.6	3.7	.3	.4															72	72	68	101
34/ 33	1.8	2.4	.3	.1															60	60	75	74
2/ 31	2.8	2.	.2																45	45	51	66
/ 29	1.2	1.1	.3																24	24	29	40
/ 27	1.1	1.3																	21	21	24	28
/ 25	.3																		3	3	9	14
24/ 23	.1	.2																	3	3	3	11
2/ 21		.1																	1	1		5
/ 19																					1	9
2/ 17																						2
TOTAL	27.7	50.4	15.2	4.9	1.4	.1	.1	.1												900		900
																			900		900	

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.	700283	78760	87.5	11.084	900							
Dry Bulb	1615574	37544	41.7	7.413	900		9.7	.3				9
Wet Bulb	1485016	36072	40.1	6.608	900		11.7					9
Dew Point	1344038	34262	38.1	6.647	900		17.5					9

USAFETAC 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

34 4c — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-8[illegible] — YEARS
NOV — MONTH

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]6/ 65						.1												1	1		
[illegible]4/ 63						.1												1	1		
[illegible] / 61				.2														2	2		
[illegible] / 59			.4	.2														6	6		
[illegible] / 57		.4	.7	.7														16	16		
5[illegible] / 55		.1	.1	.1	.1													4	4	15	
4/ 53		.7	.6	.6	.3													19	19	7	8
2/ 51	.7	1.3	1.3	.6	.3													38	38	23	14
[illegible] / 49	.[illegible]	2.1	2.4	.6	.1													49	49	26	21
[illegible] / 47	.7	1.9	2.1	.1														43	43	49	27
[illegible]/ 45	1.9	5.4	1.8	.1	.1	.1												85	85	74	54
[illegible]4/ [illegible]3	2.[illegible]	5.6	1.2	.1														80	80	89	66
[illegible]2/ 41	4.9	8.[illegible]	1.9	.1														134	134	119	113
[illegible] / [illegible]9	2.3	6.2	1.[illegible]															86	86	64	121
[illegible]/ 37	4.8	3.1	.3															74	74	117	99
[illegible]/ 35	4.1	2.3	.4															62	62	79	98
34/ 33	4.4	3.9	.2															77	77	83	77
2/ 31	2.3	1.9	.6															56	56	58	77
[illegible] / 29	1.3	1.3	.3															27	27	21	45
[illegible]/ 27	1.2	.8																18	18	31	28
[illegible] / 25	1.[illegible]																	9	9	12	2[illegible]
[illegible]/ 23	.6	.2																7	7	5	14
2/ 21	.2	.2																4	4	4	6
[illegible] / 19																				2	8
[illegible]/ 17	.1	.1																2	2	1	2
1[illegible]/ 15																				1	
[illegible]/ 13																					1
1 / 11																					1
TOTAL	34.2	45.7	15.4	3.3	1.0	.3												900	900	900	900

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.	7217669	80025	88.9	10.658	900							
Dry Bulb	1539287	36611	40.7	7.457	900		12.3					90
Wet Bulb	1428071	35341	39.3	6.696	900		13.5					90
Dew Point	1304268	33728	37.5	6.695	900		20.2					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
NOV — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 61			.3	.2														5	5		
[illegible]/ 59			.1	.6														6	6		
[illegible]/ 57			.2	.4														6	6	3	
5[illegible]/ 55		.4	.2	.2	.1													9	9	4	3
4/ 53	.3	.3	.6	.2	.1													14	14	15	4
[illegible]/ 51	.1	1.[illegible]	2.3	.4	.2	.1												35	35	14	7
[illegible]/ 49	.2	2.0	1.8	.4														40	40	22	20
[illegible]/ 47	.7	3.7	1.6															53	53	56	28
[illegible]/ 45	2.1	6.7	1.7															94	94	84	51
[illegible]/ 43	.7	4.7	1.3															60	60	80	57
[illegible]/ 41	5.6	8.9	1.2															141	141	126	151
[illegible]/ 39	1.7	6.3	.4	.1														77	77	64	103
[illegible]/ 37	5.9	3.1	.6															86	86	122	94
[illegible]/ 35	4.1	3.7	.2															72	72	74	98
34/ [illegible]3	3.4	2.7	.6															60	60	81	73
[illegible]/ 31	4.2	2.4	.3															63	63	62	75
[illegible]/ [illegible]	1.9	1.4																30	30	40	43
[illegible]/ 27	2.2	1.[illegible]	.2															31	31	28	43
[illegible]/ 25	.7	.1																7	7	13	22
[illegible]/ 23	.2	.6																7	7	4	11
2/ 21	.4																	4	4	8	6
[illegible]/ 19																					7
[illegible]/ 17																					4
TOTAL	34.4	49.0	13.3	2.7	.4	.1													900		900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7302716	80582	89.5	9.880	900							
Dry Bulb	1510917	36285	40.3	7.309	900		14.2					90
Wet Bulb	1409689	35115	39.0	6.639	900		15.5					90
Dew Point	1293279	33597	37.3	6.595	900		21.1					90

FORM AM 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

34 46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 69						.1												1	1		
6/ 65					.1	.1	.1											3	3		
4/ 63				.4	.3													7	7		
2/ 61			.1	.1														2	2	1	
/ 59				.4		.1												5	5		
/ 57			.2	.3	.2													7	7	6	
5 / 55		.9	.6	.9	.2													23	23	7	3
4/ 53		.2	1.4	1.1														25	25	16	6
2/ 51	.1	1.4	2.2	.9														42	42	18	9
/ 49	.1	2.9	3.9	.3														65	65	39	18
8/ 47	.6	4.1	2.7	.4														70	70	80	31
6/ 45	.9	5.1	2.8	.2														81	81	88	76
4/ 43	1.1	6.0	2.0	.1	.1													84	84	88	79
2/ 41	4.1	10.0	1.6	.2														143	143	115	152
/ 39	1.8	4.4	.8	.1														64	64	106	85
8/ 37	3.2	5.3	.8	.1														85	85	84	106
6/ 35	2.2	3.3	.1	.2														53	53	76	97
4/ 33	1.9	4.1	.1															55	55	74	52
2/ 31	2.3	2.3	.4	.1														47	47	49	76
/ 29	.9	.7	.2															16	16	23	45
6/ 27	1.1	.6	.3															18	18	20	35
6/ 25		.2																2	2	6	8
4/ 23	.2																	2	2	4	9
2/ 21																					6
/ 19																					2
8/ 17																					3
6/ 15																					2
TOTAL	25.6	51.7	20.2	6.1	1.0	.3	.1												900		900
																		900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6721768	77180	85.8	10.712	900							
Dry Bulb	1663180	38118	42.4	7.364	900		8.5	.1				90
Wet Bulb	1511601	36423	40.5	6.464	900		10.2					90
Dew Point	1349513	34367	38.2	6.432	900		18.6					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION | HEIDELBERG AAF DL — STATION NAME | 66-70,74-80 — YEARS | NOV — MONTH

1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71							.2											2	2		
/ 69								.1										1	1		
68/ 67					.1													1	1		
66/ 65					.1													1	1		
64/ 63				.3	.6	.1												9	9		
62/ 61			.4	.2	.7	.3												15	15		
/ 59			.2	.7	1.7	.2												25	25	3	
58/ 57		.7	.7	1.0	.7													27	27	9	
56/ 55		.4	.9	2.3	.2													35	35	16	5
54/ 53		.3	1.9	1.7														35	35	30	11
52/ 51		.9	3.2	.9	.2													47	47	31	13
50/ 49	.1	2.8	2.7	1.3	.2													64	64	71	19
48/ 47	.9	3.3	3.1	1.7	.6	.1												87	87	80	43
46/ 45	.9	5.1	4.1	1.3	.2	.1												106	106	93	97
44/ 43	.9	6.4	4.1	.8														110	110	93	75
42/ 41	2.1	6.9	3.4	.8	.1													120	120	125	140
40/ 39	1.3	3.6	1.0	.1														54	54	19	107
38/ 37	1.2	3.3	.7	.4														51	51	77	92
36/ 35	.7	1.6	1.7	.1														30	30	53	77
34/ 33	1.4	2.9	1.2	.2														52	52	47	68
32/ 31	1.6	.4		.1														19	19	43	62
30/ 29	.7	.3																9	9	18	35
28/ 27																				2	3
26/ 25																					8
24/ 23																					11
22/ 21																					4
/ 19																					2
18/ 17																					1
TOTAL	11.8	39.0	28.7	14.0	5.3	.9	.2	.1										900	900		900
																				900	

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.	5868954	71778	79.8	12.675	900							
Dry Bulb	1893387	40719	45.2	7.541	900		2.8	.4				90
Wet Bulb	16527.7	38137	42.4	6.387	900		6.3					90
Dew Point	1408530	35120	39.0	6.507	900		15.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34[illegible]46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
NOV — MONTH

1500-1700 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
[illegible] / 71							.1												1	1		
[illegible] / 69							.2												2	2		
[illegible] / 65				.1															1	1		
[illegible] / 63				.2	.2	.2													6	6		
[illegible] / 61			.4	1.0	.4	.1													18	18		
[illegible] / 59				1.1	.8	.3													20	20	3	
[illegible] / 57		.1	.2	1.[illegible]	.3	.1													16	16	8	
5[illegible] / 55		.7	.6	2.3	.3														35	35	13	2
4[illegible] / 53		.9	2.6	2.4															53	53	28	6
2[illegible] / 51		.8	2.6	.8	.2														39	39	31	11
[illegible] / 49	.1	3.7	3.8	1.3	.4														84	84	77	36
[illegible] / 47	.2	3.3	3.8	.6	.1	.1													73	73	82	45
4[illegible] / 45	1.[illegible]	5.4	4.6	.9	.1														108	108	106	100
[illegible] / 43	.4	5.6	4.9	1.3															107	107	89	81
42 / 41	3.1	5.9	3.6	.4	.1														118	118	117	134
[illegible] / 39	.7	3.1	2.1	.3	.1														57	57	100	99
3[illegible] / 37	1.2	2.3	.4	.1															37	37	74	79
[illegible] / 35	1.[illegible]	2.2	.4		.1														34	34	51	78
34 / 33	1.2	3.8	1.0	.2															56	56	57	74
[illegible]2 / 31	1.9	1.6	.2																33	33	49	64
[illegible] / 29	.1	.1																	2	2	11	39
25 / 27																					4	33
[illegible]6 / 25																						7
24 / 23																						5
[illegible]2 / 21																						3
[illegible] / 19																						3
[illegible]4 / 13																						1
TOTAL	11.0	39.4	31.1	13.9	3.3	.9	.3													900		900
																			900		900	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.	5919294	72186	80.2	12.002	900							
Dry Bulb	1881560	40602	45.1	7.448	900		3.5	.3				9[illegible]
Wet Bulb	1648092	38088	42.3	6.346	900		6.4					90
Dew Point	1412458	35180	39.1	6.442	900		15.5					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
NOV — MONTH

1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 71							.1	.1										2	2		
[illegible]/ 69							.1											1	1		
[illegible]/ 61		.1	.2															3	3		
/ 59			.3	.7	.2													11	11	3	
[illegible]/ 57		.2	.3	.6	.3													13	13	3	1
5[illegible]/ 55		.1	.4	1.2	.2													18	18	6	1
4/ 53		.8	1.0	1.1	.3													29	29	10	4
[illegible]/ 51		1.2	2.1	.8														37	37	23	7
[illegible]/ 49	.6	3.6	2.4	.6														64	64	46	26
[illegible]/ 47	1.[illegible]	2.9	3.[illegible]	.1														63	63	74	37
[illegible]/ 45	1.2	6.8	3.9															107	107	91	81
[illegible]4/ 43	1.3	6.3	2.6	.2														94	94	109	67
[illegible]2/ 41	3.8	10.4	2.6	.1														152	152	123	147
[illegible]/ 39	1.8	4.9	.9	.3														71	71	99	115
[illegible]/ 37	1.1	4.1	1.[illegible]	.2														58	58	79	102
[illegible]/ 35	1.4	3.2	.3	.1														46	46	63	61
34/ 33	2.[illegible]	2.6	.9															49	49	69	73
[illegible]2/ 31	3.4	3.1	.2															61	61	63	74
[illegible]/ 29	.3	1.3																15	15	32	47
[illegible]/ 27	.7																	6	6	7	28
[illegible]/ 25																					17
[illegible]/ 23																					[illegible]
2/ 21																					[illegible]
TOTAL	15.7	51.7	22.2	6.0	1.1		.2	.1											900		900
																		900		900	

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.	6632640	76664	85.2	10.664	900							
Dry Bulb	1695934	38496	42.8	7.022	900		8.2	.3				9[illegible]
Wet Bulb	15329[illegible]5	36725	4[illegible].8	6.179	900		10.2					9
Dew Point	1364041	34589	38.4	6.214	900		17.8					9[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

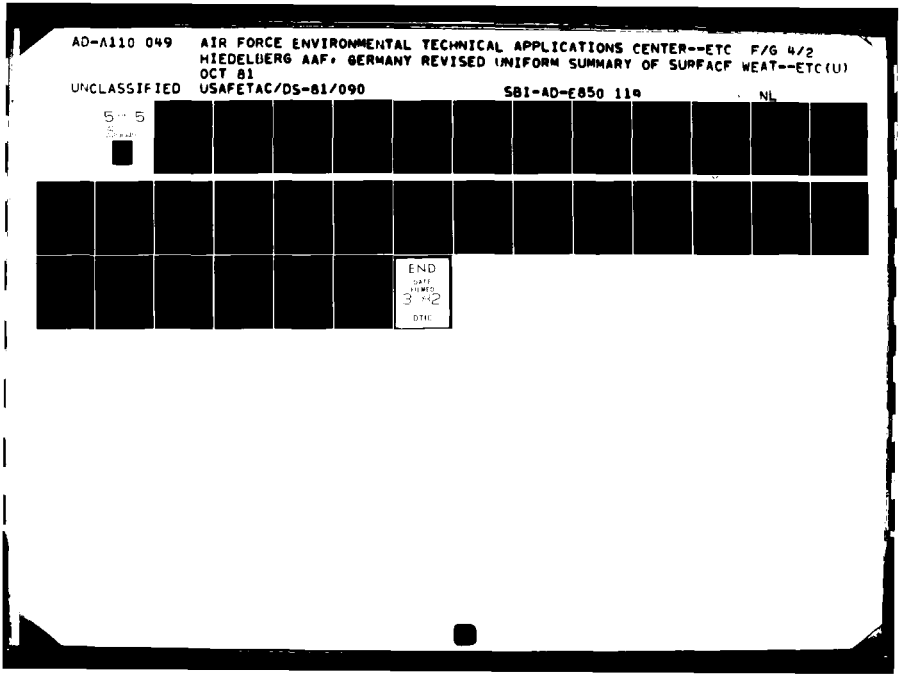
34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-8 — YEARS
NOV — MONTH

21[illegible]0-23[illegible] — HOURS (L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
[illegible]/ 71								.1										1	1		
/ 69							.2											2	2		
4/ 63					.1													1	1		
2/ 61		.1	.1		.1													3	3		
/ 59		.1	.1	.3	.2													7	7	2	
[illegible]/ 57		.3		.6	.3													11	11	4	
5[illegible]/ 55		.4	.2	1.1	.3													19	19	6	
4/ 53		.6	.8	.3	.4													19	19	11	
[illegible]/ 51	.2	1.2	2.2	.9														41	41	20	
[illegible]/ 49	.7	2.3	2.6	.8														57	57	42	
[illegible]/ 47	.9	3.2	1.9		.1													55	55	66	
[illegible]/ 45	1.4	6.6	1.2	.2														85	85	82	
[illegible]/ 43	1.9	7.6	2.[illegible]	.1														104	104	93	
[illegible]/ 41	3.4	8.6	2.7	.2	.1													135	135	123	1
[illegible]/ 39	[illegible].7	5.7	.3															78	78	92	1
[illegible]/ 37	[illegible].7	4.3	1.1	.2														75	75	89	1
[illegible]/ 35	1.4	2.7	.3	.4														44	44	63	
34/ 33	[illegible].4	3.7	.4															68	68	83	
[illegible]/ 31	[illegible].2	2.4	.3															54	54	59	
[illegible]/ 29	.8	1.2																18	18	27	
[illegible]/ 27	1.3	1.[illegible]																21	21	26	
[illegible]/ 25	.1																	1	1	1	
[illegible]/ 23																					
[illegible]/ 21																					
[illegible]/ 19																					
[illegible]/ 17																					
TOTAL	24.2	52.1	16.4	5.2	1.9		.2	.1										899	899		8
																				899	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6849740	77858	86.6	10.908	899							
Dry Bulb	1627255	37697	41.9	7.199	899		9.4	.3				
Wet Bulb	1488467	36133	40.2	6.349	899		11.3					
Dew Point	1336123	34177	38.0	6.404	899		18.9					

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


AD-A110 049
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
HIEDELBERG AAF, GERMANY REVISED UNIFORM SUMMARY OF SURFACE WEAT--ETC(U)
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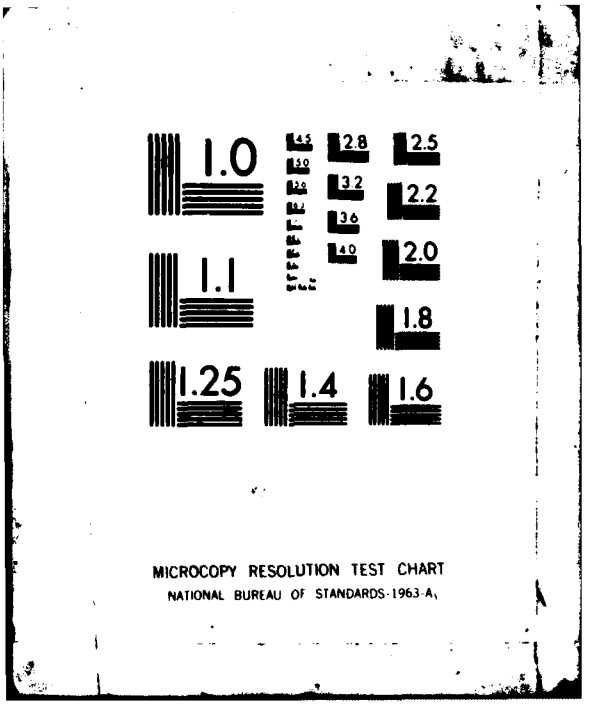
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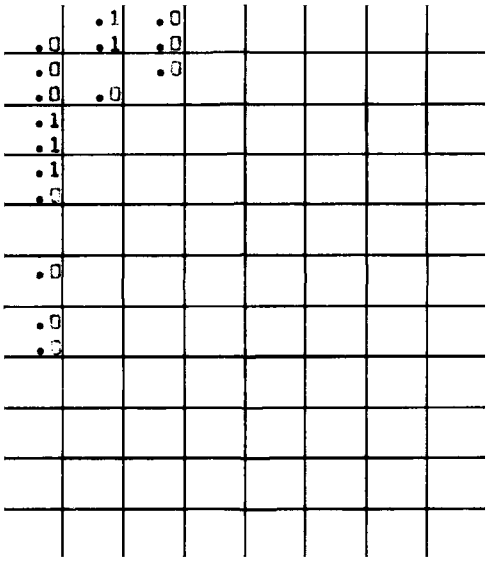
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70, 74-80 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 55		.2																2	2		
54/ 53	.2	.5	.1	.1														9	9	5	2
52/ 51	.1	.4	.6	.2		.1												14	14	6	5
50/ 49	.5	1.2	.9		.1													25	25	12	9
48/ 47	.8	2.6	.9		.1													40	40	37	15
46/ 45	.9	4.4	.2															51	51	46	34
44/ 43	1.4	3.9	.3															52	52	59	47
42/ 41	1.1	3.6	.6															49	49	48	67
40/ 39	2.4	4.1	1.0	.1														70	70	52	61
38/ 37	3.9	5.6	1.0															97	97	83	59
36/ 35	3.3	5.7	1.0															93	93	88	83
34/ 33	3.4	4.0	.9															77	77	102	67
32/ 31	3.9	4.2	.4															79	79	104	100
30/ 29	2.6	4.7	.3															71	71	73	82
28/ 27	4.4	3.6	.9															82	83	69	90
26/ 25	1.7	2.3	.2															39	39	54	38
24/ 23	1.3	1.3	.1															22	22	22	61
22/ 21	1.0	1.9	.1															28	28	22	21
20/ 19	.8	.3																10	10	24	18
18/ 17	1.1	.3																13	13	14	30
16/ 15																				3	16
14/ 13	.2	.1																3	3	3	11
12/ 11	.3																	3	3	3	3
10/ 9																					4
8/ 7																					6
TOTAL	34.9	54.9	9.5	.4	.2	.1													930		929
																		929		929	

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.	7467214	82794	89.1	9.764	929							
Dry Bulb	1221123	32845	35.3	8.112	930		35.1					93
Wet Bulb	1145505	31795	34.2	7.859	929		39.1					93
Dew Point	1038940	30032	32.3	8.566	929		48.1					93

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
56/ 55		.3																3	3		
54/ 53	.2	.3	.2															7	7	6	2
52/ 51	.1	.4	.5															10	10	4	5
50/ 49	.1	.5	1.1															16	16	12	4
48/ 47	.4	2.0	.8															30	30	19	10
46/ 45	1.5	4.7	.3	.2														63	63	56	43
44/ 43	1.8	2.9	.5															49	49	58	48
42/ 41	1.1	3.7	.5															49	49	38	55
40/ 39	1.4	3.0	.1	.1														43	43	46	42
38/ 37	5.7	5.9	.3	.1														112	112	84	77
36/ 35	3.3	4.8	1.2	.1														85	85	94	77
34/ 33	3.4	3.7	1.3															75	75	91	85
32/ 31	3.3	5.6	.3															86	86	91	72
30/ 29	3.5	5.1	.9															88	88	95	72
28/ 27	4.8	4.4	.4															90	90	74	103
26/ 25	2.7	1.2	.1															31	31	59	58
24/ 23	1.2	1.4	.1															25	25	23	55
22/ 21	1.1	1.4																23	23	25	25
20/ 19	1.0	.5																14	14	21	21
18/ 17	.8	.9																15	15	15	24
16/ 15	.9	.1																9	9	11	20
14/ 13	.1	.1																2	2	2	15
12/ 11																				1	6
10/ 9	.4		.1															5	5	4	2
8/ 7																				1	3
6/ 5																					4
4/ 3																					1
-2/-11																					1
TOTAL	38.0	53.0	8.5	.5														930	930	930	930

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.	7549391	83329	89.6	9.453	930							
Dry Bulb	1173208	32124	34.5	8.273	930		38.8					93
Wet Bulb	1105960	31190	33.5	8.031	930		42.2					93
Dew Point	1006677	29485	31.7	8.796	930	.1	48.2					93

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

[redacted]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
DEC — MONTH

0600-0800 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
56/ 55				.1														1	1		
54/ 53	.1	.6	.1	.1														9	9	1	1
52/ 51	.2	.5	.3															10	10	10	6
50/ 49	.3	.8	1.1															20	20	12	7
48/ 47	1.0	2.3	.2															32	32	28	14
46/ 45	.8	4.3	1.3															59	59	47	39
44/ 43	1.6	2.9	.4															46	46	43	45
42/ 41	1.7	3.0	.5															49	49	52	49
40/ 39	1.4	4.2	.5															57	57	42	51
38/ 37	4.3	5.5	.1	.1														93	93	86	61
36/ 35	3.2	5.4	1.3															92	92	95	94
34/ 33	3.3	2.9	.3															61	61	84	77
32/ 31	3.1	4.6	.4															76	76	85	75
30/ 29	3.8	4.5	.2															79	79	87	69
28/ 27	6.6	3.2	.5															96	96	84	102
26/ 25	2.8	2.0																45	45	57	55
24/ 23	1.6	1.9	.1															34	34	34	55
22/ 21	1.3	1.4																25	25	26	26
20/ 19	1.4	1.1																23	23	26	31
18/ 17	.9																	8	8	16	29
16/ 15	.3		.2															5	5	3	18
14/ 13	.3		.1															4	4	3	10
12/ 11																				3	5
10/ 9	.2																	2	2	2	2
8/ 7	.4																	4	4	4	1
6/ 5																					5
4/ -1																					2
-2/ -5																					1
TOTAL	40.6	51.2	7.8	.3														930	930	930	930

Element (X)	$\Sigma X'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7623525	83785	90.1	8.998	930							
Dry Bulb	1163688	31940	34.3	8.476	930		40.1					93
Wet Bulb	1098893	31053	33.4	8.171	930		43.0					93
Dew Point	1003949	29439	31.7	8.807	930	.3	48.6					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

34[illegible]46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
59/ 57			.1	.2														3	3		
56/ 55				.1														1	1		
54/ 53		.4	.2	.4														10	10	1	
52/ 51	.1	.9	.4															13	13	12	1
50/ 49		1.6	1.1															25	25	18	9
48/ 47	1.1	1.5	1.5															38	38	32	23
46/ 45	.6	5.0	1.6															67	67	47	43
44/ 43	1.3	2.7	1.0															46	46	57	36
42/ 41	.5	4.0	.8	.2														51	51	41	59
40/ 39	1.5	6.3	.4	.1														77	77	55	55
38/ 37	2.5	6.3	.9	.1														90	90	89	66
36/ 35	2.4	5.3	1.2															82	82	97	84
34/ 33	2.6	5.0	.6															76	76	102	83
32/ 31	3.3	5.6	1.0															92	92	83	92
30/ 29	2.7	3.1	.6															60	60	75	76
28/ 27	4.5	4.2	.2															83	83	69	80
26/ 25	1.3	2.8																38	41	58	47
24/ 23	1.1	1.2																21	21	29	60
22/ 21	1.6	1.6	.1															31	31	28	32
20/ 19	.4	.6																10	10	17	30
18/ 17	.4	.2																6	6	10	23
16/ 15	.2	.1	.1															4	4	3	13
14/ 13	.1																	1	1	1	8
12/ 11	.2																	2	2	3	3
8/ 7																					2
4/ 3																					1
2/ 1																					1
TOTAL	28.6	58.4	11.9	1.2															930		927
																		927		927	

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	≥ 88 F	≥ 93 F	Total
Rel. Hum.	7269743	81651	88.1	9.169	927							
Dry Bulb	1237729	33061	35.5	8.198	930		35.1					93
Wet Bulb	1151268	31848	34.4	7.783	927		37.7					93
Dew Point	1031544	29946	32.3	8.324	927		47.0					93

FORM AS 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

34146 STATION | HEIDELBERG AAF OL STATION NAME | 68-70,74-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
≥ 82/ 61					.1													1	1		
80/ 59					.1	.2												3	3		
78/ 57		.1	.1	.2														4	4		
76/ 55		.1	.2	.8														10	10	1	
74/ 53		.4	.1	1.0														14	14	3	1
72/ 51		.9	.8	.1														16	16	11	2
70/ 49		2.2	1.7	.2														38	38	37	9
68/ 47	.3	3.0	1.6	.4														50	50	35	20
66/ 45	1.3	3.2	1.8	.3														62	62	66	61
64/ 43	1.3	1.9	1.5	.3	.2													49	49	53	54
62/ 41	1.1	6.9	1.9	.6														98	98	44	46
60/ 39	1.2	5.2	3.0															87	87	85	67
58/ 37	1.4	6.5	2.4	.1														96	96	82	72
56/ 35	1.4	4.2	2.4	.2														76	76	107	77
54/ 33	.8	5.7	1.0															69	69	90	76
52/ 31	2.3	4.3	1.6	.4														80	80	98	80
50/ 29	.9	4.1	1.1	.3														59	59	58	97
28/ 27	2.9	3.4	.4															63	63	75	85
26/ 25	1.0	1.2	.1															21	21	46	47
24/ 23	.3	1.9																21	21	15	53
22/ 21	.4	.6																10	10	17	26
20/ 19																				4	29
18/ 17	.1	.2																3	3	1	14
16/ 15																				2	7
14/ 13																					4
12/ 11																					3
TOTAL	16.6	56.0	21.7	5.1	.4	.2												930	930		930
																		930		930	

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.	6663099	78065	83.9	10.894	930							
Dry Bulb	1390357	35217	37.9	7.817	930		25.7					93
Wet Bulb	1257450	33510	36.0	7.337	930		31.6					93
Dew Point	1088189	30933	33.3	7.991	930		44.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34.46 STATION | HEIDELBERG AAF DL STATION NAME | 68-70,74-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
[illegible] / 59				.1															1	1		
[illegible] / 57				.2															2	2		
56/ 55			.3	.5															8	8		
4/ 53		.9	.4	.8															19	19	2	
[illegible]2/ 51		1.3	.8	.1															20	20	15	4
5 / 49	.1	2.0	1.2	.1	.1														33	33	35	13
[illegible] / 47	.1	1.9	1.8	.5															41	41	27	17
4[illegible]/ 45	1.2	4.4	1.8	.3		.1													73	73	59	61
[illegible]4/ 43	.8	2.4	.6	.4	.1														40	40	58	37
[illegible]2/ 41	2.2	5.7	1.9	.4	.1														96	96	63	68
4 / 39	.5	5.1	1.8																69	69	56	47
3[illegible]/ 37	2.4	7.8	1.7	.2															113	113	105	68
3[illegible]/ 35	1.4	6.8	1.2																87	87	105	90
34/ 33	2.3	4.2	1.0																69	69	107	103
[illegible]2/ 31	1.6	6.5	1.1	.1	.1														87	87	76	84
3[illegible]/ 29	1.6	3.3	1.1	.2	.1														59	59	69	75
2[illegible]/ 27	2.4	4.3	.3	.1															66	66	64	84
[illegible]6/ 25	.5	1.5	.1																20	20	51	48
24/ 23	.4	1.2	.1																16	16	19	51
[illegible]2/ 21	.2	.5																	7	7	11	32
[illegible]/ 19	.1																		1	1	5	16
18/ 17		.2																	2	2	2	14
16/ 15	.1																		1	1	1	6
14/ 13																						6
12/ 11																						2
[illegible]/ 9																						1
8/ 7																						2
6/ 5																						1
TOTAL	17.8	60.0	17.3	4.2	.5	.1													930	930		930
																			930		930	

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.	6773564	78760	84.7	10.556	930							
Dry Bulb	1375853	35061	37.7	7.628	930		25.9					93
Wet Bulb	1252879	33469	36.0	7.217	930		29.8					93
Dew Point	1092682	31002	33.3	7.984	930		42.2					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

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-80 (YEARS) | DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
5 / 55		.2																2	2		
4/ 53		.1	.9	.2	.1													12	12	2	
2/ 51		.5	.9	.2	.1													16	16	6	3
/ 49	.2	1.8	.6															25	25	17	5
8/ 47	.4	2.5	.2	.1	.1													31	31	39	14
/ 45	1.5	4.6	1.3	.1	.2													72	72	48	61
4/ 43	.8	2.3	.8															35	35	48	35
2/ 41	2.6	4.5	1.7															82	82	69	67
/ 39	1.5	3.0	1.2	.1														54	54	47	50
3/ 37	3.1	6.1	1.4															99	99	73	56
/ 35	2.0	8.3	.9															104	104	102	75
3/ 33	4.3	3.7	.1															75	75	122	106
2/ 31	3.	5.6	.6		.1													87	87	97	93
/ 29	1.5	4.9	1.0	.3														72	72	67	63
6/ 27	3.4	3.0	.5	.1														66	66	65	99
6/ 25	1.3	2.3	.2															35	35	48	52
4/ 23	1.1	2.2	.2															32	32	31	43
2/ 21	.2	1.4																15	15	22	30
/ 19	.1	.3																4	4	13	22
8/ 17	.5	.1																6	6	7	16
6/ 15	.2																	2	2	3	15
4/ 13	.2																	2	2	2	13
2/ 11	.2																	2	2	2	5
/ 9																					5
8/ 7																					1
6/ 5																					1
TOTAL	28.3	57.4	12.5	1.2	.6													930	930	930	930

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7202805	81277	87.4	10.356	930							
Dry Bulb	1261343	33467	36.0	7.833	930		32.3					93
Wet Bulb	1170785	32249	34.7	7.518	930		35.7					93
Dew Point	1044490	30188	32.5	8.338	930		45.8					93

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
56/ 55		.1																1	1		
54/ 53		.2	.4	.2	.1													9	9	1	
52/ 51	.1	.5	.4	.1														11	11	6	2
50/ 49	.4	1.3	.4	.1	.1	.2												24	24	15	7
48/ 47	.8	2.5	1.1															40	40	30	18
46/ 45	.8	3.5	1.2															51	51	49	38
44/ 43	1.0	2.9	.2															38	38	42	37
42/ 41	1.5	4.4	.8															62	62	59	60
40/ 39	3.0	4.3	1.0															77	77	59	71
38/ 37	2.9	4.8	1.2															83	83	73	53
36/ 35	3.1	7.1	1.5															109	109	104	70
34/ 33	3.8	3.0	.9															71	71	107	86
32/ 31	4.0	4.5	.5															84	84	92	106
30/ 29	4.5	3.8	.3	.1														81	81	86	80
28/ 27	3.9	3.1	.8	.2														74	74	62	96
26/ 25	.9	1.7	.4															28	28	39	42
24/ 23	1.9	1.7	.3															37	37	35	49
22/ 21	.8	1.5																21	21	31	27
20/ 19	.8	.6																13	13	20	13
18/ 17	.4	.2																6	6	9	21
16/ 15	.4	.1																5	5	5	20
14/ 13	.2																	2	2	3	19
12/ 11	.3																	3	3	3	6
10/ 9																					4
8/ 7																					4
6/ 5																					1
TOTAL	35.4	52.0	11.4	.8	.2	.2												930	930	930	930

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.	74,7505	82433	88.6	10.419	930							
Dry Bulb	1211691	32729	35.2	8.028	930		35.4					93
Wet Bulb	1133182	31662	34.0	7.711	930		38.5					93
Dew Point	1020825	29787	32.0	8.478	930		48.8					93

FORM AM 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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-80 — YEARS
DEC — MONTH
PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
62/ 61					.0													1	1		
60/ 59				.0	.0	.0												4	4		
58/ 57		.0	.0	.1														9	9		
56/ 55		.1	.1	.2														28	28	1	
54/ 53	.1	.4	.3	.3	.0													89	89	21	6
52/ 51	.1	.7	.6	.1	.0	.0												110	110	70	28
50/ 49	.2	1.4	1.0	.1	.0	.0												206	206	158	63
48/ 47	.6	2.3	1.0	.1	.0													302	302	247	131
46/ 45	1.1	4.3	1.2	.1	.1	.0												498	498	418	380
44/ 43	1.2	2.7	.7	.1	.0													355	355	418	339
42/ 41	1.5	4.5	1.1	.2	.0													536	536	414	471
40/ 39	1.6	4.4	1.1	.1														534	534	442	444
38/ 37	3.3	6.1	1.1	.1														783	783	675	512
36/ 35	2.5	5.9	1.3	.0														728	728	792	650
34/ 33	3.0	4.0	.7															573	573	805	683
32/ 31	3.1	5.1	.8	.1	.0													671	671	726	702
30/ 29	2.6	4.2	.7	.1	.0													569	569	610	614
28/ 27	4.1	3.7	.5	.1														620	621	562	739
26/ 25	1.4	1.9	.1															257	260	412	387
24/ 23	1.1	1.6	.1															208	208	208	427
22/ 21	.8	1.3	.0															160	160	182	219
20/ 19	.6	.4																75	75	130	180
18/ 17	.5	.3																59	59	74	171
16/ 15	.3	.0	.0															26	26	31	115
14/ 13	.1	.0	.0															14	14	14	86
12/ 11	.1																	10	10	15	33
10/ 9	.1		.0															7	7	6	18
8/ 7	.1																	4	4	5	19
6/ 5																					12
4/ 3																					2
2/ 1																					1
0/ -1																					2
-4/ -5																					1
-10/-11																					1

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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (YEARS) DEC (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	30.0	55.4	12.6	1.7	.3	.1												7436	7440	7436	7436

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.	57956846	652094	87.7	10.190	7436							
Dry Bulb	10034992	266444	35.8	8.141	7440		268.4					744
Wet Bulb	9314922	256776	34.5	7.763	7436		297.7					744
Dew Point	8327296	240812	32.4	8.433	7436	.4	373.1					744

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMAR

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-81 — YEARS
ALL — MONTH
ALL — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poi
1 0/ 99																.0		1	1		
98/ 97														.0		.0		2	2		
96/ 95													.0	.0	.0	.0	.0	46	46		
94/ 93										.0	.0	.0	.0	.0	.0	.0		38	38		
92/ 91										.0	.0	.0	.0	.0	.0			58	58		
90/ 89							.0	.0	.0	.0	.0	.0	.0	.0	.0			114	114		
88/ 87							.0	.0	.1	.1	.1	.0	.0		.0			201	201		
86/ 85						.0	.0	.1	.1	.1	.1	.0	.0	.0				257	257		
84/ 83				.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0				352	352		
82/ 81				.0	.0	.1	.1	.2	.3	.1	.1	.0	.0					773	773		
80/ 79				.0	.0	.1	.2	.2	.2	.1	.1	.0						778	778	2	
78/ 77			.0	.0	.1	.2	.4	.3	.3	.1	.0	.0						1235	1235		
76/ 75	.	.0	.0	.0	.1	.3	.4	.3	.1	.0	.0	.0	.0					1235	1235	31	
74/ 73		.0	.0	.2	.2	.4	.4	.3	.1	.0	.0	.0	.0					1477	1477	94	
72/ 71		.0	.1	.2	.5	.4	.4	.2	.1	.0	.0							1661	1661	284	1
70/ 69	.0	.0	.3	.4	.5	.6	.3	.2	.1	.0	.0							2038	2038	721	5
68/ 67	.0	.1	.5	.5	.7	.4	.3	.1	.1	.0								2319	2319	1358	14
66/ 65	.0	.4	.5	.7	.5	.4	.3	.1	.0	.0								2668	2668	2173	42
64/ 63	.1	1.0	1.0	1.2	.7	.8	.2	.1	.0	.0								4566	4566	3347	142
62/ 61	.2	1.1	1.1	.7	.6	.2	.2	.1	.0									3618	3618	4214	205
60/ 59	.4	1.5	1.4	1.1	.6	.4	.1	.0	.0									4809	4809	4538	380
58/ 57	.3	1.6	1.0	.9	.4	.2	.1	.0	.0									3823	3823	4895	391
56/ 55	.4	1.7	.9	.8	.4	.1	.0	.0	.0									3787	3787	5191	455
54/ 53	.5	1.4	1.2	.6	.4	.1	.0	.0										3728	3730	4909	512
52/ 51	.5	1.4	1.2	.5	.2	.1	.0											3442	3442	4291	453
50/ 49	.6	1.6	1.2	.5	.2	.1	.0	.0										3762	3763	4760	488
48/ 47	.6	1.9	1.2	.4	.2	.0	.0											3738	3739	4587	443
46/ 45	1.	3.1	1.3	.5	.2	.0	.0											5361	5367	5201	643
44/ 43	.8	2.4	1.0	.4	.1	.0												4062	4065	4838	452
42/ 41	1.3	3.5	1.3	.3	.1	.0												5714	5714	5055	683
40/ 39	.9	2.5	.8	.2	.0	.0												3907	3907	4466	512
38/ 37	1.2	2.2	.7	.1	.0	.0												3790	3790	4713	468
36/ 35	1.0	2.0	.6	.1	.0													3275	3275	4005	450
34/ 33	1.3	1.7	.4	.1	.0													2981	2981	4301	420

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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34 46 (STATION) | HEIDELBERG AAF DL (STATION NAME) | 68-70,74-81 (YEARS) | ALL (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible]/ 31	.1	1.4	.2	.0	.0													2439	2439	3124	4143
[illegible]/ 29	.7	1.1	.2	.0	.0													1734	1734	2046	3116
[illegible]/ 27	1.3	.8	.1	.0														1665	1667	1726	3154
[illegible]/ 25	.3	.4	.0															652	655	967	1550
[illegible]/ 23	.3	.3	.0															576	577	607	1460
[illegible]/ 21	.2	.2	.0															318	318	435	718
[illegible]/ 19	.1	.1																209	209	264	539
[illegible]/ 17	.1	.1																163	163	208	440
[illegible]/ 15	.1	.0	.0															66	66	77	287
[illegible]/ 13	.0	.0	.0															51	51	50	205
[illegible]/ 11	.2	.0																39	39	50	109
[illegible]/ 9	.1	.0	.0															42	45	32	73
[illegible]/ 7	.0	.0																22	22	29	43
[illegible]/ 5	.0	.0																16	16	18	37
[illegible]/ 3	.1																	5	5	6	22
[illegible]/ 1																					9
[illegible]/ -1																					9
[illegible]/ -3																					1
[illegible]/ -5																					1
[illegible]/ -11																					1
TOTAL	15.2	35.6	18.3	10.1	6.9	5.0	3.6	2.2	1.4	.8	.4	.2	.1	.1	.0	.0	.0	87613	87635	87613	87613

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.	557221679	6819045	77.8	17.387	87613							
Dry Bulb	245530245	4467283	51.0	14.254	87635		799.5	1258.5	656.7	221.9	8.7	8760
Wet Bulb	205756750	4123350	47.1	11.555	87613		962.8	249.0	12.7			8760
Dew Point	175807777	3802055	43.4	11.110	87613	1.2	1589.9	22.1	.5			8760

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34[illegible]6 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-81 (YEARS)

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	34.7	35.9	41.1	46.0	53.4	59.5	61.6	62.1	56.6	48.6	41.7	35.3	48.1
	S.D.	7.653	6.746	6.608	7.453	6.893	6.570	6.559	5.699	5.638	6.267	7.413	8.112	12.098
	TOTAL OBS	928	846	929	9[illegible]0	930	900	930	930	900	930	900	930	10953
3-05	MEAN	33.9	34.8	39.4	43.5	50.7	56.8	59.0	59.5	54.5	47.1	40.7	34.5	46.3
	S.D.	7.937	7.021	6.733	7.137	6.642	6.170	5.954	5.312	5.618	6.142	7.457	8.273	11.521
	TOTAL OBS	93[illegible]	846	930	900	930	900	930	930	900	930	900	930	10956
06-08	MEAN	33.5	34.4	38.9	43.8	52.7	59.3	61.2	60.5	54.6	46.8	40.3	34.3	46.8
	S.D.	7.967	7.102	6.959	6.927	6.404	6.404	6.079	5.496	5.651	6.130	7.309	8.476	12.233
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955
09-11	MEAN	34.8	36.7	43.3	50.2	59.7	66.5	68.2	67.6	61.3	50.8	42.4	35.5	51.5
	S.D.	7.88[illegible]	6.795	7.272	8.057	7.462	7.897	7.756	6.635	5.992	7.076	7.364	8.198	14.414
	TOTAL OBS	930	846	930	898	930	900	930	930	900	930	900	930	10954
12-14	MEAN	37.6	40.4	48.0	55.0	64.0	70.5	72.7	72.8	67.0	55.5	45.2	37.9	55.6
	S.D.	7.408	7.089	7.977	9.531	8.877	9.248	9.184	7.747	7.206	7.841	7.541	7.817	15.398
	TOTAL OBS	930	846	930	898	930	900	930	930	900	930	900	930	10954
15-17	MEAN	37.8	41.5	49.4	56.4	65.5	71.7	74.2	74.1	68.0	56.2	45.1	37.7	56.5
	S.D.	7.322	7.288	8.195	10.073	9.186	9.442	9.609	8.262	7.523	8.117	7.448	7.628	15.879
	TOTAL OBS	930	846	930	899	930	900	930	930	899	930	900	930	10954
18-20	MEAN	36.0	38.6	45.8	52.7	62.0	68.2	71.0	69.9	62.8	52.0	42.8	36.0	53.2
	S.D.	7.285	6.725	7.538	9.091	8.480	8.699	8.797	7.652	6.803	6.897	7.022	7.833	14.982
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955
21-23	MEAN	35.2	36.8	42.9	48.4	56.4	62.5	64.9	64.5	58.6	49.7	41.9	35.2	49.8
	S.D.	7.382	6.418	6.723	7.804	7.116	7.039	6.925	5.924	5.985	6.590	7.199	8.028	12.954
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	899	930	10954
ALL HOURS	MEAN	35.4	37.4	43.6	49.5	58.0	64.4	66.6	66.4	60.4	50.8	42.5	35.8	51.0
	S.D.	7.750	7.301	8.122	9.529	9.288	9.393	9.412	8.484	8.029	7.677	7.540	8.141	14.254
	TOTAL OBS	7438	6768	7439	7193	7440	7200	7439	7440	7199	7440	7199	7440	87639

USAF ETAC FORM OCT 79 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

34 046 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-81 (YEARS)

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	33.7	34.5	39.0	42.8	49.8	55.8	58.0	58.5	54.3	47.0	40.1	34.2	45.7
	S. D.	7.358	6.405	6.375	6.220	5.514	5.257	4.901	4.530	5.024	5.732	6.608	7.859	10.933
	TOTAL OBS	928	846	929	900	930	900	930	930	900	928	900	929	10950
3-05	MEAN	33.3	33.6	37.7	41.1	48.1	54.3	56.4	57.0	52.7	45.9	39.3	33.5	44.4
	S. D.	7.583	6.713	6.557	6.360	5.702	5.409	4.933	4.632	5.177	5.805	6.696	8.031	10.789
	TOTAL OBS	930	846	930	900	930	900	930	930	900	927	900	930	10953
6-08	MEAN	32.6	33.4	37.3	41.3	49.4	55.7	57.6	57.6	52.8	45.7	39.0	33.4	44.7
	S. D.	7.684	6.851	6.727	6.218	5.396	5.277	4.737	4.640	5.232	5.893	6.639	8.171	11.206
	TOTAL OBS	929	846	930	899	930	900	930	930	900	927	900	930	10951
9-11	MEAN	33.6	35.1	40.3	45.1	53.1	59.0	60.9	61.0	56.7	48.3	40.5	34.4	47.4
	S. D.	7.496	6.350	6.449	6.074	5.404	5.497	4.950	4.497	4.899	6.031	6.464	7.783	11.835
	TOTAL OBS	93.	846	930	898	930	900	930	930	900	927	900	927	10948
12-14	MEAN	35.9	37.5	43.1	47.4	54.9	60.4	62.4	62.9	59.2	50.9	42.4	36.0	49.5
	S. D.	6.736	6.067	6.503	6.516	5.772	5.845	5.322	4.630	5.324	5.950	6.387	7.337	11.675
	TOTAL OBS	927	846	930	898	930	900	930	930	900	928	900	930	10949
15-17	MEAN	36.1	38.2	43.9	48.1	55.6	60.8	62.9	63.1	59.7	51.4	42.3	36.0	49.9
	S. D.	6.727	6.053	6.449	6.468	5.845	5.665	5.326	4.630	5.381	6.115	6.346	7.217	11.736
	TOTAL OBS	929	846	930	899	930	900	930	930	899	930	900	930	10953
18-20	MEAN	34.7	36.4	41.9	46.2	54.0	59.4	61.8	61.6	57.6	49.3	40.8	34.7	48.3
	S. D.	6.897	6.044	6.576	6.202	5.594	5.381	5.161	4.673	5.262	5.846	6.179	7.518	11.719
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955
21-23	MEAN	34.2	35.1	40.2	44.0	51.5	57.2	59.6	59.6	55.3	47.8	40.2	34.0	46.6
	S. D.	7.023	5.986	6.366	6.088	5.287	5.178	4.927	4.438	5.085	5.849	6.349	7.711	11.203
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	899	930	10954
ALL HOURS	MEAN	34.2	35.5	40.4	44.5	52.0	57.8	59.9	60.2	56.1	48.3	40.6	34.5	47.1
	S. D.	7.289	6.521	6.883	6.745	6.144	5.889	5.519	5.074	5.761	6.226	6.562	7.763	11.555
	TOTAL OBS	7433	6768	7439	7193	7440	7200	7439	7440	7199	7427	7199	7436	87613

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

34 46 — STATION
HEIDELBERG AAF DL — STATION NAME
68-70,74-81 — YEARS

HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	32.1	32.3	35.9	39.0	46.4	52.8	55.2	55.9	52.4	45.5	38.1	32.3	43.2
	S.D.	7.801	7.099	7.533	6.702	6.088	5.824	5.190	5.236	5.291	5.941	6.647	8.566	11.075
	TOTAL OBS	928	846	929	900	930	900	930	930	900	928	900	929	10950
03-05	MEAN	31.3	31.6	35.2	38.1	45.6	52.3	54.4	55.1	51.3	44.8	37.5	31.7	42.5
	S.D.	8.029	7.382	7.568	6.863	6.171	5.749	5.122	5.210	5.359	6.050	6.695	8.796	11.097
	TOTAL OBS	930	846	930	900	930	900	930	930	900	927	900	930	10953
06-08	MEAN	31.0	31.5	35.1	38.3	46.3	52.9	55.0	55.4	51.3	44.6	37.3	31.7	42.6
	S.D.	8.261	7.501	7.581	6.739	6.017	5.577	4.904	5.062	5.419	6.150	6.595	8.807	11.293
	TOTAL OBS	929	846	930	899	930	900	930	930	900	927	900	930	10951
09-11	MEAN	31.7	32.5	36.5	39.5	47.2	53.4	55.8	56.3	53.1	46.0	38.2	32.3	43.6
	S.D.	8.029	7.070	7.149	6.642	6.349	6.136	5.326	5.325	5.394	6.208	6.432	8.324	11.281
	TOTAL OBS	930	846	93[illegible]	898	930	900	930	930	900	927	900	927	10948
12-14	MEAN	33.1	33.5	37.3	39.3	47.0	53.1	55.4	56.1	53.3	46.7	39.0	33.3	44.0
	S.D.	7.265	6.797	7.396	7.189	6.766	6.608	5.756	5.582	5.960	6.117	6.507	7.991	10.944
	TOTAL OBS	927	846	930	898	930	900	930	930	900	928	900	930	10949
15-17	MEAN	33.4	33.6	37.5	39.4	47.3	52.9	55.2	55.6	53.7	47.1	39.1	33.3	44.1
	S.D.	7.280	6.706	7.464	7.325	6.990	6.533	6.010	5.703	6.067	6.196	6.442	7.984	10.890
	TOTAL OBS	929	846	930	899	930	900	930	930	899	930	900	930	10953
18-20	MEAN	32.8	33.2	37.0	39.1	47.0	52.9	55.3	55.9	53.7	46.7	38.4	32.5	43.8
	S.D.	7.309	6.608	7.805	7.021	6.588	6.317	5.689	5.826	5.628	6.020	6.214	8.338	11.065
	TOTAL OBS	930	846	930	900	930	900	929	930	900	930	900	930	10955
21-23	MEAN	32.4	32.6	36.6	39.0	47.0	53.1	55.8	56.1	52.7	45.9	38.0	32.0	43.5
	S.D.	7.410	6.653	7.619	6.758	5.985	5.832	5.395	5.273	5.343	5.967	6.404	8.478	11.116
	TOTAL OBS	930	846	930	899	930	900	930	930	900	930	899	930	10954
ALL HOURS	MEAN	32.2	32.6	36.4	39.0	46.7	52.9	55.3	55.8	52.7	45.9	38.2	32.4	43.4
	S.D.	7.719	7.020	7.561	6.921	6.400	6.087	5.449	5.419	5.634	6.138	6.518	8.433	11.110
	TOTAL OBS	7433	6768	7439	7193	7440	7200	7439	7440	7199	7427	7199	7436	87613

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046 HEIDELBERG AAF DL 69-70,74-81 JAN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	99.8	97.0	86.7	57.3	90.6	928
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	97.2	86.8	55.5	9[illegible].4	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	96.4	87.6	57.2	90.6	929
	09-11	100.0	100.0	100.0	99.9	99.8	99.2	94.7	84.9	49.2	88.9	930
	12-14	100.0	100.0	100.0	99.9	99.7	97.0	86.3	65.5	30.9	83.9	927
	15-17	100.0	100.0	100.0	100.0	99.8	97.6	87.2	68.1	31.5	84.3	929
	18-20	100.0	100.0	100.0	100.0	100.0	99.5	95.8	82.5	45.3	88.4	930
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	96.6	85.2	51.6	89.7	930
TOTALS		100.0	100.0	100.0	100.0	99.9	99.1	93.9	80.9	47.3	88.4	7433

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 46	HEIDELBERG AAF DL	69-70,74-81	FEB
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.9	99.4	97.9	90.8	76.4	47.4	87.4	846
	03-05	100.0	100.0	100.0	99.6	99.3	98.1	92.0	81.2	53.8	88.9	846
	06-08	100.0	100.0	100.0	100.0	99.5	98.0	92.9	82.2	57.1	89.4	846
	09-11	100.0	100.0	100.0	99.9	98.7	94.8	85.3	72.1	41.1	85.4	846
	12-14	100.0	100.0	99.6	98.6	94.9	85.7	68.2	47.8	22.2	77.7	846
	15-17	100.0	99.9	99.4	98.3	93.6	80.4	62.6	40.8	16.7	75.3	846
	18-20	100.0	100.0	100.0	99.9	98.1	93.3	80.6	59.0	28.5	82.0	846
	21-23	100.0	100.0	100.0	100.0	99.1	95.7	87.2	72.5	39.6	85.6	846
TOTALS		100.0	100.0	99.9	99.5	97.8	93.0	82.5	66.5	38.3	84.0	6768

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

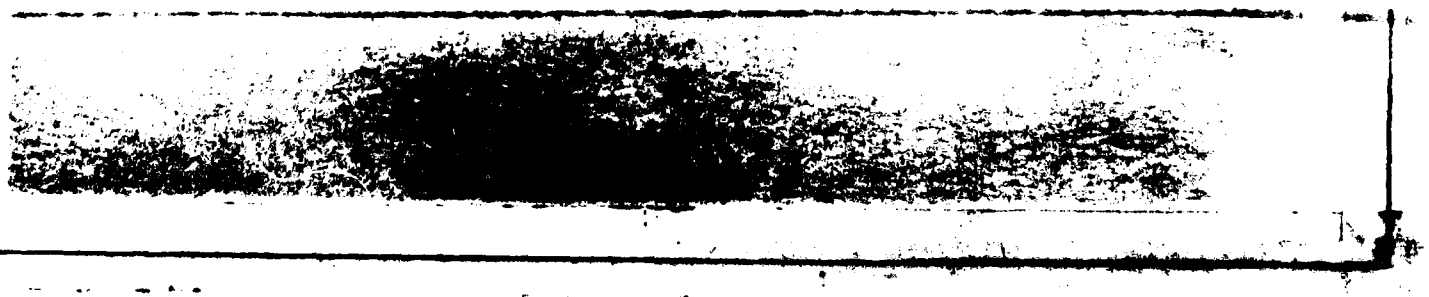
RELATIVE HUMIDITY

34[illegible]46 HEIDELBERG AAF DL 68-70,74-80 MAR
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.6	98.7	95.2	81.5	61.8	27.7	82.3	929
	03-05	100.0	100.0	99.9	99.7	99.5	97.2	88.8	72.7	37.4	85.5	930
	06-08	100.0	100.0	99.9	99.7	99.7	97.8	91.3	76.0	39.9	86.5	930
	09-11	100.0	100.0	100.0	99.4	97.4	89.7	70.5	45.3	19.6	78.0	930
	12-14	100.0	100.0	99.8	97.1	88.0	65.5	41.8	21.8	6.2	67.9	930
	15-17	100.0	100.0	99.5	94.5	82.7	58.3	37.3	18.4	6.0	65.4	930
	18-20	100.0	100.0	99.9	98.1	92.2	79.4	57.6	30.8	11.2	72.6	930
	21-23	100.0	100.0	99.8	99.6	97.7	91.8	76.0	48.8	20.3	79.2	930
TOTALS		100.0	100.0	99.9	98.5	94.5	84.4	68.1	47.0	21.0	77.2	7439

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34246 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	98.8	94.4	83.6	71.3	50.9	21.6	78.0	900
	03-05	100.0	100.0	100.0	100.0	97.9	91.6	80.6	63.0	32.1	82.4	900
	06-08	100.0	100.0	100.0	100.0	99.1	91.7	79.5	60.3	27.0	82.0	899
	09-11	100.0	100.0	99.9	95.8	84.3	65.3	47.1	27.2	11.0	68.8	898
	12-14	100.0	100.0	96.1	83.2	62.4	39.6	26.8	14.9	4.6	58.3	898
	15-17	100.0	99.3	91.5	76.5	57.1	38.7	25.4	14.6	4.9	56.4	899
	18-20	100.0	100.0	96.7	85.3	70.1	53.0	38.7	22.1	7.9	63.0	900
	21-23	100.0	100.0	99.8	95.9	88.2	74.0	55.5	35.5	13.3	72.0	899
TOTALS		100.0	99.9	98.0	91.9	81.7	67.2	53.1	36.1	15.3	70.1	7193

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046 HEIDELBERG AAF DL 68-70,74-80 MAY
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.[illegible]	[illegible]	95.4	83.8	73.4	51.6	26.2	78.8	930
	03-05	100.0	100.0	100.0	99.9	98.1	91.4	83.3	65.2	38.2	83.7	930
	06-08	100.0	100.0	100.0	99.2	97.3	90.0	78.1	52.4	26.3	80.0	930
	09-11	100.0	100.0	99.4	94.8	81.3	59.2	38.2	18.8	8.1	65.3	930
	12-14	100.0	99.8	95.2	82.6	60.0	38.7	22.0	10.4	4.4	56.6	930
	15-17	100.0	99.9	93.8	75.9	54.1	33.5	21.6	10.3	3.1	54.7	930
	18-20	100.0	100.0	97.3	86.6	67.4	48.7	31.9	16.2	5.8	60.7	930
	21-23	100.0	100.0	99.5	98.0	89.9	74.4	58.6	34.7	13.8	72.4	930
TOTALS		100.0	100.0	98.1	92.0	80.4	65.0	50.9	32.5	15.7	69.8	7440

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34[illegible]46	HEIDELBERG AAF DL	68-70,74-80	JUN
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	99.1	95.7	88.8	77.9	55.0	25.6	79.9	900
	03-05	100.0	100.0	100.0	100.0	99.2	94.7	89.8	72.0	38.7	85.5	900
	06-08	100.0	100.0	99.9	99.4	98.7	92.6	80.8	53.3	20.4	80.3	900
	09-11	100.0	99.9	99.0	94.8	82.3	58.2	34.4	14.2	5.2	64.4	900
	12-14	100.0	99.7	96.3	83.9	59.0	34.3	22.2	11.2	2.0	56.5	900
	15-17	100.0	98.9	94.6	78.4	52.3	31.6	19.2	7.8	2.8	54.2	900
	18-20	100.0	99.9	97.0	86.2	66.4	47.0	32.6	15.9	6.1	60.7	900
	21-23	100.0	100.0	99.[illegible]	97.9	91.4	78.7	60.1	34.1	13.3	73.1	900
TOTALS		100.0	99.8	98.3	92.5	80.6	65.7	52.1	32.9	14.3	69.3	7200

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046 HEIDELBERG AAF DL 68-70,74-80 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	99.0	98.2	96.2	91.7	82.2	57.3	26.5	80.8	930
	03-05	100.0	100.0	100.0	99.2	98.4	95.9	90.6	73.3	35.9	85.5	930
	06-08	100.0	100.0	100.0	99.5	97.2	93.2	84.5	56.8	23.2	81.2	930
	09-11	100.0	100.0	98.8	96.2	84.0	63.0	39.1	19.5	7.5	66.4	930
	12-14	100.0	99.7	96.9	85.4	59.8	34.1	21.3	12.0	5.2	57.2	930
	15-17	100.0	99.1	94.7	77.3	50.5	32.2	21.4	11.3	3.2	54.5	930
	18-20	100.0	99.6	97.4	89.6	67.1	44.3	28.7	15.1	3.9	60.1	929
	21-23	100.0	100.0	98.8	98.0	94.4	83.4	61.8	33.8	13.8	74.0	930
TOTALS		100.0	99.8	98.2	92.9	81.0	67.2	53.7	34.9	14.9	70.0	7439

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34046 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (PERIOD) AUG (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	99.2	95.3	88.9	82.9	61.9	27.3	81.3	930
	03-05	100.0	100.0	100.0	100.0	98.4	93.2	87.8	75.3	44.7	86.1	930
	06-08	100.0	100.0	100.0	100.0	98.8	95.3	86.8	65.5	34.8	84.0	930
	09-11	100.0	100.0	99.7	97.1	86.7	70.3	46.6	24.9	7.7	68.8	930
	12-14	100.0	100.0	97.8	86.2	64.8	39.2	22.3	9.9	2.7	57.9	930
	15-17	100.0	99.8	95.8	78.1	54.4	33.0	19.1	9.8	2.8	54.9	930
	18-20	100.0	99.9	98.1	90.1	74.8	55.6	37.5	19.9	5.9	63.7	930
	21-23	100.0	100.0	99.9	98.6	93.3	84.6	68.5	41.6	15.3	75.7	930
TOTALS		100.0	100.0	98.9	93.7	83.3	70.0	56.4	38.6	17.7	71.6	7440

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 46 (STATION) HEIDELBERG AAF DL (STATION NAME) 68-70,74-80 (PERIOD) SEP (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	97.2	92.7	73.1	37.3	86.0	900
	03-05	100.0	100.0	100.0	99.9	99.9	99.1	96.0	80.2	52.8	89.1	900
	06-08	100.0	100.0	100.0	100.0	100.0	99.1	96.0	81.6	48.2	88.9	900
	09-11	100.0	100.0	100.0	99.9	98.7	88.7	67.3	33.9	9.7	75.3	900
	12-14	100.0	100.0	100.0	98.2	80.6	53.2	27.1	9.4	3.2	62.7	900
	15-17	100.0	100.0	100.0	96.2	76.6	47.4	26.1	11.3	2.8	61.6	899
	18-20	100.0	100.0	100.0	99.3	95.7	82.0	59.3	30.4	9.2	73.1	900
	21-23	100.0	100.0	100.0	100.0	99.7	95.3	83.7	58.7	19.3	81.4	900
TOTALS		100.0	100.0	100.0	99.2	93.9	82.8	68.5	47.3	22.8	77.3	7199

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 .46	HEIDELBERG AAF OL	68-70,74-80	OCT
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.9	99.7	98.6	94.6	83.3	53.8	89.8	928
	03-05	100.0	100.0	100.0	100.0	99.8	98.9	96.4	87.4	64.7	91.9	927
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	97.6	89.3	67.1	92.4	927
	09-11	100.0	100.0	100.0	99.6	98.8	95.8	86.4	63.5	34.4	84.2	927
	12-14	100.0	100.0	100.0	99.6	93.6	79.7	59.9	34.5	15.0	73.7	928
	15-17	100.0	100.0	100.0	99.4	93.3	77.1	59.8	32.3	13.9	73.1	930
	18-20	100.0	100.0	100.0	99.9	98.8	95.6	85.5	59.9	28.5	82.7	930
	21-23	100.0	100.0	100.0	99.7	99.5	98.6	92.7	75.6	43.9	87.3	930
TOTALS		100.0	100.0	100.0	99.8	97.9	93.0	84.1	65.7	40.2	84.4	7427

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 46	HEIDELBERG AAF DL	68-70,74-80	NOV
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	99.4	97.0	91.4	78.4	44.9	87.5	900
	03-05	100.0	100.0	100.0	99.9	99.4	98.2	94.2	79.7	52.3	88.9	900
	06-08	100.0	100.0	100.0	100.0	99.7	99.2	95.2	82.8	53.4	89.5	900
	09-11	100.0	100.0	100.0	100.0	99.7	98.0	90.3	72.1	34.9	85.8	900
	12-14	100.0	100.0	100.0	99.8	99.2	92.1	75.0	50.9	21.3	79.8	900
	15-17	100.0	100.0	100.0	100.0	99.2	94.2	77.1	55.6	21.	80.	900
	18-20	100.0	100.0	100.0	100.0	99.7	97.9	91.3	69.4	33.2	85.2	900
	21-23	100.0	100.0	100.0	100.0	99.6	97.2	91.5	76.0	37.8	86.6	899
TOTALS		100.0	100.0	100.0	100.0	99.5	96.7	88.3	70.0	37.4	85.4	7199

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

1

RELATIVE HUMIDITY

34.46 HEIDELBERG AAF DL — 68-70,74-80 — DEC

STATION — STATION NAME — PERIOD — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.8	99.2	93.5	84.1	52.7	89.1	929
	03-05	100.0	100.0	100.0	99.9	99.9	99.4	94.3	85.9	54.8	89.6	930
	06-08	100.0	100.0	100.0	100.0	99.9	99.5	96.0	87.0	55.8	90.1	930
	09-11	100.0	100.0	100.0	100.0	99.9	99.0	95.1	81.9	45.1	88.1	927
	12-14	100.0	100.0	100.0	100.0	99.6	97.6	85.8	67.5	29.8	83.9	930
	15-17	100.0	100.0	100.0	99.7	99.0	98.0	89.8	71.3	31.5	84.7	930
	18-20	100.0	100.0	100.0	99.9	99.4	98.2	92.9	78.4	44.8	87.4	930
	21-23	100.0	100.0	100.0	100.0	99.2	98.9	92.2	81.2	51.3	88.6	930
TOTALS		100.0	100.0	100.0	99.9	99.6	98.7	92.5	79.7	45.7	87.7	7436

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34 46	HEIDELBERG AAF DL	68-70,74-81	ALL
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.9	99.1	93.9	80.9	47.3	88.4	7433
FEB		100.0	100.0	99.9	99.5	97.8	93.0	82.5	66.5	38.3	84.0	6768
MAR		100.0	100.0	99.9	98.5	94.5	84.4	68.1	47.0	21.0	77.2	7439
APR		100.0	99.9	98.0	91.9	81.7	67.2	53.1	36.1	15.3	70.1	7193
MAY		100.0	100.0	98.1	92.0	80.4	65.0	50.9	32.5	15.7	69.0	7443
JUN		100.0	99.8	98.3	92.5	80.6	65.7	52.1	32.9	14.3	69.3	7210
JUL		100.0	99.8	98.2	92.9	81.0	67.2	53.7	34.9	14.9	70.0	7439
AUG		100.0	100.0	98.9	93.7	83.3	70.0	56.4	38.6	17.7	71.6	7440
SEP		100.0	100.0	100.0	99.2	93.9	82.8	68.5	47.3	22.8	77.3	7199
OCT		100.0	100.0	100.0	99.8	97.9	93.0	84.1	65.7	40.2	84.4	7427
NOV		100.0	100.0	100.0	100.0	99.5	96.7	88.3	70.0	37.4	85.4	7199
DEC		100.0	100.0	100.0	99.9	99.6	98.7	92.5	79.7	45.7	87.7	7436
TOTALS		100.0	100.0	99.3	96.7	90.8	81.9	70.3	52.7	27.6	77.9	87613



RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
TOTALS												

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U S AIR FORCE
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APPLICATIONS CENTER

PART F PRESSURE SUMMARY

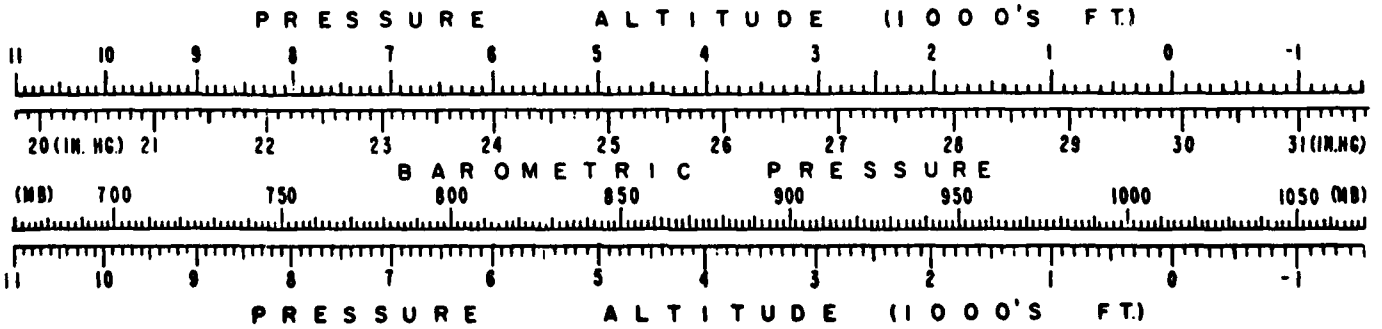
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided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

34246 HEIDELBERG AAF DL 68-70,74-81

STATION | STATION NAME | YEARS

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	29.631	29.588	29.558	29.582	29.593	29.628	29.658	29.636	29.684	29.670	29.637	29.655	29.627
	S.D.	.329	.334	.263	.218	.193	.153	.152	.147	.190	.260	.300	.352	.253
	TOTAL OBS	31[illegible]	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	29.628	29.577	29.546	29.576	29.587	29.623	29.651	29.629	29.677	29.659	29.630	29.649	29.620
[illegible]	S.D.	.326	.336	.265	.217	.196	.155	.154	.149	.190	.264	.298	.355	.255
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	29.626	29.578	29.553	29.591	29.603	29.639	29.665	29.641	29.687	29.665	29.634	29.647	29.628
[illegible]7	S.D.	.325	.341	.268	.220	.198	.158	.158	.150	.192	.270	.296	.354	.256
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	29.646	29.598	29.569	29.602	29.608	29.643	29.668	29.651	29.704	29.686	29.655	29.664	29.641
[illegible]	S.D.	.325	.342	.270	.220	.198	.158	.158	.148	.192	.275	.297	.356	.257
	TOTAL OBS	310	282	31[illegible]	299	310	300	310	310	300	310	300	310	3651
	MEAN	29.631	29.590	29.552	29.580	29.592	29.627	29.653	29.635	29.685	29.669	29.639	29.645	29.625
13	S.D.	.324	.338	.267	.216	.195	.157	.157	.144	.190	.269	.296	.356	.255
	TOTAL OBS	31[illegible]	282	310	299	310	299	310	310	300	310	300	310	365[illegible]
	MEAN	29.621	29.573	29.528	29.555	29.570	29.605	29.634	29.617	29.663	29.651	29.625	29.640	29.607
16	S.D.	.324	.330	.259	.213	.192	.157	.155	.143	.189	.264	.296	.349	.253
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	29.630	29.588	29.540	29.561	29.570	29.601	29.628	29.613	29.666	29.667	29.636	29.650	29.613
19	S.D.	.327	.330	.256	.211	.188	.154	.152	.141	.188	.260	.298	.349	.251
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
	MEAN	29.635	29.595	29.552	29.583	29.595	29.628	29.653	29.636	29.685	29.674	29.640	29.657	29.626
22	S.D.	.327	.331	.258	.217	.188	.152	.150	.145	.188	.262	.303	.350	.252
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651
	MEAN	29.631	29.586	29.550	29.579	29.590	29.624	29.651	29.632	29.681	29.668	29.637	29.651	29.624
ALL HOURS	S.D.	.326	.335	.263	.217	.194	.156	.155	.146	.190	.265	.298	.352	.254
	TOTAL OBS	2480	2256	2480	2397	2480	2399	2480	2480	2400	2480	2400	2480	29212

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