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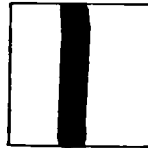
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USAFETAC/DS-80/061

**DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )**

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

SENBACH AB GERMANY WBAN #34056  
N 49 31 E 007 52 FLD ELEV 1052 FT EDAS WMO#10712

PARTS A-F

FOR FROM HOURLY OBS JUL 53-DEC 72  
FOR FROM DAILY OBS JUL 53-DEC 72

SEP 27 1974

**FEDERAL BUILDING  
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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS-80/61	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Sembach AB, Germany	5. TYPE OF REPORT & PERIOD COVERED Final rept.																
	6. PERFORMING ORG. REPORT NUMBER																
7. AUTHOR(s)	8. CONTRACT OR GRANT NUMBER(s)																
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		10. PROGRAM ELEMENT PROJECT TITLE AREA & WORK UNIT NUMBER															
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		12. REPORT DATE 24 Sept 74															
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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) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	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)
*RUSSWO	Daily temperatures	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 Sembach AB, Germany It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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

\*Germany      \*\*Sembach AB, 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 occurring tables.

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THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U.S. AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those groups of meteorological observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into a summary of the day's observations (hourly data, meteorological, local, summary of the day, remarks, etc.).

### DESCRIPTION OF SUMMARIES

In each section is a brief description of the data comprising each part of the revised uniform summary. Other similar observations and the number of precipitation observations are prepared from hourly and daily observations recorded by stations operating under the same procedures and using foreign stations using similar reporting practices.

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

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

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

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

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

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### 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 OR SUMMARY 34056	STATION NAME SENBACH AB GERMANY	LATITUDE N 49 31	LONGITUDE E 007 52	STATION ELEV (FT) 1062	CALL SIGN EDAS	WMO NUMBER 10712
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### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			STATION (FT)	WGT - FT #FORM BAROMETER	
1	Sembach Germany	AB	Jul 53	22Sep 68	N 49 31	E 007 52	1064	1076	24
2	Same	Same	23Sep 68	Jun 71	Same	Same	Same	Same	13 Mon-Fri except Holiday
3	Same	Same	Jul 71	Dec 72	Same	Same	1062	1064	Same

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	Jul 53to Feb 56	Located on top of Control Tower.	AN/GMQ-1	None	87 Ft	
2	Mar 56to Apr 56	Located on top of Base Operations Bldg.	Same	None	85 Ft	
3	May 56to Feb 57	Located on roof of Rnwy Observation Site.	Same	None	35 Ft	
4	Mar 57to Feb 59	Located at Observing Site on approach end of Rnwy 25.	Same	None	46 Ft	
5	Mar 59to Feb 60	Located on top of Weather Observing Site, on precision end of Rnwy 25.	Same	None	42 Ft	
6	Mar 60to Feb 62	Located at Observing Site on approach end of Rnwy 25.	Same	None	46 Ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER		
7	Mar 62 to Jun 71	Located adjacent to and near midpoint of Rnwy.	AN/CMQ-11	RO-2	13Ft	
8	Jul 71 to Dec 72	Located 575 ft SSW of centerline at midpoint of Rnwy 07/25.	Same	Same	Same	

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.



1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

34056 SEMBACH AB GERMANY  
STATION STATION NAME

59-72

YEAR

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS OBS.	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN S. OR DRIZZLE	SNOW AND/OR SLEET	HAZE	% OF OBS WITH FROST	% OF OBS WITH ICE	% OF OBS WITH SMOKE OR MIST	% OF OBS WITH FOG OR MIST	% OF OBS WITH WIND GUSTS	% OF OBS WITH TURBULENCE	TOTAL OBS.
JAN	ALL	.2	14.9	1.2	11.4	.0	20.0	36.3	43.5	.2		70.9	12207
FEB		.1	12.5	.5	10.3	.0	22.8	28.7	46.9	.0	.0	66.1	11012
MAR		.1	12.4	.1	5.4	.1	17.6	17.4	46.2			56.0	12222
APR		.2	14.4	.0	1.2	.1	15.3	14.7	28.5			37.4	11816
MAY		.9	11.8		.1		11.9	10.8	21.7			28.9	12208
JUN		1.2	10.8		.0	.0	10.8	13.1	23.4			31.9	11770
JUL		1.2	9.5			.0	9.5	12.5	20.6			30.1	13042
AUG		.9	11.3				11.3	13.8	21.0			33.0	13386
SEP		.4	10.0			.0	10.0	24.1	27.8		.0	43.8	12580
OCT		.1	12.4		.2	.0	12.3	17.1	24.9			62.3	12702
NOV		.0	17.3	.2	4.1		20.9	42.3	38.8	.0		71.0	11996
DEC			18.4	1.4	7.3	.0	26.2	43.6	39.4			73.4	12413
TOTALS		.4	13.0	.3	3.3	.0	16.3	24.7	32.7	.0	.0	50.7	147354

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DATA PROCESSING BRANCH  
 USAF AFAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056  
 STATION

SENBACH AB GERMANY  
 STATION NAME

34-72

YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		14.3	1.4	9.9		24.7	28.1	42.7	.1		70.1	1295
	03-05		14.2	1.4	10.4		25.7	40.9	37.3	.1		68.2	1467
	06-08		13.7	1.3	12.9		26.8	41.9	36.8	.2		70.0	1630
	09-11		13.3	1.3	14.3		28.3	40.2	42.3	.4		73.4	1641
	12-14		13.9	.8	12.7		28.4	32.2	45.0	.2		69.6	1650
	15-17	.1	13.4	.6	10.0	.1	25.2	28.8	44.6	.3		67.0	1634
	18-20		16.0	1.0	10.3		26.3	32.3	31.2	.2		74.7	1393
	21-23		13.8	1.4	10.4		26.6	36.1	46.0			72.9	1395
TOTALS		.6	14.9	1.2	11.4	.0	26.6	36.3	43.3	.2		70.9	12207

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056  
 STATION

SENBACH AB GERMANY  
 STATION NAME

54-72

YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		12.4	.6	9.8		21.9	22.6	47.2	.1		68.8	1272
	03-05		12.2	.8	10.6		23.3	36.6	45.2	.1		70.4	1333
	06-08		13.4	1.0	11.7		25.2	41.0	44.9			72.6	1467
	09-11		13.5	.6	13.8		26.9	36.7	44.8		.1	70.3	1462
	12-14	.1	13.4	.2	10.2		23.1	21.3	46.0			60.1	1468
	15-17	.2	12.2	.3	10.8	.1	22.4	14.9	45.0			55.6	1463
	18-20	.1	12.1	.4	7.8		19.8	20.3	51.2			64.1	1275
	21-23		10.9	.4	8.7		19.4	28.9	50.2	.1		66.5	1270
TOTALS		.1	12.5	.5	10.2	.9	22.8	28.7	46.9	.0	.9	66.1	11012



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DATA PROCESSING BRANCH  
 USAF BTAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056  
 STATION

SENBACH AB GERMANY  
 STATION NAME

54-72

YEARS

APR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		12.2		.7		12.7	19.6	28.1			29.7	1290
	03-05	.2	13.1		1.3		13.9	30.2	29.4			47.5	1427
	06-08	.2	13.8		2.0	.1	17.3	31.6	34.8			53.9	1589
	09-11	.1	17.3	.1	1.6	.1	18.8	13.1	38.0			46.1	1583
	12-14	.2	14.0		1.8	.1	15.3	4.6	23.8			28.6	1581
	15-17	.7	14.3		1.1	.1	15.3	3.0	18.3			20.6	1583
	18-20	.4	13.2		.6		13.3	3.0	24.0			27.1	1381
	21-23	.1	12.7		.7		13.4	10.3	29.4			33.6	1330
TOTALS		.2	14.4	.0	1.2	.1	13.3	14.7	28.3			27.4	11016

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DATA PROCESSING BRANCH  
USAF BTAC  
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

54-72

YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN S. 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	.4	10.4		.1		10.8	18.2	25.6			24.9	1401
	03-05	.4	12.1		.1		12.1	20.2	20.2			47.2	1477
	06-08	.2	13.1		.2		13.3	25.0	33.0			49.6	1028
	09-11	.2	13.5		.1		13.6	5.5	28.0			22.1	1037
	12-14	1.0	13.0		.1		13.6	1.8	13.8			17.0	1095
	15-17	1.0	11.9		.1		12.0	1.4	9.2			10.6	1021
	18-20	1.9	10.0		.1		10.0	2.1	11.9			13.0	1400
	21-23	1.3	10.0		.1		10.1	6.9	22.2			20.6	1399
TOTALS		.9	11.9		.1		11.9	10.8	21.7			28.9	12808

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

34056  
STATIONSENBACH AB GERMANY  
STATION NAME

54-72

YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02	.7	9.8		.1		9.8	17.6	26.6			26.0	1251
	03-05	.5	9.0				9.0	22.8	29.9			31.6	1420
	06-08	.7	11.2				11.2	27.9	35.3			31.8	1373
	09-11	.4	12.0				12.0	7.7	29.2			34.9	1580
	12-14	1.4	11.6				11.6	3.3	17.6			20.1	1567
	15-17	2.9	12.3				12.3	2.0	11.9			15.6	1568
	18-20	2.1	11.0			.1	11.0	3.2	13.1			13.2	1339
	21-23	1.1	9.7				9.7	10.3	23.3			30.3	1330
TOTALS		1.2	10.8		.0	.0	10.8	12.1	23.4			31.9	11770

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

34096  
 STATION

SENBACH AB GERMANY  
 STATION NAME

59-72

YEARS

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH VISIB TO VISION	TOTAL NO. OF OBS
JUL	00-02	1.0	7.4				7.4	17.6	21.8			24.8	1829
	03-05	1.0	8.3				8.3	31.9	23.1			47.4	1990
	06-08	.6	9.9				9.9	27.8	29.6			50.9	1714
	09-11	.4	10.7				10.7	7.6	27.0			32.6	1720
	12-14	1.1	9.7				9.7	2.0	13.3			17.2	1713
	15-17	2.0	10.3				10.3	1.3	12.1			13.0	1710
	18-20	1.8	10.4			.1	10.4	2.7	12.9			15.1	1993
	21-23	1.7	8.7				8.7	9.4	22.8			29.3	1993
TOTALS		1.2	9.3			.0	9.3	12.3	20.9			20.1	12042









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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

53-72

YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02		16.6	.2	3.1		19.5	51.4	38.3			76.6	1349
	03-05		16.9	.1	4.3		20.4	52.4	33.0	.1		74.9	1444
	06-08		17.0	.2	3.1		21.3	51.4	30.4			71.9	1086
	09-11		18.4	.1	3.7		23.1	44.9	27.4			71.4	1634
	12-14		17.3	.2	4.3		21.7	29.5	41.0			63.8	1419
	15-17		16.4	.2	3.4		19.6	25.4	41.1			60.3	1025
	18-20		17.9	.3	3.6		21.3	29.0	46.1			72.0	1330
	21-23	.1	17.4	.4	3.4		20.4	44.3	42.3	.2		74.9	1349
TOTALS		.0	17.3	.2	4.1		20.9	42.3	38.6	.0		71.0	11906



## 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.

DAY: P...  
 USIA ET...  
 AIR EAT...

WEATHER CONDITIONS

34050

13-72

ALL

REPORT OF WEATHER OBSERVATIONS AT SPECIFIC STATIONS  
 FROM JULY OBSERVATIONS

STATION	TIME	TEMP	WIND	WIND DIR	WIND SPC	WIND DIR	WIND SPC	WIND DIR	WIND SPC	WIND DIR	WIND SPC	WIND DIR	WIND SPC	WIND DIR	WIND SPC
1A	01	47.7	5.1	42.0	.5	59.5	77.2	77.6	1.1	93.0	554				
1B	02	45.2	3.5	39.2	1.0	57.5	61.0	64.5	.7	92.7	512				
1C	03	47.4	.4	23.1	3.4	59.9	55.7	64.4		87.3	553				
1D	04	57.6	.2	9.7	4.1	61.3	50.4	69.2		74.5	536				
1E	05	51.4		1.3	1.3	58.6	49.5	66.8		73.1	551				
1F	06	54.6			1.9	54.8	53.3	66.4		73.2	532				
1G	07	54.6			1.2	54.6	53.0	71.2		77.2	579				
1H	08	56.3			.4	56.3	61.3	72.3		61.4	591				
1I	09	46.5			.7	46.5	71.2	75.6		84.4	570				
1J	10	47.6		1.4	.9	48.6	81.7	61.7		91.5	534				
1K	11	51.5	1.3	16.5	.4	63.3	78.7	77.8	.3	91.5	550				
1L	12	54.3	5.9	34.3	.9	69.9	74.7	76.6		93.1	569				
TOTALS		5.3	52.5	1.6	13.9	1.5	59.1	63.4	75.5	.2	84.5	6677			

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

Continued on Reverse Side



- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST  
 Jan 46-May 47 at 1230GMT  
 Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT  
 Jul 52-May 57 at 1230GMT  
 Jun 57-present at 1200GMT



DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 PRECIPITATION

34056 SENBACH AB GERMANY  
STATION STATION NAME

53=72

YEARS

FROM DATA GENERATION

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						*	.36	1.41	.44	.23	.13	.19	
54	.98	.81	.64	.40	.22	1.02	.27	.69	.22	.48	.32	.38	1.02
55	.74	.74	.37	.24	.50	1.68	.96	.72	.64	.52	.18	.56	1.68
56	.24	.12	.20	.29	.42	.62	.21	1.07	.29	.60	.70	.30	1.07
57	.26	.83	.74	.36	.30	.93	.36	.28	1.80	1.05	.24	.84	1.80
58	.62	1.10	.92	.22	.62	.60	1.92	.69	.21	.27	.28	.20	1.92
59	.35	.09	.36	.45	.36	.44	.81	2.12	.02	.32	.33	.69	2.12
60	.92	.52	.72	.47	.62	.60	.69	1.68	.22	.49	.22	.49	1.68
61	.32	.26	.24	.37	.63	1.47	1.29	.44	.28	.48	.40	.29	1.47
62	.72	1.10	.76	.70	.60	.10	1.22	.22	.21	.22	.22	.24	1.22
63	.29	.15	.59	.43	.13	.69	1.31	.41	.39	1.13	1.26	.10	1.31
64	.10	.25	.27	.47	.60	.20	.16	.49	.79	.20	1.22	.22	1.22
65	1.00	.27	.59	.59	.60	1.07	.69	.27	.12	.79	.79	1.00	
66	.72	.71	.22	.22	.90	.22	.99	1.27	.21	.22	.22	1.22	1.22
67	.22	.59	.44	.47	.58	.22	1.22	.69	2.09	.46	.38	.71	2.09
68	* .22	* .24	* .68	* .70	* .62	* 1.22	* .69	* 1.72	* 1.16	* .22	* .22	* .49	* 1.72
69	* .24	* .60	* .60	* .36	* .67	* .60	* .37	* .67	* .12	* .60	* .22	* .12	* .60
70	* .22	* .22	* .22	* .22	* .77	* .27	* .44	* .22	* .71	* .60	* .60	* .22	* .22
71	* .61	* .23	* .22	* .61	* .61	* .72	* .39	* .27	* .21	* .73	* 1.19	* .20	* 1.19
72	* .22	* .60	* .22	* .27	* .49	* .20	* 1.49	* .22	* .19	* .60	* .60	* .20	* 1.49
MEAN	.422	.221	.409	.408	.567	.721	.600	.222	.412	.494	.222	.202	1.427
S.D.	.229	.242	.172	.142	.170	.299	.421	.200	.220	.222	.240	.222	.291
TOTAL OBS.	244	422	242	222	242	222	272	222	242	272	222	222	624

NOTE \* (BASED ON 6 FULL MONTHS)

DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/VAC

XXXXXXXXXXXXXXXXXXXX  
 MONTHLY PRECIPITATION  
 XXXXXXXXXXXXXXXXXXXX

84050 SERBACH AB GERMANY  
STATION STATION NAME

53-72

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						1.60	2.07	2.17	.81	.27	.99		
54	2.88	1.71	1.29	2.49	1.28	2.37	2.74	4.99	4.26	2.42	1.00	1.94	28.87
55	2.59	3.31	1.27	.91	2.81	3.01	2.31	2.17	2.27	1.39	.64	3.33	28.37
56	2.88	.42	.92	2.48	1.80	2.31	2.49	3.72	1.78	2.22	1.89	1.05	23.44
57	1.33	4.01	2.94	.94	1.56	3.30	1.06	2.04	7.84	1.42	.82	1.73	29.21
58	3.88	3.00	1.22	1.22	2.66	3.96	2.20	3.22	1.18	1.29	1.22	3.10	32.84
59	1.90	.09	1.42	1.86	1.29	1.63	1.30	3.22	.02	1.30	.89	3.13	18.25
60	1.97	2.27	1.19	1.21	2.09	1.22	2.92	3.39	1.42	3.00	3.22	2.27	29.38
61	3.07	1.61	.77	1.36	2.48	4.48	3.33	1.45	.98	2.11	1.36	1.94	33.46
62	1.99	2.36	2.27	1.72	2.11	2.26	2.09	1.07	2.42	.32	1.21	2.04	20.36
63	1.23	.80	3.42	1.16	.56	2.81	2.03	3.24	1.43	1.83	3.17	.13	23.87
64	.24	1.12	1.87	1.49	1.40	1.21	.48	1.66	2.17	2.00	3.08	1.22	19.17
65	5.53	1.01	2.80	2.79	2.88	4.19	3.31	.48	3.31	.23	3.16	6.14	
66	2.26	2.24	2.10	2.62	2.12	3.83	4.22	4.26	.49	2.22	2.40	4.22	34.21
67	1.12	1.88	1.90	1.68	2.22	1.37	2.13	2.92	3.22	3.10	1.88	2.99	28.46
68	3.39	1.99	1.89	2.19	2.69	3.97	3.21	7.22	2.18	1.49	.20	1.22	41.14
69	1.00	1.79	1.67	1.07	1.12	2.02	1.70	3.22	.16	.12	1.17	.41	16.06
70	1.38	2.22	.76	1.06	1.66	.70	2.12	.80	1.00	1.00	1.01	1.03	13.48
71	1.31	.73	.70	.92	2.03	2.76	.82	1.61	.48	.92	2.00	.36	13.29
72	.90	.24	1.12	2.42	3.94	2.79	2.22	2.82	.26	.90	3.33	.27	21.12
MEAN	2.122	1.837	1.673	1.744	2.029	2.636	2.329	3.018	2.103	1.661	1.761	2.034	24.638
S D	1.288	1.284	1.174	1.242	1.180	1.209	1.064	1.613	1.212	1.090	1.448	1.249	6.133
TOTAL OBS.	346	493	346	346	346	322	370	336	346	376	330	330	6248

NOTE \* (BASED ON 6 FULL MONTHS)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 FROM DAILY OBSERVATIONS

34050  
 STATION

SEMBACH AB GERMANY  
 STATION NAME

53-72  
 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)			
	NONE	TRACE	01	02-05	06-10	11-15	16-20	21-30	31-40	41-50	51-60	61-70	71-80			OVER 80	MEAN	GREATEST	LEAST
JAN	58.4	10.0	10.7	8.4	3.1	.7	.4	.2	.2						23.6	350	6.1	19.3	TRACE
FEB	60.7	19.0	9.2	5.2	1.6	.6	.2	.2							20.4	496	4.2	13.0	.0
MAR	75.0	14.1	4.0	3.7	1.2	.4	.4								10.3	346	2.4	8.3	.0
APR	89.8	7.7	1.2	.9	.2										2.3	330	.4	2.2	.0
MAY	98.2	1.8														331	TRACE	TRACE	.0
JUN	100.0															333	.0	.0	.0
JUL	100.0															378	.0	.0	.0
AUG	100.0															391	.0	.0	.0
SEP	100.0															369	.0	.0	.0
OCT	99.2	.7														333	TRACE	TRACE	.0
NOV	84.2	8.2	1.0	3.0	1.2	.4	.2	.2							7.2	330	2.4	10.3	.0
DEC	88.4	21.4	8.0	3.0	1.2	.4									14.2	300	2.4	7.0	TRACE
ANNUAL	85.4	7.6	3.0	2.4	.7	.2	.1	.0	.0						6.2	3392	17.0		

DATA PROCESSING BRANCH  
 USAP/ETAC/OL A  
 AIR WEATHER SERVICE/TAC

EXTREME VALUES  
 SNOWFALL

34056 SEMBACH AB GERMANY  
STATION STATION NAME

53-72

FROM DATA GENERATION

YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						.0	.0	.0	.0	.0	TRACE	.1	
54	2.8	1.4	.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.8
55	1.7	2.8	1.8	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	1.9	2.8
56	3.3	1.8	.0	.9	TRACE	.0	.0	.0	.0	.0	2.0	.8	3.3
57	2.6	.6	.0	.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.6
58	3.2	6.4	3.2	1.9	.0	.0	.0	.0	.0	.0	.0	.4	6.4
59	3.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.8	3.5
60	1.6	.4	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.9	2.9
61	5.8	1.2	.1	.0	.0	.0	.0	.0	.0	TRACE	1.3	.2	5.8
62	TRACE	2.4	3.2	TRACE	.0	.0	.0	.0	.0	.0	4.8	1.2	4.8
63	2.1	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.1
64	.7	.9	1.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.8	1.8
65	1.7	1.0	3.3	TRACE	.0	.0	.0	.0	.0	.0	2.0	.7	3.3
66	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	TRACE	2.4	1.4	2.4
67	1.2	.1	.2	.8	.0	.0	.0	.0	.0	.0	2.6	2.8	2.6
68	.0	2.6	1.7	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	* 2.0	2.0	TRACE	2.0	TRACE	.0	.0	.0	.0	.0	.0	1.2	* 2.0
70	* 1.1	2.7	2.0	1.4	TRACE	.0	.0	.0	.0	.0	.0	2.0	* 2.7
71	* .1	.9	4.9	.0	.0	.0	.0	.0	.0	.0	4.0	.4	* 4.9
72	* 1.1	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	TRACE	* 2.0
MEAN	2.31	1.99	1.38	.32	TRACE	.00	.00	.00	.00	TRACE	1.21	.99	2.37
S D	1.98	1.80	1.40	.81	.00	.00	.00	.00	.00	.00	1.23	.69	1.80
TOTAL OBS.	980	476	266	220	221	222	270	271	269	222	220	240	482

NOTE \* (BASED ON 4 FULL MONTHS)

DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/VAC

XXXXXXXXXXXXXXXXXXXX  
 EXTREME VALUES  
 XXXXXXXXXXXXXXXXXXXX  
 MONTHLY SNOWFALL

34056 SENBACH AB GERMANY  
STATION STATION NAME

52-72

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						*	.0	.0	.0	.0	TRACE	.1	
54	12.8	2.1	.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	14.8
55	7.9	13.5	5.1	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	29.0
56	6.7	3.2	.0	1.2	TRACE	.0	.0	.0	.0	.0	2.0	2.0	19.9
57	7.4	.6	.0	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	8.1
58	6.4	13.0	3.2	2.2	.0	.0	.0	.0	.0	.0	.0	.0	32.9
59	8.3	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	9.1
60	4.0	1.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	12.0
61	9.3	1.8	.1	.0	.0	.0	.0	.0	.0	.0	TRACE	1.3	12.9
62	TRACE	6.2	6.4	TRACE	.0	.0	.0	.0	.0	.0	10.2	2.0	26.3
63	6.7	6.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.4	14.8
64	.9	2.2	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	12.2
65	9.9	6.1	5.0	TRACE	.0	.0	.0	.0	.0	.0	7.1	2.1	31.0
66	3.9	.0	3.2	.0	.0	.0	.0	.0	.0	.0	TRACE	3.2	19.9
67	4.0	.3	.2	1.2	.0	.0	.0	.0	.0	.0	.0	7.0	15.4
68	19.2	3.2	4.2	.7	.0	.0	.0	.0	.0	.0	.0	.0	31.0
69	* 3.0	* 7.0	* TRACE	* TRACE	* TRACE	* .0	* .0	* .0	* .0	* .0	* 1.0	* 2.7	* 19.7
70	* 2.0	* 2.0	* 2.0	* 2.0	* TRACE	* .0	* .0	* .0	* .0	* .0	* .0	* 2.1	* 17.7
71	* .1	* 1.0	* 6.0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .0	* .4	* 14.2
72	* 2.0	* TRACE	* .0	* .0	* .0	* .0	* .0	* .0	* TRACE	* TRACE	* TRACE	* TRACE	* 8.0
MEAN	6.12	4.22	2.44	.42	TRACE	.00	.00	.00	.00	TRACE	2.22	2.29	17.41
S D	4.00	4.00	2.22	.70	.00	.00	.00	.00	.00	.00	2.27	2.22	7.61
TOTAL OBS	220	220	220	220	220	220	220	220	220	220	220	220	2200

NOTE \* (BASED ON < FULL MONTHS)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 FROM DAILY OBSERVATIONS

34056 SEMBACH AB GERMANY  
 STATION STATION NAME

53-72

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02	05	06	10	25	26	30	50	100	200			OVER 200	MEAN	GREATEST
SNOWFALL	NONE	TRACE	01	05	10	25	30	50	100	200	OVER 200							
SNOW DEPTH	NONE	TRACE	1	2	3	4	7	12	25	36	48	60	70	OVER 70				
JAN	68.2	8.2	7.4	6.9	6.0	5.8	3.1							28.6	552			
FEB	69.2	7.0	3.4	5.1	5.1	7.6	2.5							23.7	472			
MAR	82.1	6.1	3.1	2.9	2.3	1.8	.2							9.8	520			
APR	99.4	.4		.2										.2	506			
MAY	100.0														551			
JUN	100.0														537			
JUL	100.0														579			
AUG	100.0														591			
SEP	100.0														568			
OCT	100.0														584			
NOV	95.8	2.7	1.4	1.1	.4	.4								3.3	530			
DEC	80.2	9.8	3.3	3.4	.8	.4	.4							10.4	568			
ANNUAL	90.7	3.0	1.7	1.7	1.2	1.2	.5							6.3	6378			



DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH

FORM DAILY OBSERVATIONS

34056

SENBACH AB GERMANY  
STATION NAME

33-72

YEAR

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
53													0 TRACE
54	8	1	TRACE	0	0	0	0	0	0	0	0	0	0 TRACE
55	2	11	7	0	0	0	0	0	0	0	0	0	0 TRACE
56	3	6	1	TRACE	0	0	0	0	0	0	0	0	0 TRACE
57	3	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
58	4	3	2	2	0	0	0	0	0	0	0	0	0 TRACE
59	4	1	0	0	0	0	0	0	0	0	0	0	0 TRACE
60	3	1	0	0	0	0	0	0	0	0	0	0	0 TRACE
61	7	TRACE	0	0	0	0	0	0	0	0	0	0	0 TRACE
62	TRACE	2	2	0	0	0	0	0	0	0	0	0	0 TRACE
63	4	3	2	0	0	0	0	0	0	0	0	0	0 TRACE
64	2	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
65	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
66	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
67	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
68	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
69	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
70	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
71	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
72	0	0	0	0	0	0	0	0	0	0	0	0	0 TRACE
MEAN	2.0	2.0	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S D	2.0	2.0	1.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL OBS	244	271	244	244	244	244	244	244	244	244	244	244	244

## 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 calms 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.

DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/AC

**EXTREME VALUES**  
 SURFACE WINDS

34056 SEMBACH AB GERMANY

61-72

DAILY PEAK GLSTS IN KNOTS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	UNCORRECTED
61						5	37W	40SW	32SW	30S	33S	39SW	43
62	W	42SW	40SW	31SW	30SW	31W	30W	34W	37SW	32W	24SW	39	WSW
63	E	26NE	17N	30SW	30W	20W	40W	23W	34NW	40S	32S	43NW	22 SW 43
64	S	27W	22NE	28W	27SW	29E	39SW	39W	42W	39S	43E	40SW	30 SW 43
65	W	48NW	39W	37SW	33SW	32S	40NW	44SW	20SW	30SW	20SW	49S	46 WSW 49
66	W	42W	31W	40W	28SW	39S	31W	34W	27SW	32E	32SW	39SW	39 SW 48
67	S	34SW	48SW	31SW	28SW	39SW	22SW	34SW	42NW	36S	44S	32S	39 WSW 53
68		40SW	27SW	41W	31W	37	28W/	37E/	20W/	32E/	24 W	21SW	24 W/ 41
69	24	29E	22E	28E	31E	31E	27E/	34E/	28E	21E	20E	42E	24 E 42
70	23	28E	40E	32E	34E	33E	28E	30E	34E	32E	34E	33E	33 E 40
71	22	37E	28E	38E	38E	34E	37E	30E	32 W	24E	37E	40E	31 E 52
72	30	38E	20E	47E	41E	37E	32 E	22E	27 E	21E/	24E	37E	40 E 57
MEAN	22.4	22.4	21.9	22.2	22.0	22.0	22.0	22.3	20.3	21.0	20.1	20.2	20.2
S D	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
TOTAL OBS	287	287	287	287	287	287	287	287	287	287	287	287	287

NOYS (BASED ON 6 FULL MONTHS)  
 5 (BASED ON 6 FULL MONTHS AND 100 KNOTS)

USAF ETAC FORM 0-88-5 (01)

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/AMC

**SURFACE WINDS**

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

34056 STATION 52-72

SENBACH AB GERMANY STATION NAME

ALL WEATHER CLASS

ALL WEATHER CLASS

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN AND SPEED
N	.8	1.4	1.0	.3	.0	.0	.0	.0	.0	.0	.0	3.5
NNE	.7	1.1	.6	.2	.1	.0	.0	.0	.0	.0	.0	2.8
NE	1.5	3.5	2.9	1.2	.1	.0	.0	.0	.0	.0	.0	9.2
ENE	1.2	2.7	2.3	.3	.0	.0	.0	.0	.0	.0	.0	7.1
E	.9	1.7	1.4	.6	.0	.0	.0	.0	.0	.0	.0	4.4
ESE	.3	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.1
SE	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0
SSE	.4	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	1.0
S	1.1	1.1	.6	.2	.0	.0	.0	.0	.0	.0	.0	2.9
SSW	.8	1.2	1.1	.6	.1	.2	.0	.0	.0	.0	.0	3.8
SW	1.0	2.8	4.0	3.7	1.0	.4	.0	.0	.0	.0	.0	13.0
WSW	.9	2.4	4.0	4.0	.9	.3	.1	.0	.0	.0	.0	12.6
W	.9	2.3	3.2	2.4	.4	.1	.0	.0	.0	.0	.0	9.4
WNW	.3	.6	.5	.3	.0	.0	.0	.0	.0	.0	.0	1.7
NW	.3	.7	.6	.2	.0	.0	.0	.0	.0	.0	.0	1.8
NNW	.3	.9	.7	.3	.0	.0	.0	.0	.0	.0	.0	2.4
VARBL	.8	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0	1.9
CALM												20.4
	12.7	24.1	23.9	14.8	2.9	.9	.1	.0	.0	.0	.0	100.0

TOTAL NUMBER OF OBSERVATIONS 147337

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEBACH AB GERMANY

54-72

ALL WEATHER

U.S. AIR FORCE  
 ALL WEATHER

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	256	MEAN WIND SPEED
N	.9	1.2	.0	.3	.0	.0						2.9
NNE	.8	1.1	.6	.4	.3	.1						2.7
NE	1.6	4.3	3.6	2.0	.2	.0		.0				3.2
ENE	1.5	3.2	3.0	1.4	.2	.0						11.8
E	1.0	2.2	1.7	.6	.1	.0						7.4
ESE	.3	.3	.2	.1	.1							9.5
SE	.3	.2	.1	.0								5.6
SSE	.2	.3	.1	.0								1.0
S	.9	.8	.5	.3	.0	.0						4.6
SSW	.8	1.4	1.5	1.0	.3	.1	.0					5.2
SW	.9	2.9	4.7	6.2	2.3	1.3	.0					2.6
WSW	.5	2.1	3.9	5.0	1.6	.5	.1					5.1
W	.6	1.2	2.1	1.7	.4	.2	.0					18.6
WNW	.2	.2	.3	.2	.0	.0	.0					14.0
NW	.2	.3	.3	.1	.0	.0	.0	.0				11.2
NNW	.4	.4	.3	.1	.0	.0						6.2
VARBL	.7	.3	.0	.2	.1							6.2
CALM												14.0
	11.9	22.5	23.6	19.7	5.5	2.6	.2	.0				100.0
												7.7

TOTAL NUMBER OF OBSERVATIONS 12207

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEEBACH AB GERMANY  
STATION STATION NAME

94-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
RELEASE BY

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.2	1.1	.2	.0							1.4	2.8
NNE	.7	1.2	.9	.7	.3	.1						1.8	3.3
NE	1.9	4.9	4.8	2.6	.6	.2	.0					13.0	7.9
ENE	1.2	3.1	2.5	.8	.1	.0						7.8	6.5
E	.8	1.3	.9	.3	.0							2.3	6.0
ESE	.2	.2	.1	.0						.0		.7	3.2
SE	.3	.2	.1									.7	4.2
SSE	.3	.2	.1	.0								.7	4.2
S	.8	1.0	.5	.2	.1	.0						2.7	3.9
SSW	.8	1.2	1.3	.9	.1	.0						4.4	7.5
SW	.8	2.3	3.3	4.3	1.4	.6	.1	.0				13.3	11.1
WSW	.7	1.4	2.9	3.0	1.6	.8	.1	.0				12.3	11.9
W	.8	2.0	2.8	2.5	.5	.1	.0	.0				8.7	9.6
WNW	.2	.4	.4	.4	.1	.0						1.8	3.3
NW	.2	.6	.4	.4	.1		.0					1.8	7.8
NNW	.4	.9	.6	.3	.0		.0					2.4	7.0
VARBL	.5	.1	.1	.0								.8	4.2
CALM												16.9	
	11.9	22.7	22.1	18.7	4.8	1.8	.3	.0		.0		100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 11013

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 34056 SEMBACH AB GERMANY STATION NAME: 5672 YEARS: VAR MONTH: ALL

ALL WEATHER CLASS

ALL HOURS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.0	.2	.0							3.4	6.1
NNE	.8	1.3	.7	.3	.1	.1						3.3	6.7
NE	1.2	3.0	4.4	2.2	.4	.1						11.9	8.1
ENE	1.0	3.2	3.5	1.4	.1							9.2	7.4
E	.9	1.7	2.1	.7	.0	.0						5.5	7.1
ESE	.3	.4	.4	.2								1.3	6.6
SE	.2	.2	.1	.1	.0							.8	5.9
SSE	.4	.4	.2	.0	.0	.0						1.0	5.9
S	.9	.9	.6	.3	.1	.0	.0					2.8	6.8
SSW	.5	.8	.9	.5	.0	.0	.0					2.7	7.4
SW	.6	1.7	3.7	3.3	.7	.2	.0					9.5	10.1
WSW	.7	1.7	3.4	4.2	1.1	.5	.1					11.7	11.1
W	.8	2.3	3.5	3.1	.6	.2	.0					10.4	9.4
WNW	.2	.6	.7	.4	.0							1.8	7.7
NW	.3	.9	.7	.4	.0	.0						2.3	7.2
NNW	.5	1.2	.7	.3	.0	.0						2.8	6.4
VARBL	.5	.4	.3	.1	.0							1.3	5.1
CALM												18.9	
	10.7	22.0	25.9	17.8	3.3	1.1	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 12222

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SEMBACH AB GERMANY YEAR 86-72 MONTH APR

CLASS ALL WEATHER

ALL

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.8	2.4	1.0	.1							7.0	7.1
NNE	.7	1.3	1.4	.5	.1							3.9	7.0
NE	1.1	3.4	3.7	2.1	.2	.0						10.6	7.8
ENE	.8	1.9	2.6	1.4	.0							6.7	7.7
E	.5	1.2	.9	.4	.0							3.4	6.4
ESE	.2	.4	.3	.2								1.0	6.3
SE	.2	.3	.2	.0								.8	4.9
SSE	.4	.3	.1	.0								.9	4.2
S	.5	.9	.4	.1								2.2	4.9
SSW	.7	1.2	.8	.4	.1	.0						3.2	6.6
SW	.9	2.4	3.0	2.6	.6	.2						9.7	9.3
WSW	1.1	1.9	3.9	3.3	.7	.1	.0					11.2	9.6
W	.9	2.2	3.2	2.6	.5	.1						9.6	9.0
WNW	.4	.6	.6	.4	.0							2.0	6.9
NW	.4	.9	.9	.5	.1	.0						2.5	7.6
NNW	.6	1.4	1.9	1.0	.1							3.1	7.7
VARBL	.7	.6	.3	.1	.0							1.7	4.8
CALM												16.3	
	11.7	23.7	26.7	16.8	2.4	.4	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 11216



1

DATA PROCESSING BRANCH  
BTAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SEMBACH AB GERMANY YEARS 56-72 DAY MONTH     

CLASS ALL WEATHER HOURS (L BY T) ALL

CONDITION     

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.8	1.7	.6	.0	.0						5.2	6.7
NNE	.8	1.3	.9	.2	.0							3.6	3.8
NE	1.3	3.2	3.4	1.4	.1							9.3	7.2
ENE	.8	2.3	2.5	1.0	.0	.0						6.7	7.2
E	.8	1.8	1.5	.6	.2	.1						4.7	7.3
ESE	.3	.4	.5	.1								1.3	6.2
SE	.4	.3	.2	.1	.0							1.0	3.2
SSE	.4	.3	.2	.1								.9	3.3
S	1.1	1.0	.4	.1		.0						2.6	4.6
SSW	.8	1.0	.7	.4	.1	.0	.0					3.0	4.9
SW	1.0	2.1	2.6	2.3	.6	.1						8.9	9.1
WSW	1.0	2.3	3.9	3.1	.6	.1	.0					11.1	9.1
W	1.2	2.9	3.7	2.9	.4	.1		.0				11.2	8.6
WNW	.4	.8	.7	.2	.0	.0						2.2	6.8
NW	.3	1.1	1.0	.4	.0							2.8	7.1
NNW	.6	1.0	1.2	.8	.0							3.4	7.0
VARBL	1.0	.6	.2	.1								1.9	3.9
CALM												20.5	
	13.0	24.4	25.7	13.9	1.9	.8	.0	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 12207

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 STATION      SEMBACH AF GERMANY STATION NAME      54-72 YEARS

ALL WEATHER CLASS

JUN MONTH  
ALL MONTHS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	1.0	1.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.3
NNE	0.7	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.7
NE	1.2	3.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.6	5.0
ENE	1.4	2.1	2.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.5
E	0.7	1.3	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	5.8
ESE	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	5.8
SE	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.7
SSE	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
S	1.0	1.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.5
SSW	0.7	1.2	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	6.1
SW	1.0	2.7	3.2	2.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.1	6.1
WSW	1.1	2.7	3.6	2.4	0.3	0.0	0.0	0.0	0.0	0.0	0.0	10.7	6.5
W	0.3	0.3	4.5	3.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	13.0	6.4
WNW	0.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	6.9
NW	0.3	1.3	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.8
NNW	0.6	1.4	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	6.4
VARBL	1.1	0.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	4.4
CALM												22.8	
	19.4	29.8	24.3	12.5	1.1	0.1	0.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 11769

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEYBACH AB GERMANY 53-72  
 STATION STATION NAME YEARS  
 ALL WEATHER  
 CLASS  
 JUL 1954  
 MONTH  
 ALL  
 HOUR PERIOD

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	1.2	.2	.0							4.3	5.8
NNE	.6	.9	.4	.1								2.0	3.0
NE	1.0	2.1	1.3	.5	.0							4.9	6.1
ENE	.9	1.6	.9	.1								3.3	5.3
E	.6	1.1	.7	.1								2.4	3.4
ESE	.2	.3	.2	.0								.7	1.1
SE	.2	.3	.1	.0								.7	1.1
SSE	.4	.2	.1									.7	1.1
S	1.0	.8	.4	.0								2.1	3.4
SSW	.9	1.2	1.0	.5	.0							3.3	5.3
SW	1.1	3.6	4.2	2.6	.3	.2	.0					12.2	8.6
WSW	1.1	3.1	3.1	3.3	.6	.1						13.5	9.0
W	1.2	3.3	3.1	3.3	.4	.1						13.6	8.3
WNW	.6	1.1	1.1	.3	.1	.0						3.4	5.1
NW	.3	1.0	1.0	.2	.0							2.7	4.4
NNW	.3	1.1	1.1	.2	.0							3.0	4.4
VARBL	1.3	1.0	.3	.0								3.0	4.1
CALM												23.7	
	13.3	24.9	24.3	11.7	1.6	.4	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 13030

DATA PROCESSING BRANCH  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056      SENBACH AB GERMANY      5972      AND  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      ALL  
CLASS      HOURLY

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.5	.1								2.3	3.1
NNE	.7	1.0	.4	.1								2.2	4.9
NE	1.2	2.5	1.5	.4								5.6	3.7
ENE	.7	1.7	1.2	.4								4.2	6.0
E	.7	1.3	.7	.2								3.0	3.6
ESE	.4	.8	.3	.1								.9	3.2
SE	.5	.6	.4	.1								1.5	3.3
SSE	.5	.4	.2	.1	.0							1.2	3.0
S	1.5	1.4	.6	.2								1.2	3.0
SSW	1.0	1.4	1.2	.5	.0	.0						4.2	6.5
SW	1.2	3.3	4.4	3.0	.5	.1	.0					12.7	6.7
WSW	1.0	3.4	3.7	4.0	.5	.1	.0					15.0	9.3
W	.9	3.0	4.1	2.7	.5	.1	.0	.0				11.2	6.6
WNW	.4	.7	.8	.2	.0							1.8	6.3
NW	.4	.7	.6	.1	.0							2.1	3.8
NNW	.5	.7	.6	.0								1.8	3.3
VARBL	1.8	1.2	.3	.2	.0							3.2	4.9
CALM												23.3	
	14.0	24.8	29.2	12.8	1.7	.9	.1	.0				100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 13325

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SEMDACH AB GERMANY  
STATION NAME

53-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS L E Y

UNDT 14

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.7	1.0	0.3	0.0	0.0							2.1	4.8
NNE	0.7	0.9	0.4	0.0	0.0							2.0	4.8
NE	1.0	3.6	2.5	0.3								8.1	8.7
ENE	1.4	3.2	2.4	0.3								7.3	6.0
E	0.7	1.3	1.3	0.4								4.1	6.4
ESE	0.4	0.4	0.4	0.1								1.2	6.1
SE	0.5	0.4	0.2	0.0								1.2	4.9
SSE	0.5	0.4	0.3	0.0								1.2	4.9
S	1.1	1.3	0.7	0.1		0.0						3.2	4.8
SSW	0.8	1.4	1.2	0.5	0.1	0.0	0.0					4.1	6.8
SW	1.1	3.0	4.4	2.9	0.7	0.0	0.0	0.0				12.9	9.3
WSW	0.8	2.4	4.0	4.1	0.7	0.2	0.0	0.0				12.7	9.8
W	0.8	2.1	2.8	3.1	0.4	0.0	0.0	0.0				8.4	8.7
WNW	0.3	0.4	0.4	0.1	0.1	0.0	0.0					1.2	7.3
NW	0.2	0.4	0.4	0.1	0.0							1.1	6.4
NNW	0.4	0.4	0.2	0.0								1.2	4.7
VARBL	1.1	0.7	0.4	0.1								2.3	4.6
CALM												29.9	
	13.6	23.7	22.0	11.4	2.0	0.0	0.1	0.0				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 12880

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

53-72  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURLY SET

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.0	.6	.1	.0							2.2	2.6
NNE	.8	1.1	.5	.1	.0							2.4	2.0
NE	1.9	3.6	2.0	.4	.0							8.0	3.7
ENE	1.5	3.6	2.1	.4	.0	.0						7.8	3.9
E	1.0	1.9	1.4	.2	.0							4.6	3.7
ESE	.3	.2	.8	.0								.8	3.3
SE	.3	.4	.2	.0								1.0	4.9
SSE	.4	.3	.1	.0								.9	4.2
S	1.3	1.0	.7	.2	.0							3.3	3.3
SSW	.9	1.3	1.2	.7	.2	.0						4.2	7.6
SW	1.2	3.3	4.6	4.2	.8	.1	.0					16.4	9.3
WSW	1.0	2.6	4.3	3.4	.6	.2	.0					12.2	9.3
W	.8	2.1	2.2	1.1	.2	.0						6.4	7.6
WNW	.2	.4	.2	.2								1.2	6.8
NW	.2	.4	.4	.1	.0							1.1	6.6
NNW	.2	.4	.4	.1	.0							1.2	3.8
VARBL	.8	.4	.4	.2	.0							1.9	3.9
CALM												26.4	
	13.6	24.2	21.0	11.4	2.0	.4	.0					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 12702

DATA PROCESSING BRANCH  
 ETAC/USAP  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

33-72  
YEARS

NDV  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS OF DAY

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.2	.6	.1								2.8	2.1
NNE	.9	1.2	.2	.2								2.7	4.9
NE	1.9	4.6	3.6	1.2	.0							11.4	6.3
ENE	1.9	3.5	3.9	1.0	.0							9.9	6.3
E	1.3	2.4	1.9	.6								6.1	6.1
ESE	.4	.7	.2	.1								1.4	2.6
SE	.4	.6	.4	.1	.0							1.5	2.6
SSE	.4	.5	.2	.1								1.3	2.6
S	1.2	1.4	1.0	.2	.0							2.8	2.6
SSW	.8	1.1	1.4	.7	.2	.0						4.2	7.6
SW	1.2	3.4	4.7	4.7	1.2	.6	.1	.0				16.0	10.2
WSW	.9	2.2	3.1	2.6	.9	.4	.1	.0				11.1	10.4
W	.8	1.6	1.9	1.3	.9	.1	.0	.0				5.9	6.6
W-W	.2	.4	.2	.0	.0							.9	2.6
NW	.2	.4	.2	.1								.9	2.6
NNW	.2	.7	.2	.1	.0							1.4	6.1
VARBL	.4	.1	.1	.4	.2	.0						1.3	9.9
CALM												18.3	
	13.7	26.2	23.1	14.5	3.0	1.1	.2	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 11992

1  
 DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 FROM HOURLY OBSERVATIONS.

34056  
 STATION

SENBACH AB GERMANY  
 STATION NAME

22-72

DEC

ALL WEATHER  
 CLASS

ALL

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	0.0	0.0	0.7	1.1	0.0							2.8	3.9
NNE	0.0	0.0	0.4	0.2	0.0							2.0	3.4
NE	0.7	3.0	2.2	0.0	0.0							6.0	6.1
ENE	0.0	0.0	0.3	0.0	0.0							7.0	6.1
E	0.0	2.0	0.3	0.2	0.0							6.0	3.9
ESE	0.0	0.0	0.3	0.1	0.0							1.2	3.7
SE	0.0	0.0	0.2	0.1	0.0							1.0	3.1
SSE	0.0	0.0	0.1	0.1	0.0							0.9	4.8
S	0.0	0.0	0.0	0.2	0.0							3.0	3.7
SSW	0.0	0.0	0.2	0.4	0.0							4.4	7.8
SW	0.0	0.0	0.7	0.7	0.0							19.1	11.9
WSW	0.0	0.0	0.7	0.6	0.1	0.0	0.2	0.1	0.0			12.9	12.1
W	0.0	0.0	0.3	0.2	0.0	0.0	0.1	0.0	0.0			9.0	10.0
WNW	0.0	0.0	0.0	0.2	0.1	0.0	0.0					1.1	8.9
NW	0.0	0.0	0.0	0.0	0.0	0.0		0.0				1.0	6.1
NNW	0.0	0.0	0.0	0.0	0.0	0.0		0.0				1.0	6.0
VARBL	0.0	0.0	0.1	0.1	0.0							1.1	3.4
CALM												19.9	
	11.9	23.8	22.9	18.2	5.2	1.9	0.2	0.1	0.0			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 12414



1  
 DATA PROCESSING CENTER  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

38058 SEMBACH AB GERMANY

54-68

JAN

ALL WEATHER

0000-0200

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	MEAN WIND SPEED
N	.3	.2	.4	.4	.	.	.	.	.	.	.	2.0	6.4
NNE	.9	.6	.5	.5	.2	.	.	.	.	.	.	2.0	7.0
NE	2.3	4.2	3.5	2.2	.2	.	.	.	.	.	.	12.5	7.2
ENE	1.5	2.7	2.2	1.7	.1	.1	.	.	.	.	.	9.2	7.4
E	.6	1.9	1.4	.4	.1	.	.	.	.	.	.	4.4	6.8
ESE	.2	.2	.1	.1	.	.	.	.	.	.	.	.9	5.6
SE	.2	.1	.	.	.	.	.	.	.	.	.	.4	3.0
SSE	.1	.2	.1	.1	.	.	.	.	.	.	.	.3	6.3
S	1.0	.9	.5	.	.1	.	.	.	.	.	.	2.4	8.2
SSW	1.1	1.4	1.6	.7	.2	.4	.	.	.	.	.	5.4	8.4
SW	1.2	2.9	3.4	3.9	2.7	1.4	.2	.	.	.	.	20.1	11.7
WSW	.2	1.4	4.2	3.1	1.2	.5	.	.	.	.	.	13.1	11.4
W	.6	1.4	2.2	1.2	.2	.1	.	.	.	.	.	3.5	9.4
WNW	.1	.4	.3	.3	.2	.	.1	.	.	.	.	1.4	10.4
NW	.2	.2	.2	.1	.	.	.	.	.	.	.	.9	6.3
NNW	.4	.4	.3	.1	.	.	.	.	.	.	.	1.3	4.8
VARBL	.2	.	.	.	.	.	.	.	.	.	.	.3	2.0
CALM	.	.	.	.	.	.	.	.	.	.	.	17.0	.
TOTAL NUMBER OF OBSERVATIONS												100.0	7.5

1395

1  
 DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 FROM HOURLY OBSERVATIONS

10050

SEEBACH AB GERMANY

54-72

0300-0300

ALL WEATHER

0300-0300

SPEED KNT'S DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	N	MEAN WIND SPEED
N	1.0	.7	.7	.8								2.7	5.8
NNE	.7	1.4	.2	.5	.1	.1						2.9	6.8
NE	1.9	4.5	3.0	2.4	.1	.1						11.9	7.1
ENE	1.7	2.7	3.0	1.6	.1	.1						9.2	7.3
E	.5	2.0	1.3	.2								4.0	6.1
ESE	.5	.6	.3									1.4	4.9
SE	.2	.2										.4	3.2
SSE	.1	.3										.4	4.5
S	.9	1.0	.4	.5	.1							2.9	6.5
SSW	.7	1.8	1.3	1.0	.1							4.9	7.4
SW	1.0	4.2	4.7	4.3	1.6	2.2						20.1	11.5
WSW	.7	2.2	4.1	4.3	1.2	.6						13.2	11.0
W	.7	1.0	1.6	1.4	.3		.1					5.2	6.4
WNW	.2	.2	.1	.3			.1	.1				1.0	11.3
NW	.1	.1	.1	.1								.7	6.8
NNW	.4	.2	.1									.7	3.8
VARBL	.5	.3	.1	.1	.1							1.0	8.7
CALM												19.4	
	11.9	22.8	21.2	19.2	2.6	2.1	.2	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1687

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEEBACH AB GERMANY

56-72

JAN

ALL WEATHER

0800-0800

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.9	.6	.1								2.2	3.3
NNE	.7	1.0	.4	.4	.4							3.0	7.6
NE	1.7	4.2	2.0	1.6	.1							10.7	7.0
ENE	2.0	3.1	2.8	1.6	.2	.1						9.6	7.1
E	1.3	2.0	1.3	.6	.1							5.2	6.0
ESE	.4	.2	.1									.7	4.2
SE	.4	.1	.1									.6	2.7
SSE	.1	.2										.4	1.8
S	1.4	.7	.6	.4	.1							3.2	3.1
SSW	1.1	1.7	1.5	.7	.1	.1						5.2	7.4
SW	1.2	3.9	3.6	6.0	1.9	1.7	.1					18.9	11.7
WSW	1.1	1.7	3.3	4.8	.9	.5	.2					12.9	11.2
W	.5	1.1	2.3	1.6	.4	.2						6.1	9.9
WNW	.2	.1	.1	.2								.7	2.2
NW	.1	.1	.1	.1		.1						.4	9.2
NNW	.4	.2	.2	.1								.9	4.9
VARBL	1.0	.5	.1	.1	.1							1.8	4.9
CALM												18.1	
	14.6	21.8	19.9	18.2	4.2	2.7	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1620

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

5472

JAN

ALL WEATHER

0800-1100

COND. F. ON

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.0	.0	.2	.2							2.0	2.5
NNE	.0	.0	.0	.0	.0	.2						2.9	3.1
NE	2.0	3.7	3.1	1.7	1.5	.2						11.0	7.3
ENE	1.0	3.0	3.0	1.4	.3							9.3	7.2
E	1.0	2.4	2.0	.5								6.1	6.2
ESE	.0	.0	.2									1.0	4.0
SE	.0	.0	.2	.1								.7	3.4
SSE	.0	.0	.2	.1								1.2	3.2
S	1.0	1.5	.7	.2								2.4	3.4
SSW	1.0	1.6	1.7	1.0	.5							6.0	7.9
SW	1.0	2.4	4.2	6.2	2.8	1.0	.1					18.8	11.8
WSW	.0	1.0	3.7	4.3	2.2	.7						12.8	11.6
W	.0	1.0	1.5	1.5	.4	.1						3.1	10.0
WNW	.0	.0	.2	.1		.1						.9	6.7
NW	.0	.0	.2									.6	3.3
NNW	.0	.0	.2		.1							.9	3.8
VARBL	1.0	.0	.1	.2	.1							2.1	4.8
CALM												15.1	
	14.1	20.8	22.4	17.9	7.3	2.4	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1641

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SENBACH AB GERMANY

5672

JAN

ALL WEATHER

1200-1400

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.5	.6	.4								4.1	5.4
NNE	.7	1.6	.9	.4	.2	.2						3.9	7.7
NE	.5	3.6	3.3	2.2	.1	.1						10.3	9.0
ENE	1.0	3.9	3.2	1.6	.2	.1						9.9	7.6
E	.8	2.0	2.1	.7	.1							2.8	7.1
ESE	.4	.5	.5	.1								1.5	2.4
SE	.4	.3	.2	.1								1.0	2.3
SSE	.1	.3	.2	.1								.7	2.3
S	.7	.4	.1	.2								1.4	3.1
SSW	.2	.8	.8	1.5	.6		.1					4.1	10.9
SW	.4	1.8	4.5	6.4	2.8	2.0	.2					17.7	13.2
WSW	.8	3.6	3.8	3.6	1.4	.9						16.1	10.9
W	.5	1.9	2.5	3.0	.7	.2						8.8	10.4
WNW		.2	.2	.3	.1							.7	2.9
NW	.1	.3	.6	.1								1.0	7.6
NNW	.4	.9	.6	.2								2.1	6.1
VARBL	1.0	.5		.4	.1							2.0	3.7
CALM												8.8	
	9.8	24.2	24.2	23.4	5.8	3.5	.3					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1650

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

5472

JAN

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1500-1700  
 HOURS (LST)

CONDITION

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	.6	.2								4.0	5.3
NNE	1.2	1.7	.4	.2	.4	.1						4.0	6.7
NE	1.2	3.6	3.0	2.0	.2							14.0	7.3
ENE	1.2	3.7	2.4	1.7	.1							9.1	7.1
E	1.0	2.3	2.3	.9	.3							6.9	7.1
ESE	.5	.2	.1	.1								.7	5.2
SE	.1	.2	.2	.1								.7	6.1
SSE	.2	.1	.1	.1								.4	5.3
S	.4	1.1	.3	.4	.1	.1						2.3	7.0
SSW	.2	1.3	1.0	1.2	.4	.2						4.2	10.1
SW	.4	2.3	3.9	3.6	2.0	1.0	.2					19.6	12.3
WSW	1.0	2.1	4.8	3.2	2.4	.3	.1					16.0	11.2
W	1.0	1.7	2.1	2.2	.5	.2						7.8	9.3
WNW	.3	.2	.7	.2								1.6	7.3
NW	.4	.6	.4	.2								1.7	6.5
NNW	.2	.7	.4	.2								1.7	6.4
VARBL	.9	.6	.1	.4	.2							2.2	7.1
CALM												7.3	
	11.2	26.9	24.7	21.1	6.6	1.9	.2					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1434

1

DATA PROCESSING BRANCH  
 DTIC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SENBACH AB GERMANY YEARS 54-68 MONTH JAN  
 CLASS ALL WEATHER HOURS 1800-2000

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	.0	.1	.1							2.9	0.1
NNE	.4	1.1	.6	.2		.4		.1				2.8	0.1
NE	1.9	4.0	4.4	1.7	.2							13.1	7.2
ENE	1.6	3.1	3.3	1.3	.2							9.7	7.3
E	1.2	2.3	1.6	.5								5.9	0.0
ESE	.1	.4	.2	.1								.9	0.3
SE	.5	.1	.1									.8	0.7
SSE	.5	.4	.1	.1								1.1	4.9
S	.8	1.0	.7	.4								2.9	0.3
SSW	.5	1.7	1.7	.9	.4	.2						2.4	2.9
SW	.6	2.0	6.9	6.7	2.2	.9						19.1	11.8
WSW	.7	2.0	3.6	3.2	1.3	.4	.1					12.3	11.1
W	.5	.3	1.9	1.4	.3	.2						4.9	10.3
WNW	.3	.3	.6	.1	.1							1.4	7.4
NW	.1	.6	.2	.1								1.1	0.4
NNW	.4	.3	.2	.4	.1	.1						1.6	0.4
VARBL	.1	.1										.1	2.3
CALM												13.0	
	11.1	22.2	26.7	19.4	8.2	2.2	.3	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1892

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

54-68  
YEAR

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS U.T.

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	.8	.2		.1						2.2	5.9
NNE	.9	.7	.6	.5	.4	.1						2.2	6.4
NE	.9	3.7	3.8	2.2	.1	.2						10.9	7.9
ENE	1.3	2.7	3.4	1.5	.4							9.2	7.8
E	1.1	2.5	1.6	.8								5.9	6.5
ESE	.1	.1	.2	.1								.6	8.0
SE	.3			.1								.4	2.8
SSE	.2	.2	.1									.5	3.9
S	.5	1.1	.7	.3	.1							2.7	6.6
SSW	1.3	1.8	2.2	.9	.4	.1						5.9	7.4
SW	.6	3.4	3.2	6.2	2.7	1.4	.1					19.6	11.9
WSW	.6	1.9	4.1	4.9	1.4	.4	.1					12.5	11.2
W	.3	1.2	2.2	.9	.3	.1	.1					5.4	9.3
WNW	.3	.1	.3	.2								1.0	7.4
NW	.1	.1	.4	.1								.7	7.3
NNW	.2	.1	.4	.1								.9	7.3
VARBL	.1											.1	3.0
CALM												16.3	
	9.9	20.4	26.2	19.2	8.3	2.4	.4					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1895



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

54-68

FEB

ALL WEATHER

0000-0200

CONDITION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1	1.2	.5								3.4	7.0
NNE	.5	.6	.8	.8	.3	.2						1.1	10.2
NE	1.7	5.2	4.5	2.3	.6	.2						16.4	7.8
ENE	1.3	2.8	2.6	.6		.1						7.2	6.6
E	.7	.9	.9	.1								2.5	3.9
ESE	.2		.1	.1								.5	2.0
SE			.1									.1	7.0
SSE	.3	.2										.5	3.3
S	.9	.6	.2	.3	.2							2.3	6.3
SSW	1.3	1.4	1.3	.9	.1	.1						2.1	7.2
SW	.2	1.9	4.4	4.3	1.3	1.3						12.4	11.8
WSW	.8	1.3	4.0	3.3	1.2	.6	.1	.1				12.8	11.7
W	1.2	1.2	2.0	1.7	.2							6.1	8.1
WNW	.1	.7	.6	.2								1.3	7.3
NW	.3	.4	.2	.2								1.1	6.1
NNW	.2	.7	.3	.3			.2					1.7	9.0
VARBL	.3											.3	1.8
CALM												23.2	
	10.6	19.0	23.2	17.6	3.7	2.4	.2	.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1272

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

5672  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0800-0900  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	1.5									2.0	4.1
NNE	.4	.7	.7	.8	.2	.1						2.1	2.9
NE	1.7	3.2	4.0	2.5	.2	.2						14.1	7.7
ENE	1.6	3.2	2.5	.4								7.8	6.0
E	.7	.8	.7	.4								2.4	2.7
ESE	.2	.2	.1									.5	2.4
SE			.1									.1	7.0
SSE	.4	.1										.5	2.7
S	1.8	1.2		.1								2.6	2.8
SSW	1.0	1.2	1.5	.7	.2							2.0	7.2
SW	1.0	2.3	4.2	3.6	1.9	.5						12.9	10.8
WSW	.9	1.2	3.6	4.6	1.7	.7	.1					12.0	12.0
W	.2	1.8	2.9	2.4	.2	.1	.1	.1				7.7	9.9
WNW		.1	.1	.2	.1							.9	12.3
NW	.4	.2	.1	.1								.7	2.2
NNW	.2	.6	.8	.4								2.1	7.2
VARBL	.1											.1	1.2
CALM												22.8	
	11.8	20.2	22.0	16.1	4.8	1.7	.4	.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1222

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

30-72  
YEAR

FEB  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS U.T.

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	1.0	2.0								3.3	3.0
NNE	0.0	1.0	1.0	2.0	1.0							3.7	7.0
NE	0.0	4.0	4.0	2.0	1.0							14.3	7.1
ENE	0.0	3.0	1.0	1.0	1.0							8.2	5.9
E	0.0	1.0	2.0	2.0								2.5	4.7
ESE	0.0	1.0	2.0									1.7	4.2
SE	0.0	1.0	1.0									1.2	2.2
SSE	0.0	1.0	1.0	1.0								2.7	5.0
S	0.0	1.0	1.0	1.0	1.0							2.7	5.0
SSW	0.0	1.0	1.0	1.0	1.0							2.2	7.1
SW	0.0	4.0	1.0	1.0	1.0	1.0						14.9	10.1
WSW	0.0	1.0	1.0	4.0	1.0	1.0						10.4	11.2
W	0.0	2.0	1.0	1.0	1.0	1.0	1.0					7.2	8.2
WNW	0.0	1.0	1.0	1.0	1.0							1.2	9.0
NW	0.0	1.0	1.0	1.0	1.0							1.8	8.2
NNW	0.0	1.0	1.0	1.0	1.0							1.4	6.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	2.0
CALM												20.8	
	14.7	24.0	17.2	17.2	4.0	1.1	1.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1468

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

56-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURLY PERIOD

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.2	.5	.1								2.8
NNE	1.1	1.3	1.0	.8	.1	.1						4.4
NE	1.3	3.1	3.8	1.9	.6	.1						12.8
ENE	1.4	3.4	2.4	.8	.1							7.9
E	.7	1.8	1.6	.3								4.4
ESE	.1	.2	.2									.3
SE	.5	.1	.1									.8
SSE	.3	.2										.3
S	.3	1.0	.5	.2	.1							2.6
SSW	1.3	1.1	1.6	.7	.3							3.0
SW	1.3	2.3	2.9	3.1	1.3	.3						13.2
WSW	1.0	1.6	3.0	3.2	1.4	.4	.1					12.7
W	.6	1.4	3.0	2.7	.3	.1						8.1
WNW	.2	.4	.5	.3	.1							1.8
NW	.1	.3	.4	.1	.1							1.0
NNW	.6	1.0	.7	.2	.1							2.6
VARBL	.3	.1	.1	.3								1.0
CALM												18.0
	12.1	23.0	22.6	18.6	4.4	1.2	.1					100.0

TOTAL NUMBER OF OBSERVATIONS 1462

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 34056 STATION NAME SEIBACH AB GERMANY YEARS 54-72 MONTH FEB  
 CLASS ALL WEATHER HOURS 1200-1400

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.1	.8	.1								4.4	2.0
NNE	.5	2.0	1.3	.7	.3							4.9	7.4
NE	.7	4.2	3.4	3.0	.7	.1						14.2	8.8
ENE	.5	2.7	3.6	1.2	.1							9.2	7.7
E	.5	1.2	1.2	.5	.1							3.5	7.2
ESE	.5	.8	.2									.8	4.9
SE	.5	.1	.3									.7	3.3
SSE	.5	.4	.1									.2	4.3
S	.5	.7	.7	.3	.1							2.1	7.4
SSW	.5	.9	1.3	.8								2.4	7.8
SW	.5	2.3	3.9	4.9	1.8	.7	.2					14.0	11.8
WSW	.5	1.0	2.9	6.9	2.5	.7	.2					14.2	13.2
W	.5	2.5	3.2	3.5	1.0	.1						11.0	10.3
WNW	.4	.5	.3	.6	.1	.1						2.0	8.5
NW	.5	.8	.7	.2	.1							2.7	7.5
NNW	.5	1.6	1.0	.6								3.8	6.8
VARBL	.7	.3	.5	.1								1.6	4.8
CALM												8.1	
	9.2	23.4	27.0	22.8	6.7	1.8	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1400

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

54-72  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
NO. OF LST

COND TYP

SPEED KNTS DIR	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.3	1.0	.4								3.6	6.2
NNE	.5	1.8	1.4	.2	.3							6.4	7.3
NE	1.4	3.5	6.7	3.1	1.8	.1	.1					17.6	9.3
ENE	.4	2.7	3.3	1.0	.1							7.7	7.7
E	.8	1.6	1.1	.6								4.0	6.7
ESE	.1	.8	.2	.1								1.2	3.8
SE	.5	.8	.2									1.3	4.9
SSE	.2	.3	.2									.7	3.0
S	.4	1.0	.3	.1		.1						2.1	6.4
SSW	.3	.8	1.0	1.4	.1	.1						2.6	9.3
SW	.4	1.8	2.9	4.9	1.4	.3		.1				12.0	11.6
WSW	.6	1.2	2.7	6.4	1.2	.3	.4	.1				12.0	12.4
W	.7	2.8	3.3	2.9	1.2	.4		.1				11.9	10.1
WNW	.6	.4	1.2	.4	.1							2.8	7.8
NW	.2	1.3	.6	.3	.3							3.3	8.0
NNW	.3	1.3	.7	.3								3.2	6.7
VARBL	.6	.2	.3									1.4	3.0
CALM												6.6	
	9.2	26.0	27.9	22.5	9.5	1.8	.6	.1				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 1683

1

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 STATION SEMBACH AB GERMANY STATION NAME

24-08-70

FEB

ALL WEATHER CLASS

1800-2000

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.0	1.2	.2	.1							3.3	6.5
NNE	.9	1.1	.7	.5	.4	.1						3.7	8.1
NE	3.1	6.2	5.0	2.8	.6	.2						18.0	7.5
ENE	2.4	3.1	2.3	.5								8.2	3.6
E	1.1	2.4	.3	.1								1.9	4.5
ESE	.4	.8										.7	3.2
SE	.5	.4	.1									.9	3.9
SSE	.5	.3	.2									1.2	3.9
S	.6	1.2	.9	.4	.2							1.2	7.3
SSW	.5	1.4	1.5	.8								4.2	7.2
SW	.7	2.4	2.9	4.3	1.2	.3	.1	.1				12.0	10.9
WSW	.4	1.7	2.4	3.6	1.2	.4	.1					9.8	11.3
W	1.6	2.6	2.7	2.9	.3							10.3	8.6
WNW	.3	.6	.4	.5	.1	.1						2.0	8.3
NW	.4	.8	.2	.5	.1							1.9	7.3
NNW	.6	.5	.6	.1	.1							2.0	8.1
VARBL	.2											.2	2.5
CALM												14.7	
	14.8	26.2	21.4	17.1	4.8	1.1	.2	.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1275

DATA PROCESSING BRANCH-  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

54-68

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS, U.T.

LAND USE

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.1	1.1									2.9	5.7
NNE	.6	.4	.5	.7	.5	.1						2.7	10.4
NE	2.8	3.6	5.0	2.0	.9	.3						14.6	8.0
ENE	1.5	3.0	2.3	.6								7.3	6.1
E	.8	.9	1.3	.2								3.1	6.0
ESE	.5	.1								.1		.6	8.6
SE	.5	.4	.1									.9	3.4
SSE	.6	.4	.2									1.2	4.5
S	1.2	1.3	.8	.2	.2							3.7	3.7
SSW	.9	.9	1.0	.6	.1							3.5	6.9
WSW	1.0	2.2	3.9	4.3	.6	.6						12.9	10.5
W	.8	1.5	2.8	3.9	1.9	.2	.2					11.3	11.7
WNW	.3	.4	.2	.5	.3							7.3	9.5
NW	.3	.2	.5	.6			.1					1.5	10.4
NNW	.2	.8	.6	.2	.1							1.9	7.9
VARBL	.5											.3	1.1
CALM												22.6	
	13.6	18.7	22.7	16.3	4.5	1.2	.2			.1		100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1270



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

24-68  
YEAR

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
COLLECTOR

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.7	.2								2.7	0.0
NNE	1.1	.9	.1	.3	.1	.1						2.2	0.3
NE	1.3	3.6	3.9	2.2	.4	.1						11.5	8.1
NNE	1.3	2.7	3.4	1.1								8.6	7.1
E	.7	1.8	1.5	.4								4.4	0.4
ESE	.1	.2		.1								.2	0.7
SE	.4	.6		.1								1.1	4.8
SSE	.3	.1										.4	3.2
S	.6	1.1	.2	.1	.2							2.3	0.1
SSW	.4	.6	.9	.3								2.2	7.0
SW	1.0	2.2	2.3	2.3	.4	.9	.1					8.7	9.3
WSW	.8	1.3	3.2	4.4	1.4	.6	.1					12.0	11.7
W	.9	2.6	3.1	1.9	.3	.1	.1					8.9	8.5
WNW	.3	.5	.6									1.4	3.0
NW	.2	1.1	.3	.1								1.7	3.8
NNW	.2	.8	.1									1.1	4.8
VARBL	.2	.1										.2	1.8
CALM												29.6	
	10.5	21.4	27.2	14.1	2.8	1.2	.2					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1899

4  
1

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEMBACH AB GERMANY

24-72

MAR

ALL WEATHER

0800-0500

CONDITION

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	.8	.1								2.8	2.5
NNE	1.1	1.0	.3	.3	.1							2.8	2.4
NE	1.4	4.1	3.7	2.2	.5	.3						12.1	6.1
ENE	1.2	3.2	2.4	1.0	.1							7.8	6.8
E	1.1	1.4	1.5	.3								4.3	6.1
ESE	.1	.4		.1								.5	2.5
SE	.1	.1										.2	3.0
SSE	.1	.5	.1									.6	3.0
S	1.1	1.2	.3	.2								2.9	3.5
SSW	.8	.7	.7	.3	.1							2.9	6.3
SW	1.2	2.2	3.0	2.5	.7							9.7	9.0
WSW	1.0	1.6	3.7	3.8	.8	.6	.1					11.6	10.9
W	1.1	2.2	2.2	2.6	.4	.3						8.8	9.0
WNW	.2	.5	.2	.1								1.0	6.3
NW	.3	.6	.3									1.2	4.8
NNW	.3	.9	.3	.1								1.6	3.4
VARBL	.4											.4	1.3
CALM												28.8	
	11.8	22.0	19.8	13.7	2.6	1.2	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1478

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

54-72  
FEET

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 - 53	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	.7	.2								2.8	2.0
NNE	.5	1.2	.4	.2	.1	.1						2.5	6.3
NE	1.6	4.3	4.3	2.0	.4	.1						12.6	7.7
ENE	1.0	4.0	3.1	.3								6.7	6.3
E	.6	1.1	.7	.3								2.7	6.1
ESE	.3	.2	.1	.1								.8	3.3
SE	.1	.1	.1									.3	4.4
SSE	.5	.3	.1									.9	3.4
S	1.9	.8	.6	.2	.2							3.7	3.3
SSW	.7	.9	.6	.4								2.6	6.1
SW	1.2	2.6	3.2	3.4	.7							11.1	9.1
WSW	1.0	2.5	3.2	4.3	.9	.4						12.2	10.2
W	.4	2.2	2.3	1.7	.4	.1						7.1	6.9
WNW	.2	.4	.2									.7	4.8
NW	.1	.3	.4	.1								1.2	6.4
NNW	.3	.9	.2	.4								1.8	6.3
VARBL	.5	.2	.1	.1								.9	4.4
CALM												27.4	
	11.9	22.6	20.2	13.9	2.7	.7						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1628

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

5472

MAR

ALL WEATHER

0900-1100

CONDITION

SPEED KNTS; DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.6	.7	.4								3.4	3.9
NNE	.9	1.5	.8	.2		.1						3.4	6.1
NE	.8	2.9	4.3	2.6	.2	.1						10.9	8.6
ENE	1.0	3.4	3.4	1.1	.2							9.1	7.3
E	.4	1.9	1.9	.7	.1							4.9	7.3
ESE	.2	.4	.6	.2								1.3	7.2
SE	.2	.4	.1	.2								1.0	6.2
SSE	.4	.4	.2	.1								1.1	5.2
S	.7	.4	.5	.2	.2							2.0	6.9
SSW	.5	.7	1.2	1.0								3.4	8.1
SW	.9	1.5	3.8	4.3	1.0	.2						11.8	10.4
WSW	.6	1.8	4.5	4.1	1.3	.4	.1					12.9	11.0
W	.5	1.7	3.2	3.4	.3	.2						9.2	9.8
WNW	.1	.5	.7	.4								1.6	8.1
NW	.4	1.0	.5	.4								2.4	7.0
NNW	.9	1.2	.9	.2	.1							3.4	6.4
VARBL	.7	.7	.9	.2								2.4	6.0
CALM												16.0	
	9.9	21.8	28.2	19.6	3.5	.9	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1640

1

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEMBACH AB GERMANY

3672

MAR

ALL WEATHER

1200-1400

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	.9	.2								3.9	3.6
NNE	.4	1.9	1.4	.1	.1	.1						4.1	7.0
NE	.4	3.2	3.6	2.6	.2	.1						12.2	8.7
ENE	.7	2.6	4.6	2.0	.2							10.1	8.4
E	.7	1.3	2.8	1.3	.1							6.4	8.2
ESE	.4	.4	.5	.6								1.8	7.9
SE	.1	.7	.2	.1								1.0	6.0
SSE	.1	.2	.2			.1						.7	7.1
S	.4	.8	.7	.4	.1	.1	.1					2.3	8.7
SSW	.1	.7	1.0	.8	.2							2.8	9.4
SW	.2	.7	1.9	4.3	1.2	.4	.1					8.9	12.7
WSW	.4	1.3	3.7	6.2	1.1	.6	.2					13.7	12.0
W	1.0	2.3	4.7	3.4	.6	.1						14.1	9.8
WNW	.2	.7	.8	.6	.1							2.4	8.7
NW	.3	.8	1.1	.6	.1	.1						2.9	8.6
NNW	.9	1.3	1.3	1.0	.1							4.8	7.8
VARBL	.9	1.2	.6	.2	.1							3.0	3.8
CALM												4.7	
	8.0	22.5	32.1	26.9	4.1	1.8	.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1033

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SEMBACH AB GERMANY YEAR 54-72 MONTH MAR  
 CLASS ALL WEATHER HOURS 1500-1700

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.2	1.8	.4	.1							2.9	7.0
NNE	.5	1.2	1.2	.5	.1	.1						2.8	7.9
NE	.5	4.4	5.4	2.6	.4	.1						12.4	8.4
ENE	.6	3.3	4.4	2.2	.2							10.8	8.2
E	.6	2.2	2.7	1.2	.1	.1						7.2	8.2
ESE	.2	.6	.8	.4								2.0	7.5
SE	.1	.2	.2	.2								.7	8.5
SSE	.5	.7	.5	.1	.2							1.9	6.6
S	.1	1.2	1.5	.4	.1							2.2	7.8
SSW	.1	.7	1.0	.2	.1	.1						2.4	9.0
SW	.4	.9	2.1	4.4	.8	.2	.1					8.9	11.9
WSW	.4	1.2	2.9	3.9	1.6	.2						10.6	11.7
W	.9	1.6	3.0	5.2	1.3	.4						14.9	10.9
WNW	.1	.4	1.2	1.0								2.7	9.2
NW	.4	1.4	1.5	1.5	.2							4.7	9.0
NNW	.4	1.2	1.1	.2	.1							2.4	8.8
VARBL	.9	.8	.7	.1								2.4	5.0
CALM												3.5	
	7.1	23.8	33.9	24.9	5.2	1.5	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1044

DATA PROCESSING BRANCH  
 DTIC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

54-69,72  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS LST

CONDITION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.3	1.1	.6	.1							4.1	6.9
NNE	1.6	1.5	.2	.5	.2	.1						4.2	6.3
NE	1.9	3.9	4.2	2.0	.4							12.4	7.4
ENE	1.2	2.9	3.3	1.6	.2							9.2	7.5
E	1.8	2.6	2.9	.6								6.1	6.3
ESE	.8	.6	.6	.1								2.1	3.3
SE	.4	.2	.2	.1								1.7	6.0
SSE	.3	.2	.1	.2								1.1	6.1
S	1.1	1.2	.6	.1								3.1	3.0
SSW	.4	1.1	1.1	.3	.1							3.0	7.0
SW	1.1	1.6	2.2	2.8	.4							8.1	9.3
WSW	.6	1.8	3.1	2.9	.8	.4						9.6	10.2
W	1.0	3.6	4.1	2.1	.8	.1						11.7	8.6
WNW	.2	.9	1.1	.7								3.0	7.7
NW	.1	.9	1.3	.1	.1							2.4	7.2
NNW	.7	1.3	.9	.2	.1							3.3	6.4
VARBL	.1											.1	1.0
CALM												13.7	
	14.2	23.9	27.2	13.2	3.3	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1899

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SEMBACH AB GERMANY  
STATION NAME

24-68  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS U.S.T.

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.1	.2	.1							3.6	6.2
NNE	.7	.9	.6	.6	.1							2.9	7.8
NE	2.2	2.5	2.9	1.6	.2	.2						9.7	7.8
ENE	1.2	3.2	3.2	1.4	.1							9.2	7.4
E	1.0	1.4	2.7	.7								5.2	6.9
ESE	.5	.3	.4	.1								1.3	5.7
SE	.4	.2	.2		.1							1.0	5.9
SSE	.4	.2		.1								1.2	5.6
S	1.4	.9	.2	.2	.1							2.9	5.4
SSW	.7	.9	1.0	.1								2.7	5.9
SW	.7	2.2	3.2	1.9	.4	.1						8.5	6.7
WSW	.9	1.9	2.9	3.4	.5	.4	.1					10.3	10.6
W	.9	2.6	3.7	1.4	.2							8.9	8.3
WNW	.2	.8	.8									1.8	6.5
NW	.4	.6	.4	.1								1.6	5.6
NNW	.4	1.5	.5	.1								2.5	5.4
VARBL	.2											.2	1.0
CALM												25.9	
	13.4	21.5	24.2	12.1	1.9	.9	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1293



DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

54-68  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED KNTS; DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.9	1.7	.5								6.5	6.0
NNE	.9	1.0	.9	.8	.1							3.1	6.5
NE	1.3	3.9	2.7	2.1	.1							10.0	7.3
ENE	1.3	2.4	2.1	1.6								7.6	7.2
E	1.0	.4	.4	.1								2.0	4.9
ESE		.1										.1	6.0
SE	.1	.2										.4	3.4
SSE	.4	.1										.3	2.7
S	1.0	1.1	.1	.1								2.4	4.0
SSW	1.2	1.1	.4	.2	.1							3.1	5.5
SW	1.5	2.7	2.5	2.4	.1	.1						9.6	6.0
WSW	1.7	1.6	2.8	1.6	.2	.1						8.1	6.0
W	1.0	1.3	1.9	1.6	.1							6.1	6.3
WNW	.2	.2	.1	.1								.7	6.1
NW	.6	.7	.5	.1	.1	.1						2.0	6.3
NNW	.9	1.7	1.3	.4								4.4	6.2
VARBL	.7											.7	1.4
CALM												32.0	
	15.2	21.9	17.5	11.4	.9	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

1880

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR MOBILITY SERVICE/YAC

# SURFACE WINDS

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

34056 SEFBACH AB GERMANY

84-72

APR

ALL WEATHER

0300-0500

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.1	2.1	.7	.1							5.0	7.1
NNE	1.0	1.1	.9	.4								3.4	6.1
NE	1.0	4.8	3.4	1.7	.1							11.0	7.1
ENE	.8	1.0	1.2	.8								4.7	6.8
E	.4	.2		.1								.7	3.1
ESE	.8											.2	2.3
SE	.1	.1										.2	3.3
SSE	.7	.1										.8	2.7
S	1.2	1.2	.1									2.3	3.8
SSW	.8	1.0	.5	.1								3.2	3.1
SW	1.4	3.5	3.6	2.0	.3	.1						10.7	7.8
WSW	1.3	1.9	2.9	2.5	.2	.1	.1					9.3	7.8
W	1.1	2.0	1.7	1.3	.4	.1						6.4	6.0
WNW	.2	.4	.4									.9	3.8
NW	.4	1.1	.2	.1								1.7	6.9
NNW	.5	1.1	1.3	.4	.1							3.4	7.0
VARBL	.4	.1										.6	3.0
CALM												34.7	
	12.4	22.8	18.4	10.2	1.1	.2	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1627

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

5472  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS U.S.T.

CONDITION

SPEED (KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.0	2.5	2.0	.0								5.9	6.0
NNE	.7	3.9	1.6	.5	.1							3.8	7.2
NE	1.6	3.7	3.0	1.8	.2							10.2	7.2
ENE	.9	1.8	2.2	.9	.1							5.9	7.2
E	.6	.6	.1	.1								1.4	4.3
ESE	.2	.1										.3	3.0
SE	.2		.1									.3	4.0
SSE	.4	.1										.7	2.4
S	1.8	.8	.1									2.6	3.1
SSW	1.4	1.4	.8	.5								4.2	3.7
SW	1.6	3.3	3.0	2.9	.4	.2						11.2	3.3
WSW	1.5	2.3	4.0	3.0	.3							11.1	3.6
W	.9	2.3	1.7	1.1	.1							6.2	7.2
WNW	.2	.4	.2									.9	4.8
NW	.2	.8	.2	.1								1.3	3.6
NNW	.4	1.2	1.8	.4								3.8	3.8
VARBL	.4	.1			.1							.6	4.2
CALM												29.6	
	14.0	22.4	20.9	11.8	1.1	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 1389

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

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

34056 SEYBACH AB GERMANY  
STATION STATION NAME

54-72  
YEAR

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURLY PERIOD

COND T CH

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	1.9	1.1	.1							6.6	7.0
NNE	.4	1.3	2.1	.7	.1							4.0	7.9
NE	.4	2.7	4.3	2.4	.2							10.0	8.7
ENE	.8	1.8	3.4	1.6	.2							7.8	8.2
E	.4	1.0	1.2	.3								3.0	7.0
ESE	.1	.4	.3	.1								.9	6.7
SE	.2	.3	.3	.1								.9	6.1
SSE	.4	.3	.1									.9	4.1
S	.3	.4	.4									1.1	3.1
SSW	.7	1.3	1.1	.6	.2	.1						4.1	7.8
SW	.6	2.1	4.4	4.3	.9	.6						12.7	10.4
WSW	.6	2.0	4.9	4.9	.9	.1						13.9	10.1
W	1.1	2.0	4.0	3.3	.4	.1						10.9	9.1
WNW	.2	.7	.6	.8								2.3	8.0
NW	.3	.6	1.3	.4	.1							3.0	7.8
NNW	.3	1.4	2.0	1.3	.1							3.3	8.0
VARBL	1.4	1.3	.6									3.3	4.2
CALM												9.2	
	9.9	22.1	32.9	21.9	3.3	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1982

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34050  
STATION

SENBACH AB GERMANY  
STATION NAME

54-72  
TIME

APR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
NO. OF OBS.

LONGITUDE

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.3	2.1	1.4	.2							7.0	7.6
NNE	.4	1.3	1.8	.9	.1							4.6	7.0
NE	.7	1.7	4.4	2.7	.3	.1						9.9	9.2
ENE	.4	1.4	3.3	2.7								7.7	9.0
E	.5	1.3	1.6	1.1	.1							4.7	8.2
ESE	.1	.5	.6	.6								1.8	8.6
SE	.3	.4	.2	.1								1.0	6.1
SSE	.1	.4	.2									.8	6.3
S	.2	.4	.7	.2								1.6	7.3
SSW	.1	.6	.3	.4	.1							2.3	8.3
SW	.4	1.3	3.2	3.6	1.0	.2						9.9	11.0
WSW	.6	1.4	4.2	6.2	1.3	.1	.1					13.9	11.3
W	.4	2.2	5.0	4.7	1.0	.3						13.3	10.3
WNW	.6	.6	1.0	.7	.1							3.0	7.6
NW	.3	1.1	1.3	1.2	.2							4.4	8.9
NNW	.6	1.1	2.7	1.1	.1							5.7	7.9
VARBL	1.2	1.7	.9	.2	.1							4.0	5.4
CALM												4.0	
	7.6	20.3	35.0	27.9	4.5	.7	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1281

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34050 SEMBACH AB GERMANY

54-72

APR

ALL WEATHER

1800-1700

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	N	MEAN WIND SPEED
N	.5	2.6	3.0	1.2	.1							7.4	7.7
NNE	.3	1.3	1.7	.6	.1							4.0	7.6
NE	.5	2.2	4.8	2.1	.5							10.2	8.9
ENE	.4	1.7	3.0	1.5								6.6	8.1
E	.4	1.6	1.9	.9								3.3	7.1
ESE	.2	.8	.9	.4								2.3	7.3
SE	.3	.4	.7									1.4	5.9
SSE	.2	.7	.2	.1								1.1	5.4
S	.4	1.1	.7	.2								2.5	6.6
SSW	.1	.6	1.3	.7								2.6	8.7
SW		1.1	2.1	2.4	.8	.2						6.8	11.9
WSW	.6	1.1	3.2	4.8	1.3	.2						13.6	10.8
W	.7	2.3	3.7	4.9	1.1	.1						14.8	10.1
WNW	.2	1.0	1.2	.7								3.1	8.0
NW		1.3	1.8	1.1	.2							4.5	9.1
NNW	.6	1.3	2.3	2.2	.3							6.6	9.3
VARBL	.8	1.3	.5	.5								3.3	6.2
CALM												4.0	
	6.9	22.2	30.8	24.2	4.3	.8						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1985



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/TAC

**SURFACE WINDS**

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

34056  
 STATION

SEMPACH AB GERMANY  
 STATION NAME

24-00  
 TIME

APR  
 MONTH

ALL WEATHER  
 CLASS

2100-2300  
 PERIOD

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	25+	V	MEAN WIND SPEED
N	.6	3.0	3.0	1.1								7.9	7.2
NNE	.7	1.4		1.6								3.2	2.5
NE	1.3	4.4	3.7	1.9	.1							11.6	7.9
ENE	.9	2.5	2.3	1.8								6.5	6.9
E	.8	1.3	.7	.3								3.2	3.4
ESE	.3	.1	.1									.5	2.9
SE	.7	.1										.8	2.0
SSE	.4	.4	.1									.9	2.9
S	.9	1.6	.1	.1								2.7	4.5
SSW	.4	1.1	.4	.4								2.8	3.4
SW	.3	2.4	2.4	1.4	.4	.1						7.6	8.0
WSW	1.2	2.7	3.0	1.4	.4	.1						8.7	7.8
W	2.2	2.1	1.7	1.2	.2	.1						6.6	7.8
WNW	.3	.4	.3	.1								1.4	3.3
NW	.4	1.2	.3	.2								2.3	6.1
NNW	.8	2.1	1.6	.3								5.1	6.6
VARBL	.8											.2	1.2
CALM												27.7	
	13.6	26.8	20.8	9.6	1.2	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1350



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SEIBACH AFB GERMANY  
STATION NAME

54-68, 71  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0700Z  
HOURLY

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1	1.2	0	3			11					3.5	5.4
NNE			4									1.7	1.7
NE	1.0	3.5	3	9								1.7	2.7
ENE	1.0	3.7	1.6	0								2.1	2.2
E			2	3	1							2.4	2.6
ESE	1.4	1	1									1.4	2.2
SE		2										1.9	2.2
SSE		4										1.6	3.5
S	1.0	1.4	1			1						3.1	4.2
SSW	1.2	0	7	1	1							2.9	2.9
SW	1.3	2.4	2.5	1.5								7.9	7.2
WSW	1.1	2.4	2.4	1.1	3	1						7.4	7.9
W		3.1	2.0	6		1						4.4	6.5
WNW	0	6	6	1								1.9	2.9
NW	1.4	1.6	1.4	1								1.9	2.8
NNW	1.5	1.9	1.7	1.2	1							2.4	2.8
VARBL	1.3											1.8	1.8
CALM												41.9	
	13.6	22.6	15.7	5.6	1.6	1.4						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 1001

1  
 DATA PROCESSING BRANCH  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEYBACH AB GERMANY  
STATION STATION NAME

54-72  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS

CONDITION

SPEED (KNTS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	.9	.3								2.7	2.6
NNE	1.6	1.2	.1									2.1	4.0
NE	1.6	3.5	2.7	.8								8.5	6.3
ENE	.9	1.7	1.2	.6								4.3	6.3
E	.7	.8	.3	.3	.1							2.1	6.2
ESE	.1											.1	2.0
SE	.3	.1										.7	2.3
SSE	.5		.1									.7	3.0
S	2.0	.9	.6	.1								3.7	4.3
SSW	1.1	1.6	.5	.1	.1							3.4	3.2
SW	1.6	3.0	2.5	1.1	.2	.1						8.5	6.9
WSW	1.4	2.4	2.5	2.0	.2	.2						9.7	6.4
W	1.8	2.4	1.6	.9	.1							6.8	6.0
WNW	.2	.8	.2									1.1	3.6
NW	.6	.8	.2	.1								1.8	4.7
NNW	.6	.9	.8	.1								2.5	3.9
VARBL	.6											.6	1.8
CALM												39.9	
	10.1	21.2	15.4	6.2	.9	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1677

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEMBACH AB GERMANY  
STATION STATION NAME

5472  
YEAR

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
MOON LIGHT

LOCATION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	.8	1.0	1.2	.2								3.3	6.1
NNE	.7	.7	.7	.1								2.2	5.9
NE	1.5	3.9	2.8	.9								9.2	6.4
ENE	.9	2.1	1.8	.9								5.7	6.7
E	.7	1.1	.6	.3	.1							2.8	6.4
ESE	.1	.2	.1									.4	4.3
SE	.3	.1										.6	2.7
SSE	.4	.1										.6	3.1
S	1.4	.9	.4	.2								2.9	4.8
SSW	1.5	1.1	.6	.4	.1	.1						3.7	6.0
SW	.9	3.6	3.4	1.6	.4	.1						9.9	7.8
WSW	1.8	3.3	4.3	2.7	.4	.1						12.6	7.9
W	1.0	2.1	2.3	1.6	.2							7.2	7.9
WNW	.1	.6	.2	.1								1.0	3.8
NW	.2	.7	.5	.3								1.7	7.0
NNW	.6	1.1	1.4	.2								3.3	6.2
VARBL	1.2	.8	.1									1.6	2.3
CALM												31.2	
	14.6	23.0	20.5	9.5	1.2	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1028

1

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEYBACH AB GERMANY

34-72

MAY

ALL WEATHER

0900-1100

CONDITION

SPEED KNTS: DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	2.2	.5								5.5	4.7
NNE	1.4	1.3	1.2	.2								3.1	4.3
NE	.7	2.3	4.0	1.7	.2							9.2	8.0
ENE	.6	2.3	3.2	1.0	.1	.1						7.2	7.8
E	.4	1.6	1.9	.9	.2	.2						5.2	6.6
ESE	.3	.6	.3	.1								1.3	2.3
SE	.4	.2	.1	.1								.9	4.4
SSE	.1	.2	.4	.1								.9	7.3
S	.8	.8	.3									1.9	4.2
SSW	.5	1.1	.9	1.0	.1		.1					3.6	8.1
SW	.7	1.8	3.2	3.7	1.0	.2	.1					10.6	10.3
WSW	1.0	3.1	4.8	4.4	.7	.1	.1					14.2	9.3
W	1.2	3.2	4.8	4.3	.4	.2						14.0	9.1
WNW	.2	.9	.5	.2								1.9	7.0
NW	.3	1.9	.9	.6	.1							3.7	6.9
NNW	.5	.9	1.5	.9								2.9	7.6
VARBL	2.6	1.2	.4	.2								4.5	3.9
CALM												8.4	
	12.1	28.2	30.7	19.9	2.7	.8	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1637

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

54-72

DAY

ALL WEATHER

1200-1400

CONDITION

SPEED (KNTS): DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	2.0	2.3	.0	.1							6.2	8.9
NNE	.2	1.8	1.7	.4								4.2	7.0
NE	1.0	2.4	4.4	2.3	.2							10.6	8.4
ENE	.2	1.7	3.0	1.3		.1						6.3	9.0
E	.4	1.8	2.4	.9	.1	.2						5.9	8.3
ESE	.1	.4	1.2	.2								2.0	7.9
SE	.1	.4	.3	.1	.1							1.2	7.6
SSE	.2	.4	.3	.1								1.0	6.4
S	.5	.7	.6	.1								2.2	5.3
SSW	.2	.5	.9	.7	.1							2.4	9.6
SW	.2	.7	3.2	3.9	1.3	.4						9.8	12.1
WSW	.2	1.7	4.2	3.3	.8	.1						12.7	10.7
W	.8	3.2	3.3	6.2	1.1	.1						16.9	10.2
WNW	.4	1.0	.9	.7		.1						3.1	7.7
NW	.2	1.1	1.6	.4	.1							3.4	8.0
NNW	.3	1.3	1.8	.6	.1							4.4	7.3
VARBL	1.4	1.6	1.0	.1								4.1	3.1
CALM												3.6	
	7.6	22.6	33.3	24.6	4.0	1.0						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1025

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 STATION SEMBACH AB GERMANY STATION NAME

5672 YEARS

MAY MONTH

ALL WEATHER CLASS

1900-1700 HOURS U.T.

CONDITION

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.2	2.5	1.7								7.1	7.8
NNE	.6	1.8	1.7	1.5	.1							4.6	6.7
NE	.2	2.6	3.1	2.0	.1							8.2	8.0
ENE	.2	1.7	3.7	1.5	.1							7.2	8.4
E	.6	1.1	3.3	1.3	.4	.1						6.9	9.1
ESE	.1	.8	1.0	.2								2.2	7.1
SE	.2	.4	.8	.2								1.7	7.4
SSE	.2	.6	.7	.1								1.7	6.5
S	.6	1.1	.3	.1								2.0	5.0
SSW	.2	.5	.7	.4	.1	.1						2.1	8.6
SW	.2	.6	2.6	3.4	.8	.2						7.9	11.4
WSW	.2	1.7	4.5	3.1	.7	.1						12.6	10.9
W	1.4	2.0	6.3	3.6	.4	.2		.1				16.6	10.0
WNW	.4	1.1	1.5	.6	.1							3.6	7.6
NW	.2	1.2	1.9	.7	.1							4.2	8.0
NNW	.4	1.2	1.2	.9	.1							3.8	8.0
VARBL	1.0	1.4	.3	.1								2.8	4.4
CALM												4.8	
	8.9	22.1	36.1	24.6	3.3	.7		.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

54-08, 71-72

MAY

ALL WEATHER

1800-2000

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.2	2.5	.9								6.4	7.1
NNE	1.7	2.0	1.1	.2								2.2	3.1
NE	1.9	4.1	4.2	1.3	.1							11.6	6.8
ENE	1.2	3.1	2.6	.9								7.8	6.5
E	1.1	3.2	2.2	.6	.1	.1						7.8	6.3
ESE	.6	.1	1.1	.1								2.0	6.0
SE	.3	.6	.1	.1								1.1	3.4
SSE	.5	.2	.1	.1								1.0	3.2
S	1.0	.9	.3	.1								2.3	4.6
SSW	.6	.9	.8	.1	.1	.1						2.6	6.9
SW	.8	1.9	3.1	1.0	.6	.1						7.9	8.3
WSW	.9	3.0	4.4	2.4	.4							11.0	8.3
W	1.2	4.0	4.8	2.9	.1	.1						12.1	8.1
WNW	.8	.6	1.3	.1	.1							2.9	6.3
NW	.9	.9	1.8	.5	.1							3.7	7.7
NNW	.7	1.2	1.5	.6								4.1	7.1
VARBL	.4											.4	1.6
CALM												6.8	
	15.1	30.1	32.1	12.0	1.6	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1800

DATA PROCESSING BRANCH  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEWBACH AB GERMANY  
STATION STATION NAME

34-68,71  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2200  
HOURS U.T.

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	2.4	1.0	.7								5.9	2.6
NNE	1.2	2.1	.4	.2								3.9	4.8
NE	1.9	3.3	2.6	.7								8.5	6.1
ENE	1.5	3.5	2.8	.9								8.3	6.2
E	1.0	1.7	.6	.1	.1							3.8	3.6
ESE	.6	.4	.1									1.1	3.9
SE	.8	.5	.1									1.4	3.7
SSE	.6	.4										1.0	3.3
S	.9	1.4	.6	.1								3.0	4.9
SSW	1.0	1.3	.4	.1	.1	.1						3.0	3.8
SW	1.8	3.3	2.0	1.4	.1							8.6	6.9
WSW	1.8	2.8	2.4	.8	.2	.1	.1					7.1	7.7
W	1.3	3.3	2.1	.4								7.1	3.9
WNW	.9	.6	.4	.1	.1	.1						2.1	3.6
NW	.2	.9	.4	.2	.1							1.8	6.3
NNW	.8	.6	.9	.2								2.3	6.2
VARBL	.3											.3	1.3
CALM												30.4	
	17.7	28.2	17.1	5.4	.8	.2	.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 1399



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEMBACH AB GERMANY

56-68

JUN

ALL WEATHER

0000-0200

CONDITION

SPEED KNTS: DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	.9	.1								3.3	3.3
NNE	.7	.6	.4	.1								1.9	2.0
NE	1.9	2.8	1.9	.4	.1							7.0	5.8
ENE	1.2	1.3	1.0	.7	.1							4.3	4.7
E	.6	1.0	.4	.2								2.3	6.0
ESE	.2	.1	.1									.4	4.2
SE	.3	.1										.4	3.0
SSE	.5		.1									.6	3.3
S	1.4	1.0	.1			.1						2.6	4.1
SSW	.7	1.6	.9	.1								3.3	2.4
SW	1.3	3.1	3.0	1.0	.1							8.2	6.9
WSW	1.3	2.7	1.8	1.4								7.2	7.1
W	1.4	2.3	2.2	1.3	.1							7.3	6.9
WNW	.7	.8	.2	.1								1.9	3.2
NW	.7	.4	.5									1.6	3.0
NNW	1.1	1.2	.7	.1								3.2	3.0
VARBL	.2											.2	1.7
CALM												43.9	
	15.1	20.6	14.2	5.7	.4	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1269

8  
1

DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

54-72

JUN

ALL WEATHER

0800-0800

COND 004

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.9	.4	.1								2.0	2.4
NNE	.7	1.0	.6	.2								2.3	2.6
NE	1.0	2.5	1.8	.2								7.3	3.3
ENE	.8	1.3	1.1	.5								2.7	2.5
E	.5	.4	.1	.3								1.3	2.4
ESE	.3											.3	2.0
SE	.6	.1										.7	2.7
SSE	.5	.1		.1								.6	2.7
S	1.5	1.4	.1	.1								3.2	4.0
SSW	1.1	1.3	.6	.2		.1						3.2	2.8
SW	1.3	2.9	2.0	1.5	.1	.1						6.9	7.6
WSW	1.2	2.9	2.6	1.1	.1							7.8	6.8
W	1.2	2.7	2.1	1.2								7.3	6.8
WNW	.1	.8	.1	.1								1.1	4.9
NW	.4	.6	.1	.1								1.1	4.1
NNW	.8	.8	.6	.1								2.2	4.9
VARBL	.4											.4	1.8
CALM												46.9	
	13.7	20.6	13.2	5.6	.2	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1420

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEYBACH AB GERMANY  
STATION STATION NAME

54-72  
YEAR

JUN  
MONTH  
 0600-0800  
MO. OF OBS.

ALL WEATHER  
CLASS

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.0	1.4	.1								3.2	3.9
NNE	.8	1.0	.2	.2	.1							2.2	3.2
NE	1.6	3.3	2.7	.6	.1							6.3	6.2
ENE	1.0	2.7	1.8	.4								5.9	6.2
E	.7	.8	.6	.2								2.3	3.7
ESE	.1		.1									.1	0.0
SE	.4	.2		.1								.6	4.3
SSE	.4	.2										.6	3.1
S	1.1	2.8	.3									2.1	3.8
SSW	1.1	1.1	.3	.1								2.2	3.1
SW	1.1	3.3	3.3	2.1	.3							10.7	7.7
WSW	1.1	3.3	4.6	1.4	.3	.1	.1					11.3	7.7
W	1.1	2.3	2.7	1.3	.3							8.2	7.8
WNW	.4	.3	.6	.2								1.3	6.9
NW	.4	.6	.3	.2								1.6	3.6
NNW	.3	1.3	.7	.1	.1							2.7	6.0
VARBL	1.4	.7	.2	.1								2.2	3.3
CALM												32.7	
	14.2	24.1	20.2	7.6	1.1	.1	.1					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 1375

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/TAC

**SURFACE WINDS**

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

34050 SEIBACH AB GERMANY

24-72

ALL WEATHER

0900-1101

SPEED KNTS DIR	1-3	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	2.4	.2								5.2
NNE	.4	1.4	1.2	.2								3.4
NE	.9	4.8	3.2	1.2								9.9
ENE	.9	2.6	3.1	1.2								7.8
E	.6	1.9	.9	.6	.1							4.1
ESE	.2	.5	.3	.1	.1							1.7
SE	.3	.5	.3	.1								.9
SSE	.1	.6	.3	.1								.9
S	.9	.7	.3									1.8
SSW	.6	1.0	1.0	.3								2.6
SW	.6	3.0	4.4	3.5	.4	.2						12.2
WSW	.8	3.2	5.6	4.4	.4	.2						14.3
W	1.5	3.0	5.4	3.5	.6							14.1
WNW	.4	1.9	.9	.3								2.6
NW	.2	1.9	.9	.3	.1							2.6
NNW	.5	1.3	1.1	.4								3.3
VARBL	2.5	1.5	.5	.2								4.8
CALM												8.4
	11.6	30.3	31.6	13.4	1.6	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 1980

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/AC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 FROM HOURLY OBSERVATIONS

34056 SE BAC- AB GERMANY

54-72

ALL WEATHER

1200-1400

DIR	0-4	5-10	11-15	16-20	21-25	26-30	31-40	41-45	46-50	51-60	61-70	71-80	81-90	91-100	MEAN
N	.4	1.7	2.7	.2											2.2
NNE	.3	1.3	1.4	.4	.1										2.2
NE	.6	2.4	2.9	1.3	.1										2.3
ENE	.9	2.2	2.0	1.4	.1										2.6
E	.8	2.2	2.7	1.5											2.2
ESE	.3	.8	.5	.3											.9
SE	.3	.7	.3	.3											.4
SSE	.2	.7	.4	.3											.3
S	1.1	.9	.5												2.5
SSW	.3	1.1	1.0	.7	.1	.1									3.2
SW	.5	2.0	3.3	3.4	.6	.1									3.0
WSW	.6	1.7	4.9	4.3	.4										2.1
W	.8	4.2	7.0	6.3	.6										1.9
WNW	.3	1.3	1.1	.6	.1										3.3
NW	.4	1.3	1.0	.4	.1										3.3
NNW	.4	1.2	1.6	.7											3.7
VARBL	1.3	1.6	.6	.3	.1										3.5
CALM															5.2
TOTAL	9.3	26.8	34.1	22.4	2.2	.1									100.0

TOTAL NUMBER OF OBSERVATIONS

1967

AD-A087 621

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
SENBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC  
SEP 74  
USAFETAC/DS-80/061

UNCLASSIFIED

NL

5

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

94-72  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-1700  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	2.2	.8								3.7	7.0
NNE	.4	1.8	1.4	.5								3.8	7.0
NE	.4	1.6	2.5	1.5	.1							6.2	8.2
ENE	.7	1.8	3.3	1.0								6.8	7.6
E	.4	1.7	2.2	1.1	.1							5.3	8.0
ESE	.6	.8	.4	.2								2.0	5.7
SE	.6	.4	.6									1.7	5.2
SSE	.2	.7	.8	.1								1.8	6.2
S	.3	1.3	.9		.1							2.9	6.6
SSW	.4	1.3	1.0	.2								2.9	6.3
SW	.3	2.2	3.4	2.4	.1	.1						8.7	8.6
WSW	.2	2.6	3.3	3.0	1.0	.1						12.2	10.4
W	.6	4.0	6.9	7.2	.4							19.1	9.8
WNW	.6	.6	.9	1.0	.1							3.1	8.1
NW	.4	1.0	1.3	1.1	.1							4.0	8.4
NNW	.3	1.2	2.2	.8								4.7	7.8
VARBL	1.6	1.0	1.0	.2								3.8	8.1
CALM												5.5	
	9.8	25.4	34.1	22.1	1.9	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1800

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SENBACH AB GERMANY YEARS 54-68, 71-72 MONTH JUN  
 CLASS ALL WEATHER HOURS (LST) 1800-2000  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.9	2.1	.6								4.7	6.3
NNE	1.0	1.8	1.0	.4								3.6	5.7
NE	.7	4.0	2.6	.7								8.2	6.8
ENE	1.9	2.2	3.3	.4								6.8	6.0
E	1.3	1.5	1.5	.4	.1							6.9	6.4
ESE	.7	.4	.1									1.2	3.8
SE	.1	.3	.1									.8	3.0
SSE	.1	.8	.2	.1								1.3	5.2
S	.6	1.0	.7	.1								2.6	5.6
SSW	.7	1.5	.4	.1	.1							2.7	5.6
SW	1.0	2.2	3.9	.7	.1							7.0	7.0
WSW	1.0	2.8	4.8	2.6	.1							11.8	7.0
W	1.9	5.8	6.3	3.2	.4							17.9	7.8
WNW	.8	1.6	1.2	.4	.2							4.0	7.3
NW	.7	1.3	1.2	.8	.1							3.9	6.8
NNW	.6	2.3	1.4	.8								3.3	6.7
VARBL	.4	.1										.8	2.6
CALM												10.8	
	15.7	32.4	39.8	11.3	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 3888



1  
 DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SENBACH AB GERMANY YEARS 50-68 MONTHS JUN  
 CLASS ALL WEATHER HOURS (L & 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	1.0	2.9	1.5	.1								5.0	2.2
NNE	1.0	1.9	.2	.1	.1							3.6	4.5
NE	1.0	2.0	1.7	.4								6.2	3.7
ENE	1.9	1.9	.7	.7	.1							2.9	2.9
E	1.2	1.1	.7	.1								2.2	2.3
ESE	.4		.1									.7	2.6
SE	1.0	.4										1.5	3.2
SSE	.9			.1								.7	4.4
S	1.0	1.0	.4									2.0	4.3
SSW	.8	1.1	.4	.1	.1							2.9	2.2
SW	1.3	2.4	1.8	.7								6.1	4.1
WSW	1.0	2.2	2.8	1.1								7.8	4.8
W	2.1	3.0	2.8	1.0	.1							10.1	4.8
WNW	.6	1.1	.4	.2								2.4	2.9
NW	.2	2.0	.7	.1								2.2	4.0
NNW	.6	1.4	1.0	.1								2.0	2.5
VARBL	.6											.6	1.8
CALM												34.6	
	19.7	23.2	13.2	2.4	.4							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 1380

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

53-49.71  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

00000000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1 2 2	1 2 2	2 2	1 1								2.3	4.9
NNE	2 2	2 2	2 2									1.2	4.1
NE	2 2	2 2	2 2	2 2								2.7	4.1
ENE	2 2	2 2	2 2	1 1								2.7	4.9
E	2 2	2	2									2.9	4.7
ESE	2 2											2.2	2.2
SE	2 2	2 2										2.2	2.2
SSE	2 2	2 2										2.2	2.2
S	2 2	2 2	2 2									2.2	2.7
SSW	2 2	2 2	2 2	2 2								2.1	2.4
SW	2 2	2 2	2 2	2 2	2 2	1						10.9	7.2
WSW	2 2	2 2	2 2	2 2	2 2							8.9	6.8
W	2 2	2 2	2 2	2 2	2 2							7.2	6.8
WNW	2 2	2 2	2 2		2 2							2.2	4.4
NW	2 2	2 2	2 2									1.4	4.2
NNW	2 2	2 2	2 2	2 2								1.8	4.2
VARBL	2 2	2 2										1.1	1.8
CALM												48.1	
	12.8	20.8	12.8	2.8	2.8	1						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 3827



DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

5972  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0000-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	4.7
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.9
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	87.1	0.0
	14.0	21.4	17.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0

TOTAL NUMBER OF OBSERVATIONS 1711





DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SEMBACH AB GERMANY  
STATION NAME

53072  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	Σ	MEAN WIND SPEED
N	.6	2.3	2.3	.4	.1							5.9	6.6
NNE	.3	1.2	.8	.1								2.5	3.0
NE	.3	1.7	2.3	.6	.1							5.0	7.8
ENE	.6	1.2	1.3	.1								3.4	6.4
E	.3	1.6	1.3	.1								3.6	6.1
ESE	.4	.4	.4									1.2	3.1
SE	.3	.8	.2									1.3	3.0
SSE	.3	.7	.1									1.2	3.3
S	.3	.8	.3	.1								1.9	3.5
SSW	.3	.7	1.1	.6	.1							3.0	6.1
SW	.7	1.9	4.7	4.0	.8			.1				12.3	10.2
WSW	.4	3.2	7.0	3.2	.8	.2						16.7	9.9
W	.6	2.3	7.3	7.4	1.2	.1						19.8	10.1
WNW	.3	1.3	2.2	1.1	.2							5.3	8.3
NW	.2	1.2	1.8	.2								3.3	7.0
NNW	.3	1.6	2.0	.4	.1							4.4	7.3
VARBL	1.9	1.6	1.3	.2								5.1	3.9
CALM												3.6	
	9.4	25.3	37.3	20.5	3.3	.6	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

1709





DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

53-69  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	1.7	.2								5.4	3.7
NNE	1.0	1.5	.2									2.7	3.8
NE	2.0	2.5	.9	.5								3.9	3.4
ENE	1.1	2.0	.1									3.2	3.9
E	.8	.9	.3									2.0	4.4
ESE	.3		.1									.2	3.4
SE	.4	.1	.1									.3	3.6
SSE	.7	.1	.1									.8	3.0
S	1.0	.9	.5	.1								3.1	3.9
SSW	1.3	1.2	.9	.2								3.2	4.9
SW	1.6	3.6	3.3	1.0	.3	.2						9.9	7.2
WSW	1.3	3.7	3.2	.7	.3							9.3	6.7
W	1.8	4.6	2.6	1.0								10.0	6.1
WNW	.7	1.2	1.2	.2		.1						3.3	7.1
NW	.7	.8	.7	.1								2.4	3.8
NNW	.3	.8	.6	.2								2.4	6.0
VARBL	.7	.1										.8	1.7
CALM												34.2	
	17.5	26.7	16.2	4.4	.6	.2						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 1233

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION: 34056 STATION NAME: SENBACH AB GERMANY YEAR: 53-69 MONTH: AVG  
 CLASS: ALL WEATHER ACFT: 0000-0200  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.8	.4									1.9	4.5
NNE	1.0	.4	.2	.1								1.7	4.0
NE	1.8	2.6	1.2	.2								5.8	3.2
ENE	.8	1.0	.8	.1								2.7	2.2
E	.5	.2	.2									1.2	4.4
ESE	.4	.1										.4	2.7
SE	.6	.2	.2									1.0	3.7
SSE	.6	.2	.1									.9	4.1
S	1.8	1.9	.1									3.9	3.8
SSW	1.2	1.5	1.0	.5								4.2	3.9
SW	2.3	4.2	3.3	2.3	.4							14.8	7.7
WSW	1.0	2.9	3.6	2.4	.1							10.0	7.9
W	.6	2.2	1.2	.8	.2							4.9	6.8
WNW	.1	.2	.1		.2							.6	3.9
NW	.1	1.0	.2	.1								2.1	4.6
NNW	.2	.4	.1									.7	4.8
VARBL	.6	.1										.7	2.5
CALM												42.6	
	14.8	20.2	15.0	6.7	.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1872

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 34056 STATION NAME: SEMBACH AB GERMANY YEARS: 59-72 MONTH: AUG  
 ALL WEATHER CLEAR HOURS: 0300-0500

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.4									1.2	4.2
NNE	.7	.9	.1									1.7	4.2
NE	1.6	3.1	.9	.2								5.7	4.8
ENE	.9	.6	.7									2.1	4.9
E	.8	.4	.1	.1								1.0	4.9
ESE	.2											.2	2.0
SE	.5	.2	.1									.7	2.2
SSE	.7	.2	.1	.1								1.2	4.4
S	2.3	1.3	.1	.1								4.0	3.7
SSW	1.8	1.8	1.5	.8								3.9	4.1
SW	2.1	4.2	4.6	2.6	.2	.1						13.8	7.2
WSW	1.2	3.6	3.9	1.3	.3	.1						10.4	7.7
W	.8	2.0	1.4	.3								4.2	4.6
WNW	.1	.3	.4									1.0	2.0
NW	.6	1.1	.1	.1								2.0	4.7
NNW	.2	.4	.2									.8	4.8
VARBL	.9	.2										1.2	2.0
CALM												42.7	
	15.4	20.9	14.3	5.8	.6	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 1433

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SEMBACH AB GERMANY YEAR 58-72 MONTH AUG

CLASS ALL WEATHER HOUSE LL & T 0000-0000

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	.1	.1								1.7	4.3
NNE	.8	.7	.2									1.6	4.6
NE	1.0	2.5	1.2	.2								2.6	5.1
ENE	.7	1.8	.7	.4								2.2	5.2
E	.6	.4	.2									1.2	4.2
ESE	.8											.8	2.4
SE	.7	.8	.1	.1								1.1	4.1
SSE	.8		.1	.1								.2	2.4
S	1.0	1.0	.2	.1								2.3	5.9
SSW	1.1	1.9	1.0	.8								4.0	5.9
SW	1.2	4.4	3.9	2.8	.7	.2						12.4	6.2
WSW	1.2	4.0	6.4	2.2	.7							14.3	6.2
W	.6	1.7	2.3	.6	.1							5.3	7.2
WNW	.8	.4	.2									.9	4.9
NW	.8	.6	.1									1.1	4.1
NNW	.6	.4	.2									1.3	4.6
VARBL	1.5	.8	.1	.1								2.5	2.4
CALM												38.7	
	14.2	21.4	17.2	6.9	1.2	.2						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1748

1  
 DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

53-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	.4	.1								2.3	4.8
NNE	1.0	.7	.6	.1								2.3	4.8
NE	1.2	2.8	2.2	.5								6.4	6.2
ENE	.8	2.4	1.6	.4								3.2	6.2
E	.6	1.9	.8	.2								1.6	3.8
ESE	.6	.9	.2	.1								1.4	3.8
SE	.3	.8	.9	.2								1.8	6.3
SSE	.3	.9	.2	.1	.1							1.1	6.3
S	1.3	1.0	.4									2.9	6.2
SSW	.6	1.0	1.4	.6		.1						3.6	7.2
SW	1.0	3.0	3.2	3.6	.7	.2						13.8	9.8
WSW	.9	4.1	7.8	6.8	.8	.2						19.9	9.7
W	1.1	3.0	3.9	3.0	.8	.2	.1					13.7	9.8
WNW	.6	.7	.2	.2								1.7	3.8
NW	.3	1.1	.6	.1								2.2	3.7
NNW	.7	.7	.3									1.8	6.8
VARBL	2.7	2.8	.8	.3								6.0	6.0
CALM												10.3	
	14.9	27.0	28.6	16.0	2.4	.8	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1787

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

53-72  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-1800  
HOURS (L ST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.4	.2								2.2	3.3
NNE	.5	1.3	.8	.1								2.7	3.3
NE	.6	1.9	1.4	.8								4.7	6.3
ENE	.4	1.9	2.0	.9								3.2	7.2
E	.9	2.3	1.8	.2								3.2	6.3
ESE	.1	.2	.7	.1								1.2	7.4
SE	.1	.8	.7	.2								1.6	7.7
SSE	.2	.6	.8	.1								1.4	3.8
S	.9	1.8	1.0	.4								3.7	6.2
SSW	.5	1.1	1.6	.5	.1	.1						3.9	8.0
SW	.2	3.0	4.0	4.0	1.0	.2	.1					11.7	10.9
WSW	.6	3.0	6.2	7.0	1.4	.2	.1					13.4	10.9
W	.9	3.4	7.4	5.6	1.1	.2						12.6	9.9
WNW	.4	1.1	.9	.2	.1							3.0	7.2
NW	.2	.9	1.2	.2								2.7	7.0
NNW	.2	1.1	1.2	.2								3.0	6.3
VARBL	1.7	2.3	1.8	.2								6.0	3.7
CALM												3.7	
	9.5	26.0	33.8	21.8	2.6	1.4	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 3760

1

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34050 STATION NAME SEMBACH AB GERMANY YEARS 59-72 MONTH AUG  
 CLASS ALL WEATHER HOURS (L & T) 1800-1700  
 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	0.2	1.2	1.0	0.1								3.1	0.8
NNE	0.4	1.1	0.5									2.0	0.5
NE	0.9	2.0	1.0	0.0								6.0	0.5
ENE	0.6	1.7	1.0	0.0								4.7	7.0
E	0.5	2.2	1.4	0.0								4.7	0.4
ESE	0.1	0.9	0.5	0.1								1.2	0.2
SE	0.4	1.1	0.7	0.2								2.2	0.2
SSE	0.2	0.8	0.2	0.1								1.2	0.2
S	1.0	1.4	1.1	0.2								3.9	0.9
SSW	0.6	1.2	1.0	0.7	0.1	0.1						4.1	0.0
SW	0.6	1.2	0.9	0.1	0.0	0.2						11.9	10.0
WSW	0.8	2.4	7.0	0.6	1.1	0.8	0.1					18.8	10.7
W	0.8	2.9	6.6	0.4	1.0	0.8	0.1	0.1				17.7	10.4
WNW	0.6	0.9	1.0	0.9								2.4	7.7
NW	0.2	1.0	1.1	0.2								2.6	7.1
NNW	0.2	1.0	1.1	0.1								2.6	0.9
VARBL	1.0	2.7	1.0	0.0	0.1							6.4	0.2
CALM												3.9	
	9.8	26.8	33.7	22.2	3.2	1.7	0.2	0.1				100.0	0.2

TOTAL NUMBER OF OBSERVATIONS 1789

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SENBACH AB GERMANY YEARS 52-71 AUG  
DOOTS  
 CLASS ALL WEATHER 1800-2000  
HOURS U.T.  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	.0	.1								3.8	2.0
NNE	.8	1.8	.4	.1								3.1	2.9
NE	1.4	2.0	1.8	.2								3.2	2.8
ENE	1.6	2.8	1.1	.1								3.6	2.1
E	1.6	2.0	.9	.1								4.8	2.9
ESE	.7	.2	.2	.1								1.2	2.8
SE	.8	.8	.6									2.0	2.2
SSE	.8	.6		.1								1.8	2.9
S	1.4	1.6	.9	.2								6.8	2.6
SSW	1.1	1.2	1.0	.2								3.7	2.8
SW	1.0	2.8	4.9	2.8	.9							11.2	2.8
WSW	1.1	2.6	6.5	2.6	.6							13.2	2.7
W	1.2	6.2	8.6	2.6	.2	.1						16.4	7.6
WNW	.9	1.2	.7	.2								3.0	2.3
NW	.2	1.0	.4	.2								1.8	2.0
NNW	1.0	1.1	.6									2.7	2.8
VARBL	.9	.4										1.2	2.6
CALM												12.2	
	17.4	31.8	26.2	10.7	1.2	.1						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 1297



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34096  
STATION

SEMPACH AB GERMANY  
STATION NAME

59-70  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2	1	4									2.3	4.5
NNE	3	2	4	1								2.6	4.9
NE	1	2	1	1								2.2	5.2
ENE	1	3	2	4								4.6	5.7
E	1	1	2									2.7	4.0
ESE	1	2	2	1								1.1	4.1
SE	1	2	2									1.5	3.7
SSE	1	2	2									1.5	4.2
S	1	3	9	1								4.9	4.6
SSW	1	3	2									3.8	5.9
SW	1	4	3	2								11.5	7.1
WSW	1	3	3	1								16.7	7.4
W	1	2	2	1								7.4	7.8
WNW	1	1	1	1								1.0	4.8
NW	1	1	1	1								2.2	5.6
NNW	1	1	2									1.7	4.0
VARBL	1	1										1.0	3.7
CALM												30.1	
	10.8	24.0	15.8	6.6	1.0	1.0						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1870

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

59-60,71  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.8										1.4	3.2
NNE	.6	.8	.2									1.7	4.8
NE	1.4	4.0	1.7	.2								7.3	8.7
ENE	1.0	2.7	1.4									5.1	8.4
E	.6	.8	.2	.2								2.1	6.0
ESE	.1	.1	.1	.1								.3	6.0
SE	.1	.1	.1									.3	8.8
SSE	.1	.1	.1									.3	8.0
S	1.2	1.0	.1									2.3	8.6
SSW	1.1	1.2	.6	.3	.1	.1						3.4	6.8
SW	1.2	3.6	4.3	2.3	.6							12.7	8.8
WSW	1.2	2.2	2.1	2.8	.3	.3						10.3	8.8
W	.9	1.9	1.3	.6								4.9	6.4
WNW	.2	.4	.2	.1	.1							1.1	6.6
NW	.2	.4	.1	.1								.8	8.7
NNW	.4	.8	.1									1.3	4.8
VARBL	.1											.1	1.0
CALM												42.9	
	12.1	30.8	14.6	7.0	1.2	.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

1084

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

04090  
STATION

SEIBACH AB GERMANY  
STATION NAME

59-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-0900  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1	1	1									1.3	3.9
NNE	1	1	1									2.2	4.3
NE	1	1	1	1								7.2	8.3
ENE	1	1	1	1								4.2	5.3
E	1	1	1	1								1.2	3.0
ESE	1	1	1	1								1.2	4.8
SE	1	1	1	1								1.2	3.1
SSE	1	1	1	1								1.2	4.4
S	1	1	1	1								1.2	3.7
SSW	1	1	1	1	1							1.2	3.1
SW	1	1	1	1	1	1						12.0	8.2
WSW	1	1	1	1	1	1	1					10.0	9.1
W	1	1	1	1	1	1	1					6.2	6.9
WNW	1	1	1	1	1	1	1					1.2	7.0
NW	1	1	1	1	1	1	1					1.2	7.0
NNW	1	1	1	1	1	1	1					1.2	3.8
VARB	1	1	1	1	1	1	1					1.2	1.2
CALM												49.0	
	12.7	20.2	12.7	6.6	1.2	1.2	1.2					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1819

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

94056  
STATION

SENBACH AB GERMANY  
STATION NAME

22 72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.5										1.0	2.6
NNE	.0	.6	.3									1.7	4.6
NE	2.2	2.9	2.1	.2								7.5	5.4
ENE	1.2	2.7	1.9	.2								6.0	5.0
E	.4	.3	.3									1.0	3.3
ESE	.3	.1	.2									.6	4.9
SE	.4	.3	.1									.7	3.3
SSE	.7	.2	.2									1.1	4.1
S	1.3	1.1	.6									3.0	4.1
SSW	1.6	1.3	.6	.5								3.8	3.3
SW	1.3	3.4	4.3	3.3	.4	.2	.1	.1				13.3	8.8
WSW	1.0	2.0	3.6	3.2	.3	.2	.1	.1				10.8	9.7
W	1.1	1.0	1.2	1.1	.1	.1						4.7	7.6
WNW	.1	.2	.1	.1	.1	.1						.5	10.8
NW	.2		.2									.3	3.9
NNW	.6	.3	.2	.1								1.1	4.8
VARBL	.7	.4										1.0	3.1
CALM												41.9	
	14.0	17.8	16.2	8.8	1.1	.2	.1	.1				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1877



1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

52-72  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 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	1.2	.8	.1								2.0	3.1
NNE	.8	1.1	.8	.1								2.6	3.7
NE	.7	3.2	4.0	.8								9.0	6.9
ENE	.8	3.1	3.3	.8								8.1	7.0
E	.7	1.8	2.7	1.1								6.2	7.6
ESE	.2	.8	1.0	.1								1.8	7.1
SE	.2	.8	.8	.2								1.6	6.7
SSE	.2	.8	.4									1.0	3.3
S	.8	1.2	1.2	.4								3.7	6.3
SSW	.8	1.2	1.9	1.1			.1					4.7	6.3
SW	.8	1.2	4.2	6.8		.7	.1					12.7	11.3
WSW	.8	1.2	3.1	6.8	1.2	.2	.1					13.3	11.0
W	1.0	2.1	4.8	4.0	1.2	.1	.1					13.0	10.2
WNW	.4	.8	.7	.2	.1							2.0	7.8
NW	.4	.8	.2	.2								1.7	6.8
NNW	.4	.7	.2									1.2	6.7
VARBL	2.6	2.1	1.2	.6								6.3	3.1
CALM												6.1	
	11.2	22.9	23.0	21.2	3.4	1.0	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1081

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056      SEMBACH AB GERMANY

5372

SEP

ALL WEATHER

1900-1700

CONDICTION

SPEED (KNTS) DIR.	1-3	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	.2	.1							3.4
NNE	.3	1.6	.5	.1								2.5
NE	.7	3.0	2.9	.4								7.1
ENE	1.6	4.2	4.3	.6								10.7
E	.7	3.0	3.2	.5								7.4
ESE	.6	.8	.7	.4								2.2
SE	.2	.7	.6									1.9
SSE	.1	1.3	.9									1.9
S	.6	1.7	1.0	.1								3.4
SSW	.4	1.5	1.5	.6	.2							4.2
SW	.4	2.2	4.9	2.8	1.2	.4						11.9
WSW	.2	2.4	3.1	6.1	1.4	.3						15.4
W	1.0	3.1	4.6	4.8	1.1							14.9
WNW	.5	.2	.7	.4								1.8
NW	.2	.7	.6	.2								1.7
NNW	.2	1.0	.8									1.7
VARBL	1.8	1.1	1.2	.3								4.1
CALM												4.9
	9.4	30.6	33.5	17.4	3.9	.7						100.0

TOTAL NUMBER OF OBSERVATIONS 1678

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 STATION SEMBACH AB GERMANY STATION NAME

53-68,71-72 YEARS

SEP MONTH

ALL WEATHER CLASS

1800-2000 HOURS UTC

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.3	.2									2.9	4.3
NNE	1.0	1.0	.5	.1								2.6	4.9
NE	3.0	5.2	1.7	.1								10.0	4.7
ENE	3.0	3.7	1.9	.1								6.8	4.8
E	2.0	2.7	1.7	.1								6.6	5.1
ESE	.7	.8	.2									1.7	4.2
SE	1.2	1.0	.1									2.4	3.7
SSE	1.0	.6	.1									1.7	3.5
S	1.2	1.7	.6									3.7	4.4
SSW	1.0	1.7	1.2	.2		.1						4.2	6.3
SW	1.2	3.2	3.0	1.9	.5	.3						10.1	6.7
WSW	1.2	3.2	3.2	2.1	.5	.1						12.9	6.2
W	1.0	3.2	3.7	1.6	.1			.1				9.6	7.5
WNW	.5	.4	.7	.1								1.7	6.0
NW	.2	.6	.4	.1								1.4	6.1
NNW	.4	.6	.2									1.2	4.7
VARBL	.2	.2										.6	4.0
CALM												10.2	
	20.4	31.0	21.8	6.2	1.1	.6		.1				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1666



DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEMBACH AB GERMANY

53-68.71

SEP

ALL WEATHER

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	.8	1.0	.3									2.1
NNE	.8	.8	.2									1.9
NE	2.5	3.8	1.9	.1								3.2
ENE	1.5	3.8	1.8	.2								2.1
E	.6	.7	1.1	.2								2.6
ESE	.2	.1	.1	.1								.6
SE	1.0	.2	.3									1.5
SSE	.8	.1										.9
S	1.6	1.5	.6									2.6
SSW	1.0	1.8	.9	.5								2.7
SW	1.6	3.6	4.2	1.8	.4	.3						3.2
WSW	1.2	2.9	3.2	2.6	.3							2.8
W	1.1	1.5	1.4	.6	.1							4.8
WNW		.5	.3		.1							.8
NW	.3	.4	.3		.1							1.0
NNW	.4	.4	.1									1.0
VARBL	.4	.1										.5
CALM												37.6
	19.7	22.7	16.6	5.9	1.2	.3						100.0

TOTAL NUMBER OF OBSERVATIONS 1448

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

58-67,71-72  
TELNO

CCT  
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	.9	.9	.4	.1								2.4	4.8
NNE	.8	1.1	.4	.1								2.3	4.9
NE	2.2	3.4	1.6	.5								7.9	5.9
ENE	1.3	2.1	1.4	.2								5.1	5.4
E	1.0	.9	.6	.1								2.6	4.0
ESE	.4	.1	.1									.6	4.1
SE	.4	.3	.1									.7	4.0
SSE	.7	.3	.2									1.2	4.1
S	1.3	1.2	.4	.1								3.0	4.7
SSW	.8	1.3	.9	.6	.4							4.1	7.7
SW	1.1	3.7	3.9	4.4	.9	.1						14.0	9.3
WSW	.6	2.4	3.2	2.2	.9	.1						8.9	9.2
W	.8	1.1	1.3	.6	.1							4.1	7.3
WNW	.1	.3	.2									.9	3.3
NW	.1	.3	.1									.6	4.9
NNW	.4	.6	.2	.1								1.2	4.9
VARBL	.1			.1								.1	7.3
CALM												40.3	
	12.7	20.5	15.5	9.0	1.9	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 1423

1  
 DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 24056 STATION NAME SEMBACH AB GERMANY YEAR 58-72 DAY 0300-0800  
 CLASS ALL WEATHER MONTHS 0300-0800  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.5	.7	.1								1.8	4.7
NNE	.7	1.2	.8	.2								2.6	5.2
NE	1.5	3.2	1.2	.6								6.5	5.5
ENE	1.7	2.6	1.8	.2		.2						6.0	5.9
E	.8	1.5	.5	.1								2.8	4.8
ESE	.2											.2	2.0
SE	.4	.6	.2									1.2	4.4
SSE	.4	.1										.5	3.0
S	1.6	1.2	.8	.1								2.3	6.2
SSW	1.8	1.9	.5	.7	.3	.1						4.3	7.0
SW	2.0	3.9	3.1	4.6	.6	.2	.1					14.5	9.1
WSW	.7	2.0	3.3	3.0	.7	.1						9.7	9.3
W	.4	1.4	1.6	.7	.2							6.3	7.9
WNW	.2	.4										.6	4.1
NW	.1	.2	.2	.1								.6	7.0
NNW	.4	.2	.1									.8	3.8
VARBL	.2											.3	2.3
CALM												40.3	
	13.2	20.4	13.4	10.2	1.8	.6	.1					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 1819

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

52-72  
YEAR

027  
MONTH

ALL WEATHER  
CLASS

0600-0800  
OURS - LT

CONDITION

SPEED (KNTS) DIR.	1 - 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									1.7	4.7
NNE	.9	.6	.2									1.8	4.2
NE	2.2	4.6	2.0	.2								7.4	3.6
ENE	1.7	3.4	1.3	.2		.1						6.9	3.3
E	1.5	1.0	.2									3.0	4.1
ESE	.2	.2	.1									.4	4.0
SE	.2	.2										.7	3.8
SSE	.2	.4	.1									.8	4.1
S	2.0	.8	.6	.1								3.6	4.2
SSW	1.1	2.2	.9	.4	.1							4.7	4.0
SW	1.4	3.7	4.1	2.2	.6	.2	.1					16.0	3.8
WSW	1.6	2.8	4.1	2.2	.6	.2						11.7	3.8
W	.7	1.2	1.2	.6	.1							4.0	7.0
WNW	.2	.1	.1									.3	4.0
NW	.2	.2	.2									.6	4.8
NNW	.2	.2	.2									1.0	4.8
VARBL	1.2	.2	.1	.1								1.6	3.0
CALM												33.7	
	16.5	21.5	16.2	8.0	1.5	.7	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 1718

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

59-72  
YEARS

0CT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.0	.7	.1								1.9	3.0
NNE	1.2	1.3	.7	.2								3.6	3.3
NE	1.0	3.6	2.4	.2								7.9	3.7
ENE	1.2	3.8	2.6	.3	.1							7.6	3.1
E	.7	1.7	1.9	.2								4.3	3.3
ESE	.5	.2	.9	.1								1.0	3.3
SE	.2	.3	.2									.8	4.8
SSE	.3	.2	.1	.1								.7	3.6
S	2.0	.6	.8	.1								3.4	4.0
SSW	1.0	1.2	1.2	.5	.3	.1						4.2	7.8
SW	1.3	3.6	6.1	4.3	1.4	.2						16.9	9.9
WSW	.9	2.8	4.7	4.3	1.0	.2						14.1	9.9
W	.9	1.6	2.4	1.0	.1							6.1	7.3
WNW	.3	.3	.3	.2								1.3	6.7
NW	.2	.4	.3	.1	.1							1.2	6.9
NNW	.2	.3	.3	.2								1.3	7.3
VARBL	1.8	.8	.6	.2								3.6	3.0
CALM												20.1	
	14.8	23.3	26.0	12.3	3.0	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1718

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34050      SEMBACH AB GERMANY      58-72      OCT  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1200-1400  
CLASS      HOURS LT & T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	1.9	0.0	0.2								2.2	6.0
NNE	0.5	1.8	1.1	0.1								2.8	6.0
NE	0.9	3.7	3.0	0.8	0.1							8.2	6.7
ENE	0.3	3.8	3.4	0.7								8.0	6.9
E	0.5	2.0	3.4	0.9	0.1							6.6	7.2
ESE	0.2	0.8	0.8	0.1								1.2	7.2
SE	0.2	0.8	0.6	0.1								1.2	6.8
SSE	0.2	0.8	0.2									0.8	6.2
S	0.8	0.9	0.8	0.4	0.1							2.6	7.1
SSW	0.6	0.7	1.9	1.2	0.2							4.8	9.1
SW	0.6	2.1	3.1	4.1	1.2							12.9	10.4
WSW	0.6	3.0	6.9	3.8	1.2	0.6						18.0	10.6
W	0.7	3.1	3.9	1.6	0.4							9.7	8.2
WNW	0.5	0.8	0.6	0.6								2.8	7.6
NW	0.1	0.8	0.6	0.1	0.1							1.7	6.7
NNW	0.2	0.8	0.6	0.2	0.1							1.7	7.0
VARBL	1.1	0.9	1.2	0.6	0.8							4.8	6.8
CALM												0.4	
	8.7	25.9	38.0	17.7	3.9	0.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1721

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SEMDACH AB GERMANY  
STATION NAME

53-72  
YEARS

GCT  
MONTH

ALL WEATHER  
CLASS

1800-1700  
HOURS (L. S. T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	1.0	.2	.1							3.7	0.3
NNE	.6	1.6	.2									2	4.6
NE	1.1	4.7	2.7	.2	.1							6.9	6.0
ENE	2.0	8.4	8.4	.7	.1							11.5	6.0
E	1.2	3.8	2.4	.6								7.9	6.1
ESE	.1	.6	.6									1.4	6.3
SE	.2	.6	.6									1.4	6.0
SSE	.2	.2	.1	.1								.6	2.1
S	.2	.8	1.2	.5								2.7	7.2
SSW	.6	.6	1.4	.8	.2							3.7	6.2
SW	.6	3.1	8.7	4.4	.9							14.9	9.2
WSW	1.0	3.9	8.8	4.4	.4	.2						13.7	9.0
W	1.4	3.9	3.3	1.6	.2	.1						10.5	7.4
WNW	.2	.6	.6	.8								1.9	6.0
NW	.2	.3	.7	.2	.1							1.2	6.0
NNW	.2	.7	.7	.2								1.9	6.6
VARBL	.6	.9	.9	.6	.1							3.0	7.2
CALM												7.0	
	11.3	33.3	31.2	14.8	2.2	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1714

DATA PROCESSING BRANCH  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SEMBACH AF GERMANY  
STATION NAME

33-67, 69, 71-72  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURLY PERIOD

CONDITION

SPEED (KNTS) DIR.	1-3	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									1.9	5.1
NNE	.7	1.2	.3									2.1	4.4
NE	3.7	4.3	1.2	.5								10.1	4.9
ENE	2.5	4.5	1.6	.3	.1							9.4	5.2
E	1.2	2.4	1.2									4.8	4.5
ESE	.5	.1	.1									.8	2.5
SE	.6	.3	.1									1.1	3.6
SSE	1.7	.3	.2									1.8	3.7
S	1.5	1.7	.9	.3								4.4	5.9
SSW	1.1	1.0	1.4	.7	.2							4.2	7.4
SW	1.1	4.1	3.8	3.1	.1	.1						12.6	6.0
WSW	1.2	2.2	3.8	2.1	.2							9.1	8.1
W	1.0	2.4	1.7	1.9	.2							6.6	7.6
WNW	.3	.6										.8	3.8
NW	.3	.4	.3	.1								1.1	6.0
NNW	.4	.3	.2									1.1	4.6
VARBL			.1	.1								.2	10.0
CALM												27.3	
	10.0	28.1	10.9	8.7	.9	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1000



1

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34096  
STATION

SENBACH AB GERMANY  
STATION NAME

53-67,69,71-72  
YEARS

001  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURLY PERIOD

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.8	.6	.1								1.8	2.2
NNE	1.2	.4	.6									2.2	4.6
NE	2.1	3.1	1.7	.5								7.4	3.6
ENE	1.7	3.6	1.7	.2	.1							7.4	3.6
E	1.5	1.7	.5	.1								3.7	4.0
ESE	.1		.1									.2	4.2
SE	.2	.2										.7	4.0
SSE	.6	.7										1.2	2.7
S	1.2	1.2	.8	.2								3.3	2.0
SSW	.4	1.7	1.0	.6	.1	.1						3.8	7.8
SW	1.3	2.6	3.1	3.9	.6	.1						13.0	6.9
WSW	1.2	1.7	3.0	2.1	.2	.1						8.1	8.2
W	.8	1.9	1.9	1.2								3.3	7.1
WNW	.1	.8	.4	.1								1.1	6.4
NW	.4	.3	.2	.2								1.2	6.6
NNW	.3	.3	.1	.1								.8	4.1
VARBL		.1	.8	.1								.2	9.0
CALM												37.7	
	14.4	20.7	10.8	9.4	.9	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1442

1

DATA PROCESSING BRANCH  
 DTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34036  
STATION

SEMBACH AB GERMANY  
STATION NAME

52-67  
YEARS

NAVY  
MOBILE

ALL WEATHER  
CLASS

0000-0200  
HOURLY PERIOD

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	.4	.2								2.8	2.1
NNE	1.0	1.0	.4	.1								2.1	4.6
NE	2.4	3.0	3.8	1.0								12.6	6.4
ENE	2.1	3.0	3.7	1.0								9.9	6.2
E	.7	2.5	1.0	.2								4.3	3.7
ESE	.4	.7	.2	.1								1.8	3.2
SE	.4	.2	.2	.1								1.0	4.0
SSE	.1	.7	.2	.1								1.2	3.8
S	2.4	1.0	.4	.1	.1							3.0	3.0
SSW	.8	1.0	1.0	.4	.1	.1						3.9	7.3
SW	1.0	4.1	2.2	4.7	1.0	.2	.1					14.8	9.6
WSW	.6	1.8	2.9	2.0	1.0	.2	.1					9.8	11.2
W	.6	1.2	.7	1.2	.1							4.2	3.6
WNW	.4	.2	.1	.1								2.2	4.3
NW	.4	.4	.2									1.0	4.4
NNW	.2	.7	.1	.1	.1							1.2	7.1
VARBL													
CALM												23.7	
	13.7	24.9	18.2	12.5	2.4	1.2	.1					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1348

DATA PROCESSING BRANCH  
 DTIC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

53-72  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0800-0900  
HOURS U.T.C.

CONDITION

SPEED (KNTS) DIR	1-3	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	1.2	1.6									2.9	4.9
NNE	1.2	1.3	1.2									2.9	4.3
NE	1.4	3.0	4.2	1.2	1.1							10.8	7.0
ENE	1.2	4.2	2.2	1.6								8.2	6.0
E	1.7	1.2	1.2	1.6								4.2	6.3
ESE	1.2	1.6	1.2	1.2								1.4	7.2
SE	1.4		1.2									1.0	4.4
SSE	1.4	1.4										1.1	4.7
S	1.2	1.2	1.7	1.1	1.1							2.4	3.6
SSW	1.1	1.4	1.9	1.4	1.1	1.1						4.2	6.9
SW	1.1	1.2	4.0	4.9	1.0	1.1	1.1					10.0	9.1
WSW	1.0	1.2	2.0	2.9	1.1	1.1						10.0	11.0
W	1.0	1.2	1.6	1.1	1.2	1.1						4.8	6.8
WNW	1.1	1.1	1.1	1.1								1.1	2.8
NW	1.1	1.1	1.2	1.1								1.1	7.0
NNW	1.1	1.2	1.2	1.1	1.1							1.9	7.2
VARBL	1.1	1.1	1.1	1.1	1.1							1.1	10.2
CALM												28.9	
	12.4	24.2	20.8	12.7	2.9	1.0	1.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1442

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

59-72  
YEARS

NCV  
MONTH

ALL WEATHER  
CLASS

0400-0800  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	.4	.2								2.8	4.8
NNE	.6	1.3	.2	.3								2.5	3.7
NE	1.5	3.4	3.6	1.4								12.2	6.4
ENE	1.1	2.6	3.6	.8								7.1	6.6
E	1.3	2.3	1.3	.4								5.5	3.8
ESE	.4	.8	.2									1.1	4.7
SE	.4	1.0	.1									1.2	4.6
SSE	.4	.8	.1	.1								1.1	3.1
S	1.0	1.5	.2	.1	.1							3.0	4.8
SSW	1.1	1.4	1.2	.4	.2	.1						4.3	6.8
SW	1.4	3.6	3.7	3.8	1.0	.8	.1	.1				16.2	10.2
WSW	.8	2.6	3.0	3.1	.4	.8	.1					10.4	9.8
W	.9	1.4	2.0	1.0	.3							5.7	6.0
WNW	.2	.2	.2	.1								.7	3.9
NW		.6	.1	.1								.7	3.8
NNW	.6	.3	.2	.2								1.4	3.6
VARBL	.4	.1	.1	.7	.4							1.7	11.7
CALM												22.0	
	13.7	20.2	19.8	14.7	2.5	.9	.2	.1				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1625

DATA PROCESSING BRANCH  
 ETAC/USAP  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056 SEMBACH AB GERMANY

22.72

NAV

ALL WEATHER

0800-1100

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	.0	1.2	.7	.1								2.6	2.6
NNE	.6	.9	.2	.4								2.0	2.6
NE	1.6	4.2	2.6	1.2	.1							9.7	6.7
ENE	1.5	3.0	3.7	1.2								9.4	6.7
E	1.5	2.5	1.7	.7								6.3	6.0
ESE	.7	.4	.2									1.3	4.0
SE	.4	.7		.1								1.2	5.1
SSE	.5	.6	.5									1.6	5.3
S	1.7	1.0	.7	.3								3.7	5.0
SSW	.9	1.4	1.3	.6	.3	.1						4.6	7.8
SW	1.3	2.9	4.3	5.1	1.8	.6	.1					16.2	10.6
WSW	.8	2.4	3.1	4.3	1.2	.1	.2	.1				12.2	10.8
W	.8	1.4	2.3	1.2	.2	.1	.1	.1				6.1	8.7
WNW	.2	.6	.1		.1							1.0	5.9
NW	.6	.4	.3									1.3	4.4
NNW	.2	.6	.1									.9	4.6
VARBL	.9	.2	.2	.6	.6							2.4	10.2
CALM												17.5	
	14.6	24.5	22.2	15.8	4.2	.8	.2	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1636

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 STATION SENBACH AB GERMANY STATION NAME

53-72 YEAR

NOV NORTH

ALL WEATHER CLASS

1200-1400 HOUR U.T.C.

CONDITION

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	MEAN WIND SPEED
N	.9	1.4	.8	.2								3.2	5.4
NNE	.6	1.2	.4	.1								2.2	2.3
NE	1.7	3.6	4.1	1.2	.1							10.7	6.8
ENE	.9	4.0	3.4	.9								9.2	6.8
E	.8	2.0	2.6	1.0								6.4	7.3
ESE	.1	1.1	.5									1.7	2.7
SE	.6	.2	.7	.2	.1							2.2	6.2
SSE	.3	.2	.2	.1	.1							.9	2.2
S	.6	1.4	.9	.2	.1							3.1	6.2
SSW	.4	.9	1.9	1.2	.2	.1						6.6	9.2
SW	.7	3.0	3.8	3.1	1.7	1.1	.1					17.4	11.2
WSW	.6	2.8	3.6	3.1	1.3	.2						12.9	10.2
W	1.1	2.6	2.4	2.0	.5	.1	.1					8.6	8.8
WNW	.5	.2	.4		.1							1.2	2.6
NW	.2	.4	.2	.1								.9	6.2
NNW	.2	.9	.2	.1	.1							1.8	6.2
VARBL	.9	.3	.2	.7	.4	.1						2.7	9.0
CALM												9.6	
	10.9	26.0	28.8	18.0	4.4	1.6	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1019

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
 STATION

SEYBACH AB GERMANY  
 STATION NAME

53.72  
 YEARS

REV  
 DATE

ALL WEATHER  
 CLASS

1500-1700  
 HOURS

CONDITION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.6	1.0	.1								3.6	3.1
NNE	1.2	1.2	.5	.2								2.1	4.8
NE	1.7	3.3	3.7	1.0	.1							11.8	6.4
ENE	2.1	3.4	2.5	1.4								9.4	6.4
E	1.4	3.3	3.0	.3								7.9	6.0
ESE	.3	1.0	.3	.2								1.9	6.1
SE	.2	.8	.4	.2								1.6	6.2
SSE	.4	.7	.6	.1								1.8	6.0
S	1.0	1.1	2.0	.2	.1							4.2	6.3
SSW	.8	.8	1.2	1.0	.1							2.6	8.4
SW	.7	3.1	3.9	4.4	1.0	.7	.1					13.9	10.6
WSW	1.0	2.3	3.9	4.1	.7	.4						12.4	10.1
W	1.0	1.9	2.7	1.5	.4							7.2	6.1
WNW	.2	.6	.2		.1							1.1	5.9
NW	.1	.4	.1	.1								.7	5.7
NNW	.1	.8	.6	.1								1.6	6.1
VARBL	.6	.4	.1	.6	.2	.1						1.9	9.0
CALM												9.7	
	13.6	28.8	28.7	13.3	2.6	1.2	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1629

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEMBACH AB GERMANY

22-67

NAV  
 MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	.6									2.1	2.0
NNE	1.1	1.6	.5	.1								2.3	4.7
NE	2.4	4.7	3.7	1.3								12.1	6.3
ENE	1.5	4.2	3.3	1.1	.1							10.2	6.9
E	2.3	2.8	1.6	.5								7.2	5.4
ESE	.2	.7	.2									1.1	2.1
SE	.7	.7	.7									2.1	2.4
SSE	.6	.7	.9	.1								1.9	2.4
S	1.0	1.8	1.9	.4								4.7	6.0
SSW	.9	1.0	1.3	.9	.1							3.9	6.8
SW	1.3	3.5	4.3	4.2	1.3	.7						19.4	9.9
WSW	1.4	2.2	2.3	2.7	.7	.4	.1					10.0	9.3
W	.9	.9	1.4	1.1	.1	.2						4.8	6.4
WNW	.1	.4	.1	.1	.1							.7	6.2
NW	.1	.2	.8	.1								1.3	7.3
NNW	.4	.4	.4									1.2	4.8
VARBL													
CALM												18.1	
	19.3	26.9	23.6	12.4	2.2	1.8	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1250





DATA PROCESSING BRANCH  
 ETAC/USAP  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

58-67,72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.8	.4	.2								2.2	2.5
NNE	.2	.6	.4	.1								1.2	3.0
NE	2.0	2.0	2.2	.5								8.3	8.7
ENE	.9	2.4	2.4	.6								6.5	8.6
E	1.6	2.2	2.2	.1								6.2	5.7
ESE	.1	.4	.1	.1								.6	6.7
SE	.2	.2	.1	.1								.9	5.0
SSE	.2	.2	.1	.1								.6	5.0
S	1.4	1.2	.9	.4	.1							4.2	6.2
SSW	1.6	1.2	1.4	.6	.2							3.0	6.7
SW	1.0	3.0	3.2	7.5	2.4	.9	.1					20.1	11.5
WSW	.6	1.6	2.7	5.9	2.0	1.1	.2					14.3	12.9
W	.6	2.1	2.4	2.0	.6	.1						7.7	9.5
WNW	.2	.4	.1	.1								.9	6.0
NW	.2	.7	.2									1.1	6.8
NNW	.5	.9	.2	.2								1.8	5.8
VARBL													
CALM												16.2	
	12.2	21.9	20.9	18.7	8.4	2.1	.4					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1393

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 STATION SEMBACH AB GERMANY 53-72 YEARS SEC  
 CLASS ALL WEATHER HOURS (L S T) 0000-0900  
 CONDITION \_\_\_\_\_

SPEED (KNTS): DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	.7	.1								2.3	0.0
NNE	.5	.7	.6	.1								1.9	0.3
NE	1.0	2.2	1.4	.8								7.1	2.0
ENE	.7	2.9	3.0	.6								7.2	0.6
E	.4	2.3	3.0	.2								6.6	0.8
ESE	.5	.3	.2	.1								1.2	0.1
SE	.2	.2	.1	.1								.8	0.7
SSE	.2	.0	.1	.2								1.2	0.4
S	1.0	1.1	.5	.1								2.8	0.0
SSW	.4	.7	.8	.7	.2							2.8	0.0
SW	1.1	2.7	3.8	0.2	2.0	.7	.1					20.7	11.9
WSW	.2	1.7	3.6	4.4	2.1	1.0	.1					13.4	12.6
W	1.4	1.8	2.2	2.2	.8	.4						8.7	9.9
WNW	.2	.2	.2	.1								1.1	0.2
NW	.2	.2	.2	.1	.1							1.2	0.3
NNW	.2	.7	.2	.1								1.2	0.7
VARBL	.1			.1								.2	0.7
CALM												19.1	
	11.4	20.7	23.2	18.0	3.2	2.1	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1490

1

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34056 STATION NAME SEMBACH AB GERMANY YEARS 53-72 MONTH DEC  
 CLASS ALL WEATHER HOURS (L & T) 0000-0800  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	.2	.1								1.5	3.0
NNE	1.2	.8	.2	.1								2.3	4.4
NE	1.8	3.4	2.0	.5								7.8	3.8
ENE	1.8	3.4	2.3	.5								7.7	3.9
E	1.8	2.4	2.4	.1								6.4	3.7
ESE	.4	.8	.5	.1								1.5	0.1
SE	.2	.4	.1									.7	0.3
SSE	.5	.8	.2	.1								1.1	0.8
S	.5	.8	.5	.2								2.4	3.4
SSW	1.2	1.8	.8	1.0	.2							4.8	7.0
SW	.8	2.7	3.6	6.0	1.6	.7	.2	.1				17.7	11.2
WSW	.7	2.2	3.5	5.2	2.4	1.1						15.2	12.1
W	1.0	1.2	2.3	2.0	.8	.4						7.8	10.3
WNW	.2	.2	.4	.1								1.1	0.4
NW	.2	.1	.1		.1							.8	0.4
NNW	.2	.4	.5	.1								1.2	0.1
VARBL	.7	.3		.2	.1							1.2	3.2
CALM												18.7	
	13.9	21.8	22.1	16.2	9.1	2.2	.2	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1482

1  
 DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

59-72  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	.6	.2								2.1	3.6
NNE	.6	.5	.2	.3								1.6	3.7
NE	1.5	3.1	2.6	.9	.1							5.4	6.2
ENE	1.4	3.5	1.7	.5								7.1	5.8
E	1.5	2.7	2.4	.2								6.9	6.1
ESE	.4	.6	.6	.1								1.6	3.8
SE	.5	.5	.1									1.1	3.6
SSE	.4	.1	.1									.2	3.2
S	1.1	1.2	.3	.2	.1							2.1	3.3
SSW	.7	1.8	1.1	.8	.1							4.2	7.4
SW	.9	2.8	3.3	5.6	1.8	.8		.2	.1			17.0	11.4
WSW	1.0	2.8	4.2	6.6	2.4	.8	.1					17.8	11.7
W	.8	1.0	2.3	2.4	.9	.1						7.5	10.9
WNW	.2	.1	.2	.1	.1							.7	7.8
NW	.2	.1	.2									.2	3.0
NNW	.3	.3	.3	.1								.9	3.6
VARBL	.8	.9	.2	.2	.1							2.2	3.1
CALM												16.0	
	13.2	22.5	22.6	18.9	5.5	1.7	.1	.2	.1			100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1686

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SENBACH AB GERMANY  
STATION NAME

5372  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS - LST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.8									2.4	3.5
NNE	.6	1.1	.5	.2								2.4	3.8
NE	1.4	2.9	2.7	.8								7.9	6.4
ENE	1.5	3.7	2.0	.9								6.1	6.3
E	.7	2.7	3.1	.2								6.8	6.7
ESE	.3	.6	.9	.1								1.5	4.1
SE	.3	.7	.3	.2								1.4	6.0
SSE	.2	.5	.1	.1								.8	3.6
S	.3	.7	.9	.1	.1							1.9	3.6
SSW	.4	.8	1.1	1.3	.3							4.1	9.7
SW	.7	2.3	4.7	7.2	2.3	.8	.1	.1				16.1	12.0
WSW	.4	2.4	4.7	6.3	2.7	.8	.2					17.7	12.2
W	.8	1.8	2.1	3.6	.7	.2						9.2	10.2
WNW	.1	.4	.1	.4	.1		.1					1.1	9.8
NW	.2	.5	.4	.1								1.1	6.2
NNW	.4	.8	.7	.1								2.0	6.2
VARBL	.6	1.0	.2	.4								2.3	3.9
CALM												11.2	
	9.5	24.1	24.6	22.2	6.0	1.8	.4	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1486

1  
 DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34056  
STATION

SEMBACH AB GERMANY  
STATION NAME

59-72  
YEAR

DEC  
MONTH

ALL WEATHER  
CLASS

1800-1700  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.2	.7	.2								3.3	2.2
NNE	.4	.7	.4	.2								1.4	0.1
NE	1.4	3.5	3.0	1.3								9.2	3.2
ENE	1.1	4.2	2.8	.4								8.5	3.1
E	1.5	4.5	2.2	.1								8.3	3.4
ESE	.2	.5	.3									1.1	0.1
SE	.6	.7	.2	.1								1.1	0.4
SSE	.3	.5	.2									1.1	0.8
S	.4	1.7	.5	.2	.1							2.3	0.9
SSW	1.3	1.4	1.1	1.0								4.0	7.0
SW	1.0	3.1	3.3	6.7	2.4	.7	.1	.1				19.3	11.4
WSW	1.3	1.0	3.9	5.1	1.8	.4	.1	.1	.1			14.4	11.4
W	.7	1.7	2.3	2.1	1.1	.1						8.1	10.2
WNW	.1	.3	.5	.2		.1						1.3	0.9
NW	.5	.4	.2	.1				.1				1.2	0.3
NNW	.4	1.0	1.0	.2								2.6	0.3
VARBL	.7	.5	.4	.2								2.0	0.3
CALM												10.2	
	11.2	27.9	23.4	10.2	5.4	1.2	.2	.1	.1			100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1683

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056  
STATION

SEMBACH AB GERMANY  
STATION NAME

33-67.72  
TELNO

08C  
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	.4	.8	.2								1.7	7.3
NNE	.9	1.1	.2	.1	.1							2.4	5.4
NE	1.8	2.8	1.7	.9								6.9	6.2
ENE	2.2	3.2	2.1	.4								7.8	5.7
E	1.4	2.7	2.1	.2								6.5	5.7
ESE	.8	.8	.1									1.9	4.2
SE	.8	.8	.2									1.8	4.4
SSE	.4	.4		.1								1.9	4.2
S	.9	2.4	.4	.4	.1							4.2	5.8
SSW	.9	1.8	1.9	1.2	.2							6.1	7.8
SW	1.0	3.2	3.2	3.0	1.9	1.1	.6	.1				19.1	11.9
WSW	.6	2.4	3.5	3.2	1.6	.4	.1	.1				14.1	11.6
W	.9	1.1	2.4	1.9	.7	.8						7.0	10.2
WNW	.1	.4	.6	.2	.1	.1						1.8	10.1
NW	.1	.4	.1	.1		.1						.9	8.7
NNW	.2	.8	1.1	.1								1.9	6.7
VARBL													
CALM												17.2	
	12.2	32.5	22.5	10.6	4.7	2.2	.7	.2				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1895



DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34056 SEMBACH AB GERMANY  
 STATION STATION NAME

53-67

DEC

ALL WEATHER  
 CLASS

2100-2300  
 TIME

CONDITION

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	MEAN WIND SPEED
N	.2	.7	1.5	.1								2.6	7.3
NNE	.6	1.0	.4	.1								2.2	4.9
NE	.6	2.2	1.4	.9	.1							8.1	3.9
ENE	.5	2.9	2.4	.6	.1							7.3	6.2
E	1.0	2.6	1.1	.3	.1							3.1	3.9
ESE	.2	.5	.4	.2								1.3	6.2
SE	.4	.4	.4									.9	3.7
SSE	.5	.4										1.1	3.1
S	1.2	.9	1.1	.2								3.3	3.7
SSW	.5	1.1	1.4	1.0	.1							4.2	3.3
SW	1.2	3.0	4.9	6.7	2.9	1.1	.2	.1				20.9	11.6
WSW	.6	2.2	3.3	5.4	1.6	.9	.4					19.4	12.2
W	1.0	1.6	2.3	1.3	.4	.2						7.4	9.2
WNW	.2	.1	.4	.1	.2							1.1	9.2
NW	.2	.1	.2	.1	.1							1.1	6.1
NNW	.4	.2	.2	.2								1.1	6.2
VARBL													
CALM												18.2	
	11.4	23.2	21.9	17.3	3.1	2.3	.9	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1893

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

34050  
STATION

SEYDACH AB GERMANY  
STATION NAME

22-72  
YEAR

ALL  
MONTH

INSTRUMENT  
CLASS

ALL  
MODEL

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,  
COMBINATION

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

SP. FT KNTS DIR	3	4	6	7	10	11	16	17	21	22	27	28	33	34	40	41	47	48	55	≥ 56	MEAN WIND SPEED	
N			1	1	1	1	1	1	1	1	1										3.4	0.1
NNE			1	1	1	1	1	1	1	1	1										2.6	0.2
NE			1	1	1	1	1	1	1	1	1										9.7	0.2
ENE			1	1	1	1	1	1	1	1	1										6.6	0.2
E			1	1	1	1	1	1	1	1	1										4.2	0.0
ESE			1	1	1	1	1	1	1	1	1										4.8	0.0
SE			1	1	1	1	1	1	1	1	1										7.7	0.1
SSE			1	1	1	1	1	1	1	1	1										4.9	0.1
S			1	1	1	1	1	1	1	1	1										2.0	0.0
SSW			1	1	1	1	1	1	1	1	1										3.9	0.1
SW			1	1	1	1	1	1	1	1	1										17.2	10.6
WSW			1	1	1	1	1	1	1	1	1										13.5	10.0
W			1	1	1	1	1	1	1	1	1										7.2	0.9
WNW			1	1	1	1	1	1	1	1	1										1.0	0.3
NW			1	1	1	1	1	1	1	1	1										1.4	0.2
NNW			1	1	1	1	1	1	1	1	1										2.0	0.0
VARBL			1	1	1	1	1	1	1	1	1										9.9	4.3
CALM																					20.9	
	12.2	24.0	22.2	18.7	9.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 37862

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 10 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 1947. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1947 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1947 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	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ 0	
NO CEILING												
1800												
1500					91.0							
1200												
1000												
500												
800												
700												
600												
500												
400									97.4			91.1
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  $\geq 0$ .  
 For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
 Ceiling  $\geq 500$  feet = 98.1%.

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

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

#### ADDITIONAL EXAMPLES

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

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

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

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

59-72

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

22.1	24.5	26.9	29.0	29.9	31.4	31.7	32.1	32.6	32.9	33.0	33.2	33.4	33.4	34.1
27.0	30.0	32.7	35.1	36.2	37.3	38.2	38.6	39.2	39.6	39.7	39.8	40.1	40.1	40.4
27.1	30.0	32.7	35.2	36.2	37.6	38.3	38.7	39.3	39.7	39.8	40.0	40.2	40.2	40.9
27.1	30.1	32.8	35.2	36.3	37.7	38.4	38.8	39.3	39.7	39.8	40.0	40.2	40.2	41.0
27.4	30.3	33.1	35.3	36.6	38.0	38.7	39.1	39.7	40.1	40.2	40.3	40.6	40.6	41.3
28.0	31.1	33.8	36.3	37.4	38.8	39.6	40.0	40.5	40.9	41.1	41.2	41.5	41.5	42.2
29.3	32.4	35.3	37.8	39.0	40.4	41.2	41.6	42.2	42.6	42.7	42.9	43.1	43.2	43.9
30.6	33.9	36.9	39.6	40.8	42.3	43.1	43.5	44.2	44.6	44.7	44.8	45.1	45.2	45.9
33.0	36.3	39.7	42.6	43.8	45.4	46.3	46.8	47.4	47.9	48.0	48.1	48.4	48.5	49.2
35.6	39.3	42.8	45.8	47.2	48.9	49.8	50.3	51.0	51.5	51.6	51.8	52.1	52.1	52.9
37.6	41.3	45.2	48.4	49.8	51.6	52.5	53.0	53.7	54.2	54.3	54.5	54.8	54.8	55.7
39.8	43.6	47.5	50.9	52.4	54.3	55.2	55.8	56.5	57.1	57.2	57.4	57.7	57.7	58.6
40.3	44.8	48.8	52.3	53.9	55.8	56.8	57.3	58.1	58.6	58.8	59.0	59.3	59.3	60.2
42.2	46.8	51.0	54.6	56.3	58.3	59.3	59.9	60.7	61.2	61.4	61.6	61.9	61.9	62.8
43.9	48.7	53.1	56.9	58.6	60.8	61.8	62.4	63.2	63.8	64.0	64.2	64.5	64.5	65.4
46.2	51.3	56.1	60.1	61.9	64.1	65.2	65.9	66.7	67.3	67.5	67.7	68.0	68.1	68.9
48.3	53.9	58.9	63.2	65.1	67.3	68.6	69.3	70.2	70.8	71.0	71.2	71.5	71.6	72.4
50.6	56.8	62.0	66.6	68.6	71.1	72.4	73.1	74.0	74.6	74.8	75.0	75.4	75.4	76.3
51.4	57.3	63.1	67.8	70.0	72.6	73.8	74.3	75.3	76.1	76.3	76.5	76.9	76.9	77.8
52.7	59.2	65.3	70.3	72.6	75.3	76.6	77.4	78.4	79.1	79.3	79.5	79.8	79.9	80.8
54.1	61.2	67.9	73.4	75.9	78.9	80.4	81.1	82.2	82.9	83.2	83.4	83.7	83.8	84.7
54.7	62.1	69.3	75.1	77.8	81.0	82.6	83.4	84.6	85.3	85.6	85.8	86.2	86.2	87.1
54.9	62.6	70.0	76.1	78.9	82.2	83.9	84.7	85.9	86.7	87.0	87.2	87.6	87.6	88.5
55.2	63.0	70.8	77.2	80.2	83.8	85.6	86.5	87.7	88.6	88.8	89.1	89.5	89.5	90.4
55.3	63.3	71.3	78.0	81.2	85.0	86.9	87.9	89.2	90.2	90.4	90.7	91.0	91.1	92.0
55.4	63.5	71.6	78.5	81.9	85.9	87.9	89.0	90.4	91.4	91.7	92.0	92.4	92.4	93.3
55.4	63.6	71.8	78.9	82.4	86.7	88.9	90.0	91.6	92.7	93.0	93.4	93.8	93.8	94.8
55.4	63.6	71.9	79.1	82.7	87.2	89.5	90.8	92.6	93.8	94.1	94.5	95.0	95.0	96.0
55.4	63.6	71.9	79.1	82.8	87.6	90.1	91.5	93.5	94.7	95.1	95.5	96.1	96.2	97.3
55.4	63.6	71.9	79.1	82.8	87.6	90.1	91.5	93.5	94.7	95.1	95.5	96.1	96.2	97.3
55.4	63.6	71.9	79.1	82.9	87.6	90.1	91.5	93.6	94.8	95.2	95.6	96.3	96.3	97.4
55.4	63.6	71.9	79.1	82.9	87.6	90.1	91.5	93.6	94.8	95.2	95.6	96.4	96.4	97.5

TOTAL NUMBER OF OBSERVATIONS

148098

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

9.6	12.2	14.6	17.1	18.4	20.4	21.3	21.9	22.7	23.1	23.2	23.3	23.5	23.6	24.0
11.4	14.4	17.1	20.0	21.5	23.6	24.6	25.3	26.2	26.8	26.9	27.0	27.2	27.3	27.7
11.4	14.4	17.1	20.0	21.5	23.7	24.7	25.4	26.3	26.8	26.9	27.1	27.3	27.4	27.8
11.4	14.5	17.1	20.0	21.5	23.7	24.7	25.4	26.3	26.8	27.0	27.1	27.4	27.4	27.8
11.6	14.6	17.2	20.2	21.7	23.9	24.9	25.6	26.5	27.0	27.2	27.3	27.6	27.6	28.0
12.0	15.0	17.7	20.7	22.2	24.4	25.4	26.1	27.1	27.6	27.7	27.9	28.1	28.2	28.6
12.6	15.6	18.4	21.4	23.0	25.2	26.4	27.1	28.0	28.6	28.7	28.9	29.1	29.2	29.6
13.1	16.4	19.1	22.4	23.9	26.4	27.5	28.3	29.2	29.8	29.9	30.1	30.3	30.4	30.8
13.9	17.3	20.3	23.7	25.4	28.0	29.1	29.9	30.9	31.5	31.6	31.8	32.1	32.1	32.5
14.9	18.4	21.6	25.2	26.9	29.6	30.8	31.6	32.6	33.2	33.4	33.6	33.9	33.9	34.4
15.8	19.4	22.7	26.5	28.3	31.0	32.2	33.1	34.1	34.8	35.0	35.2	35.5	35.5	36.0
16.7	20.4	23.9	27.8	29.7	32.5	33.9	34.8	35.9	36.6	36.8	37.0	37.3	37.4	37.8
17.1	20.9	24.5	28.4	30.3	33.2	34.6	35.6	36.6	37.3	37.6	37.8	38.1	38.1	38.6
17.9	21.9	25.7	29.7	31.8	34.7	36.2	37.2	38.3	39.0	39.3	39.5	39.8	39.9	40.3
19.1	23.3	27.3	31.3	33.6	36.6	38.0	39.1	40.2	41.0	41.2	41.3	41.8	41.8	42.3
20.7	25.2	29.6	34.1	36.4	39.6	41.2	42.2	43.4	44.2	44.5	44.8	45.1	45.2	45.6
22.6	27.3	32.1	37.0	39.4	42.8	44.4	45.3	46.7	47.3	47.9	48.1	48.3	48.3	49.0
24.9	30.6	36.0	41.3	44.1	47.8	49.6	50.7	52.0	52.9	53.2	53.3	53.8	53.9	54.4
25.8	31.8	37.4	43.0	45.8	49.7	51.5	52.7	54.1	55.0	55.3	55.6	55.9	56.0	56.4
27.4	34.0	40.1	46.2	49.4	53.6	55.6	56.9	58.3	59.3	59.6	59.9	60.3	60.3	60.8
29.6	36.8	43.7	50.3	54.0	58.8	60.9	62.2	63.8	64.9	65.3	65.6	65.9	66.0	66.5
30.6	38.4	45.9	53.4	57.3	62.4	64.7	66.2	67.9	69.1	69.5	69.8	70.2	70.2	70.7
31.0	39.1	47.3	55.2	59.3	64.7	67.2	68.8	70.6	71.9	72.3	72.6	73.0	73.1	73.6
31.5	40.1	49.1	57.3	61.9	67.8	70.6	72.3	74.4	75.9	76.3	76.6	77.0	77.1	77.6
31.9	40.7	50.3	59.2	64.0	70.3	73.2	75.0	77.3	79.0	79.4	79.7	80.2	80.3	80.8
32.0	41.1	51.0	60.3	65.4	72.0	75.3	77.3	80.1	82.0	82.3	82.9	83.4	83.4	83.9
32.1	41.3	51.8	61.2	66.8	73.8	77.6	79.8	82.8	85.0	85.6	86.1	86.7	86.7	87.3
32.1	41.4	51.6	61.6	67.3	75.0	79.3	81.9	85.3	87.8	88.5	89.1	89.9	90.0	90.3
32.1	41.4	51.7	61.7	67.6	75.6	80.3	83.1	87.0	90.1	91.1	92.0	93.2	93.3	94.1
32.1	41.4	51.7	61.7	67.7	75.9	80.5	83.8	87.9	91.3	92.8	94.1	95.9	96.1	97.3
32.1	41.4	51.7	61.7	67.7	75.9	80.5	83.8	88.0	91.6	93.1	94.3	96.6	96.8	99.2
32.1	41.4	51.7	61.7	67.7	75.9	80.5	83.8	88.0	91.6	93.1	94.3	96.6	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS

12013

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

12.4	15.0	17.5	20.7	22.4	25.0	26.0	26.8	28.1	28.9	29.1	29.3	29.5	29.5	29.5	30.0
15.5	18.6	21.5	25.3	27.3	30.2	31.4	32.2	33.8	34.6	34.6	35.1	35.2	35.3	35.3	35.9
15.7	18.7	21.7	25.5	27.6	30.4	31.6	32.5	34.0	34.9	35.1	35.2	35.3	35.5	35.5	36.1
15.9	19.0	22.0	25.8	27.8	30.7	31.9	32.8	34.3	35.1	35.4	35.6	35.8	35.8	35.8	36.4
16.3	19.4	22.5	26.4	28.5	31.4	32.6	33.5	35.0	35.9	36.1	36.3	36.3	36.5	36.5	37.1
16.9	20.2	23.3	27.4	29.5	32.5	33.8	34.7	36.4	37.3	37.5	37.7	37.9	37.9	38.5	38.5
17.5	20.8	24.0	28.3	30.4	33.7	35.0	35.9	37.7	38.7	38.9	39.1	39.4	39.4	40.0	40.0
18.7	22.1	25.6	29.9	32.1	35.5	37.1	38.1	40.0	41.0	41.2	41.5	41.7	41.7	41.7	42.3
19.9	23.5	27.2	31.9	34.4	37.9	39.6	40.7	42.6	43.7	43.9	44.2	44.4	44.4	44.5	45.1
21.1	24.8	28.7	33.6	36.2	39.8	41.5	42.6	44.6	45.7	45.9	46.2	46.4	46.4	46.4	47.0
22.4	26.2	30.3	35.3	38.0	41.7	43.5	44.6	46.6	47.7	48.0	48.3	48.5	48.6	48.6	49.2
23.1	27.0	31.2	36.3	39.1	42.8	44.6	45.8	47.8	48.9	49.2	49.5	49.8	49.8	49.8	50.4
24.2	28.3	32.7	38.0	40.7	44.6	46.5	47.6	49.7	50.8	51.2	51.5	51.8	51.8	51.8	52.4
25.5	29.8	34.5	40.1	43.0	46.9	48.9	50.1	52.2	53.3	53.7	54.0	54.3	54.3	54.3	55.0
27.7	32.3	37.4	43.5	46.5	50.6	52.5	53.8	56.0	57.2	57.6	58.0	58.2	58.3	58.3	58.9
29.4	34.6	40.0	46.6	49.7	54.0	56.0	57.4	59.6	60.9	61.3	61.7	62.0	62.0	62.0	62.7
31.8	37.3	43.3	50.6	53.9	58.5	60.8	62.2	64.3	65.8	66.2	66.6	66.9	66.9	66.9	67.5
32.4	38.5	44.8	52.3	55.8	60.5	62.8	64.3	66.6	67.9	68.3	68.8	69.1	69.1	69.1	69.7
34.0	40.6	47.4	55.3	58.8	63.9	66.4	67.9	70.4	71.8	72.2	72.6	72.9	73.0	73.0	73.6
35.5	42.9	50.5	59.1	62.9	68.3	71.2	72.9	75.6	77.1	77.6	78.0	78.3	78.4	78.4	79.0
36.1	44.0	52.1	61.3	65.3	71.0	74.1	75.9	78.9	80.4	80.9	81.4	81.7	81.8	81.8	82.4
36.3	44.5	52.8	62.3	66.3	72.3	75.8	77.6	80.8	82.4	82.8	83.3	83.7	83.7	83.7	84.4
36.7	45.1	53.9	62.9	68.3	74.6	78.1	80.2	83.5	85.2	85.6	86.3	86.7	86.7	86.7	87.4
36.9	45.5	54.3	64.9	69.4	76.0	79.7	81.8	85.4	87.4	87.9	88.4	88.9	88.9	88.9	89.6
36.9	45.6	54.7	65.3	70.0	76.8	80.6	82.9	86.7	88.8	89.4	90.0	90.5	90.5	90.5	91.2
37.0	45.7	55.0	65.8	70.6	77.7	81.7	84.2	88.2	90.6	91.3	91.9	92.4	92.5	92.5	93.2
37.0	45.8	55.1	66.0	71.0	78.5	82.9	85.5	89.8	92.4	93.2	93.9	94.5	94.5	94.5	95.2
37.0	45.8	55.1	66.1	71.2	78.9	83.5	86.2	90.8	93.7	94.6	95.4	96.1	96.2	96.2	97.0
37.0	45.8	55.1	66.1	71.2	79.0	83.6	86.4	91.0	94.0	95.0	95.9	96.6	96.6	96.6	97.1
37.0	45.8	55.1	66.1	71.2	79.0	83.6	86.4	91.1	94.2	95.2	96.2	97.3	97.4	97.4	98.9
37.0	45.8	55.1	66.1	71.2	79.0	83.6	86.4	91.1	94.2	95.2	96.2	97.3	97.5	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS

10037



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

5672

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

20.0	23.7	27.3	30.6	31.9	33.3	34.0	34.3	34.8	35.0	35.1	35.1	35.3	35.3	35.5
24.6	28.9	33.1	36.8	38.3	39.9	40.6	41.0	41.3	41.7	41.8	41.9	42.0	42.1	42.2
24.6	28.9	33.1	36.8	38.3	39.9	40.7	41.0	41.8	41.8	41.8	41.9	42.1	42.1	42.3
24.7	29.0	33.2	36.9	38.4	40.0	40.8	41.1	41.6	41.9	41.9	42.0	42.1	42.2	42.4
25.0	29.3	33.6	37.3	38.8	40.4	41.2	41.6	42.1	42.4	42.4	42.5	42.6	42.7	42.9
25.4	29.9	34.1	38.0	39.5	41.1	41.9	42.3	42.8	43.1	43.1	43.2	43.4	43.4	43.6
26.6	31.2	35.5	39.5	41.1	42.7	43.5	43.9	44.4	44.7	44.8	44.9	45.0	45.1	45.3
27.4	32.0	36.5	40.6	42.2	44.0	44.8	45.2	45.8	46.1	46.2	46.2	46.4	46.4	46.6
29.0	33.9	38.4	42.6	44.3	46.1	47.0	47.4	48.0	48.3	48.4	48.5	48.6	48.7	48.9
30.8	36.0	40.7	45.2	47.0	49.1	50.0	50.5	51.1	51.5	51.6	51.6	51.8	51.8	52.1
32.0	37.4	42.4	47.2	49.1	51.2	52.2	52.7	53.3	53.7	53.8	53.8	54.0	54.0	54.3
33.6	39.4	44.6	49.6	51.7	53.8	54.9	55.4	56.0	56.4	56.5	56.6	56.8	56.8	57.1
34.6	40.5	45.9	51.1	53.2	55.6	56.6	57.2	57.8	58.2	58.3	58.4	58.6	58.6	59.0
36.4	42.6	48.5	53.9	56.1	58.6	59.8	60.4	61.0	61.4	61.5	61.6	61.8	61.9	62.2
38.3	44.9	51.2	56.8	59.2	61.8	63.0	63.7	64.3	64.7	64.8	64.9	65.1	65.1	65.5
40.8	48.0	54.8	60.8	63.4	66.1	67.4	68.1	68.8	69.2	69.3	69.4	69.6	69.6	69.9
43.4	51.1	58.4	65.0	67.8	70.6	72.0	72.7	73.3	73.9	74.0	74.1	74.3	74.3	74.6
46.1	54.3	62.8	69.3	72.4	75.4	76.9	77.6	78.4	78.9	79.0	79.1	79.3	79.3	79.7
46.5	55.4	63.7	71.0	74.0	77.1	78.6	79.4	80.2	80.7	80.8	80.9	81.1	81.1	81.4
48.1	57.3	66.0	73.6	76.9	80.0	81.6	82.4	83.3	83.8	83.9	84.0	84.2	84.2	84.6
49.4	59.4	68.9	77.0	80.3	84.0	85.7	86.3	87.3	88.0	88.2	88.3	88.5	88.5	88.9
49.9	60.2	69.9	78.4	82.1	85.8	87.6	88.3	89.3	90.1	90.2	90.4	90.6	90.6	90.9
50.1	60.5	70.7	79.4	83.2	87.0	88.9	89.9	91.0	91.6	91.7	91.9	92.1	92.1	92.5
50.3	61.0	71.5	80.6	84.5	88.6	90.6	91.6	92.8	93.4	93.6	93.7	93.9	94.0	94.3
50.5	61.2	72.0	81.4	85.3	89.8	91.9	92.9	94.2	94.9	95.0	95.2	95.4	95.5	95.8
50.5	61.4	72.3	81.8	86.0	90.3	92.7	93.7	95.1	95.8	96.0	96.2	96.4	96.4	96.8
50.5	61.4	72.5	82.1	86.4	91.0	93.3	94.4	95.8	96.7	96.9	97.1	97.4	97.4	97.8
50.5	61.5	72.5	82.2	86.5	91.2	93.5	94.7	96.2	97.2	97.3	97.5	98.1	98.1	98.4
50.5	61.5	72.5	82.2	86.5	91.3	93.5	95.0	96.4	97.4	97.5	98.1	98.5	98.5	98.9
50.5	61.5	72.5	82.2	86.5	91.3	93.8	95.0	96.8	98.0	98.2	98.9	99.1	99.1	99.6
50.5	61.5	72.5	82.2	86.5	91.3	93.8	95.0	96.8	98.0	98.4	98.6	99.2	99.2	99.8
50.5	61.5	72.5	82.2	86.5	91.3	93.8	95.0	96.8	98.0	98.4	98.7	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

12100

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

84-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

ALL

29.5	31.3	33.3	34.9	35.4	35.9	36.2	36.4	36.5	36.6	36.7	36.7	36.8	36.8	36.9
36.1	38.3	40.9	42.9	43.4	44.1	44.4	44.6	44.8	44.9	45.0	45.0	45.1	45.1	45.2
36.2	38.6	41.0	43.1	43.6	44.2	44.5	44.8	44.9	45.0	45.1	45.1	45.2	45.2	45.4
36.4	38.8	41.2	43.3	43.8	44.4	44.7	45.0	45.1	45.3	45.3	45.4	45.4	45.5	45.6
37.3	39.8	42.3	44.3	44.8	45.5	45.8	46.0	46.2	46.3	46.4	46.4	46.5	46.5	46.7
38.6	41.3	43.8	46.1	46.6	47.3	47.7	47.9	48.1	48.2	48.3	48.3	48.4	48.4	48.6
39.7	42.3	45.1	47.3	47.8	48.6	49.0	49.2	49.4	49.5	49.6	49.6	49.7	49.7	49.9
42.1	45.0	47.9	50.4	51.0	51.8	52.2	52.5	52.6	52.8	52.9	52.9	53.0	53.0	53.2
45.2	48.4	51.5	54.1	54.9	55.7	56.1	56.4	56.6	56.8	56.8	56.9	57.0	57.0	57.2
47.8	51.4	54.7	57.4	58.3	59.2	59.6	59.9	60.1	60.3	60.4	60.4	60.5	60.5	60.8
50.0	53.8	57.4	60.2	61.1	62.1	62.6	62.9	63.1	63.4	63.4	63.5	63.6	63.6	63.8
51.3	55.4	59.2	62.1	63.1	64.1	64.5	64.9	65.1	65.3	65.4	65.4	65.5	65.5	65.8
53.9	58.1	62.0	65.2	66.2	67.3	67.8	68.2	68.4	68.7	68.8	68.8	68.9	68.9	69.2
56.1	60.3	64.6	68.0	69.1	70.3	70.8	71.1	71.4	71.7	71.8	71.8	71.9	71.9	72.2
59.3	64.0	68.7	72.2	73.3	74.5	75.0	75.3	75.7	76.0	76.2	76.4	76.5	76.6	76.9
62.1	67.2	72.1	75.8	77.1	78.5	79.1	79.5	79.8	80.1	80.2	80.3	80.4	80.4	80.7
64.4	69.8	75.1	79.1	80.6	82.0	82.6	83.0	83.4	83.7	83.8	83.8	83.9	83.9	84.3
65.2	70.9	76.3	80.6	82.1	83.6	84.2	84.6	85.0	85.3	85.4	85.4	85.5	85.6	85.9
66.8	72.9	78.9	83.3	84.9	86.5	87.1	87.6	88.0	88.3	88.4	88.4	88.6	88.6	88.9
68.4	75.1	81.6	86.3	88.1	89.9	90.5	91.1	91.4	91.7	91.9	91.9	92.0	92.0	92.4
68.9	76.1	83.0	88.1	90.0	91.9	92.6	93.1	93.4	93.8	93.9	94.0	94.1	94.1	94.4
69.1	76.4	83.3	88.6	90.7	92.6	93.3	94.0	94.4	94.7	94.8	94.9	95.0	95.0	95.3
69.3	76.6	83.5	89.2	91.4	93.4	94.1	95.0	95.4	95.7	95.8	95.9	96.0	96.0	96.4
69.3	76.7	84.1	89.7	92.0	94.4	95.3	95.9	96.3	96.7	96.8	96.8	96.9	97.0	97.3
69.3	76.8	84.2	89.9	92.2	94.8	95.8	96.5	96.9	97.3	97.4	97.5	97.6	97.6	98.0
69.3	76.8	84.3	90.0	92.4	95.2	96.3	97.0	97.6	98.0	98.1	98.2	98.3	98.3	98.7
69.3	76.8	84.3	90.1	92.6	95.4	96.5	97.4	98.0	98.5	98.6	98.7	98.8	98.8	99.2
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.7	98.8	98.9	99.0	99.1	99.6
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.8	98.9	99.0	99.1	99.1	99.7
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.8	99.0	99.0	99.1	99.1	99.8
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.8	99.0	99.1	99.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS

11022

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

54072

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

	32.0	34.3	35.5	36.2	36.7	37.2	37.3	37.4	37.5	37.6	37.6	37.7	37.8	37.8	38.0
	40.9	43.3	44.8	45.8	46.2	46.8	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.5	47.8
	41.0	43.4	44.9	45.9	46.3	46.9	47.0	47.1	47.2	47.3	47.4	47.5	47.6	47.6	47.9
	41.1	43.5	45.0	46.0	46.5	47.1	47.2	47.3	47.5	47.6	47.6	47.7	47.8	47.8	48.1
	42.0	44.4	45.9	47.0	47.4	48.0	48.1	48.3	48.4	48.6	48.6	48.7	48.7	48.7	49.0
	43.4	46.0	47.5	48.6	49.1	49.7	49.8	49.9	50.1	50.3	50.3	50.4	50.5	50.5	50.8
	45.3	48.0	49.7	50.8	51.3	51.9	52.0	52.2	52.3	52.5	52.5	52.6	52.7	52.7	53.0
	49.0	52.0	53.9	55.1	55.6	56.3	56.5	56.6	56.7	56.9	57.0	57.1	57.2	57.2	57.5
	53.2	56.6	59.0	60.5	61.0	61.8	62.0	62.1	62.3	62.5	62.6	62.7	62.8	62.8	63.1
	56.2	59.9	62.4	64.1	64.6	65.3	65.6	65.7	65.9	66.1	66.2	66.3	66.4	66.4	66.8
	59.1	63.1	65.9	67.8	68.4	69.3	69.5	69.7	69.9	70.1	70.2	70.3	70.4	70.4	70.8
	60.7	64.9	67.9	69.9	70.5	71.4	71.6	71.8	72.0	72.2	72.3	72.4	72.5	72.5	72.9
	63.3	67.7	70.9	73.1	73.7	74.6	74.9	75.1	75.3	75.6	75.6	75.7	75.8	75.9	76.2
	65.8	70.4	73.8	76.1	76.8	77.7	78.0	78.1	78.4	78.6	78.7	78.8	78.9	78.9	79.3
	69.1	74.0	77.7	80.1	80.9	81.9	82.2	82.4	82.7	82.9	83.0	83.1	83.2	83.2	83.6
	72.0	77.2	81.0	83.6	84.4	85.3	85.8	86.0	86.3	86.5	86.6	86.7	86.8	86.8	87.2
	74.4	80.0	84.0	86.7	87.6	88.7	89.0	89.2	89.5	89.8	89.8	89.9	90.1	90.1	90.5
	75.1	80.8	84.9	87.7	88.5	89.6	90.0	90.2	90.5	90.7	90.8	90.9	91.0	91.0	91.5
	76.1	82.0	86.4	89.3	90.2	91.3	91.7	91.9	92.2	92.5	92.5	92.6	92.8	92.8	93.2
	77.1	83.4	88.4	91.6	92.5	93.8	94.1	94.4	94.7	94.9	95.0	95.1	95.2	95.2	95.7
	77.5	84.1	89.2	92.6	93.6	94.9	95.3	95.5	95.8	96.1	96.2	96.3	96.4	96.4	96.9
	77.6	84.3	89.3	93.1	94.2	95.5	95.9	96.1	96.4	96.7	96.8	96.9	97.0	97.0	97.5
	77.7	84.5	89.6	93.5	94.7	96.1	96.5	96.7	97.1	97.3	97.4	97.5	97.6	97.7	98.1
	77.8	84.6	90.0	93.8	95.0	96.5	96.9	97.1	97.5	97.8	97.9	98.0	98.1	98.1	98.5
	77.8	84.6	90.1	94.1	95.4	96.9	97.3	97.5	98.0	98.3	98.3	98.4	98.5	98.5	99.0
	77.8	84.6	90.1	94.2	95.8	97.1	97.5	97.8	98.3	98.5	98.6	98.7	98.8	98.9	99.3
	77.8	84.6	90.2	94.3	95.6	97.2	97.7	97.9	98.4	98.7	98.8	98.9	99.0	99.1	99.5
	77.8	84.6	90.2	94.3	95.6	97.2	97.7	97.9	98.4	98.7	98.8	98.9	99.0	99.1	99.5
	77.8	84.6	90.2	94.3	95.6	97.2	97.7	97.9	98.4	98.7	98.8	98.9	99.0	99.1	99.5
	77.8	84.6	90.2	94.3	95.6	97.2	97.7	97.9	98.4	98.7	98.8	98.9	99.0	99.1	99.5
	77.8	84.6	90.2	94.3	95.6	97.2	97.7	97.9	98.4	98.7	98.8	98.9	99.0	99.1	99.5
	77.8	84.6	90.2	94.3	95.6	97.2	97.7	97.9	98.4	98.7	98.8	98.9	99.0	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS 11988



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

32.8	35.0	36.6	37.9	38.2	38.7	39.0	39.2	39.3	39.4	39.4	39.5	39.6	39.6	39.9
35.6	42.1	44.0	45.5	45.9	46.6	46.9	47.1	47.2	47.2	47.4	47.4	47.5	47.5	47.9
39.6	42.1	44.0	45.5	45.9	46.6	46.9	47.1	47.2	47.3	47.4	47.4	47.5	47.5	47.9
39.7	42.2	44.1	45.6	46.0	46.7	47.0	47.2	47.3	47.4	47.5	47.5	47.6	47.6	47.9
40.2	42.7	44.6	46.0	46.4	47.1	47.5	47.6	47.6	47.9	47.9	48.0	48.0	48.0	48.4
40.9	43.4	45.4	46.9	47.2	48.0	48.3	48.4	48.6	48.7	48.7	48.8	48.9	48.9	49.2
42.8	45.4	47.4	49.0	49.4	50.1	50.4	50.6	50.8	50.9	50.9	51.0	51.0	51.0	51.4
45.1	47.9	50.0	51.6	52.0	52.8	53.1	53.3	53.5	53.6	53.6	53.7	53.7	53.8	54.1
49.6	52.7	55.0	56.7	57.1	58.0	58.4	58.5	58.7	58.8	58.9	58.9	59.0	59.0	59.4
54.0	57.4	60.0	61.9	62.4	63.3	63.7	63.9	64.1	64.2	64.3	64.3	64.4	64.4	64.8
57.1	60.8	63.6	65.7	66.3	67.2	67.7	67.8	68.0	68.2	68.2	68.3	68.4	68.4	68.8
60.5	64.5	67.5	69.8	70.4	71.4	71.8	72.0	72.2	72.4	72.5	72.5	72.6	72.6	73.0
61.9	66.1	69.2	71.6	72.2	73.2	73.7	73.9	74.1	74.3	74.3	74.4	74.5	74.5	74.9
64.2	68.6	71.9	74.3	75.0	76.1	76.6	76.8	77.0	77.2	77.2	77.3	77.4	77.4	77.8
66.5	71.1	74.6	77.2	77.9	79.0	79.5	79.7	80.0	80.2	80.3	80.3	80.4	80.4	80.8
69.5	74.4	78.1	80.7	81.5	82.6	83.1	83.4	83.7	83.9	83.9	84.0	84.1	84.1	84.5
72.2	77.4	81.4	84.1	84.9	86.1	86.7	86.9	87.2	87.5	87.5	87.6	87.7	87.7	88.1
74.3	79.7	83.7	86.5	87.3	88.7	89.3	89.5	89.9	90.1	90.1	90.2	90.3	90.3	90.7
74.9	80.3	84.3	87.3	88.2	89.5	90.1	90.4	90.7	90.9	91.0	91.1	91.2	91.2	91.6
75.8	81.6	85.9	88.8	89.7	91.1	91.8	92.0	92.4	92.6	92.7	92.7	92.9	92.9	93.3
76.9	83.0	87.5	90.5	91.5	93.0	93.6	93.9	94.3	94.5	94.6	94.7	94.8	94.8	95.2
77.3	83.6	88.2	91.4	92.3	94.0	94.7	95.0	95.4	95.6	95.7	95.7	95.9	95.9	96.3
77.5	83.9	88.7	92.0	93.0	94.6	95.3	95.6	96.0	96.3	96.3	96.4	96.5	96.5	96.9
77.7	84.3	89.1	92.4	93.6	95.2	95.9	96.3	96.7	96.9	97.0	97.0	97.2	97.2	97.6
77.8	84.5	89.3	92.7	93.9	95.5	96.3	96.7	97.1	97.3	97.4	97.5	97.6	97.6	98.0
77.8	84.4	89.4	93.0	94.2	96.0	96.8	97.2	97.6	97.9	97.9	98.0	98.1	98.1	98.5
77.8	84.4	89.4	93.1	94.4	96.2	97.1	97.5	98.0	98.3	98.3	98.4	98.5	98.5	98.9
77.8	84.4	89.4	93.1	94.4	96.3	97.3	97.7	98.2	98.5	98.6	98.7	98.8	98.8	99.2
77.8	84.4	89.4	93.1	94.5	96.4	97.4	97.9	98.4	98.7	98.8	98.9	99.0	99.0	99.4
77.8	84.4	89.4	93.1	94.5	96.4	97.4	97.9	98.3	98.8	98.9	99.1	99.2	99.2	99.7
77.8	84.4	89.4	93.1	94.5	96.4	97.4	97.9	98.3	98.8	98.9	99.1	99.3	99.3	99.9
77.8	84.4	89.5	93.1	94.5	96.4	97.4	97.9	98.3	98.9	98.9	99.1	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

12917

1  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

30.4	32.8	34.8	35.9	36.3	36.9	37.2	37.4	37.8	38.0	38.1	38.2	38.3	38.4	38.9
37.9	41.0	43.1	44.3	44.8	45.5	45.9	46.1	46.3	46.8	46.9	47.0	47.1	47.2	47.8
38.0	41.1	43.2	44.4	44.8	45.6	46.0	46.2	46.6	46.9	46.9	47.0	47.2	47.3	47.9
38.1	41.2	43.4	44.6	45.0	45.7	46.2	46.4	46.7	47.0	47.1	47.2	47.4	47.5	48.0
38.5	41.7	43.8	45.1	45.5	46.2	46.6	46.9	47.2	47.5	47.6	47.7	47.9	47.9	48.5
39.8	43.1	45.2	46.5	46.9	47.6	48.1	48.3	48.7	49.0	49.0	49.1	49.3	49.4	50.0
42.0	45.3	47.6	48.9	49.3	50.1	50.6	50.8	51.2	51.5	51.6	51.7	51.9	52.0	52.5
44.9	48.4	50.8	52.3	52.8	53.6	54.1	54.4	54.8	55.1	55.2	55.3	55.5	55.5	56.1
45.9	52.8	55.5	57.3	57.8	58.7	59.2	59.5	59.9	60.3	60.4	60.5	60.7	60.7	61.4
52.9	57.0	59.9	61.8	62.3	63.2	63.8	64.1	64.5	64.9	65.0	65.1	65.3	65.4	66.1
55.9	60.3	63.3	65.3	65.8	66.8	67.5	67.8	68.2	68.6	68.7	68.8	69.0	69.1	69.8
58.2	62.8	66.0	68.1	68.7	69.7	70.4	70.7	71.2	71.6	71.7	71.8	72.0	72.1	72.8
59.4	64.1	67.5	69.6	70.2	71.2	72.0	72.3	72.7	73.2	73.3	73.4	73.6	73.7	74.4
61.5	66.5	69.9	72.2	72.9	74.0	74.7	75.1	75.5	75.9	76.0	76.2	76.4	76.5	77.1
63.3	68.4	72.0	74.4	75.1	76.2	77.0	77.3	77.8	78.2	78.3	78.4	78.7	78.7	79.4
65.7	71.1	74.8	77.3	78.1	79.3	80.0	80.3	80.8	81.3	81.4	81.5	81.7	81.8	82.5
67.8	73.4	77.4	80.0	80.8	82.1	82.9	83.3	83.7	84.2	84.3	84.4	84.7	84.7	85.4
69.8	75.7	79.9	82.5	83.4	84.7	85.5	85.9	86.4	86.9	87.0	87.1	87.3	87.4	88.1
70.6	76.6	80.8	83.6	84.3	85.8	86.7	87.0	87.5	88.0	88.1	88.2	88.5	88.5	89.2
71.7	77.9	82.4	85.3	86.2	87.6	88.5	88.8	89.3	89.8	89.9	90.1	90.3	90.4	91.0
72.9	79.5	84.4	87.6	88.6	90.1	91.0	91.4	91.9	92.4	92.5	92.6	92.9	92.9	93.6
73.4	80.2	85.5	88.9	89.9	91.5	92.5	92.9	93.4	93.9	94.1	94.2	94.4	94.5	95.2
73.6	80.6	86.0	89.5	90.6	92.3	93.3	93.7	94.2	94.7	94.8	95.0	95.2	95.3	95.9
73.8	81.0	86.7	90.3	91.5	93.2	94.3	94.7	95.3	95.8	95.9	96.0	96.3	96.3	97.0
74.0	81.3	87.1	90.8	92.1	93.9	95.0	95.5	96.1	96.6	96.7	96.9	97.1	97.2	97.8
74.1	81.4	87.4	91.2	92.5	94.3	95.5	96.0	96.6	97.2	97.3	97.4	97.7	97.7	98.4
74.1	81.5	87.5	91.4	92.8	94.7	96.0	96.4	97.1	97.6	97.8	97.9	98.2	98.2	98.9
74.1	81.6	87.6	91.6	92.9	94.9	96.2	96.6	97.3	97.9	98.0	98.2	98.4	98.5	99.2
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.1	98.2	98.4	98.7	98.7	99.4
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.2	98.3	98.5	98.8	98.9	99.7
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.2	98.3	98.5	98.8	98.9	99.9
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.2	98.3	98.5	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS

12205

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

29.9	33.4	36.5	38.9	40.0	41.5	42.3	42.7	43.4	43.9	44.0	44.3	44.7	44.7	46.0
34.8	39.0	42.6	45.5	46.8	48.5	49.5	49.9	50.6	51.2	51.3	51.6	52.0	52.0	53.4
34.9	39.1	42.6	45.6	46.9	48.6	49.5	50.0	50.7	51.2	51.4	51.7	52.1	52.1	53.5
35.0	39.2	42.7	45.7	47.0	48.7	49.6	50.1	50.8	51.3	51.5	51.8	52.2	52.2	53.6
35.4	39.6	43.2	46.2	47.5	49.2	50.2	50.6	51.3	51.9	52.0	52.3	52.7	52.8	54.1
36.2	40.3	44.2	47.2	48.5	50.3	51.3	51.7	52.4	53.0	53.1	53.4	53.8	53.9	55.2
37.5	42.0	45.7	48.7	50.0	51.9	52.9	53.4	54.1	54.7	54.8	55.1	55.5	55.6	57.0
39.1	43.8	47.8	51.0	52.4	54.3	55.4	55.9	56.7	57.3	57.4	57.7	58.2	58.2	59.6
41.6	46.3	50.7	54.2	55.7	57.8	58.9	59.4	60.3	60.9	61.0	61.3	61.8	61.8	63.2
44.4	49.6	54.1	57.7	59.3	61.5	62.6	63.1	64.1	64.7	64.9	65.2	65.7	65.7	67.1
46.3	51.8	56.6	60.3	62.0	64.2	65.4	65.9	66.9	67.5	67.7	68.0	68.5	68.6	70.0
48.0	53.7	58.7	62.6	64.4	66.7	67.9	68.4	69.4	70.1	70.3	70.7	71.2	71.2	72.7
49.0	54.8	60.0	64.0	65.8	68.1	69.3	69.8	70.8	71.5	71.7	72.1	72.6	72.6	74.1
50.2	56.3	61.6	65.8	67.6	70.0	71.1	71.7	72.8	73.5	73.7	74.0	74.5	74.6	76.0
51.7	58.0	63.4	67.8	69.6	72.0	73.2	73.8	74.9	75.6	75.8	76.1	76.6	76.7	78.1
53.6	60.1	65.6	70.2	72.1	74.5	75.7	76.3	77.4	78.1	78.3	78.6	79.1	79.2	80.6
55.6	62.3	68.0	72.8	74.7	77.2	78.4	79.0	80.0	80.8	81.0	81.3	81.8	81.9	83.3
57.6	64.6	70.7	75.3	77.4	80.1	81.3	81.9	83.0	83.7	83.9	84.2	84.8	84.8	86.3
58.2	65.3	71.5	76.3	78.4	81.1	82.4	83.0	84.1	84.8	85.0	85.3	85.8	85.9	87.4
59.7	66.9	73.4	78.7	80.7	83.3	84.6	85.3	86.4	87.1	87.3	87.6	88.2	88.2	89.7
60.9	68.5	75.4	81.1	83.3	86.2	87.5	88.1	89.2	90.0	90.2	90.5	91.1	91.1	92.6
61.3	69.3	76.3	82.4	84.7	87.7	89.0	89.7	90.9	91.6	91.8	92.1	92.7	92.8	94.2
61.8	69.7	77.1	83.0	85.4	88.4	89.8	90.5	91.7	92.4	92.6	93.0	93.5	93.6	95.1
61.9	70.0	77.6	83.7	86.1	89.2	90.6	91.3	92.6	93.3	93.5	93.9	94.4	94.5	96.0
62.1	70.2	77.9	84.0	86.6	89.8	91.3	92.0	93.3	94.0	94.2	94.6	95.2	95.2	96.7
62.1	70.3	78.0	84.3	87.0	90.3	91.7	92.5	93.8	94.5	94.7	95.1	95.7	95.7	97.2
62.2	70.3	78.1	84.3	87.3	90.6	92.2	93.0	94.3	95.1	95.3	95.6	96.2	96.3	97.8
62.2	70.3	78.1	84.3	87.3	90.8	92.4	93.2	94.6	95.4	95.7	96.0	96.6	96.7	98.2
62.2	70.3	78.1	84.6	87.4	90.9	92.6	93.4	94.8	95.6	96.0	96.4	97.1	97.1	98.7
62.2	70.3	78.1	84.6	87.4	91.0	92.6	93.5	95.0	96.0	96.3	96.7	97.4	97.5	99.0
62.2	70.3	78.1	84.6	87.4	91.0	92.7	93.5	95.1	96.0	96.3	96.8	97.5	97.6	99.6
62.2	70.3	78.1	84.6	87.4	91.0	92.7	93.5	95.1	96.0	96.3	96.8	97.5	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

12442

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

34050 SEBACH AB GERMANY

53-72

ECT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

17.5	20.9	24.7	28.4	30.2	32.1	33.2	33.8	34.9	35.5	35.7	36.0	36.6	36.7	39.1
21.0	24.7	29.1	33.1	35.0	37.2	38.3	39.0	40.2	40.9	41.1	41.4	42.1	42.1	44.7
21.0	24.7	29.1	33.2	35.1	37.2	38.3	39.1	40.2	40.9	41.1	41.4	42.1	42.2	44.7
21.2	25.0	29.4	33.5	35.4	37.5	38.7	39.4	40.5	41.2	41.4	41.7	42.4	42.5	45.0
21.7	25.4	30.0	34.1	36.0	38.3	39.5	40.2	41.3	42.1	42.3	42.6	43.3	43.4	45.9
22.5	26.4	31.1	35.4	37.4	39.7	41.0	41.7	42.9	43.6	43.8	44.1	44.9	44.9	47.5
23.3	27.3	32.2	36.7	38.8	41.2	42.5	43.2	44.4	45.2	45.4	45.7	46.4	46.5	49.1
24.6	28.8	34.0	38.6	40.8	43.3	44.6	45.4	46.6	47.3	47.5	47.9	48.6	48.7	51.3
26.9	31.4	36.9	41.7	44.0	46.6	47.9	48.7	49.9	50.7	50.9	51.3	52.1	52.1	54.8
28.3	33.0	38.8	43.7	46.1	48.7	50.1	50.9	52.1	52.9	53.2	53.5	54.3	54.3	57.0
29.6	34.6	40.5	45.6	48.0	50.9	52.3	53.1	54.4	55.2	55.5	55.8	56.6	56.7	59.4
30.3	35.6	41.7	46.9	49.4	52.4	53.9	54.8	56.1	56.9	57.2	57.5	58.3	58.4	61.1
31.9	37.4	43.7	49.1	51.6	54.7	56.2	57.2	58.5	59.4	59.6	59.9	60.7	60.8	63.5
33.2	39.0	45.4	51.0	53.6	56.9	58.5	59.4	60.8	61.8	62.0	62.4	63.2	63.2	66.0
35.0	41.1	47.9	52.7	56.4	59.9	61.6	62.5	63.9	65.0	65.2	65.6	66.4	66.5	69.2
36.8	43.2	50.3	56.2	59.1	62.8	64.5	65.5	67.0	68.1	68.3	68.7	69.3	69.6	72.4
38.5	45.5	53.0	59.0	62.1	66.0	67.8	68.8	70.3	71.5	71.7	72.1	73.0	73.0	75.8
39.3	46.4	54.0	60.2	63.4	67.4	69.1	70.2	71.7	72.9	73.2	73.6	74.4	74.5	77.3
40.3	47.9	55.9	62.5	65.9	70.1	72.0	73.1	74.6	75.9	76.1	76.5	77.4	77.5	80.3
41.4	49.5	58.1	65.3	69.0	73.4	75.4	76.5	78.2	79.5	79.7	80.2	81.0	81.1	83.9
42.0	50.3	59.4	66.9	70.7	75.4	77.5	78.7	80.4	81.8	82.0	82.4	83.3	83.4	86.2
42.2	50.7	60.0	67.7	71.6	76.4	78.6	79.8	81.5	82.9	83.1	83.6	84.4	84.5	87.3
42.4	51.0	60.7	68.7	72.6	77.9	80.1	81.3	83.1	84.5	84.8	85.2	86.1	86.2	89.0
42.5	51.3	61.2	69.5	73.6	79.0	81.3	82.6	84.4	85.8	86.1	86.6	87.4	87.5	90.3
42.6	51.5	61.5	69.9	74.5	79.9	82.2	83.6	85.5	87.1	87.3	87.8	88.7	88.8	91.6
42.7	51.8	61.8	70.3	74.9	80.5	83.1	84.6	86.7	88.2	88.5	89.0	89.9	90.0	92.9
42.7	51.6	61.8	70.4	75.0	80.8	83.5	85.0	87.3	89.0	89.3	89.9	90.8	90.9	93.9
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.4	87.8	89.6	90.0	90.7	91.7	91.9	95.2
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.5	87.9	90.0	90.5	91.3	92.6	92.7	97.1
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.5	88.0	90.0	90.6	91.4	92.8	93.0	98.6
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.5	88.0	90.0	90.6	91.4	92.8	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS

12313



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

ACN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

9.4	11.1	13.3	15.2	16.2	17.3	18.1	18.3	18.8	19.1	19.1	19.2	19.6	19.6	21.0
11.8	13.9	16.4	18.7	20.0	21.4	22.2	22.5	23.1	23.4	23.5	23.6	24.0	24.0	25.5
11.8	13.9	16.4	18.7	20.1	21.5	22.2	22.5	23.1	23.4	23.5	23.6	24.0	24.1	25.5
11.9	13.9	16.5	18.8	20.1	21.5	22.3	22.6	23.2	23.5	23.6	23.7	24.1	24.1	25.6
11.9	14.1	16.6	18.9	20.3	21.7	22.5	22.8	23.4	23.7	23.8	23.9	24.3	24.3	25.8
12.4	14.6	17.2	19.6	20.9	22.4	23.2	23.5	24.1	24.4	24.5	24.6	25.0	25.0	26.5
13.0	15.2	17.5	20.2	21.6	23.1	23.9	24.3	25.0	25.3	25.4	25.5	25.9	26.0	27.5
13.7	15.9	18.6	21.0	22.5	24.1	25.0	25.3	26.0	26.4	26.5	26.6	27.0	27.1	28.6
15.0	17.4	20.4	23.1	24.6	26.4	27.3	27.8	28.5	29.0	29.1	29.2	29.6	29.7	31.2
16.5	19.1	22.2	25.2	26.9	28.8	29.8	30.3	31.0	31.6	31.7	31.8	32.2	32.3	33.8
17.4	20.2	23.4	26.5	28.3	30.3	31.4	31.9	32.8	33.4	33.5	33.7	34.1	34.2	35.7
18.7	21.6	25.1	28.4	30.3	32.7	33.8	34.4	35.4	36.1	36.2	36.4	36.9	36.9	38.5
19.3	22.3	26.0	29.5	31.6	34.1	35.2	35.9	36.9	37.6	37.7	37.9	38.4	38.4	40.1
20.4	23.6	27.5	31.1	33.4	36.2	37.4	38.1	39.1	39.9	40.1	40.2	40.8	40.8	42.5
21.6	25.0	29.1	33.0	35.3	38.4	39.8	40.5	41.6	42.4	42.5	42.7	43.3	43.3	45.0
23.0	26.8	31.3	35.5	38.2	41.3	42.8	43.5	44.7	45.6	45.8	46.0	46.6	46.6	48.4
25.0	29.2	34.2	38.8	41.8	45.1	46.8	47.5	48.8	49.8	50.0	50.2	50.8	50.9	52.6
27.1	32.1	37.8	42.9	46.2	49.9	51.7	52.6	53.9	55.0	55.2	55.4	56.1	56.1	57.9
27.8	33.1	39.3	44.7	48.2	52.0	53.8	54.7	56.1	57.1	57.4	57.6	58.2	58.3	60.0
29.2	35.1	42.3	48.3	52.0	56.1	58.1	59.0	60.5	61.6	61.9	62.1	62.8	62.8	64.6
30.7	37.3	45.9	52.5	57.1	61.3	64.0	64.9	66.6	67.8	68.1	68.3	69.0	69.1	70.8
31.3	38.6	47.6	55.1	59.7	64.8	67.2	68.3	70.0	71.3	71.6	71.9	72.5	72.6	74.4
31.5	39.0	48.4	56.3	61.2	66.6	69.2	70.3	72.1	73.4	73.7	74.0	74.7	74.8	76.6
31.7	39.4	49.2	57.8	63.2	69.1	72.0	73.2	75.1	76.4	76.8	77.1	77.8	77.8	79.6
31.9	39.8	49.5	58.5	64.6	71.1	74.2	75.4	77.4	78.7	79.3	79.6	80.2	80.3	82.2
32.0	40.1	50.3	59.7	65.9	72.8	76.2	77.3	79.7	81.2	81.7	82.0	82.7	82.8	84.6
32.0	40.2	50.7	60.4	67.0	74.6	78.3	79.5	82.2	84.0	84.6	84.9	85.7	85.8	87.7
32.0	40.2	50.8	60.6	67.6	75.7	79.9	81.7	84.4	86.4	87.0	87.3	88.4	88.5	90.6
32.0	40.2	50.8	60.8	68.0	76.5	81.0	82.9	86.1	88.7	89.4	90.0	91.1	91.2	93.6
32.0	40.2	50.8	60.8	68.1	76.7	81.4	83.4	86.7	89.6	90.5	91.4	92.9	93.0	96.4
32.1	40.2	50.9	60.8	68.1	76.7	81.5	83.3	87.0	89.9	90.9	91.8	93.6	93.8	98.6
32.1	40.2	50.9	60.8	68.1	76.7	81.5	83.3	87.0	90.0	91.0	91.9	93.8	94.0	100.0

TOTAL NUMBER OF OBSERVATIONS

11025

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEIBACH AB GERMANY

53-72

LEO

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

ALL

6.9	8.8	11.1	13.3	14.6	16.0	17.0	17.5	18.0	18.6	18.7	18.9	19.3	19.4	20.0
8.1	10.1	12.8	15.3	16.6	18.2	19.3	19.9	20.4	21.0	21.3	21.5	21.9	22.0	22.7
8.2	10.2	12.9	15.3	16.7	18.3	19.4	20.0	20.5	21.2	21.4	21.6	22.0	22.1	22.8
8.3	10.3	13.0	15.4	16.8	18.4	19.5	20.2	20.7	21.3	21.6	21.8	22.2	22.2	23.0
8.4	10.3	13.2	15.7	17.2	18.8	19.9	20.6	21.1	21.8	22.0	22.2	22.6	22.6	23.4
8.7	10.8	13.6	16.2	17.8	19.3	20.7	21.4	21.9	22.6	22.8	23.0	23.4	23.4	24.2
9.0	11.2	14.1	16.9	18.3	20.3	21.5	22.2	22.8	23.5	23.7	23.9	24.4	24.4	25.2
9.7	12.1	15.1	17.8	19.3	21.4	22.7	23.4	24.0	24.7	24.9	25.1	25.6	25.6	26.4
10.6	13.0	16.2	19.0	20.8	22.8	24.1	24.8	25.5	26.2	26.5	26.7	27.2	27.3	28.1
11.6	14.1	17.4	20.4	22.1	24.2	25.5	26.3	26.9	27.7	28.0	28.2	28.7	28.8	29.6
12.7	15.4	18.7	22.0	23.9	26.0	27.3	28.1	28.8	29.6	29.9	30.1	30.6	30.7	31.5
13.3	16.0	19.5	22.9	24.8	26.9	28.3	29.1	29.9	30.7	30.9	31.2	31.7	31.8	32.7
14.4	17.3	21.1	24.6	26.3	28.8	30.2	31.1	31.8	32.6	32.9	33.2	33.7	33.8	34.7
15.4	18.6	22.3	26.1	28.2	30.6	32.1	32.9	33.7	34.6	34.9	35.2	35.7	35.8	36.7
16.9	20.4	24.3	28.3	30.3	33.0	34.6	35.3	36.4	37.3	37.6	37.9	38.4	38.5	39.4
19.2	23.0	27.4	31.6	33.8	36.3	38.2	39.2	40.1	41.0	41.3	41.6	42.2	42.2	43.1
21.7	26.0	31.1	35.7	38.1	41.0	42.8	43.8	44.8	45.7	46.1	46.4	46.9	47.0	47.9
22.8	27.2	32.6	37.3	39.9	42.9	44.8	45.8	46.8	47.8	48.1	48.4	49.0	49.1	50.0
24.3	29.4	35.4	40.6	43.4	46.8	48.8	49.8	50.9	51.9	52.3	52.6	53.2	53.3	54.2
26.3	32.8	40.0	45.8	49.2	52.9	55.1	56.3	57.5	58.6	59.0	59.4	60.0	60.1	61.0
27.3	34.8	42.8	49.2	53.0	57.1	59.5	60.8	62.2	63.4	63.9	64.2	64.9	64.9	65.9
27.9	35.6	44.1	51.2	55.2	59.7	62.2	63.6	65.1	66.4	66.9	67.2	67.9	68.0	68.9
28.3	36.7	46.1	53.8	58.4	63.3	66.2	67.8	69.4	70.8	71.3	71.7	72.3	72.4	73.4
28.8	37.6	47.3	56.2	61.2	67.0	70.0	71.7	73.6	75.2	75.8	76.2	76.9	76.9	77.9
28.9	38.0	48.3	57.3	63.0	69.3	72.3	74.3	76.6	78.4	79.1	79.6	80.3	80.4	81.4
29.0	38.1	48.8	58.6	64.4	71.4	75.1	77.2	79.7	81.8	82.5	83.1	83.9	84.0	85.2
29.0	38.2	48.9	59.0	65.2	72.8	77.0	79.4	82.3	84.6	85.4	86.1	87.0	87.1	88.3
29.0	38.2	49.0	59.2	65.6	73.7	78.3	81.0	84.3	87.1	88.1	89.1	90.1	90.3	91.8
29.0	38.2	49.0	59.2	65.6	73.9	78.7	81.3	85.2	88.4	89.8	91.0	92.0	92.0	93.3
29.0	38.2	49.0	59.2	65.7	73.9	78.7	81.6	85.3	88.8	90.3	91.7	93.0	94.3	95.3
29.1	38.2	49.1	59.2	65.7	73.9	78.7	81.6	85.4	88.9	90.4	91.8	94.2	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS

12156

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

12.3	13.2	17.9	21.4	22.9	23.8	26.4	26.6	27.4	28.4	28.4	28.5	28.9	29.0	29.7
14.3	17.1	19.6	23.6	25.3	28.4	29.1	29.3	30.1	31.1	31.1	31.3	31.6	31.8	32.4
14.3	17.1	19.6	23.6	25.3	28.4	29.1	29.3	30.1	31.1	31.1	31.3	31.6	31.8	32.4
14.3	17.1	19.7	23.7	25.4	28.5	29.2	29.4	30.3	31.3	31.3	31.4	31.8	31.9	32.5
14.6	17.3	20.0	23.9	25.7	28.7	29.5	29.7	30.5	31.5	31.5	31.8	32.1	32.3	32.9
14.6	17.7	20.4	24.4	26.1	29.2	30.0	30.2	31.0	32.0	32.0	32.3	32.6	32.8	33.4
15.6	18.7	21.4	25.5	27.2	30.3	31.1	31.4	32.3	33.3	33.3	33.5	33.8	34.0	34.6
16.6	19.9	22.6	27.0	29.0	32.1	32.9	33.2	34.1	35.1	35.1	35.3	35.6	35.8	36.4
17.5	20.9	24.1	28.7	30.8	34.0	34.8	35.1	36.1	37.1	37.1	37.3	37.6	37.8	38.4
18.4	21.9	25.7	29.7	31.9	35.1	36.0	36.3	37.2	38.2	38.2	38.4	38.8	38.9	39.6
19.5	23.1	26.7	31.3	33.4	36.8	37.8	38.3	39.2	40.3	40.3	40.5	40.9	41.0	41.6
19.9	23.3	27.2	31.8	34.1	37.5	38.5	38.9	39.9	40.9	40.9	41.1	41.5	41.6	42.3
20.1	23.9	27.6	32.5	34.9	38.4	39.4	39.9	40.9	42.0	42.0	42.2	42.6	42.7	43.4
21.3	25.3	29.2	34.3	36.6	40.4	41.4	41.9	42.9	44.0	44.0	44.2	44.6	44.7	45.4
22.8	26.9	31.4	36.7	39.4	43.4	44.6	45.1	46.1	47.2	47.2	47.5	47.9	48.0	48.7
24.2	28.5	33.3	39.0	41.9	45.9	47.2	47.7	48.7	49.7	49.7	50.0	50.5	50.6	51.3
26.1	30.7	36.3	42.5	45.9	50.4	51.8	52.3	53.3	54.3	54.3	54.6	55.1	55.2	55.8
27.2	32.2	37.8	44.2	47.6	52.2	53.5	54.1	55.1	56.1	56.1	56.4	56.8	57.0	57.6
28.7	34.1	40.1	47.0	50.8	55.5	56.9	57.4	58.4	59.6	59.6	59.9	60.4	60.5	61.1
30.5	36.5	43.5	50.9	54.8	60.2	61.7	62.3	63.3	64.6	64.6	65.0	65.5	65.7	66.3
31.0	37.7	45.6	53.8	57.8	63.8	65.7	66.3	67.3	68.7	68.7	69.1	69.6	69.7	70.4
31.8	38.6	47.7	56.6	61.0	67.2	69.1	69.7	70.8	72.3	72.3	72.7	73.2	73.3	74.0
32.1	39.4	49.7	59.9	64.4	71.0	73.0	73.8	75.1	76.6	76.6	77.0	77.5	77.6	78.3
32.4	39.9	51.2	61.6	66.3	73.5	76.0	76.7	78.0	79.6	79.6	80.0	80.5	80.6	81.3
32.5	40.1	51.8	62.5	67.7	75.4	78.3	79.0	80.4	82.3	82.4	82.9	83.4	83.5	84.2
32.7	40.4	52.5	63.7	69.2	77.4	80.7	81.4	82.9	84.9	85.2	85.7	86.2	86.3	87.1
32.7	40.6	52.8	64.3	70.6	79.5	83.1	84.2	86.0	88.5	88.7	89.4	89.9	90.1	90.8
32.7	40.6	52.8	64.4	70.8	80.1	84.3	85.7	88.2	91.3	91.7	92.8	93.7	93.9	94.6
32.7	40.6	52.8	64.4	70.8	80.1	84.4	85.9	89.1	92.4	92.9	94.2	95.7	95.9	97.6
32.7	40.6	52.8	64.4	70.8	80.1	84.4	86.0	89.2	92.5	93.1	94.5	96.1	96.3	99.1
32.7	40.6	52.8	64.4	70.8	80.1	84.4	86.0	89.2	92.5	93.1	94.6	96.2	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1395

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SENBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-0900

12.3	14.9	17.3	19.9	21.9	24.3	25.4	25.6	26.9	27.3	27.3	27.5	27.7	27.8	28.4
13.4	16.2	18.6	21.2	23.3	25.8	26.9	27.2	28.5	28.9	28.9	29.1	29.3	29.3	30.0
13.4	16.2	18.7	21.3	23.4	25.9	26.9	27.3	28.6	29.0	29.0	29.1	29.3	29.4	30.0
13.4	16.2	18.8	21.5	23.5	26.0	27.1	27.4	28.9	29.3	29.3	29.4	29.6	29.7	30.3
13.8	16.6	19.1	21.8	23.9	26.4	27.4	27.8	29.2	29.6	29.6	29.7	30.0	30.0	30.6
14.0	16.8	19.4	22.1	24.2	26.9	28.0	28.4	29.8	30.2	30.2	30.4	30.6	30.6	31.3
14.7	17.7	20.3	23.0	25.1	27.8	28.9	29.3	30.8	31.2	31.2	31.3	31.5	31.6	32.2
15.6	18.7	21.5	24.4	26.5	29.6	30.7	31.0	32.6	33.1	33.1	33.2	33.4	33.5	34.1
16.4	19.7	22.8	25.9	28.2	31.3	32.4	32.8	34.3	34.8	34.8	35.0	35.2	35.2	35.8
17.7	21.0	24.3	27.5	29.9	33.0	34.1	34.5	36.0	36.5	36.5	36.7	36.9	36.9	37.6
18.1	21.6	25.1	28.4	30.9	34.5	35.6	36.2	37.7	38.2	38.2	38.4	38.6	38.7	39.3
18.4	21.9	25.4	28.8	31.3	34.9	36.2	36.6	38.1	38.7	38.7	38.8	39.0	39.1	39.7
19.5	23.0	26.5	29.9	32.6	36.2	37.5	37.9	39.4	40.0	40.0	40.1	40.3	40.4	41.0
20.7	24.3	28.7	32.2	33.0	38.7	40.0	40.4	41.9	42.4	42.4	42.6	42.8	42.8	43.5
21.8	25.9	30.5	34.2	37.1	40.9	42.3	42.7	44.2	44.8	44.8	44.9	45.1	45.2	45.8
23.6	27.9	32.6	36.6	39.5	43.5	45.0	45.4	46.9	47.5	47.5	47.6	47.9	48.0	48.6
26.5	31.5	36.7	40.9	44.0	48.4	49.8	50.3	51.9	52.4	52.4	52.6	53.0	53.1	53.7
27.4	32.7	38.2	42.6	45.8	50.4	51.8	52.3	53.9	54.4	54.4	54.6	55.0	55.0	55.7
29.2	34.9	40.7	45.6	48.9	53.9	55.5	56.1	57.7	58.2	58.3	58.4	58.8	58.9	59.5
30.6	36.9	43.7	48.5	53.1	58.7	60.4	61.0	62.7	63.2	63.3	63.5	63.9	64.0	64.6
31.3	38.0	45.6	52.1	56.1	62.1	63.9	64.7	66.4	67.1	67.2	67.3	67.9	67.9	68.5
31.8	38.7	47.4	54.3	58.6	64.8	66.7	67.5	69.4	70.1	70.3	70.5	71.0	71.1	71.7
32.3	40.0	49.6	57.2	61.7	68.1	70.3	71.3	73.8	74.8	74.8	75.1	75.6	75.7	76.3
32.9	41.0	51.1	59.3	64.0	70.9	73.5	74.5	77.1	78.1	78.3	78.5	79.1	79.2	79.8
33.1	41.4	51.8	60.2	65.3	72.7	75.7	76.7	79.6	80.7	80.8	81.1	81.6	81.7	82.4
33.3	41.7	52.3	60.9	66.3	74.4	77.6	79.0	82.1	83.6	83.7	84.0	84.5	84.6	85.3
33.3	41.7	52.4	61.3	67.2	76.1	79.6	81.4	84.9	86.4	86.6	87.0	87.5	87.6	88.3
33.4	41.8	52.6	61.6	67.9	77.2	81.1	83.0	87.0	88.4	88.7	89.2	89.9	91.1	92.0
33.4	41.8	52.6	61.6	68.1	77.7	82.2	84.4	88.6	91.2	91.7	92.5	94.6	94.8	96.1
33.4	41.8	52.6	61.6	68.1	77.7	82.2	84.4	88.6	91.4	91.9	92.8	95.2	95.5	98.5
33.4	41.8	52.6	61.6	68.1	77.7	82.2	84.4	88.6	91.4	91.9	92.8	95.2	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS

1459

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

8.8	11.2	13.9	16.3	17.7	19.5	20.4	21.2	21.9	22.6	22.7	22.9	23.1	23.2	23.7
9.5	12.0	14.8	17.3	18.7	20.5	21.4	22.2	23.1	23.8	23.9	24.2	24.4	24.4	25.0
9.5	12.0	14.8	17.3	18.7	20.6	21.5	22.3	23.1	23.8	24.0	24.3	24.4	24.5	25.0
9.5	12.0	14.8	17.3	18.7	20.6	21.5	22.3	23.1	23.8	24.0	24.3	24.4	24.5	25.0
9.5	12.0	14.8	17.3	18.7	20.6	21.5	22.3	23.1	23.8	24.0	24.3	24.4	24.5	25.0
9.9	12.4	15.2	17.8	19.2	21.1	22.0	22.8	23.6	24.3	24.5	24.8	25.0	25.0	25.5
10.4	13.0	15.8	18.4	19.8	21.7	23.1	23.9	24.8	25.5	25.6	25.9	26.1	26.1	26.7
10.9	13.6	16.5	19.2	20.6	23.1	24.2	25.1	25.9	26.6	26.8	27.0	27.2	27.3	27.9
11.8	14.7	18.0	20.8	22.2	24.8	25.9	26.8	27.6	28.4	28.5	28.8	29.0	29.0	29.6
12.3	15.3	19.0	22.2	23.7	26.3	27.5	28.5	29.3	30.1	30.4	30.7	30.9	30.9	31.5
13.5	16.7	20.6	23.9	25.3	28.0	29.2	30.4	31.2	32.1	32.5	32.7	32.9	33.0	33.5
14.1	17.3	21.4	24.7	26.3	29.0	30.3	31.6	32.4	33.3	33.8	34.0	34.2	34.3	34.8
14.4	17.8	21.8	25.1	26.7	29.4	30.7	31.9	32.8	33.6	34.2	34.4	34.6	34.7	35.2
15.4	19.0	23.1	26.6	28.2	31.0	32.3	33.6	34.4	35.3	35.8	36.0	36.2	36.3	36.9
16.8	20.4	24.8	28.4	30.0	32.8	34.2	35.5	36.3	37.2	37.7	37.9	38.1	38.2	38.8
18.1	22.2	27.0	30.7	32.8	35.6	36.9	38.2	39.1	40.0	40.6	40.8	41.0	41.1	41.7
19.9	24.3	29.4	33.3	35.2	38.4	39.7	41.0	41.9	42.8	43.4	43.6	43.8	43.9	44.4
22.4	27.8	33.6	37.9	39.8	43.3	45.1	46.3	47.4	48.3	48.8	49.1	49.3	49.3	49.9
23.3	29.0	34.9	39.4	41.3	45.2	46.8	48.3	49.1	50.1	50.7	50.9	51.1	51.2	51.7
25.3	31.4	37.9	43.0	45.2	49.3	51.4	52.8	53.7	54.7	55.3	55.6	55.8	55.9	56.5
27.7	34.3	42.0	48.0	50.6	53.4	57.4	59.0	60.2	61.1	61.8	62.0	62.3	62.3	62.9
28.7	36.4	44.7	51.4	54.4	57.7	61.9	63.6	64.8	65.8	66.5	66.8	67.0	67.1	67.7
29.0	36.7	46.1	53.3	56.9	62.8	65.2	66.8	68.1	69.3	69.9	70.2	70.4	70.5	71.1
29.3	37.5	47.8	55.7	59.6	63.7	68.4	70.2	71.6	72.8	73.3	73.8	74.0	74.1	74.7
30.1	38.2	49.0	57.3	61.7	65.2	71.0	73.0	74.3	75.9	76.7	76.9	77.3	77.4	77.9
30.2	38.7	49.7	58.4	62.9	65.8	72.8	74.7	76.6	78.3	79.1	79.3	79.7	79.8	80.3
30.3	38.8	50.1	59.2	64.0	71.2	74.8	77.0	79.1	81.2	82.0	82.4	82.8	82.9	83.4
30.3	38.8	50.3	59.7	64.7	73.4	76.4	79.0	81.3	83.7	84.8	85.1	85.6	85.6	86.2
30.3	38.9	50.4	60.1	65.4	73.5	78.2	81.3	84.4	87.3	88.9	89.3	90.0	90.1	91.0
30.3	38.9	50.5	60.1	65.5	74.0	78.9	82.4	85.8	89.2	91.4	92.6	92.8	94.1	95.4
30.3	38.9	50.5	60.1	65.5	74.0	78.9	82.4	85.9	89.6	91.9	93.1	94.7	95.1	96.3
30.3	38.9	50.5	60.1	65.5	74.0	78.9	82.4	85.9	89.6	91.9	93.1	94.7	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1587



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

7.0	9.6	11.7	13.8	14.0	15.7	16.6	17.5	18.3	18.6	18.6	18.6	18.8	18.8	19.0
10.4	12.8	13.7	18.0	18.6	20.5	21.7	23.0	23.8	24.3	24.4	24.5	24.6	24.6	24.8
10.5	12.9	13.8	18.1	18.6	20.6	21.8	23.0	23.9	24.3	24.5	24.5	24.7	24.7	24.9
10.5	13.0	13.9	18.2	18.8	20.7	21.9	23.2	24.0	24.5	24.6	24.7	24.8	24.8	25.0
10.8	13.2	13.1	18.3	19.1	21.0	22.2	23.5	24.4	24.6	25.0	25.0	25.2	25.2	25.4
11.2	13.6	13.6	19.0	19.6	21.6	22.8	24.1	25.0	25.4	25.5	25.6	25.7	25.7	26.0
11.8	14.3	17.3	19.8	20.3	22.3	23.6	25.0	25.9	26.3	26.5	26.5	26.7	26.7	26.9
12.5	15.1	18.1	20.8	21.5	23.6	24.8	26.2	27.2	27.6	27.8	27.8	28.0	28.0	28.2
13.4	16.2	19.3	22.2	22.9	25.1	26.3	27.8	28.8	29.2	29.5	29.5	29.7	29.7	29.9
14.1	17.1	20.6	23.3	24.0	26.2	27.6	29.1	30.0	30.3	30.9	30.9	31.0	31.0	31.4
14.8	17.6	21.2	24.1	24.8	27.1	28.6	30.2	31.2	31.7	32.0	32.0	32.2	32.2	32.3
15.3	18.5	22.2	25.2	25.9	28.4	29.9	31.6	32.6	33.2	33.7	33.7	33.9	33.9	34.2
15.6	18.8	22.5	25.5	26.5	29.4	31.0	32.7	33.8	34.4	34.9	34.9	35.0	35.0	35.4
16.4	20.0	24.2	27.3	28.3	31.0	32.6	34.3	35.3	36.2	36.6	36.8	36.9	36.9	37.3
17.3	21.0	25.3	28.8	29.9	32.7	34.4	36.0	37.3	38.0	38.4	38.6	38.7	38.7	39.1
19.1	23.2	28.0	31.7	32.9	36.1	38.0	39.7	41.1	41.9	42.4	42.6	42.7	42.7	43.1
20.7	25.4	30.4	34.3	35.5	39.1	41.2	42.9	44.4	45.2	45.7	45.9	46.0	46.0	46.4
23.7	29.3	33.3	39.9	41.7	43.4	47.7	49.4	50.9	51.8	52.3	52.6	52.7	52.7	53.1
24.8	30.8	37.1	41.7	43.7	47.4	49.8	51.3	53.1	54.1	54.5	54.8	54.8	54.9	55.3
26.9	33.3	40.4	45.6	47.7	51.6	54.2	56.1	57.8	59.0	59.4	59.8	59.9	59.9	60.3
30.4	37.4	44.8	50.7	53.3	57.6	60.4	62.3	64.3	65.9	66.1	66.3	66.6	66.6	67.0
31.8	39.4	47.4	54.0	56.8	61.3	64.6	66.5	68.9	70.4	70.8	71.2	71.4	71.4	71.8
32.2	40.2	48.4	55.2	58.3	63.3	66.3	68.3	71.0	72.3	73.0	73.3	73.3	73.3	74.0
33.0	41.6	50.7	57.9	61.3	66.8	70.3	72.3	75.3	76.8	77.3	77.7	78.0	78.0	78.4
33.2	42.0	51.6	59.7	63.4	69.1	72.8	75.0	78.2	79.8	80.4	80.7	81.0	81.0	81.4
33.4	42.4	52.4	61.1	65.3	71.2	75.3	77.9	81.4	83.4	84.2	84.7	84.9	84.9	85.4
33.4	42.9	53.1	62.8	66.8	73.2	77.7	80.4	84.2	86.4	87.3	87.8	88.3	88.3	89.0
33.4	42.9	53.4	63.0	67.3	74.3	79.2	82.3	86.7	89.3	90.3	91.3	92.2	92.2	92.9
33.4	42.9	53.4	63.0	67.6	74.3	79.7	82.9	87.3	90.9	92.4	93.8	95.0	95.1	95.9
33.4	42.9	53.4	63.0	67.6	74.7	80.1	83.3	88.2	91.9	93.6	94.9	96.9	97.2	98.3
33.4	42.9	53.4	63.0	67.6	74.7	80.2	83.6	88.3	92.1	93.7	95.2	97.7	98.0	99.4
33.4	42.9	53.4	63.0	67.6	74.7	80.2	83.6	88.3	92.1	93.8	95.2	97.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1398

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

84-72

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-1700

9.4	12.2	14.0	16.5	17.5	18.9	19.5	20.4	20.8	21.1	21.1	21.2	21.3	21.3	21.3
12.7	16.5	18.8	22.1	23.5	25.1	25.9	27.0	27.6	28.1	28.2	28.3	28.6	28.6	28.7
12.7	16.6	18.9	22.2	23.6	25.2	26.1	27.1	27.8	28.2	28.3	28.4	28.7	28.7	28.8
13.0	16.9	19.2	22.5	23.9	25.5	26.4	27.5	28.1	28.6	28.7	28.8	29.1	29.1	29.2
13.7	17.7	20.0	23.3	24.7	26.4	27.3	28.4	29.1	29.5	29.6	29.8	30.0	30.0	30.1
14.3	18.7	21.0	24.3	25.8	27.4	28.4	29.6	30.3	30.8	30.9	31.0	31.3	31.3	31.3
15.2	19.3	22.1	25.6	27.0	28.8	29.8	31.0	31.7	32.1	32.3	32.4	32.7	32.7	32.9
15.7	20.1	23.1	26.6	28.1	30.1	31.3	32.5	33.3	33.8	33.9	34.1	34.5	34.5	34.6
16.9	21.4	24.6	28.1	29.6	31.6	32.8	34.0	34.9	35.4	35.5	35.8	36.2	36.2	36.3
17.9	22.3	25.8	29.8	31.3	33.3	34.6	35.8	36.8	37.3	37.4	37.7	38.0	38.0	38.2
19.0	23.6	27.1	31.0	32.5	34.6	35.9	37.2	38.2	38.7	39.0	39.3	39.7	39.7	39.8
19.3	24.1	27.8	31.6	33.1	35.2	36.5	38.0	39.0	39.5	39.8	40.1	40.5	40.5	40.7
20.4	25.3	28.9	33.0	34.5	36.7	38.0	39.7	40.9	41.4	41.7	42.0	42.5	42.5	42.7
22.0	26.9	30.6	34.9	36.4	38.5	40.1	41.7	42.9	43.6	43.9	44.2	44.7	44.7	44.9
24.7	29.9	34.0	38.5	40.4	42.7	44.2	45.9	47.2	48.0	48.2	48.6	49.2	49.2	49.4
26.8	32.3	36.7	41.2	43.2	45.6	47.2	49.0	50.3	51.1	51.3	51.7	52.3	52.3	52.5
29.3	36.0	40.7	45.7	47.7	50.6	52.4	54.3	55.8	56.6	56.8	57.2	57.8	57.8	58.0
30.4	37.3	42.3	47.7	49.8	52.8	54.6	56.6	58.1	59.0	59.2	59.6	60.2	60.2	60.4
32.0	39.7	45.7	51.6	54.1	57.4	59.3	61.4	62.9	64.1	64.4	64.8	65.4	65.4	65.6
34.3	42.6	49.4	55.8	58.4	62.1	64.1	66.2	67.9	69.4	69.7	70.1	70.7	70.7	70.9
35.4	44.0	51.3	58.3	61.3	65.4	67.7	70.1	72.1	73.7	74.0	74.4	75.0	75.0	75.3
36.1	44.9	52.3	59.5	62.6	66.9	69.3	71.9	74.1	75.8	76.1	76.5	77.1	77.1	77.4
36.3	45.9	53.5	60.9	64.1	69.0	71.6	74.4	76.9	79.1	79.6	80.0	80.7	80.7	81.0
36.8	46.3	54.3	62.2	65.6	70.9	73.0	76.5	79.4	81.8	82.3	82.7	83.4	83.4	83.6
37.1	47.1	55.2	63.3	67.2	72.6	76.2	79.6	82.7	85.5	86.0	86.5	87.2	87.2	87.5
37.2	47.2	55.6	64.2	68.4	74.2	78.1	81.7	85.2	88.3	89.2	89.9	90.7	90.7	91.0
37.2	47.2	55.7	64.5	68.9	74.8	79.3	83.2	87.1	90.5	91.4	92.2	93.4	93.4	93.7
37.2	47.2	55.8	64.5	69.0	75.3	79.9	83.8	88.0	92.1	93.2	94.1	95.9	95.9	96.5
37.2	47.2	55.8	64.5	69.0	75.4	80.1	84.3	88.8	93.2	94.4	95.8	98.2	98.4	99.4
37.2	47.2	55.8	64.5	69.0	75.4	80.1	84.3	88.8	93.4	94.5	96.0	98.5	98.7	100.0
37.2	47.2	55.8	64.5	69.0	75.4	80.1	84.3	88.8	93.4	94.5	96.0	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1596





DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34059 SEMBACH AB GERMANY

54-68

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2100-2300

12.1	14.6	17.1	20.4	22.2	25.0	26.1	26.7	27.4	27.7	27.8	27.9	28.0	28.0	28.2
13.4	16.1	18.8	22.9	24.8	27.8	29.0	29.6	30.3	30.5	30.7	30.8	30.9	30.9	31.1
13.4	16.1	18.8	22.9	24.8	27.8	29.0	29.6	30.3	30.5	30.7	30.8	30.9	30.9	31.1
13.4	16.1	18.8	22.9	24.8	27.8	29.0	29.6	30.3	30.5	30.7	30.8	30.9	30.9	31.1
13.8	16.5	19.2	23.3	25.4	28.5	29.7	30.3	31.0	31.3	31.4	31.5	31.6	31.6	31.8
14.2	16.8	19.6	23.8	25.9	29.1	30.3	30.9	31.5	31.8	32.0	32.0	32.2	32.2	32.4
14.6	17.3	20.1	24.7	26.8	30.0	31.2	31.8	32.5	32.8	32.9	33.0	33.1	33.1	33.3
15.4	18.1	21.1	25.9	28.3	31.8	33.0	33.6	34.3	34.6	34.7	34.8	34.9	34.9	35.1
16.3	19.1	22.3	27.2	29.6	33.3	34.5	35.1	35.8	36.1	36.2	36.3	36.4	36.4	36.6
17.3	20.2	23.4	28.4	30.9	34.6	35.8	36.6	37.3	37.6	37.8	37.8	38.0	38.0	38.2
18.0	21.2	24.4	29.6	32.5	36.5	37.9	38.8	39.6	39.9	40.0	40.1	40.2	40.2	40.4
18.5	21.9	25.2	30.4	33.5	37.6	39.0	39.9	40.6	40.9	41.1	41.1	41.3	41.3	41.5
19.5	22.9	26.7	32.2	35.4	39.5	41.1	41.9	42.8	43.1	43.2	43.3	43.4	43.4	43.7
20.9	24.9	28.7	34.2	37.4	41.5	43.1	43.9	44.9	45.2	45.4	45.4	45.6	45.6	45.8
21.9	26.1	30.6	36.7	39.9	44.0	45.7	46.5	47.5	47.9	48.1	48.2	48.4	48.4	48.7
24.2	29.0	34.1	40.6	44.0	48.2	50.0	51.0	52.0	52.3	52.7	52.8	53.0	53.0	53.3
26.2	31.8	37.3	44.4	48.4	52.8	54.6	55.5	56.6	57.1	57.3	57.4	57.6	57.6	57.8
26.8	32.7	38.4	45.8	50.0	54.7	56.5	57.4	58.5	59.0	59.2	59.4	59.5	59.5	59.8
27.7	34.3	40.5	49.0	53.4	58.4	60.2	61.2	62.4	62.9	63.1	63.2	63.4	63.4	63.7
29.2	36.2	43.3	52.5	57.3	62.4	64.3	65.4	66.6	67.2	67.5	67.6	67.7	67.7	68.0
30.5	38.2	46.0	56.2	61.5	67.0	69.0	70.1	71.4	72.0	72.3	72.5	72.6	72.6	72.9
30.9	39.2	47.4	57.8	63.7	69.5	71.9	73.0	74.3	75.1	75.3	75.5	75.6	75.6	75.9
31.2	40.0	49.0	59.8	66.1	72.5	75.3	76.4	78.0	78.8	79.1	79.2	79.4	79.4	79.6
31.6	40.9	50.3	61.4	68.2	75.1	78.0	79.4	81.1	81.9	82.2	82.4	82.5	82.5	82.8
31.6	41.1	50.7	62.0	69.0	76.3	79.6	81.1	83.0	84.1	84.4	84.5	84.7	84.7	84.9
31.6	41.2	51.4	62.9	70.9	78.9	82.3	84.0	86.2	87.3	87.8	88.0	88.2	88.2	88.5
31.6	41.2	51.4	62.9	71.3	79.6	83.9	85.7	88.5	90.1	90.5	90.8	91.2	91.2	91.5
31.6	41.2	51.5	63.1	71.5	80.1	84.8	87.0	90.3	92.4	93.1	93.8	94.6	94.6	95.1
31.6	41.2	51.5	63.1	71.7	80.4	85.2	87.5	90.8	93.5	94.6	95.4	96.6	96.6	97.6
31.6	41.2	51.5	63.1	71.7	80.4	85.2	87.5	90.8	93.5	94.8	96.0	97.5	97.6	99.4
31.6	41.2	51.5	63.1	71.7	80.4	85.2	87.5	90.8	93.5	94.8	96.1	97.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1399

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

	14.0	15.7	18.3	22.2	24.8	28.4	29.7	30.3	32.0	33.4	33.5	33.8	33.8	33.9	34.5
	16.2	18.5	21.9	26.0	28.6	32.5	33.8	34.4	36.1	37.5	37.6	37.8	37.9	38.0	38.6
	16.2	18.5	21.9	26.0	28.6	32.5	33.8	34.4	36.1	37.5	37.6	37.8	37.9	38.0	38.6
	16.3	18.6	22.0	26.0	28.7	32.6	33.9	34.5	36.2	37.6	37.7	37.9	38.0	38.1	38.6
	16.4	18.6	22.2	26.4	29.0	32.9	34.2	34.8	36.5	37.9	38.0	38.2	38.3	38.4	38.9
	16.8	19.2	22.6	26.8	29.5	33.4	34.8	35.3	37.1	38.5	38.6	38.8	38.9	38.9	39.5
	17.5	19.7	23.3	27.5	30.3	34.2	35.6	36.1	37.8	39.3	39.3	39.6	39.7	39.7	40.3
	17.9	20.4	23.9	28.3	31.2	35.6	37.0	37.6	39.4	41.0	41.1	41.2	41.4	41.5	42.0
	18.8	21.6	25.6	30.0	32.9	37.3	39.5	40.2	42.1	43.7	43.7	44.0	44.1	44.1	44.7
	20.5	23.5	27.9	32.9	36.0	40.6	42.8	43.6	45.3	47.0	47.1	47.4	47.4	47.5	48.1
	22.0	25.3	29.8	35.2	38.4	43.4	45.6	46.3	48.2	49.8	49.9	50.1	50.2	50.3	50.8
	22.7	26.2	31.0	36.7	40.1	45.1	47.3	48.1	50.0	51.5	51.6	51.8	51.9	52.0	52.6
	23.4	27.0	32.3	38.1	41.8	46.5	48.7	49.6	51.6	53.2	53.3	53.6	53.7	53.7	54.3
	24.0	27.6	33.0	39.2	42.6	47.8	50.1	50.9	52.9	54.4	54.6	54.9	55.1	55.2	55.7
	25.5	29.1	34.5	41.6	45.3	50.4	52.8	53.6	55.6	57.2	57.4	57.7	57.9	58.0	58.5
	27.0	31.2	37.5	44.8	48.8	53.7	56.2	57.0	59.1	60.7	60.9	61.4	61.5	61.6	62.2
	28.1	32.7	39.8	47.8	51.5	56.9	59.4	60.2	62.3	64.0	64.2	64.7	64.8	64.9	65.5
	29.4	34.5	41.8	51.0	54.6	60.5	63.1	63.9	66.0	67.7	67.9	68.4	68.5	68.6	69.2
	29.7	34.9	42.3	51.8	55.7	61.6	64.3	65.1	67.2	68.9	69.1	69.6	69.8	69.9	70.4
	30.7	36.4	44.6	54.4	58.5	64.9	67.8	68.7	70.9	72.6	72.8	73.3	73.5	73.6	74.1
	31.9	38.6	47.6	57.9	62.5	69.0	72.2	73.1	75.3	77.3	77.4	78.0	78.1	78.2	78.8
	32.8	39.8	49.2	59.8	64.7	71.8	75.1	76.0	78.4	80.3	80.5	81.1	81.2	81.4	81.9
	33.1	40.5	50.1	61.2	66.2	73.6	76.8	77.7	80.3	82.1	82.3	83.0	83.2	83.2	83.9
	33.3	41.2	51.4	62.8	67.7	75.7	79.2	80.4	82.9	84.8	85.0	85.7	85.8	85.9	86.6
	33.7	41.8	52.2	64.1	69.8	77.9	81.6	82.7	85.4	87.3	87.5	88.2	88.4	88.5	89.2
	33.7	41.8	52.4	64.3	69.7	78.4	82.1	83.2	86.0	88.0	88.3	89.0	89.2	89.3	90.0
	33.7	42.1	52.7	64.9	70.3	79.2	83.2	84.3	87.1	89.2	89.4	91.1	91.3	91.4	92.1
	33.7	42.1	53.1	65.3	71.4	81.4	85.8	87.1	90.6	93.1	93.3	94.0	94.3	94.3	95.0
	33.7	42.1	53.1	65.3	71.4	81.7	86.2	87.6	91.3	93.9	94.2	94.9	95.1	95.2	95.9
	33.7	42.1	53.1	65.6	71.6	81.8	86.4	87.8	91.8	94.5	94.8	95.5	95.8	96.1	97.6
	33.7	42.1	53.1	65.6	71.6	81.8	86.4	87.8	91.9	94.7	95.2	95.9	96.2	96.4	98.9
	33.7	42.1	53.1	65.6	71.6	81.8	86.4	87.8	91.9	94.9	95.4	96.1	96.8	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1271

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

5472

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-0900

12.3	14.8	17.6	20.9	23.6	27.4	28.5	28.9	30.8	31.8	32.2	32.7	32.9	33.0	34.0
13.6	16.5	19.5	22.0	25.9	29.9	30.9	31.4	33.3	34.2	34.8	35.2	35.5	35.5	36.5
13.6	16.6	19.6	23.1	26.0	30.0	31.0	31.5	33.4	34.4	34.9	35.3	35.5	35.6	36.6
13.6	16.6	19.7	23.2	26.1	30.0	31.1	31.6	33.4	34.2	34.9	35.4	35.6	35.7	36.7
13.7	16.9	19.9	23.4	26.3	30.3	31.3	31.8	33.7	34.7	35.2	35.6	35.8	35.9	36.9
14.0	17.2	20.2	23.9	26.7	30.7	31.8	32.2	34.1	35.2	35.6	36.1	36.2	36.4	37.3
14.2	17.3	20.4	24.1	27.0	31.1	32.2	32.7	34.6	35.6	36.1	36.5	36.7	36.8	37.8
14.5	17.6	20.9	24.8	27.9	32.2	33.4	34.0	35.8	36.9	37.3	38.0	38.2	38.3	39.3
16.1	19.3	22.7	26.6	29.7	34.1	35.7	36.4	38.4	39.5	40.1	40.6	40.8	40.9	41.9
17.4	20.6	24.5	28.5	32.0	36.6	38.3	39.3	41.5	42.5	43.1	43.8	44.0	44.1	45.0
18.0	21.5	25.7	30.0	33.7	38.4	40.1	41.1	43.3	44.4	45.0	45.6	45.8	45.9	46.8
18.8	22.3	26.7	31.3	34.9	39.7	41.4	42.4	44.6	45.6	46.2	46.8	47.1	47.1	48.1
19.7	23.4	27.4	32.8	36.3	41.3	43.0	44.1	46.2	47.4	48.0	48.6	48.9	48.9	49.9
20.9	24.6	29.4	34.8	38.2	43.1	44.8	45.9	48.0	49.2	49.8	50.5	50.7	50.8	51.7
22.3	26.1	32.0	37.2	41.3	46.3	48.2	49.2	51.4	52.6	53.3	53.9	54.1	54.2	55.2
23.6	27.7	34.2	40.0	44.1	49.2	51.0	52.0	54.4	55.6	56.4	57.0	57.2	57.3	58.3
24.9	29.3	36.5	42.3	46.8	52.1	53.9	55.0	57.3	58.5	59.6	60.3	60.5	60.6	61.6
27.4	32.8	40.6	47.2	51.7	57.3	59.2	60.2	62.7	64.2	64.9	65.6	65.8	65.9	66.9
28.4	34.0	42.0	48.9	53.3	59.3	61.3	62.3	64.8	66.3	67.0	67.7	67.9	68.0	69.0
29.6	35.8	44.2	51.6	56.3	62.7	64.8	66.2	68.7	70.1	70.9	71.5	71.8	71.8	72.8
30.3	37.3	46.8	54.2	59.3	65.9	68.4	69.8	72.6	74.0	75.0	75.7	75.9	76.0	77.0
31.3	38.6	48.6	56.9	62.3	69.3	72.3	73.8	76.7	78.3	79.3	80.0	80.2	80.3	81.3
31.9	39.1	49.2	58.2	64.1	71.3	74.6	76.1	79.3	80.9	81.9	82.3	82.8	82.8	83.8
32.6	40.0	50.7	60.2	66.2	74.0	76.9	78.3	81.9	83.7	84.6	85.3	85.3	85.6	86.6
32.8	40.2	51.0	60.3	66.8	74.3	77.3	79.4	83.0	84.8	85.8	86.4	86.7	86.7	87.7
32.8	40.3	51.4	61.4	67.8	75.9	79.3	81.0	84.6	86.3	87.6	88.3	88.3	88.6	89.3
32.8	40.4	51.5	61.7	68.4	77.0	80.6	82.6	86.4	88.6	89.6	90.4	90.6	90.7	91.6
32.9	40.5	51.7	62.0	69.3	78.4	82.4	84.4	88.3	90.7	92.0	92.8	93.1	93.1	94.1
32.9	40.6	51.9	62.4	69.8	79.4	83.6	86.0	90.1	92.7	94.0	94.8	95.2	95.3	96.3
32.9	40.6	51.9	62.4	69.8	79.4	83.8	86.2	90.4	93.4	94.7	95.3	96.1	96.2	97.0
32.9	40.6	51.9	62.4	69.8	79.4	83.8	86.2	90.4	93.6	94.9	95.9	96.8	96.9	97.9
32.9	40.6	51.9	62.4	69.8	79.4	83.8	86.2	90.4	93.6	94.9	95.9	96.8	96.9	97.9

TOTAL NUMBER OF OBSERVATIONS

1228

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

9.7	12.4	14.3	17.2	19.0	21.6	22.8	23.5	25.1	26.4	26.8	27.2	27.5	27.5	28.2
11.3	14.6	16.6	19.7	21.6	24.4	25.7	26.4	28.2	29.4	29.8	30.3	30.5	30.5	31.3
11.3	14.6	16.6	19.7	21.6	24.4	25.7	26.4	28.2	29.4	29.8	30.3	30.5	30.5	31.3
11.4	14.7	16.7	19.9	21.8	24.6	25.9	26.6	28.4	29.6	30.0	30.5	30.7	30.7	31.5
11.3	14.9	16.9	20.1	22.0	24.8	26.1	26.8	28.6	29.8	30.3	30.7	30.9	30.9	31.7
11.8	15.2	17.2	20.7	22.5	25.4	26.7	27.5	29.3	30.5	30.9	31.4	31.6	31.6	32.4
12.0	15.4	17.5	21.0	22.8	25.7	27.3	28.1	30.0	31.2	31.6	32.1	32.3	32.3	33.2
12.1	15.6	17.6	21.1	23.1	26.1	27.5	28.4	30.3	31.7	32.1	32.5	32.8	32.8	33.7
12.6	16.1	18.3	21.9	24.0	27.1	28.6	29.6	31.8	33.2	33.7	34.1	34.4	34.4	35.3
13.4	17.0	19.3	23.2	25.6	28.7	30.3	31.6	33.8	35.3	35.7	36.4	36.6	36.6	37.6
15.0	18.7	21.1	25.0	27.5	30.6	32.2	33.4	35.7	37.3	37.8	38.4	38.4	38.7	39.6
16.4	20.4	23.1	27.1	29.6	32.8	34.5	35.7	38.0	39.6	40.1	40.8	41.1	41.1	42.1
16.8	20.8	23.6	27.7	30.3	33.7	35.4	36.6	38.9	40.5	41.0	41.7	42.0	42.0	43.0
18.1	22.3	25.4	29.9	32.3	36.0	37.8	39.0	41.4	43.0	43.5	44.1	44.3	44.3	45.3
19.7	23.9	27.3	31.9	34.8	38.4	40.2	41.4	43.9	45.5	46.0	46.6	47.1	47.1	48.1
21.0	25.9	30.0	35.4	38.6	42.4	44.2	45.5	48.2	49.8	50.3	51.0	51.3	51.3	52.4
22.7	28.1	32.3	38.3	41.7	45.5	47.4	48.8	51.6	53.3	53.8	54.5	55.0	55.0	56.0
24.4	30.7	36.2	42.6	46.3	50.6	52.8	54.3	57.1	58.8	59.3	59.9	60.5	60.5	61.5
25.2	32.7	37.8	44.4	48.1	52.4	54.7	56.3	59.0	60.7	61.3	61.9	62.4	62.4	63.4
27.0	34.4	40.8	47.6	51.5	56.1	58.6	60.2	63.0	64.7	65.3	65.9	66.5	66.5	67.5
28.4	36.2	43.4	51.3	55.7	60.6	63.4	65.3	68.6	70.4	70.9	71.6	72.2	72.2	73.2
28.7	37.1	45.1	53.8	58.1	63.2	66.5	68.4	71.8	73.7	74.3	75.1	75.7	75.7	76.7
28.9	37.6	45.8	55.0	59.5	64.6	68.1	70.1	73.7	75.7	76.2	77.1	77.7	77.7	78.7
29.3	38.2	47.2	57.0	61.7	67.3	71.2	73.4	77.4	79.7	80.3	81.1	81.8	81.8	82.8
29.5	38.6	47.8	57.9	62.6	68.5	72.5	75.3	79.6	82.1	82.8	83.7	84.4	84.4	85.3
29.5	38.7	48.2	58.5	63.4	70.0	74.1	76.6	81.2	83.8	84.4	85.4	86.1	86.1	87.1
29.6	38.9	48.7	59.2	64.3	71.4	75.9	78.9	83.9	86.6	87.3	88.3	89.0	89.0	90.2
29.7	39.0	48.7	59.4	64.8	72.1	77.1	80.3	85.2	88.2	89.1	90.2	90.9	91.0	92.1
29.7	39.1	48.8	59.6	65.0	73.0	78.0	81.2	86.6	89.8	90.8	91.9	92.7	92.8	93.9
29.7	39.1	48.8	59.7	65.1	73.2	78.2	81.4	86.8	90.2	91.3	92.1	94.7	94.8	96.4
29.7	39.1	48.8	59.7	65.1	73.2	78.2	81.4	86.9	90.6	91.9	93.8	93.4	93.5	95.1
29.7	39.1	48.8	59.7	65.1	73.2	78.2	81.4	86.9	90.6	91.9	93.8	93.4	93.5	95.1

TOTAL NUMBER OF OBSERVATIONS

1438

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

9.8	10.4	11.4	13.8	14.7	16.2	17.2	17.9	19.3	20.5	20.9	21.1	21.5	21.5	22.3
11.8	13.6	15.0	18.5	19.6	21.1	22.2	23.1	25.4	26.7	27.1	27.3	27.8	27.8	28.9
11.9	13.7	15.1	18.6	19.7	21.2	22.4	23.3	25.5	26.8	27.3	27.5	28.0	28.0	29.0
12.1	13.9	15.4	18.9	20.0	21.6	22.7	23.6	25.9	27.3	27.7	27.9	28.4	28.4	29.5
12.3	14.4	16.0	19.5	20.8	22.2	23.5	24.4	26.6	28.0	28.5	28.7	29.2	29.2	30.3
13.0	15.0	16.6	20.3	21.8	23.1	24.5	25.4	27.9	29.4	29.8	30.0	30.6	30.6	31.9
13.6	15.6	17.2	21.0	22.1	24.0	25.3	26.3	29.0	30.7	31.1	31.3	32.0	32.0	33.2
14.9	17.0	18.9	22.6	23.8	25.8	27.1	28.2	31.0	32.9	33.4	33.6	34.2	34.2	35.5
15.8	17.9	20.1	24.3	25.6	28.0	29.4	30.6	33.6	35.5	36.0	36.2	36.9	36.9	38.2
16.6	18.7	21.0	25.4	26.9	29.3	30.9	32.1	35.0	37.1	37.6	37.8	38.4	38.4	39.7
17.9	20.1	22.7	27.2	28.8	31.3	33.0	34.2	37.3	39.4	39.9	40.2	40.8	40.8	42.2
18.8	21.0	23.6	28.1	29.7	32.3	34.0	35.2	38.3	40.4	41.0	41.3	41.9	41.9	43.3
19.2	21.6	24.3	29.1	30.8	33.3	35.5	36.7	39.8	42.0	42.7	43.0	43.6	43.6	45.0
20.8	23.1	26.0	30.9	32.7	35.8	37.6	38.9	42.0	44.2	44.9	45.2	45.8	45.8	47.2
22.3	25.4	28.3	33.6	35.6	38.7	40.6	42.0	45.3	47.7	48.4	48.8	49.5	49.5	50.9
23.8	27.2	30.5	35.9	38.0	41.4	43.4	44.8	48.2	50.8	51.5	52.0	52.7	52.7	54.1
25.6	29.8	33.3	39.3	41.8	45.3	47.7	49.3	52.8	55.5	56.2	56.7	57.5	57.5	58.9
26.7	31.3	35.4	41.3	43.6	47.7	50.0	51.6	55.4	58.1	58.9	59.4	60.1	60.1	61.5
28.7	34.0	38.3	43.0	47.3	51.5	54.2	55.9	59.8	62.9	63.6	64.1	64.9	64.9	66.3
30.3	36.9	42.0	45.4	51.9	56.3	59.4	61.0	65.2	68.4	69.2	69.7	70.4	70.4	71.9
31.2	38.3	44.2	48.6	55.1	60.0	63.2	65.0	69.7	72.9	73.7	74.3	75.1	75.1	76.7
31.8	39.2	45.3	50.8	56.4	61.9	65.3	67.3	72.3	75.8	76.5	77.2	78.0	78.1	79.5
32.2	40.2	47.0	52.2	58.9	64.8	68.7	70.7	76.3	79.8	80.7	81.4	82.2	82.3	83.9
32.3	40.6	47.3	57.1	59.9	65.9	70.4	72.3	78.3	82.0	82.9	83.7	84.8	84.9	86.5
32.3	40.8	47.8	57.3	60.3	66.6	71.2	73.7	79.8	83.7	84.7	85.6	86.8	86.9	88.5
32.3	40.8	47.9	57.7	60.7	67.1	72.0	74.6	81.0	85.4	86.7	87.8	88.9	89.1	90.7
32.3	40.8	47.9	57.9	61.1	68.0	73.0	75.8	82.6	87.4	88.8	90.0	91.3	91.5	93.1
32.3	40.8	47.9	58.0	61.4	68.3	73.4	76.3	83.3	89.0	90.7	92.2	93.8	94.0	95.7
32.3	40.8	47.9	58.0	61.8	68.4	73.5	76.5	83.7	89.3	91.2	92.9	93.3	93.7	97.8
32.3	40.8	47.9	58.0	61.8	68.4	73.5	76.5	83.8	89.4	91.3	93.1	93.7	93.9	98.7
32.3	40.8	47.9	58.0	61.8	68.4	73.5	76.5	83.8	89.4	91.3	93.1	93.7	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1427

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEYBACH AB GERMANY

5672

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

11.2	14.0	16.1	18.6	20.1	22.0	22.5	23.1	24.1	24.4	24.4	24.4	24.4	24.4	24.5	24.6
13.0	18.2	20.8	24.3	25.9	28.2	29.0	29.7	30.9	31.3	31.4	31.4	31.4	31.4	31.5	31.6
15.1	18.2	20.9	24.4	26.0	28.3	29.1	29.8	31.0	31.3	31.4	31.4	31.4	31.4	31.6	31.7
15.4	18.6	21.3	24.8	26.4	28.7	29.5	30.2	31.4	31.8	31.9	31.9	31.9	31.9	32.0	32.1
16.0	19.4	22.2	25.8	27.4	29.8	30.5	31.2	32.5	32.8	32.9	32.9	32.9	33.0	33.1	33.2
16.6	19.9	22.9	26.9	28.5	31.0	32.0	32.9	34.3	34.7	34.7	34.7	34.7	34.8	34.9	35.0
17.0	20.4	23.4	27.4	29.0	31.7	32.7	33.7	35.3	35.9	35.9	35.9	36.0	36.1	36.1	36.3
18.5	22.3	25.8	29.9	31.7	34.5	35.6	36.6	38.3	38.9	38.9	39.0	39.1	39.2	39.3	39.3
19.4	23.4	26.9	31.2	33.1	36.1	37.1	38.1	39.9	40.5	40.6	40.6	40.6	40.7	40.8	40.9
20.5	24.6	28.4	32.7	34.6	37.7	38.9	39.9	41.8	42.4	42.5	42.5	42.6	42.7	42.8	42.8
22.2	26.5	30.3	34.8	36.7	40.0	41.3	42.3	44.2	44.8	44.8	44.9	45.0	45.1	45.2	45.2
22.4	26.9	30.8	35.3	37.2	40.5	41.8	42.8	44.7	45.3	45.3	45.4	45.5	45.5	45.5	45.7
23.9	28.5	32.5	37.1	38.9	42.3	43.6	44.6	46.7	47.3	47.4	47.5	47.6	47.6	47.8	47.8
24.9	29.5	33.7	38.3	40.2	43.7	45.0	46.2	48.4	48.9	49.0	49.1	49.2	49.3	49.4	49.4
27.4	32.2	36.7	41.5	43.4	46.9	48.4	49.6	51.7	52.4	52.5	52.6	52.7	52.8	52.9	52.9
30.6	35.9	40.6	45.6	47.5	51.4	53.0	54.3	56.6	57.3	57.4	57.5	57.6	57.7	57.8	57.8
34.0	39.9	45.4	50.9	53.3	57.3	59.2	60.5	62.8	63.5	63.6	63.9	63.9	64.0	64.1	64.1
35.3	41.4	47.4	52.9	55.4	59.7	61.5	62.9	65.2	66.0	66.2	66.5	66.6	66.7	66.8	66.8
38.0	45.2	51.7	57.5	60.0	64.6	66.5	67.9	70.3	71.4	71.8	72.1	72.1	72.2	72.4	72.4
41.1	49.3	55.7	63.1	66.0	71.4	73.3	75.4	78.3	79.4	79.9	80.2	80.3	80.4	80.5	80.5
41.3	50.3	56.2	63.1	66.0	71.4	73.3	75.4	78.3	81.3	82.3	82.3	82.3	82.4	82.4	82.4
41.8	51.4	60.0	67.8	71.3	77.1	80.4	82.5	85.8	87.4	88.0	88.4	88.5	88.6	88.7	88.7
42.4	52.3	61.0	69.4	73.1	79.1	82.5	84.9	88.4	90.4	91.2	91.6	91.8	91.9	92.0	92.0
42.5	52.4	61.1	69.5	73.4	79.6	83.4	85.9	89.6	91.9	92.7	93.1	93.3	93.5	93.7	93.7
42.5	52.5	61.3	69.9	73.9	80.1	84.1	86.7	90.7	93.1	93.9	94.3	94.7	94.8	94.9	94.9
42.5	52.5	61.3	70.0	74.1	80.7	85.4	87.9	92.4	94.9	95.9	96.4	97.1	97.7	98.0	98.0
42.5	52.5	61.3	70.0	74.1	80.9	85.5	88.5	93.3	96.3	97.3	97.9	98.6	98.9	99.2	99.2
42.5	52.5	61.3	70.0	74.1	80.9	85.5	88.5	93.4	96.4	97.5	98.0	98.6	99.1	99.4	99.4
42.5	52.5	61.3	70.0	74.1	80.9	85.5	88.5	93.4	96.4	97.5	98.0	98.6	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1425







DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2100-2300

16.5	19.8	23.9	28.4	30.7	33.6	34.8	36.3	37.4	37.8	38.0	38.0	38.3	38.3	38.9
18.9	22.4	27.2	32.2	35.0	38.0	39.1	40.9	41.9	42.3	42.4	42.8	42.9	42.9	43.3
19.1	22.6	27.4	32.4	35.2	38.2	39.4	41.2	42.1	42.5	42.7	42.8	43.1	43.1	43.7
19.1	22.6	27.5	32.5	35.3	38.3	39.4	41.2	42.2	42.6	42.8	42.9	43.2	43.2	43.8
19.4	22.8	27.7	32.8	35.5	38.5	39.7	41.5	42.4	42.8	43.0	43.1	43.5	43.5	44.0
19.8	23.3	28.2	33.2	36.1	39.1	40.3	42.1	43.1	43.5	43.6	43.8	44.1	44.1	44.6
20.3	24.3	29.3	34.6	37.6	40.6	41.8	43.6	44.7	45.2	45.4	45.5	45.8	45.8	46.4
21.0	24.9	30.1	35.8	38.7	42.2	43.5	45.3	46.4	46.9	47.0	47.2	47.5	47.5	48.0
22.1	26.2	31.6	37.4	40.3	44.1	45.7	47.6	48.7	49.1	49.3	49.4	49.8	49.8	50.3
23.6	27.9	33.9	39.9	43.3	47.2	49.0	50.9	52.1	52.6	52.8	52.9	53.2	53.3	53.9
25.4	30.1	36.1	42.5	45.9	49.8	51.6	53.5	54.7	55.2	55.4	55.5	55.8	55.9	56.5
26.5	31.2	37.3	43.9	47.4	51.4	53.2	55.1	56.4	56.9	57.1	57.3	57.7	57.8	58.3
27.3	32.1	38.3	45.0	48.8	52.9	54.7	56.6	57.9	58.3	58.6	58.8	59.2	59.3	59.8
28.7	33.6	40.2	46.9	50.7	54.9	56.9	58.8	60.1	60.6	60.8	61.0	61.4	61.5	62.0
29.9	35.0	41.7	49.1	53.1	57.3	59.4	61.3	62.6	63.1	63.3	63.5	63.9	64.0	64.6
31.3	36.7	43.5	52.0	56.1	60.5	62.6	64.6	65.8	66.4	66.6	66.9	67.2	67.3	67.9
32.4	38.0	45.3	54.4	58.7	63.5	65.8	67.9	69.2	69.8	70.0	70.2	70.6	70.7	71.3
33.6	39.9	47.6	57.6	62.1	67.2	69.6	71.8	73.1	73.7	73.9	74.2	74.6	74.6	75.2
34.2	40.6	48.3	58.9	63.5	68.6	71.1	73.3	74.6	75.2	75.4	75.7	76.1	76.1	76.7
35.3	41.9	50.0	60.8	65.4	70.7	73.2	75.5	77.1	77.6	77.9	78.1	78.6	78.7	79.2
36.3	43.3	52.4	64.0	68.7	74.4	76.9	79.3	81.1	81.8	82.0	82.3	82.8	82.9	83.5
36.7	44.0	53.2	65.2	70.1	76.1	78.7	81.1	83.1	83.8	84.0	84.3	84.9	85.0	85.5
37.0	44.5	54.1	66.4	71.3	77.4	80.0	82.3	84.3	85.2	85.4	85.7	86.3	86.4	86.9
37.0	44.6	54.6	67.0	72.3	79.4	82.0	84.8	86.8	87.5	87.7	88.0	88.6	88.7	89.2
37.2	44.9	55.1	68.0	73.6	80.8	83.5	86.3	88.4	89.2	89.4	89.7	90.3	90.4	90.9
37.2	45.0	55.4	68.4	74.2	81.7	84.6	87.6	90.0	90.8	91.0	91.3	91.9	92.0	92.5
37.3	45.2	55.7	69.2	75.0	82.8	85.8	88.8	91.6	92.8	93.1	93.3	93.9	94.0	94.6
37.3	45.2	55.7	69.2	75.0	83.0	86.1	89.3	92.3	93.6	93.9	94.3	94.9	95.0	95.5
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.4	93.6	95.0	95.3	95.6	96.0	97.0	97.6
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.5	93.9	95.3	95.7	96.2	97.2	97.5	98.2
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.5	93.9	95.4	95.9	96.4	97.4	97.6	98.7
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.5	93.9	95.4	95.9	96.4	97.6	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1270

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

22.7	27.1	31.8	36.1	38.3	40.7	41.4	41.9	42.1	42.2	42.2	42.3	42.4	42.4	42.9
25.6	30.7	35.8	40.9	43.3	46.0	46.7	47.2	47.4	47.5	47.5	47.6	47.7	47.7	48.2
25.6	30.7	35.8	40.9	43.3	46.0	46.7	47.2	47.4	47.5	47.5	47.6	47.7	47.7	48.2
25.7	31.1	36.3	41.6	44.0	46.7	47.4	47.9	48.1	48.2	48.2	48.3	48.5	48.5	49.0
26.5	31.9	37.1	42.4	44.8	47.5	48.2	48.7	48.9	49.0	49.0	49.1	49.2	49.2	49.7
27.3	32.8	38.2	43.7	46.2	48.9	49.5	50.0	50.3	50.4	50.4	50.5	50.6	50.6	51.1
28.2	33.7	39.1	44.8	47.5	50.3	50.9	51.5	51.7	51.8	51.8	51.9	52.0	52.0	52.5
29.7	35.3	40.8	46.7	49.4	52.1	52.8	53.3	53.5	53.7	53.7	53.8	53.9	53.9	54.5
32.0	38.1	43.7	49.7	52.6	55.4	56.1	56.8	57.1	57.3	57.3	57.4	57.6	57.6	58.1
34.1	40.3	45.8	52.1	55.1	58.1	58.8	59.3	59.7	60.0	60.0	60.1	60.2	60.2	60.8
35.6	42.7	48.5	55.1	58.1	61.1	61.9	62.6	62.8	63.1	63.1	63.2	63.3	63.3	63.9
36.7	43.9	50.0	57.1	60.4	63.5	64.3	65.1	65.3	65.6	65.6	65.7	65.8	65.8	66.6
38.4	46.0	52.3	59.7	63.2	66.4	67.2	68.0	68.2	68.5	68.5	68.7	68.7	68.7	69.5
39.9	47.7	54.3	61.9	65.4	68.7	69.5	70.3	70.5	70.8	70.8	70.9	71.0	71.0	71.8
41.1	49.5	57.1	64.8	68.6	72.1	73.0	73.8	74.0	74.3	74.3	74.3	74.5	74.5	75.3
43.3	52.0	59.7	68.2	72.1	75.7	76.6	77.3	77.6	77.8	77.8	77.9	78.1	78.1	78.9
45.7	54.9	63.1	72.0	76.3	80.1	80.9	81.8	82.0	82.4	82.4	82.4	82.6	82.6	83.4
45.8	55.2	63.6	72.6	77.0	80.9	81.9	82.8	83.0	83.4	83.4	83.4	83.6	83.6	84.4
46.9	56.8	65.8	74.9	79.4	83.3	84.4	85.4	85.6	85.9	85.9	86.0	86.2	86.2	87.0
47.8	58.3	68.7	78.1	82.7	86.9	88.1	89.0	89.4	89.7	89.7	89.9	90.0	90.0	90.8
48.3	59.4	70.1	79.7	84.4	88.7	90.0	91.0	91.3	91.7	91.7	91.8	92.0	92.0	92.8
48.5	59.6	70.6	80.4	85.1	89.3	90.8	91.8	92.1	92.5	92.5	92.6	92.8	92.8	93.6
48.6	59.7	71.0	81.3	86.2	90.7	91.9	92.9	93.3	93.6	93.6	93.8	94.0	94.0	94.8
48.8	60.0	71.6	82.2	87.2	92.0	93.2	94.3	94.7	95.1	95.1	95.2	95.4	95.4	96.3
49.0	60.6	72.3	82.9	88.2	93.3	94.5	95.6	96.0	96.3	96.3	96.5	96.7	96.7	97.6
49.0	60.6	72.3	83.2	88.5	94.0	95.2	96.3	96.7	97.1	97.1	97.2	97.4	97.4	98.3
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.3	96.9	97.6	97.6	97.7	98.0	98.0	98.9
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.2	98.5	98.5	99.4
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.2	98.6	98.6	99.4
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.3	98.8	98.8	99.8
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.3	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1395

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0300

19.5	22.7	27.3	32.0	33.7	37.1	38.2	38.7	39.5	39.7	39.9	39.9	40.3	40.5	41.1
21.5	25.5	30.2	35.1	36.9	40.5	41.6	42.2	43.0	43.2	43.4	43.4	43.9	44.0	44.6
21.5	25.5	30.2	35.1	36.9	40.5	41.7	42.3	43.1	43.3	43.5	43.5	43.9	44.1	44.7
21.5	25.5	30.2	35.1	36.9	40.5	41.7	42.3	43.1	43.2	43.3	43.5	43.9	44.1	44.7
21.5	25.5	30.2	35.3	37.1	40.7	41.9	42.5	43.3	43.6	43.7	43.7	44.2	44.4	45.0
21.6	25.6	30.3	35.3	37.3	41.0	42.2	42.8	43.6	43.9	44.0	44.0	44.5	44.6	45.2
22.1	26.1	31.0	36.3	38.1	41.9	43.2	43.8	44.6	45.0	45.1	45.1	45.6	45.7	46.3
22.7	26.8	31.8	37.3	39.3	43.2	44.5	45.1	45.9	46.3	46.4	46.4	46.9	47.0	47.6
24.2	28.4	33.4	39.0	41.0	45.2	46.5	47.1	47.9	48.2	48.4	48.4	48.8	49.0	49.6
26.1	30.7	35.8	41.5	43.7	48.0	49.3	49.9	50.7	51.3	51.4	51.4	51.9	52.0	52.9
27.3	32.1	37.1	43.0	45.5	49.9	51.2	51.8	52.7	53.2	53.3	53.3	53.8	53.9	54.8
29.0	34.2	39.7	45.8	48.5	53.1	54.4	55.1	56.0	56.5	56.7	56.7	57.2	57.3	58.2
29.5	34.9	40.4	46.5	49.7	54.6	56.1	56.7	57.6	58.2	58.4	58.4	58.8	59.0	59.9
30.9	36.5	42.9	49.3	52.7	57.6	59.2	59.9	60.7	61.3	61.5	61.5	62.0	62.1	63.0
32.4	38.5	45.6	52.2	55.9	60.9	62.5	63.2	64.1	64.6	64.8	64.8	65.3	65.4	66.3
33.7	40.4	47.9	54.6	58.7	63.9	65.5	66.2	67.1	67.6	67.8	67.8	68.3	68.4	69.3
35.6	43.1	51.2	58.2	62.7	68.0	69.7	70.3	71.2	71.8	72.0	72.0	72.4	72.6	73.5
38.0	46.4	55.2	62.7	67.1	72.7	74.3	75.0	75.9	76.4	76.7	76.7	77.1	77.3	78.2
38.7	47.8	56.8	64.3	69.1	74.8	76.5	77.1	78.0	78.6	78.8	78.8	79.3	79.5	80.3
39.5	49.2	58.3	66.1	71.2	76.9	78.6	79.3	80.2	80.7	81.0	81.0	81.6	81.7	82.6
41.0	52.0	62.2	70.6	75.8	81.8	83.5	84.2	85.2	85.7	86.0	86.0	86.5	86.7	87.6
41.2	52.9	63.1	71.8	77.1	83.3	85.1	85.8	86.8	87.3	87.6	87.6	88.2	88.3	89.2
41.8	53.5	63.9	73.0	78.3	85.0	86.7	87.4	88.4	89.0	89.3	89.3	89.8	89.9	90.8
42.4	54.4	65.3	74.6	80.4	87.1	89.0	89.8	90.9	91.4	91.7	91.8	92.3	92.4	93.3
42.5	54.9	66.0	76.0	82.0	89.2	91.1	91.8	93.0	93.5	93.9	93.9	94.3	94.6	95.5
42.6	55.1	66.2	76.3	82.7	89.9	91.9	92.7	93.8	94.4	94.7	94.8	95.3	95.4	96.3
42.7	55.2	66.3	76.4	82.8	90.4	92.5	93.3	94.4	95.1	95.4	95.5	96.1	96.3	97.1
42.7	55.2	66.3	76.5	83.0	90.6	92.7	93.5	94.8	95.6	95.9	96.0	96.6	96.7	97.6
42.7	55.2	66.3	76.5	83.1	90.8	93.1	93.8	95.4	96.3	96.6	96.8	97.3	97.6	98.5
42.7	55.2	66.3	76.5	83.2	91.0	93.3	94.1	95.7	96.7	97.1	97.2	97.8	98.0	99.0
42.7	55.2	66.3	76.5	83.2	91.0	93.3	94.1	95.8	96.9	97.3	97.4	98.0	98.2	99.4
42.7	55.2	66.3	76.5	83.2	91.0	93.3	94.1	95.8	96.9	97.3	97.6	98.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1470

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

54-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

14.3	17.0	20.6	24.9	26.1	28.3	29.6	30.1	31.6	32.6	32.8	33.1	33.4	33.4	33.8
16.8	19.9	23.9	28.2	29.6	31.9	32.5	34.1	35.7	36.9	37.1	37.5	37.8	37.8	38.3
16.8	20.0	23.9	28.4	29.7	32.0	33.6	34.2	35.7	37.0	37.2	37.6	37.8	37.9	38.3
16.8	20.0	23.9	28.4	29.7	32.0	33.6	34.2	35.7	37.0	37.2	37.6	37.8	37.9	38.3
16.9	20.1	24.1	28.6	29.9	32.2	33.9	34.5	36.0	37.3	37.6	38.0	38.2	38.3	38.7
17.1	20.3	24.3	28.9	30.3	32.6	34.2	34.8	36.4	37.8	38.1	38.4	38.7	38.8	39.2
18.4	21.9	25.9	30.6	32.0	34.5	36.0	36.6	38.2	39.6	40.1	40.4	40.7	40.7	41.2
18.9	22.4	26.5	31.2	32.6	35.0	36.8	37.5	39.3	40.7	41.2	41.6	41.8	41.9	42.4
20.4	24.1	28.2	33.1	34.7	37.2	39.1	39.8	41.6	43.0	43.5	43.9	44.2	44.3	45.0
21.2	23.2	29.6	34.8	36.6	39.3	41.3	42.1	44.0	45.7	46.1	46.3	46.8	46.9	47.6
21.9	26.1	30.7	36.5	38.3	41.2	43.2	44.0	46.0	47.6	48.1	48.5	48.8	48.9	49.6
23.0	27.3	32.4	38.4	40.3	43.3	45.3	46.3	48.4	50.1	50.6	51.1	51.4	51.5	52.2
23.7	28.2	33.4	39.5	41.4	44.7	47.1	48.1	50.2	51.8	52.4	52.8	53.1	53.2	54.0
25.0	29.8	35.3	41.7	43.7	47.1	49.7	50.9	53.0	54.7	55.2	55.7	56.0	56.1	56.8
25.1	31.4	37.5	44.2	46.3	49.9	52.9	54.2	56.4	58.0	58.6	59.0	59.3	59.4	60.2
28.4	34.0	41.1	48.2	50.5	54.3	57.3	58.7	61.2	62.8	63.4	63.8	64.2	64.3	65.0
30.1	36.0	43.4	51.4	53.9	58.1	61.1	62.6	65.2	66.8	67.3	67.8	68.1	68.3	69.0
31.7	38.4	46.5	55.0	57.5	61.9	65.1	66.6	69.3	70.9	71.4	71.9	72.2	72.4	73.2
32.2	39.1	47.5	56.3	59.1	63.6	66.8	68.3	71.0	72.6	73.2	73.7	74.1	74.2	75.0
33.4	40.9	49.7	59.1	62.2	66.7	69.9	71.5	74.3	76.0	76.6	77.1	77.3	77.6	78.4
35.1	43.4	53.0	63.0	66.3	71.4	74.8	76.6	79.3	81.2	81.8	82.3	82.7	82.9	83.6
35.5	44.2	54.2	64.7	68.2	73.7	77.2	79.1	82.1	83.9	84.5	85.0	85.4	85.5	86.3
35.7	44.8	55.2	66.0	69.6	75.4	78.9	80.9	83.9	85.7	86.3	86.9	87.3	87.5	88.2
36.2	45.4	56.0	67.4	71.1	77.5	81.2	83.1	86.2	88.0	88.6	89.3	89.7	89.8	90.6
36.4	45.7	56.9	68.4	72.3	78.8	82.9	84.8	88.1	89.9	90.6	91.2	91.7	91.8	92.6
36.4	45.8	57.1	68.8	72.9	79.7	83.9	85.9	89.3	91.3	91.9	92.6	93.0	93.2	94.0
36.4	45.9	57.4	69.3	73.6	80.6	85.2	87.3	90.9	93.0	93.7	94.3	94.8	95.0	95.8
36.4	46.0	57.5	69.5	73.9	81.1	85.7	88.0	91.7	93.9	94.5	95.2	95.8	96.0	96.8
36.4	46.0	57.5	69.7	74.0	81.4	86.3	89.1	93.0	95.3	96.0	96.7	97.4	97.5	98.4
36.4	46.0	57.5	69.7	74.1	81.6	86.7	89.3	93.2	95.5	96.3	97.1	97.9	98.0	99.4
36.4	46.0	57.5	69.7	74.1	81.6	86.7	89.3	93.2	95.5	96.3	97.1	97.9	98.0	99.4
36.4	46.0	57.5	69.7	74.1	81.6	86.7	89.3	93.2	95.5	96.3	97.1	98.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1010

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

54-72

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-1100

14.4	17.5	21.5	24.0	25.4	26.9	28.2	28.9	29.7	29.8	29.8	29.8	30.0	30.0	30.0
18.8	22.4	27.2	30.0	31.6	33.4	34.8	35.5	36.5	36.7	36.7	36.7	36.9	36.9	37.0
18.9	22.4	27.2	30.0	31.7	33.4	34.9	35.6	36.6	36.8	36.8	36.8	37.0	37.0	37.0
19.1	22.7	27.5	30.5	32.1	34.0	35.4	36.2	37.2	37.3	37.3	37.3	37.5	37.5	37.6
19.6	23.3	28.2	31.1	32.9	34.7	36.2	36.9	37.9	38.1	38.1	38.1	38.3	38.3	38.4
20.9	24.6	29.5	32.6	34.5	36.3	37.8	38.6	39.8	40.0	40.0	40.0	40.2	40.2	40.2
21.2	25.1	30.2	33.3	35.2	37.1	38.7	39.5	40.7	40.9	40.9	40.9	41.1	41.1	41.2
22.5	26.9	32.1	35.4	37.3	39.4	41.1	41.9	43.2	43.5	43.6	43.6	43.8	43.8	43.8
23.8	28.2	34.1	37.6	40.0	42.4	44.2	45.2	46.6	46.9	46.9	46.9	47.1	47.1	47.2
24.3	29.2	35.4	39.2	41.7	44.1	46.0	47.1	48.4	48.7	48.8	48.8	49.0	49.0	49.0
25.0	30.0	36.3	40.4	43.1	45.6	47.6	48.7	50.0	50.3	50.4	50.4	50.6	50.6	50.7
25.3	30.5	37.0	41.2	44.0	46.7	48.6	49.8	51.1	51.5	51.5	51.5	51.7	51.7	51.8
26.2	31.5	38.4	42.8	45.7	48.5	50.5	51.8	53.2	53.6	53.7	53.7	53.9	53.9	53.9
27.4	33.0	40.1	44.8	48.0	51.1	53.2	54.5	56.0	56.3	56.4	56.4	56.6	56.6	56.7
29.2	35.5	42.9	48.2	51.6	54.8	57.0	58.3	59.8	60.3	60.4	60.4	60.6	60.6	60.6
31.7	38.5	46.4	52.2	55.7	59.1	61.5	63.0	64.8	65.3	65.3	65.3	65.5	65.5	65.6
33.8	41.2	50.0	56.3	59.9	63.4	66.0	67.6	69.3	70.0	70.0	70.0	70.2	70.2	70.3
34.7	42.2	51.4	57.8	61.6	65.1	67.8	69.3	71.1	71.8	71.8	71.8	72.0	72.0	72.1
36.3	44.5	54.4	61.2	65.1	68.7	71.5	73.1	75.2	76.0	76.1	76.1	76.3	76.3	76.3
38.6	48.0	58.8	66.4	71.0	75.1	78.1	79.9	82.0	82.9	83.0	83.0	83.2	83.2	83.2
39.3	49.1	60.5	68.8	73.6	78.1	81.2	83.1	85.4	86.3	86.3	86.3	86.5	86.5	86.6
39.4	49.5	61.7	70.5	75.4	79.9	83.3	85.4	87.8	88.7	88.8	88.8	89.0	89.0	89.0
39.8	50.2	63.1	72.3	77.2	82.3	85.8	88.0	90.7	91.5	91.6	91.6	91.9	91.9	92.0
40.1	50.7	63.8	73.5	78.7	83.8	87.4	89.7	92.6	93.6	93.7	93.7	94.0	94.0	94.1
40.2	50.8	64.4	74.3	79.6	85.0	88.7	91.1	94.1	95.2	95.4	95.5	95.8	95.8	95.9
40.2	50.9	64.5	74.6	79.9	85.5	89.3	91.8	95.0	96.2	96.4	96.5	96.8	96.8	96.8
40.2	51.0	64.6	74.8	80.2	86.1	89.9	92.5	95.8	97.0	97.3	97.5	97.8	97.8	97.8
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.5	97.8	98.1	98.4	98.4	98.5
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.9	98.3	98.6	99.1	99.1	99.4
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.9	98.3	98.6	99.1	99.2	99.7
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.9	98.3	98.6	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1015







DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-69

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

22.5	26.1	28.8	31.7	33.0	33.4	33.6	33.6	33.7	33.9	33.9	34.0	34.1	34.1	34.1
30.1	34.3	37.6	41.1	42.7	43.2	43.5	43.5	43.6	43.8	43.8	43.8	44.0	44.0	44.0
30.1	34.3	37.6	41.1	42.7	43.2	43.5	43.5	43.6	43.8	43.8	43.8	44.0	44.0	44.0
30.2	34.3	37.6	41.1	42.8	43.3	43.6	43.6	43.6	43.8	43.8	43.9	44.1	44.1	44.1
30.8	34.9	38.2	41.7	43.3	43.8	44.1	44.1	44.2	44.4	44.4	44.5	44.6	44.6	44.6
31.4	35.7	39.1	42.8	44.4	44.9	45.2	45.2	45.2	45.5	45.5	45.6	45.7	45.7	45.7
33.2	37.9	41.3	45.4	47.1	47.6	47.9	47.9	48.0	48.2	48.2	48.3	48.4	48.4	48.4
34.0	38.9	42.5	46.6	48.4	49.0	49.5	49.6	49.6	49.9	49.9	49.9	50.1	50.1	50.1
36.4	41.6	45.2	49.3	51.1	51.9	52.4	52.5	52.6	52.8	52.8	52.9	53.0	53.0	53.0
39.0	44.3	48.1	52.4	54.2	55.1	55.7	55.8	55.9	56.1	56.1	56.2	56.3	56.3	56.3
40.8	46.3	50.7	55.0	56.8	57.7	58.4	58.4	58.5	58.7	58.7	58.8	58.9	58.9	58.9
43.3	49.6	54.0	58.7	60.6	61.8	62.5	62.7	62.8	63.0	63.0	63.1	63.2	63.2	63.2
45.3	51.7	56.1	61.0	62.9	64.1	64.8	64.9	65.1	65.3	65.3	65.4	65.5	65.5	65.5
47.9	54.7	59.9	65.0	67.0	68.4	69.2	69.4	69.5	69.7	69.7	69.8	70.0	70.0	70.0
50.1	57.2	62.7	68.2	70.2	71.7	72.6	72.8	73.0	73.2	73.2	73.2	73.4	73.4	73.4
52.6	60.1	66.2	72.4	74.5	76.0	77.0	77.2	77.3	77.5	77.5	77.5	77.6	77.8	77.8
55.2	62.8	69.2	76.2	78.5	80.3	81.5	81.7	81.8	82.0	82.0	82.1	82.3	82.3	82.3
57.4	65.3	72.4	80.5	82.9	84.8	86.1	86.3	86.3	86.7	86.7	86.8	86.9	86.9	86.9
57.8	66.2	73.3	81.5	84.0	86.1	87.3	87.6	87.7	87.9	87.9	88.0	88.1	88.1	88.1
58.7	68.0	75.2	83.7	86.5	88.6	90.1	90.3	90.4	90.6	90.6	90.7	90.8	90.8	90.8
59.2	68.5	76.1	85.0	88.1	90.3	91.9	92.1	92.3	92.6	92.6	92.7	92.8	92.8	92.8
59.4	69.0	76.8	85.8	88.9	91.5	93.2	93.5	93.8	94.3	94.3	94.4	94.6	94.6	94.6
59.4	69.0	76.8	85.0	89.3	91.9	93.7	94.0	94.3	94.9	95.0	95.1	95.2	95.2	95.2
59.5	69.2	77.3	86.6	90.1	92.9	94.8	95.1	95.4	96.1	96.1	96.2	96.4	96.4	96.4
59.6	69.3	77.3	87.3	91.0	93.9	95.8	96.1	96.6	97.3	97.4	97.5	97.6	97.6	97.6
59.7	69.4	77.6	87.4	91.1	94.1	96.0	96.4	97.0	97.7	97.7	97.9	98.1	98.1	98.1
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.8	97.6	98.4	98.4	98.6	98.8	98.8	98.8
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.6	98.6	99.0	99.1	99.4	99.4
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.6	98.6	99.1	99.4	99.4	99.4
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.9	98.9	99.4	99.9	99.9	99.9
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.9	98.9	99.4	99.6	100.0	100.0
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.9	98.9	99.4	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1398

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-68

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2100-2300

27.5	32.2	36.8	40.5	42.3	43.5	44.1	44.2	44.4	44.4	44.4	44.4	44.5	44.5	44.6	44.7
30.4	33.4	40.4	44.2	46.4	47.6	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
30.5	35.6	40.5	44.4	46.5	47.7	48.3	48.5	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8
30.5	35.6	40.5	44.4	46.5	47.7	48.3	48.5	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8
30.8	35.8	40.9	44.9	47.0	48.2	48.7	48.9	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2
31.3	36.3	41.4	45.4	47.5	48.7	49.2	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7
32.3	37.7	42.9	47.1	49.2	50.4	51.0	51.1	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.6
33.8	39.0	44.3	49.0	51.0	52.3	52.8	53.0	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3
35.1	41.4	46.8	51.7	53.8	55.1	55.6	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1
38.4	44.1	49.5	54.6	57.0	58.6	59.3	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8
40.1	46.4	52.3	57.7	60.3	62.1	62.7	63.0	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4
42.4	49.0	55.2	60.8	63.4	65.2	65.8	66.1	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.5
44.3	51.0	57.6	63.4	66.1	68.1	68.7	69.0	69.2	69.3	69.3	69.3	69.4	69.4	69.4	69.4
46.0	53.2	60.0	66.7	69.5	71.9	72.6	73.0	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.4
47.5	55.3	63.0	69.2	72.1	74.6	75.3	75.7	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1
49.6	57.7	65.9	72.4	75.4	77.9	78.7	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
51.0	59.6	68.1	75.1	78.2	80.9	81.7	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4
52.9	61.9	71.0	78.6	81.6	84.6	85.4	85.9	86.0	86.2	86.3	86.4	86.4	86.4	86.4	86.4
53.0	62.1	71.3	79.0	82.4	85.4	86.3	86.7	87.0	87.2	87.2	87.2	87.3	87.3	87.3	87.3
53.3	62.6	72.1	80.3	84.0	87.2	88.2	88.7	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2
54.2	64.0	73.8	82.1	86.1	89.7	91.0	91.5	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0
54.3	64.5	74.8	83.4	87.6	91.4	92.7	93.2	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8
54.3	64.6	75.1	83.7	88.0	91.9	93.2	93.7	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4
54.4	64.7	75.4	84.4	88.8	92.8	94.1	94.6	94.9	95.4	95.4	95.4	95.5	95.5	95.5	95.5
54.5	64.8	75.7	84.7	89.6	93.6	95.0	95.5	95.8	96.3	96.3	96.3	96.4	96.4	96.4	96.4
54.6	65.1	76.1	85.2	90.1	94.2	95.7	96.2	96.6	97.1	97.1	97.1	97.2	97.2	97.2	97.2
54.6	65.2	76.3	85.6	90.6	94.9	96.3	97.1	97.3	98.0	98.0	98.0	98.1	98.1	98.1	98.1
54.6	65.2	76.3	85.6	90.7	95.1	96.7	97.3	98.0	98.5	98.5	98.5	98.6	98.6	98.6	98.6
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	98.9	98.9	98.9	99.0	99.0	99.0	99.0
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	99.1	99.1	99.1	99.2	99.2	99.2	99.2
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	99.1	99.1	99.1	99.2	99.2	99.2	99.2
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	99.1	99.1	99.1	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1399

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SENBACH AB GERMANY

54-68

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

38.5	41.9	44.6	47.4	48.1	49.0	49.3	49.6	49.8	49.8	49.9	49.9	50.1	50.1	50.4
42.8	46.4	49.3	52.4	53.2	54.4	54.8	55.0	55.2	55.2	55.4	55.5	55.6	55.6	55.9
42.8	46.4	49.3	52.4	53.2	54.4	54.8	55.0	55.2	55.2	55.4	55.5	55.6	55.6	55.9
42.8	46.4	49.3	52.4	53.2	54.4	54.8	55.0	55.2	55.2	55.4	55.5	55.6	55.6	55.9
43.4	47.2	50.0	53.2	53.9	55.2	55.6	55.9	56.1	56.1	56.2	56.2	56.4	56.4	56.7
43.6	47.4	50.5	53.9	54.6	55.9	56.4	56.6	56.9	56.9	57.0	57.0	57.2	57.2	57.5
45.1	49.0	52.1	55.4	56.1	57.5	58.0	58.2	58.5	58.6	58.7	58.7	58.9	58.9	59.2
48.1	52.3	55.6	59.1	60.1	61.4	61.9	62.1	62.4	62.6	62.7	62.8	63.0	63.0	63.3
51.5	56.1	59.7	63.3	64.6	65.9	66.4	66.7	67.0	67.1	67.2	67.3	67.5	67.5	67.9
54.0	58.8	62.7	66.7	68.1	69.4	70.0	70.3	70.6	70.7	70.8	71.0	71.1	71.1	71.5
56.0	61.0	65.3	69.3	70.7	72.1	72.7	73.0	73.3	73.6	73.6	73.8	73.9	73.9	74.3
57.2	62.1	66.6	71.0	72.4	74.1	74.7	75.0	75.3	75.5	75.6	75.7	75.9	75.9	76.3
58.7	64.0	68.7	73.3	74.7	76.4	77.1	77.5	77.8	78.0	78.1	78.2	78.4	78.4	78.9
59.9	65.3	70.3	75.3	77.0	78.7	79.4	79.8	80.1	80.3	80.4	80.5	80.7	80.7	81.2
60.9	66.5	71.8	76.9	78.6	80.3	81.3	81.7	82.0	82.2	82.3	82.4	82.7	82.7	83.1
61.8	67.6	73.2	78.4	80.3	82.4	83.1	83.6	83.9	84.1	84.2	84.4	84.6	84.6	85.0
62.6	68.5	74.5	80.1	82.1	84.2	85.0	85.5	85.8	86.0	86.1	86.2	86.4	86.4	86.9
63.0	69.1	75.5	81.0	83.0	85.3	86.1	86.6	86.9	87.1	87.2	87.3	87.6	87.6	88.0
64.1	70.7	77.5	83.3	85.3	87.6	88.5	89.0	89.3	89.6	89.6	89.8	90.0	90.0	90.4
64.9	72.0	79.4	85.3	87.5	90.0	91.0	91.5	91.8	92.0	92.1	92.2	92.4	92.4	92.9
65.3	72.9	80.7	87.0	89.3	91.9	92.8	93.3	93.6	93.9	94.1	94.2	94.3	94.3	94.7
65.3	73.4	81.3	87.8	90.3	93.0	94.0	94.5	94.8	95.0	95.1	95.3	95.3	95.3	95.9
65.7	73.7	81.6	88.2	91.0	93.9	94.9	95.4	95.7	96.0	96.1	96.2	96.4	96.4	96.9
65.8	73.8	81.8	88.7	91.3	94.7	95.7	96.2	96.5	96.8	96.9	97.0	97.3	97.3	97.7
65.8	73.8	81.8	88.7	91.3	94.8	96.1	96.6	96.9	97.2	97.3	97.3	97.7	97.7	98.1
65.8	73.8	81.9	88.9	91.8	95.3	96.5	97.0	97.4	97.8	97.9	98.0	98.2	98.2	98.7
65.8	73.8	81.9	89.0	91.9	95.2	96.7	97.4	97.9	98.3	98.4	98.5	98.8	98.8	99.3
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	98.7	99.0	99.3	99.3	99.7
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	99.0	99.2	99.3	99.3	99.9
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	99.0	99.2	99.3	99.3	99.9
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	99.0	99.2	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1390

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

32.0	33.8	35.3	38.6	39.2	40.5	41.2	41.6	41.8	42.4	42.5	42.6	42.8	42.8	43.4
35.6	38.0	40.0	43.8	44.5	46.0	47.0	47.4	47.5	48.2	48.4	48.4	48.7	48.7	49.3
35.6	38.0	40.1	43.8	44.6	46.1	47.0	47.5	47.6	48.2	48.4	48.5	48.7	48.9	49.4
35.6	38.0	40.2	43.9	44.7	46.2	47.1	47.3	47.7	48.3	48.5	48.6	48.8	48.9	49.4
36.2	38.7	40.8	44.5	45.4	46.9	47.8	48.2	48.4	49.0	49.2	49.3	49.5	49.6	50.1
37.1	39.6	42.2	46.1	47.1	48.7	49.6	50.0	50.1	50.8	51.0	51.1	51.3	51.3	51.9
38.1	40.7	43.3	47.4	48.4	50.1	51.1	51.5	51.6	52.3	52.5	52.5	52.8	52.8	53.5
40.4	43.3	46.2	50.5	51.7	53.7	54.7	55.1	55.3	55.9	56.2	56.2	56.4	56.5	57.2
43.3	46.4	49.6	53.9	55.2	57.2	58.2	58.6	58.9	59.6	59.8	60.0	60.2	60.3	61.0
45.2	48.9	52.4	57.1	58.7	60.8	61.8	62.3	62.5	63.3	63.5	63.7	63.9	64.0	64.7
46.7	50.6	54.3	59.0	60.6	63.1	64.4	64.8	65.1	65.9	66.1	66.2	66.4	66.5	67.4
48.1	51.9	55.9	60.6	62.3	64.9	66.1	66.6	66.9	67.6	67.8	68.0	68.2	68.3	69.1
49.0	53.0	57.4	62.5	64.2	66.8	68.2	68.6	68.9	69.7	69.9	70.0	70.3	70.3	71.2
50.2	54.3	59.1	64.4	66.4	69.1	70.5	71.0	71.4	72.2	72.4	72.5	72.7	72.8	73.7
51.7	56.4	61.7	67.4	69.4	72.4	74.0	74.6	75.0	75.8	76.0	76.1	76.3	76.4	77.3
53.0	57.8	63.5	69.8	71.8	74.9	76.5	77.1	77.5	78.3	78.5	78.6	78.8	78.9	79.7
54.5	59.6	65.7	72.6	74.8	77.9	79.6	80.2	80.6	81.4	81.6	81.7	81.9	82.0	82.9
55.1	60.5	66.8	73.8	76.1	79.2	80.9	81.4	81.9	82.6	82.9	83.1	83.3	83.4	84.2
56.6	62.4	68.8	76.1	78.5	81.9	83.6	84.1	84.6	85.3	85.6	85.8	86.0	86.0	86.9
57.8	64.0	70.8	78.3	80.9	84.6	86.3	86.8	87.3	88.0	88.3	88.5	88.7	88.7	89.6
57.9	64.3	72.0	79.7	82.4	86.3	88.0	88.6	89.0	89.8	90.1	90.2	90.4	90.5	91.4
58.2	64.9	72.6	80.7	83.8	87.9	89.6	90.3	90.7	91.6	91.9	92.0	92.2	92.3	93.1
58.3	65.2	72.9	81.2	84.4	88.5	90.4	91.4	91.8	92.6	92.9	93.1	93.3	93.3	94.2
58.4	65.4	73.2	81.6	84.9	89.4	91.2	92.3	92.7	93.6	93.8	94.0	94.2	94.3	95.1
58.4	65.3	73.4	81.9	85.3	90.0	92.1	93.2	93.6	94.5	94.8	94.9	95.1	95.2	96.0
58.5	65.7	73.6	82.3	85.7	90.7	92.9	94.1	94.5	95.4	95.7	95.8	96.0	96.1	97.0
58.5	65.7	73.6	82.4	86.0	91.1	93.3	94.5	94.9	95.8	96.1	96.2	96.4	96.5	97.0
58.5	65.7	73.6	82.4	86.0	91.2	93.6	94.8	95.2	96.1	96.4	96.5	96.7	96.8	97.0
58.5	65.7	73.6	82.4	86.0	91.2	93.6	94.8	95.2	96.1	96.4	96.5	96.7	96.8	97.0
58.5	65.7	73.6	82.4	86.0	91.2	93.6	94.8	95.2	96.1	96.4	96.5	96.7	96.8	97.0
58.5	65.7	73.6	82.4	86.0	91.2	93.6	94.8	95.2	96.1	96.4	96.5	96.7	96.8	97.0

TOTAL NUMBER OF OBSERVATIONS

1412

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

24.7	26.7	28.8	31.4	32.6	33.9	33.6	34.4	35.0	35.3	35.5	35.6	35.6	35.7	36.0
28.2	30.6	33.6	35.8	37.3	38.7	39.3	40.3	41.0	41.3	41.4	41.5	41.7	41.8	42.2
28.2	30.6	33.6	36.8	37.5	38.7	39.3	40.3	41.0	41.3	41.4	41.5	41.7	41.8	42.2
28.3	30.7	33.7	36.9	37.7	38.8	39.4	40.4	41.1	41.4	41.5	41.7	41.9	41.9	42.3
28.6	31.1	34.0	37.2	38.0	39.1	39.7	40.8	41.4	41.7	41.9	42.0	42.2	42.2	42.6
29.6	32.2	35.2	38.4	39.2	40.4	41.0	42.0	42.6	43.0	43.1	43.2	43.4	43.5	43.9
30.6	33.4	36.5	40.1	40.8	42.1	42.7	43.7	44.4	44.8	45.0	45.1	45.3	45.3	45.7
31.4	34.4	37.5	41.1	41.9	43.1	43.7	44.8	45.5	45.9	46.1	46.2	46.4	46.5	47.0
33.5	36.8	40.3	44.4	45.2	46.5	47.3	48.4	49.1	49.5	49.7	49.8	50.1	50.2	50.6
36.6	40.2	44.2	48.4	49.2	50.8	51.6	52.6	53.4	54.1	54.3	54.4	54.7	54.8	55.4
38.3	42.4	46.9	51.2	52.3	54.0	54.8	56.1	56.8	57.6	57.8	57.9	58.2	58.3	59.0
39.3	43.9	48.9	53.4	54.8	56.7	57.6	58.9	59.7	60.3	60.7	60.9	61.2	61.2	62.1
40.0	44.7	49.7	54.3	55.7	57.8	58.7	60.0	60.8	61.7	61.9	62.0	62.3	62.4	63.2
41.1	46.1	51.5	56.3	57.8	60.1	61.0	62.3	63.2	64.2	64.3	64.6	64.9	65.0	65.9
42.1	47.2	52.8	57.8	59.4	61.6	62.6	64.1	65.1	66.0	66.3	66.5	66.8	66.9	67.8
43.5	49.0	53.3	60.4	62.1	64.6	65.6	67.1	68.2	69.3	69.6	69.8	70.1	70.2	71.3
45.2	51.1	57.7	62.8	64.8	67.2	68.2	69.7	70.9	71.9	72.2	72.4	72.7	72.8	74.0
46.4	52.5	59.4	65.1	67.4	69.9	70.9	72.4	73.6	74.6	74.9	75.1	75.3	75.5	76.7
47.0	53.2	60.5	66.3	68.7	71.3	72.3	73.9	75.1	76.2	76.6	76.7	77.1	77.1	78.3
48.8	55.6	63.3	69.4	71.8	74.5	75.6	77.3	78.6	79.8	80.1	80.3	80.6	80.7	81.8
50.5	57.8	66.3	72.7	75.2	78.2	79.5	81.3	82.6	84.0	84.4	84.6	84.9	84.9	86.1
51.4	59.2	68.5	73.4	78.1	81.4	82.8	84.7	86.0	87.3	87.7	87.9	88.2	88.3	89.5
52.1	59.9	69.3	76.3	79.1	82.5	84.0	85.9	87.1	88.5	88.9	89.1	89.4	89.5	90.6
52.2	60.1	69.6	75.9	79.8	83.8	85.5	87.3	88.7	90.1	90.4	90.6	91.0	91.0	92.2
52.4	60.3	70.0	77.5	80.5	84.9	86.7	88.6	90.1	91.3	91.9	92.1	92.4	92.4	93.6
52.4	60.4	70.3	77.8	81.0	85.6	87.9	90.0	91.7	93.0	93.4	93.6	93.9	94.0	95.2
52.3	60.5	70.4	78.3	81.6	86.5	89.9	91.1	93.2	94.8	95.3	95.5	95.9	95.9	97.1
52.3	60.5	70.4	78.4	81.4	86.8	89.3	91.5	93.7	95.3	95.7	95.9	96.3	96.4	97.6
52.3	60.5	70.4	78.4	82.0	87.0	89.5	91.8	93.9	95.7	96.2	96.4	97.0	97.0	98.2
52.3	60.5	70.4	78.4	82.0	87.0	89.5	91.8	94.0	95.8	96.4	96.6	97.3	97.4	98.6
52.3	60.5	70.4	78.4	82.0	87.0	89.5	91.8	94.0	95.8	96.4	96.6	97.4	97.4	98.6
52.3	60.5	70.4	78.4	82.0	87.0	89.5	91.8	94.0	95.8	96.4	96.6	97.4	97.4	98.6

TOTAL NUMBER OF OBSERVATIONS

154



AD-A087 821

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC P/O 4/2  
SENBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC(U)  
SEP 74

UNCLASSIFIED

USAFETAC/DS-80/061

NL

3-5

The table consists of 10 columns and 15 rows. The top row is mostly blacked out, with the first cell containing the handwritten number '3-5'. The remaining 14 rows are also blacked out, leaving only the grid lines visible. The grid is contained within a rectangular frame.

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

34-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1-1000	23.5	24.4	26.0	26.3	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
2-1000	31.4	32.6	34.4	34.9	35.0	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
1-400	31.5	32.7	34.6	35.0	35.2	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
2-400	32.1	33.3	35.2	35.6	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
1-200	34.8	36.3	38.4	38.9	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
2-200	35.6	37.3	39.5	40.0	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
1-100	37.8	39.6	42.2	42.8	42.9	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2-100	39.1	41.1	43.9	44.6	44.7	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
1-500	41.3	43.8	46.7	47.3	47.4	47.7	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
2-500	43.6	46.1	49.1	49.8	50.0	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
1-450	46.3	48.8	51.9	52.6	52.8	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
2-450	50.3	53.3	56.4	57.3	57.5	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
1-350	53.3	56.5	59.6	60.6	60.8	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
2-350	61.3	64.8	68.4	69.3	69.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
1-250	67.6	71.7	75.3	76.3	77.1	77.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2-250	71.9	76.6	81.2	82.3	83.1	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
1-180	73.6	78.3	83.0	84.2	85.0	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
2-180	73.3	78.9	83.6	84.8	85.6	86.0	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
1-150	75.1	80.1	84.8	86.0	86.8	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
2-150	78.1	84.1	89.3	90.2	91.2	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
1-120	78.9	85.4	91.9	92.0	93.3	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2-120	78.9	85.4	91.9	92.0	93.3	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1-90	78.9	85.3	92.1	94.3	95.6	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2-90	79.1	85.8	92.7	95.1	96.5	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1-70	79.1	86.0	92.9	95.3	96.9	97.1	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
2-70	79.1	86.0	92.9	95.3	96.9	97.1	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
1-500	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2-500	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1-400	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2-400	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1-300	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2-300	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1-200	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2-200	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1-100	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2-100	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1-0	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2-0	79.1	86.0	93.0	95.6	97.1	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

1599



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

3072

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-1700

		26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
1	1000	26.1	27.5	28.1	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	
2	900	37.2	38.8	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
3	800	37.5	39.1	39.8	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
4	700	37.5	39.1	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
5	600	37.7	39.4	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
6	500	38.8	40.8	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
7	400	40.7	42.8	43.1	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
8	300	41.8	43.8	44.3	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
9	200	43.8	45.7	46.3	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
10	100	47.0	49.1	49.9	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
11	0	50.3	52.7	53.3	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
12	1000	54.4	57.0	57.9	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
13	900	58.9	59.7	60.9	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
14	800	61.9	65.0	66.3	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
15	700	66.6	70.0	71.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
16	600	72.4	76.1	78.1	79.2	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
17	500	73.8	79.7	82.0	83.2	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
18	400	79.4	84.0	86.8	88.2	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
19	300	80.0	84.8	87.7	89.2	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
20	200	81.8	86.8	90.1	91.8	92.6	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
21	100	83.3	88.8	92.3	94.6	95.3	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
22	0	83.7	89.4	93.6	95.7	96.6	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
23	1000	83.7	89.4	93.6	95.8	96.9	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
24	900	83.9	89.8	94.0	96.4	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
25	800	84.0	90.0	94.4	96.8	98.2	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
26	700	84.0	90.0	94.4	96.8	98.2	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
27	600	84.0	90.0	94.4	97.0	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
28	500	84.0	90.0	94.4	97.0	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
29	400	84.0	90.0	94.4	97.0	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
30	300	84.0	90.0	94.4	97.0	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
31	200	84.0	90.0	94.4	97.0	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32	100	84.0	90.0	94.4	97.0	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33	0	84.0	90.0	94.4	97.0	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

3542

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 REMBACH AB GERMANY

34-08-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

CEILING	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	45	50	60	70	80	90	100	U		
1-1000	30.2	31.2	32.3	32.7	33.2	33.6	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5		
1-1000	42.1	44.8	45.9	47.0	47.4	47.7	47.8	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	
1-1000	42.3	44.8	46.0	47.2	47.6	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
1-400	42.6	43.1	46.3	47.6	47.9	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
1-400	43.4	46.2	47.4	48.6	49.0	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
1-1000	45.2	48.0	49.4	50.6	51.1	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
1-1000	46.5	49.3	50.9	52.1	52.6	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
1-1000	49.6	52.6	54.1	55.4	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
1-1000	55.0	58.2	59.7	61.4	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
1-1000	58.8	62.2	63.8	65.3	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
1-1000	61.9	65.2	67.3	69.1	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
1-400	64.2	67.9	69.9	71.7	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
1-400	66.5	70.9	72.7	74.7	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
1-1500	69.6	74.2	76.2	78.2	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
1-1000	73.0	78.0	80.3	82.8	83.9	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1-2500	76.4	81.0	84.3	86.8	88.0	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
1-2000	78.0	83.7	86.7	89.2	90.8	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
1-800	78.6	84.3	87.6	90.1	91.4	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1-1500	79.4	85.2	88.8	91.7	93.2	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1-1000	79.9	86.5	90.2	93.3	94.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1-1000	80.1	86.9	90.7	94.4	95.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1-900	80.1	86.9	91.0	94.7	96.4	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
1-800	80.1	86.9	91.1	94.9	96.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
1-700	80.1	87.0	91.3	95.0	97.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1-600	80.1	87.0	91.3	95.0	97.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1-500	80.1	87.0	91.3	95.0	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1-400	80.1	87.0	91.3	95.0	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1-300	80.1	87.0	91.3	95.0	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1-200	80.1	87.0	91.3	95.0	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1-100	80.1	87.0	91.3	95.0	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1-U	80.1	87.0	91.3	95.0	97.7	98.7	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

1881

1  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

94086      SENBACH AB GERMANY

24-68

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET		VISIBILITY STATUTE MILES														
		10	26	25	24	23	22	21	20	19	18	17	16	15	14	13
2	25000	39.1	48.1	48.0	46.4	47.0	47.3	47.3	47.0	47.7	47.8	47.8	47.8	47.8	47.8	47.8
2	20000	44.3	48.2	52.3	54.0	54.7	55.0	55.3	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6
2	15000	44.3	48.2	52.3	54.0	54.7	55.0	55.3	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6
2	10000	44.3	48.2	52.4	54.1	54.7	55.1	55.3	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7
2	7500	45.8	49.3	53.6	55.2	55.9	56.2	56.5	56.6	56.7	56.8	56.9	56.9	56.9	56.9	56.9
2	5000	46.7	50.3	54.6	56.3	57.0	57.6	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1
2	2500	48.4	52.1	56.3	58.0	58.8	59.4	59.6	59.7	59.9	59.9	60.0	60.0	60.0	60.0	60.0
2	1500	51.0	54.9	59.1	61.0	61.9	62.7	62.9	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3
2	1000	53.9	60.1	64.4	66.3	67.4	68.1	68.4	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7
2	750	59.3	65.9	68.4	70.7	71.8	72.7	72.9	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3
2	500	62.6	67.9	71.6	74.1	75.3	76.2	76.4	76.6	76.7	76.9	77.0	77.0	77.0	77.0	77.0
2	450	63.2	67.9	72.6	75.3	76.7	77.6	77.9	78.0	78.1	78.3	78.4	78.4	78.4	78.4	78.4
2	400	63.0	70.0	73.4	76.9	80.1	81.3	81.5	81.6	81.8	81.9	82.0	82.0	82.0	82.0	82.0
2	350	66.9	73.0	77.8	81.3	83.0	84.2	84.4	84.6	84.7	84.9	85.0	85.0	85.0	85.0	85.0
2	300	68.1	73.4	79.3	82.4	83.2	86.4	86.7	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2
2	250	69.4	73.0	81.3	83.3	87.2	88.4	88.7	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2
2	200	70.1	73.1	82.6	86.6	88.7	90.1	90.3	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8
2	180	70.4	73.3	83.3	87.4	89.3	91.0	91.3	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8
2	150	71.2	77.6	84.9	89.3	91.4	92.0	92.3	92.3	92.6	92.8	92.9	92.9	92.9	92.9	92.9
2	120	71.8	78.9	86.7	91.3	93.6	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	100	72.1	79.0	87.3	92.3	94.6	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	90	72.1	79.0	87.7	93.0	93.1	93.0	93.3	93.4	93.6	93.7	93.8	93.8	93.8	93.8	93.8
2	80	72.1	79.0	87.7	93.0	93.6	93.9	93.1	93.3	93.6	93.7	93.8	93.8	93.8	93.8	93.8
2	70	72.1	79.0	87.9	93.0	93.9	93.2	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	60	72.1	79.7	87.9	93.0	93.9	93.2	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	50	72.1	79.7	87.9	93.0	94.0	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	40	72.1	79.7	87.9	93.0	94.1	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	30	72.1	79.7	87.9	93.0	94.1	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	20	72.1	79.7	87.9	93.0	94.1	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	10	72.1	79.7	87.9	93.0	94.1	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1
2	0	72.1	79.7	87.9	93.0	94.1	93.3	93.6	93.7	93.9	94.0	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS

3850

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

3400071

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	
≥1000	42.9	46.9	48.7	50.7	51.5	52.3	52.4	52.5	52.7	52.9	52.9	53.1	53.1	53.1	53.6
≥800	46.6	50.9	53.2	55.6	56.4	57.2	57.3	57.4	57.6	57.9	58.1	58.1	58.1	58.1	58.6
≥600	46.6	50.9	53.2	55.6	56.4	57.2	57.3	57.4	57.6	57.9	58.1	58.1	58.1	58.1	58.6
≥400	46.8	51.0	53.4	55.8	56.6	57.4	57.4	57.6	57.8	58.0	58.0	58.2	58.3	58.3	58.9
≥200	47.9	52.4	54.7	57.1	58.0	58.9	58.9	59.1	59.3	59.5	59.5	59.7	59.8	59.8	60.5
≥100	48.8	53.2	55.6	58.1	58.9	59.8	59.9	60.0	60.2	60.4	60.4	60.6	60.7	60.8	61.5
≥80	51.3	56.1	58.6	61.1	61.9	62.8	62.9	63.0	63.2	63.4	63.4	63.6	63.7	63.8	64.5
≥60	54.9	59.8	62.6	65.2	66.1	67.0	67.1	67.2	67.4	67.6	67.6	67.9	67.9	68.0	68.7
≥40	59.4	64.7	68.0	71.4	72.3	73.2	73.3	73.5	73.8	74.0	74.0	74.2	74.4	74.4	75.2
≥20	62.3	67.9	71.4	74.9	75.8	76.7	76.8	77.0	77.4	77.6	77.6	77.8	77.9	78.0	78.8
≥10	64.4	70.6	74.5	78.3	79.6	80.5	80.6	80.8	81.1	81.4	81.4	81.6	81.7	81.8	82.6
≥5	65.9	72.4	76.4	80.3	81.6	82.5	82.6	82.8	83.1	83.4	83.4	83.6	83.7	83.8	84.6
≥3	67.1	73.8	78.1	82.2	83.7	84.8	84.9	85.1	85.3	85.7	85.7	85.9	86.1	86.1	86.9
≥2	68.1	75.1	79.6	83.8	85.3	86.4	86.4	86.7	87.1	87.3	87.3	87.5	87.6	87.7	88.5
≥1.5	69.2	76.1	80.7	85.0	86.6	87.7	87.8	88.1	88.4	88.6	88.6	88.9	89.0	89.1	89.9
≥1	69.6	76.8	81.6	85.9	87.6	88.7	88.8	89.1	89.4	89.6	89.6	89.9	90.0	90.1	90.9
≥0.75	70.5	78.1	83.0	87.5	89.4	90.5	90.6	90.9	91.2	91.4	91.4	91.6	91.8	91.9	92.7
≥0.5	70.9	78.6	83.6	88.1	90.0	91.1	91.2	91.5	91.9	92.1	92.1	92.3	92.4	92.5	93.4
≥0.25	71.6	79.3	84.6	89.2	91.1	92.3	92.4	92.7	93.1	93.3	93.3	93.5	93.6	93.7	94.6
≥0.15	71.9	80.1	85.0	90.0	92.0	93.1	93.2	93.5	93.9	94.1	94.1	94.3	94.4	94.5	95.4
≥0.1	72.3	80.5	85.4	91.4	93.4	94.7	94.9	95.2	95.6	95.9	95.9	96.1	96.2	96.3	97.2
≥0.075	72.4	80.7	86.6	91.9	93.9	95.3	95.5	95.8	96.1	96.4	96.4	96.6	96.8	96.9	97.8
≥0.05	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.025	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.015	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.01	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.0075	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.005	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.0025	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.0015	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.001	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.00075	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.0005	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.00025	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.00015	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.0001	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.000075	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.00005	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.000025	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.000015	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥0.00001	72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4

TOTAL NUMBER OF OBSERVATIONS

4470

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SENBACH AB GERMANY

54-72

LAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0800-0800

CEILING FEET	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
10000	32.8	30.1	38.2	40.2	41.0	42.5	48.9	43.3	49.0	44.2	44.3	44.5	44.7	44.7	45.5													
9000	36.0	39.0	42.1	44.3	45.1	46.7	47.3	47.7	48.0	48.6	48.7	49.0	49.2	49.2	50.1													
8000	36.0	39.0	42.1	44.3	45.1	46.7	47.3	47.7	48.0	48.6	48.7	49.0	49.2	49.2	50.1													
7000	36.0	39.0	42.1	44.3	45.1	46.7	47.3	47.7	48.0	48.6	48.7	49.0	49.2	49.2	50.1													
6000	37.7	41.8	44.0	46.4	47.2	48.8	49.9	50.2	50.8	51.1	51.4	51.8	51.8	52.7														
5000	39.3	42.2	46.0	46.4	49.2	51.0	51.0	52.0	52.2	52.9	53.2	53.5	53.9	53.9	54.8													
4000	42.1	46.3	48.2	51.9	52.7	54.0	55.2	55.6	56.0	56.7	57.0	57.3	57.7	58.0	58.8													
3000	49.7	54.9	59.0	62.4	63.2	65.3	66.2	66.6	67.1	68.0	68.3	68.6	69.1	69.2	70.2													
2000	51.8	57.5	61.8	65.5	66.6	69.1	69.8	70.2	70.9	71.9	72.2	72.5	73.0	73.1	74.4													
1000	52.3	58.2	62.4	66.6	67.6	70.2	70.9	71.3	72.0	73.0	73.3	73.9	74.0	75.4														
0	52.3	58.2	62.4	66.6	67.6	70.2	70.9	71.3	72.0	73.0	73.3	73.9	74.0	75.4														
9000	54.2	60.3	64.1	70.6	71.0	74.4	75.0	75.3	76.3	77.2	77.5	77.8	78.3	78.4	79.7													
8000	55.4	62.2	66.0	72.7	73.1	76.8	77.0	78.0	78.8	79.8	80.0	80.4	80.8	80.9	82.2													
7000	56.0	63.1	66.9	73.9	74.4	78.2	78.2	79.0	79.9	80.2	81.2	81.5	81.8	82.3	83.4													
6000	57.7	63.1	71.7	75.7	76.2	81.1	82.0	82.6	83.2	84.2	84.5	84.9	85.4	85.9	87.0													
5000	58.0	63.4	72.0	76.9	77.3	81.3	82.3	82.8	83.6	84.5	84.8	85.2	85.6	86.1	87.1													
4000	59.4	67.2	74.0	79.2	80.0	83.8	84.7	85.2	86.0	87.0	87.2	87.6	88.1	88.2	89.6													
3000	60.2	68.4	75.7	81.2	82.3	86.4	87.6	88.1	88.9	89.9	90.2	90.5	90.8	91.0	92.2													
2000	60.9	69.8	77.8	83.1	83.6	88.0	89.1	89.4	90.4	91.2	92.2	92.5	92.8	93.3	94.4													
1000	60.9	69.8	77.8	83.1	83.6	88.0	89.1	89.4	90.4	91.2	92.2	92.5	92.8	93.3	94.4													
0	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
9000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
8000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
7000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
6000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
5000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
4000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
3000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
2000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
1000	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													
0	61.0	70.0	78.0	84.5	87.5	91.2	92.2	92.1	94.1	95.1	95.2	95.7	96.0	96.3	97.1													

TOTAL NUMBER OF OBSERVATIONS

1462

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34080 SEMBACH AB GERMANY

8472

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0600-0800

CEILING	1000	900	800	700	600	500	400	300	200	100	0				
1000	26.2	29.4	31.6	32.9	34.1	35.2	35.7	35.8	36.1	36.3	36.4	36.6	36.7	36.7	37.3
900	31.7	32.8	32.9	32.8	31.0	28.9	28.0	28.2	29.7	34.1	34.2	34.6	34.6	34.6	35.2
800	31.7	32.7	32.1	30.0	28.2	26.9	26.8	26.8	28.1	32.4	32.4	32.8	32.8	32.8	33.5
700	31.8	32.7	32.2	30.1	28.3	27.0	26.4	26.4	27.7	32.1	32.1	32.5	32.5	32.5	33.2
600	32.0	32.9	32.4	30.3	28.5	27.2	26.6	26.6	27.9	32.4	32.4	32.8	32.8	32.8	33.5
500	32.5	33.4	32.9	30.8	29.0	27.7	27.1	27.1	28.4	32.7	32.7	33.1	33.1	33.1	33.8
400	34.3	35.2	34.7	32.6	30.8	29.5	28.9	28.9	30.2	34.5	34.5	34.9	34.9	34.9	35.6
300	36.3	37.2	36.7	34.6	32.8	31.5	30.9	30.9	32.2	36.4	36.4	36.8	36.8	36.8	37.5
200	39.3	40.2	39.7	37.6	35.8	34.5	33.9	33.9	35.2	39.3	39.3	39.7	39.7	39.7	40.4
100	42.2	43.1	42.6	40.5	38.7	37.4	36.8	36.8	38.1	42.2	42.2	42.6	42.6	42.6	43.3
0	44.8	45.7	45.2	43.1	41.3	40.0	39.4	39.4	40.7	44.8	44.8	45.2	45.2	45.2	45.9
1000	46.8	47.7	47.2	45.1	43.3	42.0	41.4	41.4	42.7	46.8	46.8	47.2	47.2	47.2	47.9
900	47.2	48.1	47.6	45.5	43.7	42.4	41.8	41.8	43.1	47.2	47.2	47.6	47.6	47.6	48.3
800	48.6	49.5	49.0	46.9	45.1	43.8	43.2	43.2	44.5	48.6	48.6	49.0	49.0	49.0	49.7
700	49.7	50.6	50.1	48.0	46.2	44.9	44.3	44.3	45.6	49.7	49.7	50.1	50.1	50.1	50.8
600	51.8	52.7	52.2	50.1	48.3	47.0	46.4	46.4	47.7	51.8	51.8	52.2	52.2	52.2	52.9
500	53.1	54.0	53.5	51.4	49.6	48.3	47.7	47.7	49.0	53.1	53.1	53.5	53.5	53.5	54.2
400	54.4	55.3	54.8	53.1	51.3	50.0	49.4	49.4	50.7	54.4	54.4	54.8	54.8	54.8	55.5
300	55.2	56.1	55.6	53.9	52.1	50.8	50.2	50.2	51.5	55.2	55.2	55.6	55.6	55.6	56.3
200	56.9	57.8	57.3	55.6	53.8	52.5	51.9	51.9	53.2	56.9	56.9	57.3	57.3	57.3	58.0
100	58.0	58.9	58.4	56.7	54.9	53.6	53.0	53.0	54.3	58.0	58.0	58.4	58.4	58.4	59.1
0	59.1	60.0	59.5	57.8	56.0	54.7	54.1	54.1	55.4	59.1	59.1	59.5	59.5	59.5	60.2
1000	59.3	60.2	59.7	58.0	56.2	54.9	54.3	54.3	55.6	59.3	59.3	59.7	59.7	59.7	60.4
900	59.9	60.8	60.3	58.6	56.8	55.5	54.9	54.9	56.2	59.9	59.9	60.3	60.3	60.3	61.0
800	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
700	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
600	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
500	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
400	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
300	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
200	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
100	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7
0	59.6	60.5	60.0	58.3	56.5	55.2	54.6	54.6	55.9	59.6	59.6	60.0	60.0	60.0	60.7

TOTAL NUMBER OF OBSERVATIONS

1582

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34950 SENBACH AB GERMANY

54-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-1100

		20	21	24	23	22	20	2	21	2	21	2	21	2	21	2
10000	CEILING	29.3	31.3	32.5	33.3	33.5	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.9	33.9
	VISIBILITY	36.9	39.3	40.9	42.0	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8
8000	CEILING	37.0	39.4	41.0	42.1	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9
	VISIBILITY	37.0	39.4	41.0	42.1	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9
6000	CEILING	37.0	39.6	41.1	42.3	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9
	VISIBILITY	37.6	40.3	41.8	43.0	43.4	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
4000	CEILING	39.4	42.1	43.4	44.9	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7
	VISIBILITY	41.0	43.8	45.8	47.0	47.4	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
2000	CEILING	43.6	46.8	48.4	50.1	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
	VISIBILITY	45.4	49.2	51.8	53.1	53.6	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
1000	CEILING	47.2	51.1	53.8	55.2	55.7	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2
	VISIBILITY	48.7	52.6	55.7	57.2	57.7	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3
500	CEILING	49.9	54.0	57.2	58.8	59.3	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
	VISIBILITY	51.2	55.4	58.9	60.6	61.1	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
300	CEILING	54.3	58.7	62.6	64.4	64.9	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
	VISIBILITY	55.9	60.4	64.2	66.2	66.7	67.0	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
200	CEILING	64.0	69.2	73.4	75.3	76.0	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2
	VISIBILITY	69.0	74.8	79.4	81.3	82.1	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3
100	CEILING	70.7	77.0	81.7	83.9	84.4	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
	VISIBILITY	72.6	79.5	84.7	87.0	87.6	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
50	CEILING	74.6	82.3	86.6	89.6	90.3	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6
	VISIBILITY	75.6	83.9	89.2	92.8	93.5	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
30	CEILING	75.9	84.4	88.3	91.0	91.8	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	VISIBILITY	76.1	84.8	89.1	92.9	93.6	94.1	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
20	CEILING	76.1	84.9	88.2	90.2	91.0	91.9	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	VISIBILITY	76.1	84.9	88.2	90.2	91.0	91.9	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
10	CEILING	76.1	84.9	88.2	90.2	91.0	91.9	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	VISIBILITY	76.2	85.0	88.3	90.3	91.1	92.0	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
5	CEILING	76.2	85.0	88.3	90.3	91.1	92.0	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	VISIBILITY	76.2	85.0	88.3	90.3	91.1	92.0	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
1	CEILING	76.2	85.0	88.3	90.3	91.1	92.0	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	VISIBILITY	76.2	85.0	88.3	90.3	91.1	92.0	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5

TOTAL NUMBER OF OBSERVATIONS

1392

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34090 SEMBACH AB GERMANY

8472

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

CEILING	0	100	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2400	3000	3600	4800	6000	8000	10000	UNKN
0	27.1	28.1	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
100	26.7	27.8	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
200	26.9	28.0	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
300	26.9	28.0	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
400	27.2	28.4	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
500	28.9	40.2	41.0	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
600	40.3	41.5	42.6	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
700	43.2	44.8	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
800	46.4	48.2	49.2	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
900	49.7	51.3	52.6	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
1000	53.2	55.0	56.4	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
1200	55.7	57.6	59.0	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
1400	60.9	62.0	64.3	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
1600	65.4	67.9	69.7	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
1800	73.0	76.7	78.8	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
2000	79.9	83.3	85.6	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
2400	85.0	88.7	91.0	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
3000	88.9	89.7	92.1	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
3600	86.8	90.8	92.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
4800	88.0	92.8	93.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
6000	88.3	92.2	96.3	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
8000	88.8	93.4	96.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
10000	88.8	93.7	97.0	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
UNKN	88.9	93.9	97.3	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0-500	88.9	93.9	97.3	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500-1000	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000-2000	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2000-3000	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3000-4800	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
4800-6000	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
6000-8000	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
8000-10000	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
UNKN	88.9	94.0	97.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1879



1 DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

34-72

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

28.5	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
40.5	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.5	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.6	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.9	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
43.8	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
45.3	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	46.5
49.8	50.9	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
55.7	56.8	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
59.7	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
64.8	66.2	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
67.8	69.2	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
72.9	74.7	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
77.4	79.2	80.3	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
82.8	84.7	86.0	86.8	86.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
86.9	88.9	90.2	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
89.8	92.2	93.8	94.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
90.6	93.0	94.6	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
91.3	93.8	95.6	96.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
92.1	94.9	97.0	98.0	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
92.2	95.1	97.1	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
92.3	95.2	97.3	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
92.3	95.2	97.4	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
92.3	95.2	97.4	98.9	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

1577

1  
DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

54-06271

JAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

32.4	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
50.3	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
50.4	50.4	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
51.9	51.1	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
53.0	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
56.2	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
62.6	63.4	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
69.1	70.4	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
72.9	74.1	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
76.6	78.5	79.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
78.7	80.1	81.1	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
81.2	83.1	84.2	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
83.5	85.6	86.7	87.5	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
86.3	88.7	89.8	90.5	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
89.3	92.1	93.3	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
91.6	93.3	93.1	94.3	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
91.1	94.1	96.1	97.3	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
91.4	94.6	96.9	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.3	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

1300

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

84056 WEIMACH AB GERMANY

34-68771

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

40.8	43.2	44.5	44.8	45.1	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4
51.1	52.9	55.6	55.9	56.2	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1
51.1	52.9	55.6	55.9	56.2	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1
51.4	54.1	55.9	56.2	56.6	56.9	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.4
52.6	55.4	57.2	57.6	57.9	58.2	58.2	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7
53.6	56.4	58.2	58.9	59.2	59.6	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	60.0
55.9	59.0	60.7	61.4	61.8	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6
59.4	62.9	65.2	66.0	66.5	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.3
63.7	66.1	70.8	72.0	72.9	73.0	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3
67.3	72.1	75.0	76.5	77.0	77.5	77.5	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0
70.2	75.6	79.0	80.7	81.3	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.3
72.3	77.9	81.3	82.2	83.8	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.9
74.5	80.5	84.0	86.1	86.8	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	88.0
76.3	82.5	86.2	88.3	89.1	89.7	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.2
77.5	84.1	88.0	90.3	91.0	91.6	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.3
78.8	85.7	89.7	92.1	92.8	93.6	93.7	93.8	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.2
79.5	86.6	90.7	93.4	94.2	95.0	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6
79.8	87.0	91.3	94.1	94.8	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.3
80.3	87.6	92.3	95.1	96.0	96.9	97.1	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.6
80.5	87.9	93.0	96.1	97.0	97.9	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.6
80.5	88.0	93.1	96.2	97.1	98.2	98.4	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.1
80.5	88.0	93.1	96.3	97.2	98.4	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.2
80.5	88.0	93.1	96.4	97.3	98.7	98.8	98.9	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.6
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.8
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.9
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.9
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.9
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.9
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1398

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

34-68

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

1000	42.1	45.0	47.7	49.4	50.0	50.6	50.7	51.0	51.4	51.8	51.8	52.0	52.1	52.1	52.6
900	46.7	50.0	53.3	55.4	56.0	56.6	56.8	57.1	57.5	58.0	58.0	58.1	58.3	58.3	58.7
800	46.8	50.0	53.4	55.5	56.1	56.7	56.9	57.2	57.6	58.0	58.0	58.2	58.3	58.3	58.8
700	46.8	50.1	53.4	55.7	56.3	56.9	57.0	57.3	57.7	58.2	58.2	58.3	58.3	58.3	58.9
600	47.4	50.8	54.2	56.4	57.0	57.7	57.8	58.1	58.6	59.0	59.0	59.2	59.2	59.2	59.7
500	49.3	52.9	56.4	58.6	59.3	60.1	60.3	60.6	61.0	61.5	61.5	61.6	61.7	61.7	62.2
400	52.2	56.0	59.7	62.0	62.6	63.3	63.6	63.9	64.3	64.8	64.8	64.9	65.1	65.1	65.5
300	53.7	60.0	64.3	66.9	68.1	68.9	69.1	69.4	69.8	70.3	70.3	70.4	70.6	70.6	71.0
200	59.1	63.7	68.6	71.2	72.3	73.2	73.4	73.7	74.1	74.6	74.6	74.7	74.9	74.9	75.3
100	61.2	66.3	71.7	74.7	76.0	76.9	77.0	77.3	77.8	78.2	78.2	78.4	78.5	78.5	78.9
50	63.2	68.7	74.2	77.3	78.7	79.6	79.8	80.2	80.8	81.3	81.3	81.3	81.6	81.6	82.1
30	64.3	70.1	75.6	78.7	80.1	81.1	81.2	81.7	82.3	82.9	82.9	83.0	83.2	83.2	83.7
20	65.3	71.4	77.1	80.3	81.8	82.0	82.2	82.7	83.3	83.9	83.9	84.1	84.2	84.2	84.8
10	66.3	72.3	78.1	81.6	83.0	84.1	84.4	84.8	85.4	86.1	86.1	86.2	86.4	86.4	86.9
5	67.1	73.4	79.4	82.0	84.4	85.3	85.8	86.3	86.9	87.5	87.5	87.7	87.8	87.8	88.5
3	67.3	73.6	79.8	83.3	84.9	86.1	86.6	87.0	87.6	88.3	88.3	88.3	88.7	88.7	89.3
2	68.3	73.6	81.3	83.3	87.0	88.3	88.7	89.2	89.8	90.4	90.4	90.7	90.8	90.8	91.3
1	68.9	76.0	82.4	86.1	87.6	89.0	89.5	90.0	90.6	91.3	91.3	91.3	91.7	91.7	92.4
0.5	69.4	76.8	83.4	87.3	88.9	90.4	90.9	91.4	92.0	92.7	92.7	93.0	93.1	93.1	93.8
0.2	69.9	77.3	83.9	87.9	89.7	91.3	91.9	92.4	93.2	94.1	94.1	94.3	94.4	94.4	95.1
0.1	69.9	77.3	84.4	88.4	90.4	92.1	92.7	93.2	94.1	94.8	94.8	95.0	95.2	95.2	95.8
0.05	69.9	77.3	84.6	88.7	90.6	92.4	92.9	93.3	94.3	95.2	95.2	95.6	95.7	95.7	96.4
0.02	69.9	77.3	84.7	88.9	90.9	92.9	93.3	93.9	95.0	95.9	95.9	96.1	96.3	96.3	97.0
0.01	70.1	77.5	85.0	89.2	91.2	93.3	93.7	94.3	95.3	96.3	96.3	96.3	96.7	96.7	97.3
0.005	70.1	77.5	85.0	89.2	91.4	93.6	94.1	94.7	95.7	96.7	96.7	96.9	97.0	97.0	97.7
0.002	70.1	77.5	85.2	89.7	91.9	94.4	94.9	95.3	96.4	97.4	97.4	97.8	97.8	97.8	98.6
0.001	70.1	77.5	85.2	89.8	92.1	94.7	95.3	95.8	97.0	97.9	97.9	98.1	98.3	98.3	99.0
0.0005	70.1	77.5	85.2	89.8	92.1	94.7	95.5	96.1	97.3	98.3	98.3	98.5	98.7	98.7	99.3
0.0002	70.1	77.5	85.2	89.8	92.1	94.8	95.5	96.1	97.3	98.4	98.4	98.7	98.9	98.9	99.8
0.0001	70.1	77.5	85.2	89.8	92.1	94.8	95.5	96.1	97.3	98.4	98.4	98.7	99.0	99.0	100.0
0.00005	70.1	77.5	85.2	89.8	92.1	94.8	95.5	96.1	97.3	98.4	98.4	98.7	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1349

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

5-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0300-0500

31.2	34.5	37.2	39.8	40.6	41.8	42.4	42.8	43.6	44.1	44.3	44.8	45.3	45.5	46.5
35.3	39.5	42.6	45.9	46.7	48.4	49.4	49.8	50.8	51.3	51.5	51.9	52.3	52.8	53.8
35.3	39.6	42.7	46.0	46.8	48.5	49.5	49.9	50.9	51.4	51.6	52.1	52.6	52.9	53.9
35.6	39.8	43.0	46.2	47.1	48.9	49.9	50.3	51.3	51.8	52.0	52.4	53.0	53.2	54.2
36.3	40.6	43.8	47.2	48.1	49.9	50.9	51.3	52.3	52.8	53.0	53.5	54.0	54.2	55.2
37.7	42.2	45.4	48.6	49.5	51.7	52.8	53.3	54.2	54.7	55.0	55.4	55.9	56.2	57.2
39.7	44.9	48.2	51.8	52.8	54.7	55.8	56.3	57.3	57.8	58.0	58.4	59.0	59.2	60.2
43.6	49.0	52.3	56.4	57.8	60.0	61.0	61.6	62.6	63.2	63.4	63.9	64.4	64.7	65.7
46.7	52.7	56.8	61.3	63.0	65.3	66.4	67.1	68.1	68.7	68.9	69.4	70.0	70.2	71.2
48.9	55.4	59.7	64.3	66.1	68.5	69.6	70.3	71.4	72.0	72.2	72.7	73.2	73.5	74.7
50.5	57.2	62.2	67.1	69.0	71.6	72.6	73.2	74.4	75.0	75.2	75.8	76.4	76.7	78.0
51.6	57.9	63.0	68.0	69.9	72.5	73.5	74.2	75.4	76.0	76.2	76.8	77.4	77.7	79.0
51.6	58.6	64.1	69.4	71.4	74.0	75.2	75.8	77.1	77.8	78.0	78.7	79.2	79.5	80.8
51.9	59.1	64.7	70.1	72.1	74.9	76.1	76.8	78.0	78.8	79.0	79.6	80.2	80.5	81.8
52.8	60.0	65.8	71.3	73.3	76.2	77.5	78.3	79.5	80.2	80.5	81.1	81.7	82.0	83.3
53.8	61.3	67.4	72.9	75.1	78.1	79.5	80.3	81.6	82.4	82.6	83.2	83.8	84.1	85.7
54.8	62.4	68.7	74.4	76.6	79.7	81.1	81.9	83.1	83.9	84.1	84.8	85.3	85.7	87.2
55.4	63.0	69.3	75.1	77.3	80.4	81.9	82.6	83.9	84.7	84.9	85.6	86.1	86.5	88.0
56.1	64.2	70.7	76.6	78.8	81.9	83.4	84.2	85.5	86.3	86.5	87.1	87.7	88.0	89.6
57.2	65.4	72.2	78.2	80.7	84.0	85.5	86.3	87.5	88.3	88.5	89.2	89.7	90.1	91.6
57.6	66.1	73.1	79.2	81.9	85.2	86.8	87.6	88.9	89.7	89.9	90.6	91.1	91.5	93.1
57.7	66.1	73.2	79.3	82.2	85.5	87.1	88.0	89.3	90.2	90.4	91.0	91.6	91.9	93.5
57.8	66.4	73.7	80.3	83.1	86.6	88.2	89.2	90.5	91.4	91.6	92.2	92.8	93.1	94.7
57.8	66.4	73.9	80.6	83.4	87.0	88.7	89.6	91.0	91.9	92.1	92.7	93.3	93.6	95.2
57.8	66.4	74.1	80.9	83.6	87.3	89.1	90.1	91.6	92.4	92.6	93.2	93.8	94.2	95.8
57.8	66.4	74.2	80.9	83.9	87.7	89.6	90.7	92.2	93.2	93.4	94.1	94.6	95.0	96.5
57.8	66.4	74.2	81.2	84.1	88.0	89.8	90.9	92.6	93.6	93.9	94.5	95.1	95.5	97.2
57.8	66.4	74.2	81.2	84.2	88.2	90.2	91.2	93.1	94.3	94.5	95.2	95.8	96.1	97.8
57.8	66.4	74.2	81.2	84.2	88.3	90.2	91.2	93.3	94.7	94.9	95.6	96.2	96.5	98.2
57.8	66.4	74.2	81.2	84.2	88.3	90.2	91.2	93.4	94.8	95.0	95.7	96.3	96.6	98.3
57.8	66.4	74.2	81.2	84.2	88.3	90.2	91.2	93.4	94.8	95.0	95.7	96.3	96.6	98.3

TOTAL NUMBER OF OBSERVATIONS

1412

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

34956 SEMBACH AB GERMANY

26-72

114

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

5409-0803

	23	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0			
M 2000	29.2	31.0	33.5	36.5	37.2	37.8	38.5	39.2	39.6	39.9	40.0	40.2	40.5	40.5	40.5	40.7															
M 1800	32.9	28.1	29.0	42.0	43.6	44.5	45.5	46.2	46.7	47.2	47.2	47.3	47.8	47.8	47.8	48.0															
M 1600	33.0	30.2	29.1	42.7	43.6	44.8	45.9	46.3	46.8	47.2	47.4	47.6	47.9	47.9	47.9	48.1															
M 1400	35.2	35.5	39.4	43.0	44.3	45.5	46.3	46.7	47.2	47.7	47.8	48.0	48.3	48.3	48.3	48.5															
M 1200	34.7	37.4	40.4	44.4	45.2	46.3	47.4	47.8	48.3	48.8	48.9	49.1	49.4	49.4	49.4	49.5															
M 1000	35.5	39.2	42.6	46.3	47.6	48.6	49.7	50.2	50.8	51.2	51.4	51.5	51.9	51.9	51.9	52.1															
M 800	37.5	41.3	44.8	48.7	50.1	51.2	52.3	52.7	53.3	53.7	53.9	54.1	54.4	54.4	54.4	54.6															
M 600	40.2	44.6	48.6	52.6	54.6	55.8	57.2	57.7	58.3	58.8	59.0	59.1	59.3	59.3	59.3	59.7															
M 400	42.5	47.0	51.2	55.7	57.6	58.9	60.4	60.9	61.5	62.0	62.2	62.4	62.8	62.8	62.8	63.2															
M 300	45.4	50.2	54.5	59.5	61.3	62.6	64.1	64.6	65.5	65.9	66.1	66.4	66.8	66.8	66.8	67.0															
M 200	47.2	52.3	57.5	62.9	64.9	66.4	67.8	68.4	69.3	69.6	70.0	70.2	70.7	70.7	70.7	70.9															
M 100	47.5	52.8	58.3	64.0	66.1	67.7	69.1	69.7	70.6	71.1	71.3	71.8	72.0	72.0	72.0	72.4															
M 0	48.8	54.3	60.0	66.2	68.4	70.0	71.3	72.1	73.1	73.5	73.8	74.0	74.5	74.5	74.5	74.9															
M 2500	49.7	55.3	61.1	67.3	69.8	71.6	73.1	73.7	74.8	75.3	75.5	75.8	76.2	76.2	76.6																
M 2000	50.4	56.4	62.3	68.5	71.0	72.8	74.4	75.1	76.4	76.9	77.1	77.3	77.8	77.8	78.2																
M 1800	51.0	57.0	63.1	69.3	72.0	73.8	75.5	76.2	77.4	77.9	78.1	78.4	78.8	78.8	79.2																
M 1600	52.4	58.5	65.1	71.5	74.2	76.2	77.8	78.5	79.7	80.2	80.4	80.7	81.1	81.1	81.5																
M 1400	53.0	59.5	66.0	72.7	75.5	77.4	79.0	79.7	80.9	81.4	81.6	81.9	82.3	82.3	82.7																
M 1200	54.3	61.3	68.2	74.9	77.6	79.7	81.3	82.0	83.2	83.8	84.0	84.3	84.7	84.7	85.1																
M 1000	56.1	64.2	71.3	78.2	81.2	83.3	85.2	85.9	87.2	87.6	88.0	88.3	88.8	88.8	89.2																
M 800	56.4	64.6	72.4	79.7	82.8	85.2	86.9	87.6	88.9	89.5	89.8	90.1	90.5	90.5	90.9																
M 600	56.7	65.0	73.0	80.3	83.6	86.0	87.7	88.4	89.6	90.3	90.5	90.9	91.4	91.4	91.8																
M 400	56.9	65.4	73.7	81.7	84.9	87.5	89.2	89.9	91.3	91.9	92.1	92.5	92.9	92.9	93.3																
M 300	57.0	65.7	74.2	82.6	85.9	88.9	90.9	91.6	93.0	93.6	93.8	94.1	94.6	94.6	95.0																
M 200	57.2	65.9	74.7	83.3	86.6	89.6	91.8	92.5	93.9	94.5	94.8	95.1	95.6	95.6	96.0																
M 100	57.2	66.2	75.5	84.2	87.6	90.7	93.0	93.7	95.2	95.8	96.1	96.5	96.9	96.9	97.3																
M 0	57.2	66.2	75.5	84.2	87.6	90.7	93.0	93.7	95.2	95.8	96.1	96.5	96.9	96.9	97.3																

TOTAL NUMBER OF OBSERVATIONS

1882

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34956 SEMBACH AB GERMANY

84-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-1100

	210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	
1-10000	31.2	33.4	34.9	35.7	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	
1-7000	37.6	40.3	42.2	43.1	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
1-5000	38.0	40.7	42.6	43.5	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
1-4000	38.2	40.9	42.9	43.8	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
1-3000	39.3	42.1	44.1	45.0	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
1-2000	41.1	44.0	46.2	47.1	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
1-1500	43.4	46.3	49.1	50.0	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
1-1000	46.1	49.3	52.3	53.2	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	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
1-700	47.9	51.2	54.6	55.9	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
1-500	49.7	53.4	57.0	58.4	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
1-400	51.8	55.8	59.4	60.9	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1-300	52.4	56.4	60.6	62.1	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
1-200	54.6	58.9	63.4	65.1	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
1-150	57.1	61.7	66.3	68.2	69.2	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
1-100	60.6	65.3	70.3	72.4	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
1-70	64.3	69.4	74.5	76.4	77.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1-50	68.8	74.3	79.9	82.2	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
1-40	70.3	76.1	81.9	84.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
1-30	72.3	78.6	85.1	87.8	89.1	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1-20	74.6	81.0	88.1	91.1	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
1-15	75.3	82.3	90.0	93.2	94.9	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
1-10	75.3	82.7	90.7	94.0	95.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1-7	75.6	82.9	91.1	94.7	96.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
1-5	75.7	83.3	91.6	95.3	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1-3	75.7	83.4	91.9	95.6	97.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
1-2	75.7	83.4	92.0	95.9	97.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1-1	75.7	83.4	92.0	95.9	97.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1-0	75.7	83.4	92.0	95.9	97.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

1554

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY

84-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

1000	25.5	26.1	26.4	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
900	24.7	25.8	26.2	26.5	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
800	24.7	25.9	26.3	26.5	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
700	23.0	25.2	26.7	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
600	26.7	27.9	28.4	28.6	28.8	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
500	28.4	29.6	30.1	30.2	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
400	40.6	41.9	42.3	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
300	43.4	44.7	45.1	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
200	47.2	49.0	49.6	49.9	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
100	50.3	52.1	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
0	54.8	56.4	57.6	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
4500	58.1	60.1	61.3	61.6	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
4000	63.2	65.7	66.9	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
3500	68.9	71.7	73.0	73.3	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
3000	73.9	77.0	80.6	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
2500	80.4	83.3	85.2	85.5	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2000	83.9	87.3	89.4	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
1500	84.4	87.8	90.0	90.7	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1000	86.0	89.9	92.3	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
700	87.1	91.6	94.6	95.3	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
600	87.1	92.3	95.6	96.7	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
500	87.8	92.5	96.2	97.2	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
400	87.8	92.7	96.3	97.4	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
300	88.0	92.8	96.7	97.9	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	88.0	92.8	96.7	98.0	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
100	88.0	92.8	96.7	98.1	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0	88.0	92.8	96.7	98.1	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS

3538



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050      SEMPACH AB GERMANY

8 Jun 72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-1700

26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
39.7	40.1	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
39.8	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
40.0	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
41.6	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
44.3	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
48.9	49.8	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
54.1	55.1	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
58.0	59.0	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
62.2	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
67.1	68.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
70.5	71.4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
74.9	76.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
80.0	81.3	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
85.2	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
87.5	89.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
88.6	90.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
89.3	91.8	93.8	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
90.1	92.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
91.0	93.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
91.3	94.1	96.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
91.3	94.3	97.0	97.9	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
91.4	94.3	97.3	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
91.4	94.3	97.5	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS

1897

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY

84-0071

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1000	32.7	33.7	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
900	46.9	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
800	47.1	48.2	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
700	47.3	48.4	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
600	48.5	49.6	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
500	53.1	54.2	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
400	63.3	65.1	65.8	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
300	68.8	70.8	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
200	73.0	75.0	76.2	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
100	76.4	78.8	79.8	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
0	78.6	80.8	82.3	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
1000	80.9	82.4	83.1	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
900	83.0	85.8	87.4	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
800	85.0	88.7	90.4	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
700	86.8	89.9	91.6	92.7	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
600	87.0	90.9	92.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
500	88.8	91.6	93.8	94.6	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
400	88.7	92.0	94.0	95.1	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
300	89.8	93.4	95.0	96.2	96.8	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
200	89.8	93.4	95.0	96.2	96.8	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
100	89.8	93.4	95.0	96.2	96.8	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	89.8	93.4	95.0	96.2	96.8	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

1338

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

30-08

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2100-2300

1-000	38.6	41.0	42.0	43.0	43.3	43.4	43.4	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.6
1-000	47.7	50.7	52.3	53.7	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
1-000	47.7	50.7	52.3	53.7	54.0	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2
1-000	47.9	50.9	52.4	53.9	54.1	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
1-000	48.0	51.0	52.6	54.0	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6
1-000	48.5	51.7	53.3	54.7	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
1-000	51.2	54.3	56.1	57.8	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4
1-000	55.0	58.0	60.2	61.9	62.1	62.3	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6
1-000	59.9	64.1	68.9	73.8	73.8	73.9	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4
1-000	64.5	69.3	71.1	73.2	73.9	74.1	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4
1-000	67.6	72.7	75.0	77.2	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5
1-000	70.5	75.9	78.5	80.9	81.7	82.0	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5
1-000	71.9	77.5	80.2	82.7	83.6	83.9	84.2	84.4	84.5	84.6	84.6	84.7	84.7	84.7	84.7
1-000	73.1	78.9	81.7	84.6	85.4	85.9	86.1	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5
1-000	74.1	80.1	83.2	86.4	87.2	87.6	87.9	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4
1-000	75.0	81.2	84.7	88.1	89.1	89.6	90.0	90.2	90.3	90.4	90.4	90.5	90.5	90.5	90.5
1-000	76.4	83.0	86.8	90.5	91.6	92.2	92.6	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.1
1-000	77.5	84.3	88.3	92.1	93.2	93.9	94.3	94.5	94.5	94.6	94.7	94.8	94.8	94.8	94.8
1-000	77.6	84.5	88.6	92.4	93.5	94.3	94.7	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.2
1-000	77.6	84.5	89.0	92.8	93.9	94.8	95.3	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8
1-000	77.7	84.6	89.3	93.2	94.3	95.2	95.7	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4
1-000	77.7	84.6	89.3	93.6	94.7	95.6	96.1	96.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2
1-000	77.9	84.8	89.6	93.8	95.0	95.9	96.4	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6
1-000	78.0	84.9	89.6	94.0	95.3	96.2	96.7	97.3	97.5	97.8	97.8	97.8	97.8	97.8	97.8
1-000	78.0	84.9	89.9	94.2	95.5	96.4	97.0	97.5	98.1	98.4	98.4	98.4	98.4	98.4	98.4
1-000	78.0	84.9	89.9	94.3	95.6	96.5	97.1	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5
1-000	78.0	84.9	89.9	94.4	95.7	96.6	97.2	97.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6
1-000	78.0	84.9	89.9	94.4	95.8	96.7	97.3	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7
1-000	78.0	84.9	89.9	94.4	95.9	96.8	97.4	97.9	98.5	98.8	98.8	98.8	98.8	98.8	98.8
1-000	78.0	84.9	89.9	94.4	95.9	96.9	97.5	98.0	98.6	98.9	98.9	98.9	98.9	98.9	98.9
1-000	78.0	84.9	89.9	94.4	95.9	97.0	97.6	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
1-000	78.0	84.9	89.9	94.4	95.9	97.1	97.7	98.2	98.8	99.1	99.1	99.1	99.1	99.1	99.1
1-000	78.0	84.9	89.9	94.4	95.9	97.2	97.8	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2
1-000	78.0	84.9	89.9	94.4	95.9	97.3	97.9	98.4	98.9	99.3	99.3	99.3	99.3	99.3	99.3
1-000	78.0	84.9	89.9	94.4	95.9	97.4	98.0	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4
1-000	78.0	84.9	89.9	94.4	95.9	97.5	98.1	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5
1-000	78.0	84.9	89.9	94.4	95.9	97.6	98.2	98.7	99.2	99.6	99.6	99.6	99.6	99.6	99.6
1-000	78.0	84.9	89.9	94.4	95.9	97.7	98.3	98.8	99.3	99.7	99.7	99.7	99.7	99.7	99.7
1-000	78.0	84.9	89.9	94.4	95.9	97.8	98.4	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8
1-000	78.0	84.9	89.9	94.4	95.9	97.9	98.5	99.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9
1-000	78.0	84.9	89.9	94.4	95.9	98.0	98.6	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.1	98.7	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.2	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.3	98.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.4	99.0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.5	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.6	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.7	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1-000	78.0	84.9	89.9	94.4	95.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1380

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-69,71

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

43.5	46.9	49.1	50.9	51.8	52.9	53.3	53.4	53.6	53.8	53.8	53.8	54.0	54.0	54.3
47.0	50.2	52.0	54.0	55.7	57.3	57.8	57.9	58.2	58.5	58.5	58.5	58.6	58.6	58.9
47.2	50.0	52.1	53.1	53.8	57.0	57.9	58.1	58.2	58.5	58.6	58.6	58.7	58.7	59.1
47.3	50.8	53.2	55.2	55.9	57.0	58.0	58.2	58.5	58.7	58.7	58.7	58.9	58.9	59.2
47.9	51.4	53.9	55.5	56.6	58.2	58.7	58.9	59.1	59.4	59.4	59.4	59.5	59.5	59.8
49.3	53.0	55.6	57.6	58.3	59.9	60.4	60.6	60.8	61.1	61.1	61.1	61.2	61.2	61.5
52.1	55.9	58.7	60.7	61.4	63.0	63.5	63.7	64.0	64.2	64.2	64.2	64.4	64.4	64.7
56.4	60.4	63.3	65.7	66.4	68.2	68.7	68.9	69.2	69.5	69.5	69.5	69.7	69.7	70.0
59.8	64.2	67.4	70.1	70.9	72.7	73.2	73.4	73.7	74.0	74.0	74.0	74.2	74.2	74.5
62.7	67.0	70.7	73.8	74.7	76.5	77.0	77.2	77.5	77.8	77.8	77.8	78.0	78.0	78.3
64.7	69.6	73.4	76.9	77.9	79.9	80.3	80.7	81.0	81.3	81.3	81.3	81.5	81.5	81.8
65.7	70.6	74.8	78.3	79.3	81.0	82.2	82.4	82.7	83.0	83.0	83.0	83.2	83.2	83.5
66.8	71.9	76.2	80.2	81.2	83.0	84.1	84.3	84.7	85.0	85.0	85.0	85.2	85.2	85.5
68.7	74.1	78.7	82.3	83.6	85.5	86.6	86.8	87.2	87.4	87.4	87.4	87.6	87.6	88.0
70.0	75.4	80.0	83.8	85.0	87.4	88.1	88.4	88.8	89.0	89.0	89.0	89.2	89.2	89.5
70.3	75.9	80.3	84.0	85.9	88.2	88.9	89.2	89.7	89.9	89.9	89.9	90.1	90.1	90.3
71.3	77.0	81.7	85.9	87.2	89.5	90.3	90.6	91.1	91.4	91.4	91.4	91.6	91.6	91.9
71.6	77.4	82.0	86.2	87.5	89.9	90.6	91.0	91.4	91.7	91.7	91.7	91.9	91.9	92.2
72.1	78.1	82.9	87.2	88.5	90.9	91.6	92.0	92.3	92.6	92.6	92.6	92.8	92.8	93.1
73.1	79.2	84.0	88.4	89.9	92.4	93.1	93.5	94.0	94.3	94.3	94.3	94.5	94.5	94.8
73.3	79.5	84.3	89.7	91.1	93.7	94.4	94.8	95.3	95.6	95.6	95.6	95.8	95.8	96.1
73.3	79.5	85.0	89.9	91.4	94.2	95.0	95.4	95.8	96.1	96.1	96.1	96.3	96.3	96.7
73.7	80.3	85.7	90.6	92.2	94.9	95.7	96.1	96.5	96.9	96.9	96.9	97.1	97.1	97.4
73.7	80.4	85.7	90.8	92.3	95.2	95.9	96.3	96.8	97.1	97.1	97.1	97.3	97.3	97.6
73.7	80.4	85.8	91.2	92.7	95.6	96.4	96.8	97.3	97.6	97.6	97.6	97.8	97.8	98.2
73.7	80.8	85.9	91.4	93.1	96.0	96.8	97.2	97.8	98.2	98.2	98.2	98.4	98.4	98.7
73.7	80.9	85.9	91.4	93.1	96.0	97.0	97.4	98.0	98.4	98.4	98.4	98.6	98.6	98.9
73.7	80.9	85.9	91.4	93.1	96.0	97.4	97.8	98.3	98.8	98.8	98.8	99.0	99.0	99.3
73.7	80.9	85.9	91.4	93.1	96.0	97.4	97.8	98.3	98.8	98.8	98.8	99.0	99.0	99.3
73.7	80.9	85.9	91.4	93.1	96.0	97.4	97.8	98.3	98.8	98.8	98.8	99.0	99.0	99.3
73.7	80.9	85.9	91.4	93.1	96.0	97.4	97.8	98.3	98.8	98.8	98.8	99.0	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS

1529

DATA PROCESSING BRANCH  
USAF STAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

52-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0300-0500

CEILING	0	100	200	300	400	500	600	700	800	900	1000	1200	1400	1600	1800	2000	2500	3000	3500	4000	4500	5000	6000	7000	8000	9000	10000			
0	31.2	35.0	38.0	40.3	40.9	42.6	43.7	44.3	44.6	45.1	45.2	45.6	45.8	45.8	47.3															
100	34.7	38.7	42.1	45.3	46.0	47.9	48.1	49.8	50.2	50.6	50.8	51.1	51.4	51.4	52.9															
200	34.7	38.7	42.1	45.3	46.0	47.9	48.1	49.8	50.2	50.6	50.8	51.1	51.4	51.4	52.9															
300	35.0	39.0	42.8	45.7	46.4	48.3	49.5	50.2	50.6	51.0	51.1	51.5	51.8	51.8	53.2															
400	35.2	39.2	42.8	46.1	46.8	48.7	49.9	50.2	51.0	51.4	51.5	51.9	52.2	52.2	53.6															
500	36.6	40.7	44.7	48.0	48.7	50.7	52.0	52.7	53.1	53.5	53.7	54.1	54.3	54.3	55.8															
600	39.4	43.6	47.7	51.1	51.8	53.7	55.1	55.9	56.5	56.7	56.8	57.2	57.5	57.5	58.9															
700	44.3	49.0	53.5	57.0	57.7	59.8	61.2	62.0	62.8	62.9	63.1	63.4	63.8	63.8	65.2															
800	46.8	52.1	56.9	60.6	61.5	63.8	65.5	66.2	66.7	67.4	67.5	67.9	68.2	68.2	69.6															
900	49.0	54.4	59.4	63.1	64.2	66.9	68.6	69.4	69.8	70.3	70.6	71.0	71.4	71.4	72.9															
1000	51.8	57.1	62.2	66.4	67.5	70.5	72.2	73.0	73.4	73.8	74.1	74.2	74.7	75.0	76.6															
1200	52.3	58.2	63.3	67.9	68.9	72.1	73.9	74.7	75.2	75.8	75.9	76.4	76.7	76.7	78.2															
1400	53.7	59.8	65.0	69.6	70.7	73.9	75.7	76.5	76.9	77.6	77.8	78.2	78.6	78.6	80.2															
1600	55.0	61.3	67.0	71.7	72.9	76.2	78.1	79.0	79.6	80.2	80.4	80.9	81.2	81.2	82.8															
1800	56.5	63.6	69.3	74.0	75.2	78.5	80.4	81.4	82.0	82.6	82.8	83.2	83.7	83.7	85.2															
2000	57.4	64.9	70.7	75.3	76.5	80.2	82.1	83.1	83.7	84.3	84.5	85.0	85.4	85.4	86.9															
2500	58.2	65.8	71.7	76.7	77.9	81.5	83.5	84.6	85.2	85.9	86.1	86.6	86.9	86.9	88.4															
3000	58.6	66.2	72.0	77.0	78.3	81.9	83.9	85.0	85.6	86.3	86.5	86.9	87.3	87.3	88.8															
3500	58.9	66.9	72.9	78.2	79.5	83.2	85.2	86.4	87.1	87.9	88.1	88.5	88.9	88.9	90.4															
4000	60.2	68.3	74.3	79.8	81.2	85.2	87.2	88.3	89.0	89.8	90.0	90.4	90.9	90.9	92.4															
4500	60.7	69.1	75.2	80.8	82.3	86.4	88.4	89.5	90.2	91.1	91.2	91.7	92.1	92.1	93.6															
5000	61.1	69.6	75.8	81.6	83.1	87.2	89.2	90.3	91.2	92.0	92.1	92.6	93.0	93.0	94.5															
6000	61.3	70.0	76.2	82.1	83.7	87.8	89.8	90.9	91.8	92.6	92.8	93.2	93.7	93.7	95.2															
7000	61.3	70.1	76.4	82.3	83.9	88.0	90.0	91.1	92.0	92.8	93.0	93.4	93.9	93.9	95.4															
8000	61.4	70.2	76.6	82.6	84.1	88.2	90.2	91.3	92.2	93.0	93.2	93.6	94.1	94.1	95.6															
9000	61.4	70.2	76.6	82.6	84.1	88.2	90.2	91.3	92.2	93.0	93.2	93.6	94.1	94.1	95.6															
10000	61.4	70.2	76.6	82.6	84.1	88.2	90.2	91.3	92.2	93.0	93.2	93.6	94.1	94.1	95.6															

TOTAL NUMBER OF OBSERVATIONS

1578

1

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

53-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

26.8	30.0	33.3	36.5	37.4	38.4	39.3	39.6	40.1	40.2	40.4	40.4	40.4	40.4	40.4	41.3
30.3	34.2	38.2	41.7	42.8	44.1	45.1	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	47.2
30.4	34.3	38.4	41.8	42.9	44.2	45.2	45.9	46.1	46.2	46.4	46.4	46.4	46.4	46.4	47.4
30.4	34.3	38.4	41.8	42.9	44.2	45.2	45.9	46.1	46.2	46.4	46.4	46.4	46.4	46.4	47.4
31.0	34.9	39.0	42.4	43.5	44.8	45.8	46.1	46.7	46.8	47.0	47.0	47.0	47.0	47.1	48.0
31.3	35.3	39.4	42.8	43.9	45.2	46.2	46.9	47.1	47.2	47.4	47.4	47.4	47.4	47.3	48.4
32.3	36.6	40.8	44.2	45.4	46.8	47.7	48.0	48.6	48.7	48.9	48.9	48.9	48.9	49.0	50.1
34.2	38.7	42.9	46.4	47.6	49.0	50.0	50.3	50.9	51.0	51.2	51.2	51.2	51.2	51.4	52.4
37.7	42.6	47.0	50.9	52.3	53.7	54.8	55.1	55.7	55.9	56.1	56.1	56.1	56.1	56.2	57.3
40.8	45.9	51.0	55.4	57.1	58.7	59.9	60.2	60.9	61.3	61.5	61.5	61.5	61.5	61.6	62.7
43.3	48.5	54.2	58.9	60.6	62.2	63.4	63.7	64.3	64.9	65.1	65.1	65.1	65.1	65.2	66.3
45.4	51.3	57.3	62.2	63.9	65.6	66.9	67.3	68.1	68.6	68.7	68.7	68.7	68.7	68.9	70.0
46.1	52.3	58.6	63.5	65.2	66.9	68.3	68.6	69.3	70.0	70.2	70.2	70.2	70.2	70.3	71.5
47.6	54.2	60.4	65.5	67.3	69.2	70.6	71.0	71.9	72.3	72.6	72.6	72.6	72.6	72.8	73.9
48.7	55.4	62.0	67.3	69.2	71.2	72.6	73.1	74.0	74.7	74.8	74.8	74.8	74.8	75.0	76.1
50.2	57.1	63.8	69.3	71.2	73.1	74.6	75.0	76.1	76.9	77.0	77.1	77.1	77.1	77.2	78.5
51.5	58.9	65.5	71.3	73.3	75.3	77.2	77.6	78.7	79.5	79.7	79.8	79.8	79.8	80.0	81.2
53.0	60.4	67.6	73.1	75.3	77.7	79.4	79.8	80.9	81.6	81.9	82.1	82.2	82.2	82.2	83.5
53.6	61.0	68.1	73.9	76.1	78.4	80.2	80.6	81.9	82.7	82.9	83.1	83.2	83.2	83.2	84.5
54.9	62.5	69.9	75.7	78.0	80.5	82.3	82.7	84.0	84.8	85.0	85.2	85.3	85.3	85.4	86.6
56.5	64.8	72.6	78.6	81.1	83.5	85.4	85.8	87.3	88.1	88.3	88.5	88.6	88.6	88.7	89.9
57.8	66.4	74.4	80.6	83.2	85.8	87.7	88.2	89.8	90.5	90.8	90.9	91.1	91.1	91.1	92.4
58.3	67.1	75.4	81.9	84.4	87.2	89.1	89.5	91.2	92.0	92.2	92.4	92.5	92.6	92.6	93.8
58.7	67.7	76.3	82.9	85.8	88.6	90.7	91.4	93.0	93.8	94.0	94.2	94.3	94.3	94.4	95.6
58.9	67.9	76.4	83.2	86.3	89.4	91.8	92.3	93.9	94.7	95.0	95.1	95.3	95.3	95.3	96.6
58.9	68.0	76.7	83.6	86.7	90.1	92.6	93.2	94.8	95.7	95.9	96.2	96.3	96.3	96.3	97.6
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.2	92.7	93.3	94.9	95.8	96.0	96.4	96.4	96.4	96.4	97.7

TOTAL NUMBER OF OBSERVATIONS

1689

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/VAC

# CEILING VERSUS VISIBILITY

84056 SEMBACH AB GERMANY

53-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

000-1100

29.0	31.6	33.1	33.9	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
35.4	38.3	39.9	41.0	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
35.4	38.3	39.9	41.0	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
35.5	38.5	40.1	41.2	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
36.0	39.0	40.6	41.6	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
36.4	39.4	41.0	42.1	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
37.7	40.8	42.5	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
39.8	43.0	44.8	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
43.1	46.9	48.8	49.9	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
46.7	50.8	53.2	54.5	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
49.1	53.6	56.5	57.9	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
52.1	57.0	60.1	61.4	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
53.2	58.3	61.4	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
55.2	60.5	63.0	65.2	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
57.9	63.4	66.7	68.4	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
61.3	67.1	70.9	72.8	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
66.9	72.8	76.8	78.8	79.4	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
71.0	77.4	81.6	83.6	84.3	84.7	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
72.5	79.1	83.4	85.4	86.2	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
74.7	81.9	86.5	88.8	89.6	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
77.2	84.9	89.9	92.4	93.2	93.8	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
77.8	85.9	91.2	93.8	94.7	95.2	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
79.9	88.2	91.6	94.4	95.3	96.0	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
79.9	88.4	91.8	94.7	95.8	96.4	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
78.0	86.0	92.1	95.2	96.4	97.2	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
78.1	86.7	92.4	95.6	96.9	97.6	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
78.1	86.7	92.4	95.6	97.0	97.9	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
78.1	86.7	92.4	95.7	97.1	98.1	98.6	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1690

1  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AF

## CEILING VERSUS VISIBILITY

34056 SEMBACH AB, GERMANY

13-72

062

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
30.0	31.1	32.2	33.3	34.4	35.5	36.6	37.7	38.8	39.9	40.0	41.1	42.2	43.3	44.4	45.5	46.6	47.7	48.8	49.9	50.0	51.1	52.2	53.3	54.4	55.5	56.6	57.7	58.8	59.9	60.0	61.1	62.2	63.3	64.4	65.5	66.6	67.7	68.8	69.9	70.0	71.1	72.2	73.3	74.4	75.5	76.6	77.7	78.8	79.9	80.0	81.1	82.2	83.3	84.4	85.5	86.6	87.7	88.8	89.9	90.0	91.1	92.2	93.3	94.4	95.5	96.6	97.7	98.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1000



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY

59-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

29.7	30.4	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
40.0	40.9	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.0	40.9	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.4	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
41.6	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
44.9	45.8	46.4	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
47.0	47.9	48.6	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
52.6	53.7	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
58.4	59.6	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
62.6	64.0	64.9	65.0	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
67.2	68.8	69.8	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
70.0	71.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
74.0	76.2	77.3	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
77.7	79.8	81.2	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
82.6	85.0	86.5	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
87.2	89.8	91.5	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
89.4	92.4	94.1	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
90.0	93.0	94.8	95.1	95.4	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
90.8	94.2	96.1	96.4	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
91.3	94.9	97.0	97.4	97.7	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
91.4	94.9	97.1	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
91.6	95.2	97.4	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
91.9	95.6	97.9	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
91.9	95.7	98.0	98.8	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
91.9	95.7	98.0	99.1	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1002





DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

84056 SEMBACH AB GERMANY

82-69

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

40.8	44.4	47.3	49.4	50.1	51.5	51.9	52.1	52.5	52.9	52.9	53.0	53.2	53.4	53.9
44.8	48.8	52.0	54.1	54.8	56.4	56.9	57.1	57.6	57.9	57.9	58.1	58.2	58.3	59.0
44.8	48.8	52.0	54.1	54.9	56.5	57.0	57.2	57.6	58.0	58.0	58.1	58.4	58.5	59.1
45.0	49.0	52.2	54.3	55.1	56.7	57.2	57.4	57.8	58.1	58.1	58.3	58.6	58.7	59.3
46.1	50.1	53.2	55.3	56.2	57.8	58.3	58.5	58.9	59.2	59.2	59.4	59.7	59.8	60.4
47.3	51.3	54.8	57.0	57.9	59.5	60.1	60.2	60.7	61.0	61.0	61.2	61.3	61.6	62.2
50.3	54.3	58.0	60.5	61.5	63.2	63.7	63.9	64.4	64.7	64.7	64.9	65.1	65.3	65.8
54.3	58.9	62.8	65.6	66.5	68.3	68.9	69.1	69.3	70.0	70.0	70.2	70.4	70.5	71.1
57.6	62.4	66.5	69.3	70.2	72.0	72.6	72.8	73.3	73.7	73.7	74.0	74.2	74.4	74.9
59.3	64.8	69.1	72.1	73.2	75.1	75.8	76.1	76.3	77.0	77.0	77.3	77.5	77.7	78.2
60.9	66.3	71.3	74.6	75.7	77.7	78.4	78.6	79.1	79.6	79.6	80.0	80.2	80.3	81.0
61.8	67.7	72.8	76.0	77.2	79.2	79.9	80.2	80.7	81.2	81.2	81.5	81.7	81.9	82.3
63.0	69.1	74.4	77.7	78.9	81.0	81.7	81.9	82.4	82.9	83.0	83.2	83.3	83.7	84.3
63.8	69.8	75.1	78.4	79.6	81.7	82.4	82.6	83.2	83.7	83.7	84.0	84.3	84.4	85.1
64.1	70.4	75.8	79.3	80.3	82.8	83.3	83.8	84.4	84.9	84.9	85.2	85.4	85.6	86.2
65.1	71.7	77.4	80.9	82.2	84.4	85.2	85.6	86.2	86.7	86.7	87.1	87.3	87.5	88.1
66.0	72.6	78.4	81.9	83.3	85.7	86.3	86.9	87.3	88.0	88.0	88.4	88.6	88.7	89.4
66.2	73.1	78.9	82.3	84.0	86.3	87.2	87.3	88.1	88.6	88.6	89.0	89.2	89.4	90.0
66.7	74.0	80.2	83.9	85.4	87.8	88.7	89.1	89.6	90.1	90.1	90.3	90.6	90.9	91.3
67.4	74.8	81.6	85.4	87.0	89.6	90.3	90.8	91.4	91.9	91.9	92.3	92.6	92.7	93.3
67.7	75.4	82.6	86.6	88.3	90.8	91.9	92.3	92.9	93.4	93.4	93.8	94.1	94.2	94.8
67.9	75.7	83.1	87.2	88.8	91.4	92.3	92.9	93.4	94.0	94.0	94.4	94.7	94.8	95.4
68.1	76.1	83.8	88.1	89.8	92.4	93.3	93.9	94.3	95.0	95.0	95.4	95.7	95.9	96.3
68.2	76.3	84.0	88.4	90.2	92.9	94.1	94.3	95.1	95.6	95.6	96.1	96.4	96.5	97.1
68.4	76.4	84.4	88.8	90.6	93.4	94.7	95.1	95.8	96.3	96.3	96.8	97.1	97.2	97.8
68.4	76.8	84.8	89.3	91.4	94.4	95.7	96.1	96.8	97.3	97.4	97.8	98.1	98.2	98.9
68.5	77.0	85.0	89.7	91.6	94.6	96.0	96.4	97.1	97.6	97.6	98.0	98.3	98.3	99.1
68.8	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	99.6
68.9	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	99.6
68.9	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	99.6
68.9	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	99.6

TOTAL NUMBER OF OBSERVATIONS

1372

1  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

5372

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0300-0500

	20	21	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
5000	29.1	33.6	36.8	38.9	40.1	41.5	42.7	43.6	44.1	45.0	45.5	45.6	46.4	46.5	48.1	51.7	36.7	40.2	42.2	42.8	43.6	43.1	44.3	47.5	47.8	48.8	49.1	49.9	50.2	50.4	52.5	31.7	35.7	42.2	42.3	43.6	43.1	44.3	47.5	47.8	48.8	49.1	49.9	50.2	50.4	52.5	31.7	35.7	42.2	42.3	43.6	43.1	44.3	47.5	47.8	48.8	49.1	49.9	50.2	50.4	52.5																		
4000	31.9	36.9	40.4	42.3	43.8	45.2	46.5	47.5	48.0	49.0	49.5	49.6	50.6	50.7	52.7	32.7	37.7	41.2	43.4	44.6	46.2	47.4	48.5	49.0	49.0	50.2	50.6	51.5	51.6	53.6	32.7	37.7	41.2	43.4	44.6	46.2	47.4	48.5	49.0	49.0	50.2	50.6	51.5	51.6	53.6	32.7	37.7	41.2	43.4	44.6	46.2	47.4	48.5	49.0	49.0	50.2	50.6	51.5	51.6	53.6																			
3000	34.4	39.5	43.0	45.2	46.5	48.0	49.3	50.4	50.9	52.0	52.3	52.6	53.5	53.6	55.6	36.6	41.9	45.9	48.3	49.8	51.5	52.8	54.0	54.4	55.5	55.8	56.1	57.0	57.2	59.2	36.6	41.9	45.9	48.3	49.8	51.5	52.8	54.0	54.4	55.5	55.8	56.1	57.0	57.2	59.2	36.6	41.9	45.9	48.3	49.8	51.5	52.8	54.0	54.4	55.5	55.8	56.1	57.0	57.2	59.2																			
2000	40.6	46.1	50.5	53.0	54.5	56.5	57.8	59.0	59.5	60.6	60.9	61.2	62.2	62.3	64.3	43.3	49.0	53.5	56.5	58.0	60.0	61.5	62.7	63.2	64.5	64.8	65.1	66.0	66.2	68.2	40.6	46.1	50.5	53.0	54.5	56.5	57.8	59.0	59.5	60.6	60.9	61.2	62.2	62.3	64.3	43.3	49.0	53.5	56.5	58.0	60.0	61.5	62.7	63.2	64.5	64.8	65.1	66.0	66.2	68.2																			
1500	45.6	51.5	55.8	58.8	60.3	62.3	64.0	65.2	65.9	67.2	67.6	68.0	68.9	69.0	71.2	46.9	53.0	57.7	61.1	62.8	64.9	66.5	67.8	68.5	70.0	70.4	70.8	71.7	71.9	74.1	45.6	51.5	55.8	58.8	60.3	62.3	64.0	65.2	65.9	67.2	67.6	68.0	68.9	69.0	71.2	46.9	53.0	57.7	61.1	62.8	64.9	66.5	67.8	68.5	70.0	70.4	70.8	71.7	71.9	74.1																			
1000	47.8	54.2	59.1	62.7	64.4	66.5	68.1	69.4	70.2	71.7	72.1	72.5	73.4	73.5	75.7	49.1	55.9	61.0	64.7	66.6	68.9	70.6	72.0	72.7	74.2	74.6	75.0	75.9	76.2	78.2	47.8	54.2	59.1	62.7	64.4	66.5	68.1	69.4	70.2	71.7	72.1	72.5	73.4	73.5	75.7	49.1	55.9	61.0	64.7	66.6	68.9	70.6	72.0	72.7	74.2	74.6	75.0	75.9	76.2	78.2																			
500	50.5	57.8	63.1	66.7	68.6	71.0	72.8	74.1	74.9	76.4	76.8	77.2	78.1	78.3	80.5	51.5	59.1	64.7	68.5	70.6	72.1	73.5	74.5	75.2	76.6	77.0	77.4	78.4	80.6	50.5	57.8	63.1	66.7	68.6	71.0	72.8	74.1	74.9	76.4	76.8	77.2	78.1	78.3	80.5	51.5	59.1	64.7	68.5	70.6	72.1	73.5	74.5	75.2	76.6	77.0	77.4	78.4	80.6																					
300	53.1	60.9	66.7	70.6	72.8	75.3	77.4	78.8	79.6	81.0	81.5	81.9	82.6	82.8	84.8	53.3	60.2	65.9	69.8	72.0	74.6	76.5	77.9	78.7	80.2	80.6	81.0	82.0	84.0	53.1	60.9	66.7	70.6	72.8	75.3	77.4	78.8	79.6	81.0	81.5	81.9	82.6	82.8	84.8	53.3	60.2	65.9	69.8	72.0	74.6	76.5	77.9	78.7	80.2	80.6	81.0	82.0	84.0																					
200	54.2	62.3	68.3	72.3	74.4	77.2	79.2	80.6	81.4	82.8	83.3	83.6	84.8	84.8	87.0	55.9	64.9	71.5	76.0	78.4	81.7	83.8	85.3	86.2	87.7	88.1	88.2	89.4	91.8	54.2	62.3	68.3	72.3	74.4	77.2	79.2	80.6	81.4	82.8	83.3	83.6	84.8	84.8	87.0	55.9	64.9	71.5	76.0	78.4	81.7	83.8	85.3	86.2	87.7	88.1	88.2	89.4	91.8																					
100	56.1	65.5	72.5	76.9	79.5	82.6	84.8	86.2	87.1	88.6	89.0	89.4	90.4	90.5	92.7	56.2	66.0	73.1	78.1	80.6	83.9	86.0	87.5	88.4	89.9	90.2	90.7	91.7	91.8	94.0	56.1	65.5	72.5	76.9	79.5	82.6	84.8	86.2	87.1	88.6	89.0	89.4	90.4	90.5	92.7	56.2	66.0	73.1	78.1	80.6	83.9	86.0	87.5	88.4	89.9	90.2	90.7	91.7	91.8	94.0																			
50	56.5	66.5	74.0	79.1	81.7	84.9	87.2	88.7	89.7	91.2	91.6	92.0	93.0	93.1	95.3	56.5	66.5	74.2	79.5	82.0	85.4	87.7	89.2	90.1	91.7	92.1	92.8	93.8	95.8	56.5	66.5	74.0	79.1	81.7	84.9	87.2	88.7	89.7	91.2	91.6	92.0	93.0	93.1	95.3	56.5	66.5	74.2	79.5	82.0	85.4	87.7	89.2	90.1	91.7	92.1	92.8	93.8	95.8																					
30	56.5	66.9	74.9	80.8	83.2	87.1	89.6	91.1	92.2	93.7	94.1	94.5	95.6	95.7	97.9	56.5	66.9	74.9	80.8	83.2	87.2	89.7	91.2	92.2	93.7	94.1	94.8	95.8	97.8	56.5	66.9	74.9	80.8	83.2	87.2	89.7	91.2	92.2	93.7	94.1	94.5	95.6	95.7	97.9	56.5	66.9	74.9	80.8	83.2	87.2	89.7	91.2	92.2	93.7	94.1	94.8	95.8	97.8																					
10	56.5	66.9	74.9	80.8	83.2	87.2	89.7	91.2	92.2	93.7	94.1	94.5	95.6	95.7	97.9	56.5	66.9	74.9	80.8	83.2	87.2	89.7	91.2	92.2	93.7	94.1	94.8	95.8	97.8	56.5	66.9	74.9	80.8	83.2	87.2	89.7	91.2	92.2	93.7	94.1	94.5	95.6	95.7	97.9	56.5	66.9	74.9	80.8	83.2	87.2	89.7	91.2	92.2	93.7	94.1	94.8	95.8	97.8																					

TOTAL NUMBER OF OBSERVATIONS

1020

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SENBACH AB GERMANY

82-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

CEILING	19.6	22.1	24.3	26.3	28.3	30.1	31.0	31.7	32.8	33.7	33.9	34.1	34.4	34.7	36.3
1000	24.9	28.4	33.0	35.2	35.9	37.6	38.8	39.4	40.8	41.7	41.9	42.2	42.3	42.3	42.8
900	24.9	28.3	33.0	35.2	35.9	37.7	38.8	39.5	40.9	41.7	42.0	42.3	42.6	42.8	44.8
800	25.0	28.3	33.1	35.4	36.0	37.7	38.9	39.5	40.9	41.8	42.0	42.3	42.6	42.9	44.9
700	25.1	28.9	33.4	35.8	36.3	38.1	39.4	40.1	41.8	42.4	42.6	42.9	43.2	43.3	45.3
600	25.8	29.7	34.2	36.6	37.2	39.0	40.2	40.9	42.2	43.3	43.5	43.8	44.1	44.4	46.2
500	27.3	31.3	35.9	38.4	39.0	41.0	42.4	43.1	44.7	45.6	45.9	46.2	46.6	46.9	48.6
400	29.2	33.3	38.3	41.2	41.7	43.8	45.3	46.2	47.7	48.8	49.0	49.3	49.8	50.1	52.1
300	33.3	38.1	43.3	46.6	47.3	49.6	51.3	52.2	53.9	55.1	55.3	55.6	56.2	56.3	58.7
200	33.4	40.3	46.0	49.3	50.1	52.6	54.4	55.2	57.0	58.2	58.4	58.6	59.2	59.6	61.9
100	37.6	43.0	48.8	52.1	52.9	55.4	57.3	58.2	60.0	61.2	61.4	61.7	62.3	62.6	64.9
0	38.6	44.2	50.1	53.7	54.5	57.0	59.1	60.0	61.8	63.1	63.3	63.7	64.2	64.5	66.8
1000	39.4	45.1	51.0	54.7	55.6	58.1	60.2	61.1	62.9	64.2	64.4	64.8	65.3	65.6	67.9
900	41.0	47.0	53.1	56.9	57.8	60.4	62.6	63.4	65.2	66.5	66.8	67.2	67.7	68.0	70.2
800	42.0	48.0	54.3	58.3	59.4	62.2	64.3	65.2	67.0	68.3	68.6	69.0	69.5	69.8	72.1
700	43.1	49.3	56.0	60.0	61.2	64.1	66.3	67.2	69.0	70.4	70.7	71.0	71.4	71.9	74.2
600	44.4	50.7	57.9	62.0	63.3	66.4	68.7	69.5	71.4	72.8	73.2	73.5	74.1	74.4	76.7
500	46.3	53.0	60.3	64.6	66.0	69.2	71.5	72.3	74.2	75.7	76.1	76.3	77.0	77.3	79.6
400	46.6	53.2	60.8	65.1	66.5	69.8	72.1	73.0	74.9	76.3	76.7	77.1	77.6	77.9	80.2
300	47.8	54.3	62.3	66.8	68.4	71.9	74.3	75.2	77.1	78.6	79.0	79.4	79.9	80.2	82.5
200	48.3	56.0	64.7	69.3	71.0	75.1	77.6	78.4	80.3	81.9	82.3	82.6	83.1	83.4	85.7
100	49.7	57.3	67.0	72.3	74.4	78.1	80.8	81.7	83.7	85.2	85.6	86.0	86.3	86.8	89.1
0	50.2	58.3	68.0	73.6	75.8	79.7	82.3	83.3	85.3	87.0	87.4	87.8	88.3	88.6	90.9
1000	50.7	59.0	69.1	75.0	77.4	81.3	84.4	85.4	87.4	89.0	89.4	89.8	90.3	90.6	92.9
900	50.9	59.6	69.9	75.9	78.4	82.6	85.8	86.8	88.8	90.3	90.7	91.3	91.8	92.1	94.4
800	51.1	59.8	70.4	76.7	79.4	83.3	86.6	87.6	89.6	91.1	91.5	92.1	92.4	92.7	95.0
700	51.1	59.9	70.8	77.2	79.8	84.1	87.4	88.5	90.5	92.0	92.4	93.0	93.3	94.1	96.4
600	51.1	59.9	71.1	77.4	80.2	84.3	88.0	89.1	91.1	92.6	93.0	93.7	94.2	94.9	97.2
500	51.1	59.9	71.1	77.4	80.2	84.3	88.1	89.2	91.2	92.7	93.1	93.8	94.3	95.0	97.3
400	51.1	59.9	71.1	77.4	80.2	84.6	88.2	89.3	91.3	92.8	93.2	93.9	94.4	95.1	97.4
300	51.1	59.9	71.1	77.4	80.2	84.6	88.2	89.4	91.4	92.9	93.3	94.0	94.5	95.2	97.5
200	51.1	59.9	71.1	77.4	80.2	84.6	88.2	89.4	91.4	92.9	93.3	94.0	94.5	95.2	97.5
100	51.1	59.9	71.1	77.4	80.2	84.6	88.2	89.4	91.4	92.9	93.3	94.0	94.5	95.2	97.5
0	51.1	59.9	71.1	77.4	80.2	84.6	88.2	89.4	91.4	92.9	93.3	94.0	94.5	95.2	97.5

TOTAL NUMBER OF OBSERVATIONS

1720

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056    Sembach AB Germany

52-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0900-1100

	27.5	31.0	33.5	34.5	34.8	35.1	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
	34.2	38.9	41.9	43.2	43.3	43.8	44.2	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
	34.4	39.0	42.1	43.3	43.6	44.0	44.3	44.3	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
	34.4	39.1	42.2	43.3	43.8	44.1	44.5	44.8	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
	35.1	39.9	43.1	44.3	44.6	44.9	45.3	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
	35.7	40.3	43.7	44.9	45.2	45.6	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
	38.2	43.3	46.6	47.8	48.1	48.5	48.9	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
	40.1	45.3	48.6	50.1	50.4	50.8	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
	42.8	48.4	52.0	53.9	54.3	54.7	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
	45.0	50.8	54.7	56.7	57.1	57.6	58.1	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
	46.8	52.6	56.6	58.8	59.3	59.7	60.3	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
	47.8	53.9	57.9	60.0	60.6	61.1	61.7	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
	48.3	54.3	58.3	60.6	61.1	61.7	62.3	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
	49.3	55.7	60.0	62.5	63.2	63.9	64.5	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	50.9	57.2	61.7	64.2	65.0	65.7	66.3	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
	53.7	60.3	64.9	67.6	68.4	69.1	69.7	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
	56.8	64.0	68.8	71.8	72.7	73.5	74.0	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
	60.8	68.4	73.3	76.3	77.4	78.2	78.8	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
	62.3	70.0	75.0	78.4	79.2	80.0	80.6	80.7	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
	65.0	73.0	78.4	81.8	82.7	83.6	84.2	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
	67.7	76.9	83.0	86.9	87.7	88.9	89.3	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	68.3	78.4	84.9	89.1	90.2	91.3	92.2	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
	69.0	79.2	86.0	90.4	91.3	92.9	93.6	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
	69.7	80.2	87.3	91.9	92.3	94.7	95.3	95.7	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	69.9	80.6	88.3	92.8	94.2	95.9	96.4	96.9	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
	70.1	80.9	88.7	93.3	94.9	96.6	97.3	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
	70.1	80.9	88.7	93.3	95.0	96.8	97.9	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	70.1	80.9	88.7	93.3	95.0	96.8	97.9	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	70.1	80.9	88.7	93.3	95.0	96.8	98.0	98.4	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	70.1	80.9	88.7	93.3	95.0	96.8	98.0	98.4	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	70.1	80.9	88.7	93.3	95.0	96.8	98.0	98.4	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	70.1	80.9	88.7	93.3	95.0	96.8	98.0	98.4	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	70.1	80.9	88.7	93.3	95.0	96.8	98.0	98.4	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

1714

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94056 SEMBACH AB GERMANY

53-72

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

	26	27	24	27	22	22	27	27	27	27	27	27	27	27	27	27	27
1000	24.0	26.0	26.7	26.8	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
900	22.8	23.5	26.2	26.3	26.3	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
800	24.0	25.7	26.3	26.3	26.3	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
700	24.1	25.8	26.5	26.6	26.6	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
600	34.7	36.5	37.1	37.2	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
500	36.1	37.9	38.6	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
400	38.4	40.4	41.3	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
300	41.1	42.3	44.1	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
200	44.5	47.2	48.2	48.5	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
100	47.9	50.7	51.8	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
50	50.8	53.8	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
40	53.8	56.8	58.2	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
30	55.7	58.9	60.3	60.7	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
20	60.7	64.2	65.7	66.2	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
10	64.5	68.3	69.8	70.4	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
5	71.0	75.3	77.2	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
3	76.0	80.9	82.8	83.6	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2	80.9	86.2	88.4	89.3	89.6	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
1.5	82.9	88.4	90.7	91.7	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1.2	84.6	90.3	92.6	93.8	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
1.0	86.1	92.1	95.0	96.4	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0.7	86.6	92.7	95.7	97.1	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0.5	86.7	92.8	95.9	97.4	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
0.4	87.2	93.3	96.4	98.0	98.4	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0.3	87.3	93.3	96.6	98.4	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0.2	87.4	93.6	96.8	98.7	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0.1	87.4	93.7	96.9	98.7	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	87.4	93.7	96.9	98.7	99.2	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1717



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

31-72

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

	28.2	29.0	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
	29.4	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
	39.8	40.6	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
	39.9	41.0	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
	40.6	41.7	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
	42.2	44.6	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
	46.3	47.7	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
	51.1	52.8	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
	55.3	57.0	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
	61.3	63.1	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
	67.3	69.2	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
	70.9	72.9	73.3	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
	73.0	75.2	75.8	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
	76.4	78.6	79.3	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
	80.2	82.3	83.3	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
	84.3	86.7	87.8	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
	87.0	89.6	90.8	91.4	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
	89.2	92.1	93.4	94.1	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	90.1	93.1	94.6	95.4	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
	90.8	93.9	95.3	96.4	96.5	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	91.9	95.0	96.8	98.1	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
	92.1	95.5	97.4	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	92.1	95.5	97.5	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
	92.1	95.5	97.7	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	92.2	95.6	97.7	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	92.2	95.6	97.7	99.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1715

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056      SEMBACH AB GERMANY

59=71

ALG

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1400-2000

33.2	34.0	34.2	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
49.9	47.9	48.2	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
46.9	47.9	48.2	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
47.4	48.5	48.8	49.1	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
47.9	49.0	49.3	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
49.9	51.2	51.5	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
53.0	54.3	54.7	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
57.1	58.5	58.8	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
63.0	64.5	65.2	66.0	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
69.8	71.5	72.5	73.4	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
73.6	76.0	77.0	78.0	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
77.0	79.6	80.8	81.9	82.1	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
78.6	81.4	82.7	83.8	84.0	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
80.4	83.1	84.7	85.9	86.2	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
82.2	85.2	87.0	88.3	88.6	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
84.7	87.8	89.7	91.2	91.5	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
86.0	89.6	91.6	93.0	93.3	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
86.5	90.2	92.3	93.8	94.2	94.6	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1
86.9	90.6	92.8	94.3	94.8	95.2	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7
87.4	91.2	93.7	95.2	95.9	96.2	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8
88.0	91.9	94.5	96.0	97.1	97.2	97.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9
88.0	92.1	95.1	97.1	97.5	98.1	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7
88.0	92.1	95.4	97.3	97.7	98.4	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
88.0	92.2	95.5	97.3	97.9	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
88.1	92.4	95.8	97.5	98.2	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
88.1	92.4	95.8	97.5	98.3	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
88.1	92.4	95.8	97.5	98.3	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
88.1	92.4	95.8	97.5	98.4	99.2	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
88.1	92.4	95.8	97.5	98.4	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
88.1	92.4	95.8	97.5	98.4	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
88.1	92.4	95.8	97.5	98.4	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1877

1  
DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

22-70

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

41.8	44.6	46.1	47.4	47.8	48.0	48.2	48.2	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
49.6	53.1	54.8	56.1	56.2	56.8	57.0	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.5
49.7	53.2	54.9	56.2	56.4	56.9	57.1	57.1	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6
49.7	53.2	54.9	56.2	56.4	56.9	57.1	57.1	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6
49.8	53.4	55.0	56.4	56.6	57.0	57.3	57.3	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
51.1	54.7	56.4	57.7	57.9	58.3	58.6	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0
52.7	56.4	58.1	59.6	59.8	60.3	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.0
55.9	59.9	61.7	63.7	63.9	64.5	64.7	64.7	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
59.7	64.3	66.7	68.9	69.1	69.7	70.0	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
65.2	70.3	72.9	75.2	75.3	76.1	76.4	76.5	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.1
65.7	73.9	75.7	77.3	77.6	80.1	80.3	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2
71.8	77.7	80.8	83.6	83.8	84.4	84.8	84.8	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.5
72.9	78.9	82.0	84.8	85.0	85.7	86.1	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.8
74.1	80.3	83.6	86.5	86.8	87.4	87.8	87.8	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5
74.5	81.3	84.7	87.8	88.3	89.0	89.3	89.6	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2
75.6	82.2	85.9	89.0	89.8	90.3	90.7	90.8	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.4
76.6	83.3	86.9	90.3	90.8	91.3	91.6	91.6	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2
77.1	84.0	87.6	91.1	91.7	92.3	92.9	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.7
77.3	84.2	88.0	91.3	92.1	92.9	93.3	93.4	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.0
77.5	84.7	88.6	92.3	93.1	93.8	94.3	94.3	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.0
78.3	85.3	89.6	93.6	94.3	95.0	95.3	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2
78.5	85.7	90.0	94.0	94.8	95.6	96.1	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8
78.7	85.9	90.3	94.3	95.3	96.1	96.6	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3
78.8	86.1	90.6	94.8	95.7	96.9	97.6	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4
78.9	86.3	90.8	95.2	96.1	97.3	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
78.9	86.4	91.1	95.6	96.6	97.8	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
78.9	86.4	91.1	95.6	96.7	97.9	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
78.9	86.4	91.1	95.6	96.7	98.0	98.9	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9
78.9	86.4	91.1	95.6	96.7	98.0	98.9	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9
78.9	86.4	91.1	95.6	96.7	98.0	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
78.9	86.4	91.1	95.6	96.7	98.0	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
78.9	86.4	91.1	95.6	96.7	98.0	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1370

DATA PROCESSING BRANCH  
 USAF BTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34030 SEYBACH AB GERMANY

33-08-71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

31.7	36.8	40.2	43.6	45.6	48.3	49.6	50.3	51.9	52.9	53.1	53.2	54.2	54.2	55.0
34.1	39.8	43.2	47.2	49.7	52.6	54.1	54.6	56.2	57.2	57.3	57.7	58.3	58.6	60.2
34.1	39.8	43.2	47.2	49.8	52.7	54.2	54.7	56.3	57.3	57.5	57.7	58.6	58.6	60.2
34.3	39.8	43.4	47.3	50.0	52.9	54.4	54.9	56.5	57.5	57.7	57.9	58.8	58.8	60.4
34.6	40.7	44.2	48.2	50.8	53.8	55.3	55.8	57.4	58.4	58.6	58.8	59.7	59.7	61.3
35.8	41.7	45.4	49.4	52.0	55.1	56.7	57.3	58.9	60.0	60.2	60.4	61.3	61.3	62.9
37.1	43.4	47.3	51.4	54.0	57.2	58.8	59.5	61.1	62.2	62.5	62.7	63.8	63.6	65.2
39.5	46.3	50.7	55.1	57.0	61.7	63.2	63.9	65.7	66.9	67.1	67.3	68.1	68.2	70.8
42.3	49.9	54.9	59.3	62.6	66.4	68.0	68.7	70.4	71.8	72.0	72.2	73.2	73.2	74.8
43.2	51.1	56.7	61.3	64.8	68.7	70.3	71.0	72.7	74.2	74.4	74.6	75.6	75.7	77.3
45.2	53.3	58.9	64.1	67.4	71.4	73.1	73.8	75.5	76.9	77.2	77.4	78.4	78.5	80.0
46.0	54.2	59.9	65.2	68.5	72.6	74.3	74.9	76.7	78.1	78.3	78.5	79.6	79.6	81.2
46.8	55.2	61.3	66.8	70.1	74.3	75.9	76.6	78.3	79.8	80.0	80.2	81.2	81.3	82.9
47.6	56.3	62.4	68.1	71.4	75.6	77.2	77.9	79.6	81.1	81.3	81.5	82.5	82.6	84.2
48.8	57.5	63.7	69.6	73.0	77.2	78.9	79.6	81.3	82.8	83.0	83.2	84.2	84.3	85.9
49.3	58.1	64.3	70.3	73.8	78.0	79.8	80.6	82.3	83.8	84.0	84.2	85.2	85.3	86.9
50.8	59.9	66.2	72.3	75.7	80.0	81.7	82.3	84.2	85.7	85.9	86.2	87.2	87.3	88.9
51.1	60.3	66.5	72.8	76.3	80.6	82.4	83.2	84.9	86.4	86.6	86.9	87.9	88.0	89.5
51.9	61.1	67.3	73.9	77.2	81.3	83.0	84.0	85.2	86.2	87.7	88.0	89.2	89.3	90.9
52.6	61.9	68.0	75.6	79.3	83.3	85.7	86.6	88.4	89.3	90.0	90.3	91.3	91.4	93.0
53.3	63.0	70.4	77.2	80.9	85.3	87.3	88.4	90.2	91.7	91.9	92.2	93.2	93.3	94.8
53.8	63.5	71.0	77.8	81.6	86.1	88.1	89.1	90.8	92.3	92.5	92.8	93.8	93.9	95.3
54.0	63.9	71.6	78.3	82.2	87.1	89.1	90.1	91.9	93.2	93.5	93.8	94.8	94.9	96.3
54.2	64.2	71.9	78.9	83.1	87.7	89.7	90.7	92.5	93.9	94.2	94.4	95.3	95.6	97.2
54.3	64.3	72.1	79.1	83.2	88.1	90.1	91.1	92.8	94.3	94.5	94.8	95.7	95.9	97.2
54.4	64.4	72.3	79.4	84.0	88.7	90.7	91.7	93.5	94.9	95.1	95.4	96.3	96.6	98.3
54.4	64.4	72.3	79.4	84.0	88.7	90.8	91.7	93.6	95.0	95.2	95.5	96.4	96.7	98.4
54.4	64.4	72.3	79.4	84.0	88.8	90.9	91.9	93.7	95.1	95.3	95.6	96.5	96.9	98.6
54.4	64.4	72.3	79.4	84.0	88.8	90.9	91.9	93.7	95.2	95.4	95.7	96.6	96.9	98.6
54.4	64.4	72.3	79.4	84.0	88.9	91.0	91.9	93.8	95.3	95.5	95.8	96.7	97.0	98.8
54.4	64.4	72.3	79.4	84.0	88.9	91.0	91.9	93.8	95.3	95.5	95.8	96.7	97.0	98.8
54.4	64.4	72.3	79.4	84.0	88.9	91.0	91.9	93.8	95.3	95.5	95.8	96.7	97.0	98.8
54.4	64.4	72.3	79.4	84.0	88.9	91.0	91.9	93.8	95.3	95.5	95.8	96.7	97.0	98.8

TOTAL NUMBER OF OBSERVATIONS

1433

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0800-0500

26.3	30.3	33.6	37.1	39.2	43.2	44.9	45.6	47.2	48.3	48.9	49.7	50.8	51.1	54.5
28.3	32.3	35.9	39.6	41.8	45.9	47.8	48.5	50.2	51.6	51.9	52.8	53.9	54.2	57.7
28.4	32.6	36.0	39.7	42.0	46.1	47.9	48.7	50.3	51.7	52.1	52.9	54.1	54.3	57.8
28.4	32.6	36.0	39.7	42.0	46.1	47.9	48.7	50.3	51.7	52.1	52.9	54.1	54.3	57.8
28.5	32.8	36.3	40.0	42.3	46.4	48.3	49.0	50.7	52.1	52.4	53.3	54.4	54.7	58.2
28.9	33.2	36.7	40.4	42.8	46.9	48.9	49.7	51.4	52.8	53.1	54.0	55.1	55.4	58.9
30.0	34.3	37.8	41.6	43.9	48.1	50.1	50.9	52.6	54.0	54.3	55.2	56.3	56.6	60.1
30.9	35.4	39.4	43.6	46.3	50.5	52.6	53.3	55.2	56.6	56.9	57.8	59.0	59.3	62.8
32.8	37.4	41.5	45.9	48.5	52.5	55.5	56.3	58.2	59.6	60.0	60.8	62.1	62.4	65.9
34.3	39.4	43.7	48.2	51.6	56.3	58.5	59.2	61.4	62.9	63.3	64.2	65.6	65.8	69.4
36.0	41.2	45.8	50.6	53.9	58.6	60.8	61.6	63.8	65.3	65.8	66.6	68.1	68.4	71.9
36.6	42.2	47.1	52.2	55.8	60.4	62.6	63.4	65.8	67.2	67.8	68.6	70.1	70.2	73.9
37.4	43.0	47.9	53.2	56.5	61.4	63.6	64.4	66.8	68.3	68.8	69.6	71.1	71.3	74.9
37.9	43.3	48.4	54.1	57.4	62.4	64.6	65.4	67.9	69.4	69.9	70.7	72.2	72.5	76.1
38.4	44.1	49.2	55.1	58.5	63.6	65.8	66.6	69.1	70.6	71.1	71.9	73.4	73.7	77.3
39.3	45.3	50.8	57.2	60.6	65.8	68.0	68.8	71.2	72.7	73.2	74.1	75.5	75.8	79.3
40.1	46.1	51.7	58.0	61.5	66.6	68.8	69.6	72.1	73.6	74.1	74.9	76.4	76.7	80.3
41.8	48.0	53.7	60.1	63.6	68.9	71.1	71.9	74.4	75.9	76.4	77.2	78.8	79.1	82.7
42.0	48.3	54.3	60.8	64.3	69.6	71.8	72.6	75.1	76.6	77.1	77.9	79.5	79.7	83.4
43.3	50.3	56.4	63.0	66.6	72.1	74.3	75.1	77.5	79.1	79.5	80.4	81.9	82.2	85.8
44.1	51.7	58.3	65.8	69.8	75.5	77.7	78.5	81.0	82.5	83.0	83.8	85.4	85.6	89.3
44.7	52.3	59.4	67.0	71.1	76.9	79.1	80.0	82.5	84.0	84.5	85.4	87.0	87.2	90.9
44.9	52.9	60.1	67.8	72.0	77.9	80.1	81.0	83.5	85.0	85.5	86.4	88.0	88.2	91.9
45.3	53.3	60.9	68.7	73.1	79.1	81.3	82.2	84.7	86.2	86.7	87.6	89.2	89.4	93.4
45.6	53.9	61.6	69.4	73.9	79.9	82.2	83.1	85.6	87.1	87.6	88.5	90.1	90.3	94.3
45.7	54.0	61.7	69.6	74.1	80.3	82.5	83.4	85.9	87.4	87.9	88.8	90.4	90.6	94.7
45.7	54.1	61.8	69.8	74.3	80.7	82.8	83.7	86.2	87.7	88.2	89.1	90.7	90.9	95.4
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7
45.7	54.1	61.9	69.9	74.3	81.0	83.1	84.0	86.5	88.0	88.5	89.4	91.0	91.2	95.7

TOTAL NUMBER OF OBSERVATIONS

1504

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

5372

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

17.7	19.8	23.0	25.8	27.2	28.9	30.6	31.3	33.2	34.3	34.8	35.7	36.6	36.7	41.0
19.9	22.8	26.5	30.3	32.1	34.1	36.1	37.1	39.1	40.7	41.3	42.2	43.3	43.4	48.1
19.9	22.8	26.5	30.3	32.1	34.1	36.1	37.1	39.1	40.7	41.3	42.2	43.3	43.4	48.1
20.1	23.0	26.8	30.6	32.3	34.4	36.3	37.4	39.4	40.9	41.6	42.5	43.5	43.6	48.3
20.5	23.6	27.4	31.2	33.0	35.1	37.1	38.1	40.2	41.8	42.4	43.3	44.3	44.5	49.1
21.4	24.6	28.4	32.3	34.0	36.1	38.2	39.2	41.4	43.1	43.7	44.6	45.6	45.7	50.5
22.6	25.8	30.3	34.6	36.4	38.8	40.9	42.0	44.3	46.1	46.7	47.7	48.8	48.9	53.6
24.4	28.1	32.9	37.7	39.7	42.4	44.8	46.0	48.4	50.1	50.8	51.8	53.0	53.2	57.9
26.2	30.2	35.3	40.6	42.6	45.6	48.1	49.3	51.8	53.6	54.3	55.3	56.6	56.7	61.7
27.3	31.5	36.7	42.2	44.2	47.3	49.9	51.1	53.7	55.7	56.3	57.4	58.6	58.7	63.9
27.9	32.1	37.3	43.3	45.3	48.8	51.5	52.8	55.7	57.7	58.4	59.5	60.8	60.9	66.1
28.4	32.9	38.3	44.3	46.3	49.8	52.4	53.8	56.7	58.7	59.4	60.5	61.8	62.0	67.1
29.1	33.9	39.3	45.3	47.7	51.2	53.9	55.2	58.1	60.2	61.0	62.1	63.4	63.5	69.3
29.8	34.7	40.3	46.4	48.8	52.4	55.1	56.5	59.4	61.5	62.3	63.4	64.7	64.9	70.1
30.7	35.8	41.6	47.6	50.0	53.7	56.4	57.8	60.8	62.8	63.6	64.7	66.0	66.2	71.4
32.0	37.1	42.9	49.1	51.6	55.4	58.2	59.6	62.5	64.6	65.4	66.5	67.8	68.0	73.3
33.4	38.7	44.8	51.3	53.7	57.8	60.6	62.0	64.9	67.0	67.8	68.9	70.2	70.5	75.8
34.1	39.6	45.9	52.6	55.0	59.1	61.9	63.3	66.2	68.3	69.1	70.2	71.6	71.8	77.1
36.3	41.8	48.3	53.5	56.0	62.3	65.1	66.6	69.6	71.6	72.4	73.5	75.2	75.3	80.7
38.5	44.7	51.9	55.7	62.5	67.4	70.2	71.7	74.8	77.0	77.8	79.0	80.6	80.8	86.1
39.3	45.7	53.2	61.2	64.2	69.2	72.1	73.7	76.9	79.0	79.8	81.0	82.6	82.8	88.2
39.6	46.1	53.5	61.8	64.9	69.9	73.0	74.7	77.9	80.1	80.9	82.1	83.7	83.9	89.2
39.9	46.7	54.3	62.8	65.9	71.0	74.1	75.8	79.3	81.5	82.3	83.5	85.1	85.3	90.7
40.3	47.1	55.2	63.6	67.0	72.4	75.6	77.5	81.1	83.4	84.1	85.4	87.0	87.2	92.6
40.3	47.3	55.4	64.0	67.3	73.1	76.4	78.2	81.9	84.1	84.9	86.1	87.8	88.0	93.4
40.3	47.4	55.6	64.2	67.5	73.6	77.0	79.0	82.8	85.2	86.0	87.2	88.9	89.1	94.5
40.3	47.4	55.8	64.3	68.0	73.8	77.3	79.3	83.2	85.7	86.5	87.7	89.4	89.6	95.1
40.3	47.4	55.8	64.3	68.1	73.9	77.5	79.6	83.6	86.1	87.1	88.3	90.4	90.6	96.3
40.3	47.4	55.8	64.3	68.2	74.1	77.6	79.8	84.0	86.6	87.5	88.8	91.1	91.3	97.8
40.3	47.4	55.8	64.3	68.2	74.2	77.7	79.9	84.0	86.7	87.7	89.1	91.4	91.6	99.0
40.3	47.4	55.8	64.3	68.2	74.2	77.7	79.9	84.0	86.7	87.7	89.1	91.5	91.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1046

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-1100

25.5	29.2	33.1	35.8	36.6	37.5	38.3	38.7	39.0	39.1	39.1	39.2	39.2	39.2	39.2	39.2
30.2	34.4	39.5	43.0	43.9	45.2	46.1	46.7	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2
30.3	34.3	39.5	43.0	44.0	45.3	46.1	46.8	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
30.3	34.6	39.6	43.1	44.1	45.4	46.2	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
30.5	34.8	40.1	43.6	44.6	45.9	46.7	47.3	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8
31.2	35.5	40.9	44.4	45.4	46.7	47.5	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7
31.7	36.1	41.5	45.2	46.2	47.6	48.4	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
33.2	37.8	43.5	47.2	48.2	49.7	50.5	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
35.2	40.0	46.1	49.9	51.2	52.6	53.5	54.3	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
37.0	42.2	48.6	52.5	54.0	55.5	56.5	57.2	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2
38.4	43.8	50.2	54.5	56.1	57.6	58.5	59.4	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4
39.8	45.3	52.2	56.7	58.2	59.9	60.9	61.9	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9
40.4	46.1	53.0	57.7	59.3	61.0	61.9	62.9	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.0
40.9	46.7	53.9	58.8	60.4	62.2	63.1	64.1	65.1	65.2	65.2	65.4	65.4	65.4	65.4	65.4
41.5	47.8	55.3	60.4	61.9	63.7	64.7	65.7	66.7	66.9	66.9	67.1	67.1	67.1	67.1	67.1
43.7	49.9	57.6	62.9	64.8	66.3	67.3	68.3	69.3	69.5	69.6	69.7	69.7	69.7	69.7	69.7
46.1	52.6	60.4	65.9	67.5	69.4	70.4	71.4	72.4	72.6	72.6	72.8	72.8	72.8	72.8	72.8
48.8	56.0	64.3	70.0	71.7	73.9	74.9	75.9	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4
50.1	57.3	65.8	71.5	73.2	75.4	76.4	77.4	78.5	78.8	78.8	78.9	78.9	78.9	78.9	78.9
53.6	60.9	69.6	75.9	77.6	79.8	80.8	81.8	82.9	83.2	83.2	83.4	83.4	83.4	83.4	83.4
56.2	64.0	73.4	80.2	82.6	84.9	85.9	86.9	88.0	88.3	88.3	88.4	88.4	88.4	88.4	88.4
57.1	65.4	75.4	82.5	85.1	87.7	88.7	89.8	91.0	91.2	91.3	91.4	91.4	91.4	91.4	91.4
57.5	66.0	76.2	83.6	86.3	89.0	90.1	91.1	92.4	92.7	92.7	92.9	92.9	92.9	92.9	92.9
57.8	66.4	77.0	84.6	87.4	90.4	91.5	92.5	93.8	94.1	94.1	94.2	94.2	94.2	94.2	94.2
57.9	66.6	77.2	84.9	87.9	90.9	92.0	93.0	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8
57.9	66.6	77.3	85.3	88.4	91.4	92.6	93.6	95.0	95.2	95.3	95.4	95.4	95.4	95.4	95.4
57.9	66.6	77.4	85.5	88.7	91.8	93.2	94.2	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2
57.9	66.6	77.4	85.6	88.8	92.1	93.6	94.7	96.2	96.7	96.7	96.9	96.9	96.9	96.9	96.9
57.9	66.6	77.4	85.7	88.9	92.3	93.9	95.0	96.6	97.5	97.6	97.8	97.8	97.8	97.8	97.8
57.9	66.6	77.4	85.7	88.9	92.3	94.0	95.1	97.0	97.6	97.6	97.8	97.8	97.8	97.8	97.8
57.9	66.6	77.4	85.7	88.9	92.3	94.0	95.1	97.0	97.6	97.6	97.8	97.8	97.8	97.8	97.8
57.9	66.6	77.4	85.7	88.9	92.3	94.0	95.1	97.0	97.6	97.6	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS

1652

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

31.5	34.2	36.6	37.7	37.8	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
38.2	41.7	44.9	46.1	46.3	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
38.4	41.8	45.1	46.3	46.4	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
38.9	42.3	45.6	46.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
39.8	43.5	46.9	48.0	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
41.4	45.2	48.6	49.8	50.0	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
43.2	47.1	50.8	52.0	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
45.8	49.7	53.4	54.7	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
48.2	52.2	55.8	57.1	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
50.1	54.1	58.0	59.4	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
51.8	55.9	60.0	61.4	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
53.2	57.4	61.7	63.1	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
55.3	59.9	64.3	65.8	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
58.0	63.0	67.5	69.1	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
62.3	67.9	72.7	74.4	74.7	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
67.9	73.8	79.1	81.2	81.5	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
72.4	78.7	84.5	86.8	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
73.3	79.8	85.8	88.3	88.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
75.2	81.8	87.9	91.0	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
76.3	83.1	89.6	93.3	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
76.9	84.2	91.1	95.0	95.4	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
77.1	84.4	91.4	95.4	95.9	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
77.4	84.6	91.8	96.0	96.5	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
77.4	84.7	92.0	96.2	96.9	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
77.4	84.7	92.0	96.7	97.4	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
77.4	84.8	92.2	96.8	97.6	98.3	99.0	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
77.4	84.8	92.2	96.9	97.6	98.7	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
77.4	84.8	92.2	96.9	97.7	98.8	99.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.4	84.8	92.2	96.9	97.7	98.8	99.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
77.4	84.8	92.2	96.9	97.7	98.8	99.4	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1647



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

32-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

34.7	37.5	39.5	40.0	40.0	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
43.8	47.8	50.2	50.9	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
49.8	47.8	50.3	51.0	51.1	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
44.2	48.2	50.6	51.4	51.4	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
44.9	48.9	51.4	52.1	52.2	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
46.3	50.3	52.7	53.4	53.5	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
48.4	52.6	55.1	55.9	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
50.0	54.4	57.1	58.0	58.1	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
53.4	57.9	60.8	61.6	61.7	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
57.6	62.1	65.0	66.0	66.2	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
60.5	65.5	68.8	69.8	69.9	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
64.0	69.5	72.7	73.8	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
65.7	71.4	74.7	76.0	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
68.7	74.8	78.3	79.5	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
71.4	77.7	81.3	82.6	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
74.1	80.8	84.5	85.9	86.2	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
76.8	83.7	87.4	88.9	89.2	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
78.3	85.3	89.5	91.0	91.3	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
79.1	86.0	90.5	91.9	92.3	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
80.4	87.4	92.2	94.0	94.4	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
81.3	88.5	93.6	95.4	95.7	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
81.8	89.1	94.3	96.1	96.5	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
82.0	89.4	94.8	96.6	97.1	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
82.1	89.6	95.2	97.1	97.7	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
82.1	89.6	95.3	97.2	97.8	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
82.1	89.6	95.4	97.4	98.1	98.7	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
82.1	89.6	95.4	97.4	98.1	98.8	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

1647

1  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-68,71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

36.3	39.7	41.8	44.0	44.7	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
44.8	48.9	51.2	54.2	55.0	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
44.9	49.0	51.5	54.3	55.2	56.2	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
45.1	49.1	51.6	54.5	55.3	56.3	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
45.7	49.8	52.5	55.4	56.3	57.3	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
46.9	51.1	53.8	56.7	57.6	58.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
48.5	52.9	55.6	58.5	59.4	60.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
50.8	55.5	58.3	61.2	62.3	63.3	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
54.0	58.9	61.7	64.8	66.0	67.0	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
58.5	63.6	66.6	69.7	70.9	71.9	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6
62.1	67.8	71.0	74.3	75.5	76.7	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4
63.9	69.7	73.1	76.8	77.6	79.0	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7
64.6	70.7	74.5	77.9	79.1	80.4	81.0	81.0	81.0	81.1	81.1	81.2	81.2	81.2	81.2
66.3	72.6	76.4	80.0	81.2	82.6	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4
68.2	74.6	78.8	82.8	83.9	85.3	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2
69.1	75.7	80.1	84.3	85.5	87.1	87.8	87.8	87.8	87.9	87.9	88.0	88.0	88.0	88.0
71.1	77.9	82.6	86.9	88.2	89.9	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
72.7	79.7	84.6	89.1	90.4	92.1	92.9	92.9	92.9	93.0	93.0	93.1	93.1	93.1	93.1
73.0	80.0	85.3	89.9	91.2	93.0	93.9	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
73.6	80.6	86.0	90.8	92.1	93.9	94.8	94.9	94.9	95.0	95.0	95.1	95.1	95.1	95.1
74.0	81.0	86.9	91.9	93.3	95.3	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
74.3	81.3	87.5	92.6	94.3	96.3	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4
74.5	81.9	87.8	92.9	94.6	96.7	97.6	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9
74.5	81.9	87.8	93.0	94.7	96.7	97.6	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
74.5	81.9	88.2	93.5	95.3	97.2	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
74.5	81.9	88.2	93.5	95.3	97.2	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
74.5	81.9	88.2	93.8	95.6	98.0	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
74.5	81.9	88.2	93.8	95.6	98.1	99.0	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6
74.5	81.9	88.2	93.8	95.7	98.2	99.2	99.2	99.6	99.7	99.7	99.9	99.9	99.9	99.9
74.5	81.9	88.2	93.9	95.7	98.2	99.2	99.2	99.7	99.7	99.7	100.0	100.0	100.0	100.0
74.5	81.9	88.2	93.8	95.7	98.2	99.2	99.2	99.7	99.7	99.8	99.9	100.0	100.0	100.0
74.5	81.9	88.2	93.8	95.7	98.2	99.2	99.2	99.7	99.7	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1445

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

94050 SEMBACH AB GERMANY

53-68,71

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

2100-2300

1000	36.9	41.8	48.9	49.7	51.4	53.1	54.1	54.4	54.7	55.0	55.1	55.2	55.5	55.5	55.8
900	40.6	45.9	50.3	54.7	56.7	58.8	59.7	60.1	60.4	60.7	60.8	60.9	61.1	61.1	61.5
800	40.7	45.9	50.4	54.8	56.8	58.9	59.9	60.2	60.5	60.8	60.9	61.0	61.3	61.3	61.6
700	41.2	46.6	51.1	55.5	57.5	59.7	60.8	61.1	61.4	61.7	61.8	61.9	62.2	62.2	62.5
600	42.2	47.9	52.5	56.9	59.0	61.3	62.3	62.6	62.9	63.3	63.3	63.5	63.7	63.7	64.0
500	43.7	49.9	54.6	59.1	61.2	63.6	64.8	65.2	65.5	65.8	65.9	66.0	66.2	66.2	66.6
400	46.2	52.6	57.3	61.9	64.1	66.7	68.0	68.4	68.6	69.1	69.1	69.3	69.5	69.5	69.9
300	49.0	55.7	60.8	65.7	68.0	70.7	72.0	72.4	72.7	73.1	73.1	73.3	73.5	73.5	73.9
200	52.2	59.1	64.8	69.9	72.2	74.9	76.2	76.7	77.1	77.5	77.6	77.8	78.0	78.0	78.3
100	54.8	61.7	67.7	72.9	75.2	78.0	79.3	79.8	80.2	80.6	80.7	80.9	81.1	81.1	81.4
50	56.6	63.9	70.3	75.7	78.0	80.7	82.0	82.5	82.9	83.4	83.4	83.6	83.8	83.8	84.2
0	57.5	65.0	71.7	77.1	79.6	82.3	83.6	84.1	84.5	84.9	85.0	85.2	85.4	85.4	85.8
1000	58.4	66.0	72.8	78.3	80.7	83.5	84.8	85.4	85.8	86.2	86.3	86.5	86.7	86.7	87.0
900	59.7	67.3	74.2	80.1	82.6	85.4	86.7	87.3	87.7	88.1	88.2	88.4	88.6	88.6	89.0
800	61.0	68.9	75.7	81.8	84.3	87.1	88.4	89.0	89.4	89.8	89.8	90.1	90.3	90.3	90.6
700	62.1	70.1	77.0	83.1	85.7	88.5	89.8	90.4	90.8	91.2	91.3	91.5	91.7	91.7	92.1
600	62.6	70.9	78.2	84.5	87.2	90.1	91.4	91.9	92.3	92.7	92.8	93.0	93.2	93.2	93.6
500	62.8	71.1	78.5	84.9	87.6	90.5	91.8	92.3	92.7	93.1	93.4	93.6	93.8	93.8	94.2
400	63.2	71.8	79.4	85.8	88.5	91.4	92.8	93.4	93.8	94.2	94.3	94.5	94.7	94.7	95.1
300	63.7	72.6	80.2	87.0	89.7	92.6	94.2	94.8	95.2	95.6	95.7	95.9	96.1	96.1	96.6
200	63.8	72.9	80.7	87.6	90.3	93.6	95.0	95.6	96.0	96.4	96.5	96.7	96.9	96.9	97.4
100	64.0	73.1	81.1	88.1	90.9	94.1	95.5	96.1	96.5	97.0	97.0	97.2	97.4	97.4	97.9
50	64.0	73.3	81.2	88.4	91.2	94.3	95.7	96.3	96.7	97.2	97.2	97.4	97.6	97.6	98.1
0	64.1	73.4	81.4	88.8	91.4	94.7	96.1	96.7	97.1	97.5	97.6	97.8	98.0	98.0	98.5
1000	64.1	73.4	81.4	88.8	91.6	95.0	96.3	97.0	97.4	97.8	97.9	98.1	98.3	98.3	98.8
900	64.1	73.4	81.4	88.8	91.9	95.3	96.8	97.4	97.9	98.3	98.3	98.5	98.8	98.8	99.3
800	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.1	98.5	98.6	98.8	99.1	99.1	99.6
700	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.6	98.7	98.9	99.2	99.2	99.7
600	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	99.9
500	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	100.0
400	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	100.0
300	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	100.0
200	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	100.0
100	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	100.0
50	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	100.0
0	64.1	73.4	81.4	88.8	91.9	95.3	97.0	97.7	98.2	98.7	98.8	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1448

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY

33-67,71-72

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0000-0200

Visibility	3000	2000	1500	1000	800	600	400	300	200	100	50	30	20	10	5	0
> 3000	16.9	20.7	24.8	29.9	35.2	35.9	37.6	38.9	41.0	42.0	42.5	43.4	44.7	44.7	49.0	
> 2000	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
> 1500	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
> 1000	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
> 800	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
> 600	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
> 400	18.3	22.3	26.8	32.3	35.7	39.0	40.7	42.0	44.2	45.2	45.7	46.8	48.1	48.1	52.4	
> 300	19.3	23.8	28.5	34.2	37.8	41.4	43.1	44.3	46.7	47.7	48.2	49.3	50.5	50.5	55.0	
> 200	19.7	24.1	29.4	35.4	39.1	42.7	44.3	45.6	48.0	49.1	49.5	50.6	51.9	51.9	56.4	
> 100	20.7	25.1	30.6	36.6	40.3	43.9	45.7	47.0	49.4	50.3	50.9	52.0	53.3	53.3	57.8	
> 50	23.3	28.0	33.8	40.0	43.7	47.4	49.2	50.5	52.9	54.0	54.5	55.5	56.8	56.8	61.4	
> 30	25.0	29.7	35.6	42.1	45.8	49.5	51.6	52.9	55.2	56.4	56.9	57.9	59.2	59.2	63.9	
> 20	26.6	31.4	37.6	44.3	48.1	51.8	53.4	55.1	57.2	58.1	58.8	60.0	61.2	61.2	65.9	
> 10	27.7	32.7	39.3	46.1	50.0	53.8	55.4	57.1	60.4	61.6	62.1	63.1	64.4	64.4	69.2	
> 5	29.0	34.0	41.7	48.7	52.6	56.4	58.0	60.5	63.8	64.4	64.9	65.9	67.2	67.2	72.0	
> 3	29.7	34.7	42.5	49.8	53.8	57.6	59.2	61.7	65.0	66.0	66.5	67.5	68.8	68.8	73.6	
> 2	30.9	35.8	44.5	51.7	55.8	59.6	61.2	63.7	67.0	68.4	68.9	70.0	71.2	71.2	76.0	
> 1	32.0	36.4	46.0	53.4	57.7	61.5	63.1	65.6	68.9	70.4	70.9	72.0	73.2	73.2	78.0	
> .75	32.5	37.1	47.1	54.7	59.2	63.0	64.6	67.1	70.4	72.2	72.8	73.9	75.1	75.1	80.2	
> .50	32.7	37.6	47.3	54.9	59.4	63.2	64.8	67.3	70.6	72.4	73.0	74.1	75.3	75.3	80.2	
> .25	33.2	38.1	47.8	55.4	60.1	63.9	65.5	68.0	71.3	73.1	73.7	74.8	76.0	76.0	81.2	
> .10	34.0	38.8	48.6	56.4	61.3	65.1	66.7	69.2	72.5	74.3	74.9	76.0	77.2	77.2	82.4	
> .05	34.5	39.3	49.1	56.9	61.8	65.6	67.2	69.7	73.0	74.8	75.4	76.5	77.7	77.7	82.8	
> 0	34.9	39.7	49.5	57.3	62.3	66.1	67.7	70.2	73.5	75.3	75.9	77.0	78.2	78.2	83.4	
> 3000	34.9	43.1	53.3	63.0	68.1	72.1	73.8	76.3	79.6	81.4	81.9	82.8	84.7	84.7	89.5	
> 2000	34.9	43.2	53.3	63.2	68.3	72.3	74.0	76.5	79.8	81.6	82.1	83.0	84.9	84.9	89.7	
> 1500	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 1000	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 800	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 600	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 400	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 300	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 200	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 100	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 50	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 30	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 20	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 10	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 5	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 3	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 2	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 1	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> .75	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> .50	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> .25	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> .10	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> .05	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	
> 0	35.0	43.4	53.5	63.4	68.5	72.5	74.2	76.7	80.0	81.8	82.3	83.2	85.1	85.1	90.2	

TOTAL NUMBER OF OBSERVATIONS 1423

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY

53-72

CGT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0300-0500

14.0	17.0	21.1	25.8	28.1	30.7	32.5	33.7	35.8	37.1	37.4	38.1	40.5	40.7	46.2
15.4	18.5	22.8	27.6	30.1	32.7	34.4	35.7	37.8	39.1	39.3	40.1	42.5	42.6	48.2
15.4	18.6	22.9	27.7	30.1	32.8	34.5	35.8	37.9	39.1	39.4	40.1	42.6	42.7	48.3
15.4	18.7	23.0	27.7	30.2	32.8	34.6	35.8	37.9	39.2	39.5	40.2	42.6	42.8	48.4
15.7	18.9	23.3	28.1	30.5	33.4	35.2	36.6	39.9	40.1	40.9	43.2	43.4	49.2	
16.0	19.3	23.7	28.6	31.1	34.2	36.0	37.3	39.4	40.7	40.9	41.7	44.1	44.2	50.0
16.0	19.3	24.2	29.3	32.0	35.2	37.0	38.3	40.5	41.7	42.0	42.7	45.2	45.2	51.1
16.4	20.0	25.1	30.3	33.2	36.3	38.3	39.6	41.7	43.0	43.2	44.0	46.5	46.6	52.4
17.9	22.0	27.3	32.8	35.7	39.2	41.1	42.4	44.5	45.8	46.0	46.8	49.3	49.4	55.2
19.2	23.3	28.9	34.3	37.5	41.0	42.8	44.2	46.4	47.7	48.0	48.8	51.3	51.4	57.2
20.7	25.1	30.7	36.6	39.7	43.4	45.2	46.6	48.9	50.2	50.6	51.3	53.9	54.1	59.9
20.9	25.3	30.9	36.8	39.9	43.6	45.4	47.8	49.4	50.9	51.1	52.0	54.4	54.6	60.5
22.0	26.8	32.5	38.3	41.6	46.0	47.9	49.3	51.7	53.1	53.4	54.2	56.8	57.0	62.8
22.8	28.0	34.0	40.3	43.7	48.2	50.3	51.9	54.0	55.3	55.8	56.6	59.1	59.3	63.2
23.6	29.2	35.6	42.3	45.6	50.3	52.5	54.1	56.2	57.8	58.1	58.9	61.5	61.7	67.5
24.4	30.3	36.8	43.7	47.2	52.2	54.3	56.0	58.1	59.8	60.1	60.9	63.4	63.6	69.3
25.8	32.3	39.3	46.2	50.1	55.6	57.7	59.6	61.8	63.4	63.7	64.6	67.1	67.3	73.1
26.2	32.6	39.5	47.3	51.3	57.0	59.2	61.1	63.2	64.9	65.2	66.0	68.5	68.7	74.3
27.2	33.8	41.2	49.0	53.2	59.2	61.5	63.4	65.6	67.4	67.6	68.3	71.2	71.4	77.3
28.4	36.0	43.5	52.4	57.0	63.2	65.3	67.3	69.9	71.7	71.9	72.8	75.6	75.8	81.7
29.3	37.4	45.6	54.4	59.2	65.6	67.9	69.9	72.3	74.2	74.4	75.4	78.1	78.3	84.2
29.6	37.6	46.0	54.9	59.7	66.2	68.5	70.3	72.9	74.8	75.0	76.0	78.7	78.9	84.3
29.9	38.3	47.2	56.2	61.3	67.9	70.3	72.6	75.0	76.9	77.2	78.1	80.8	81.0	86.9
30.0	38.7	47.9	57.0	62.1	68.8	71.4	73.4	75.9	77.8	78.1	79.0	81.7	81.9	87.5
30.2	38.9	48.3	57.5	62.6	69.0	72.3	74.6	77.0	78.9	79.2	80.1	82.8	83.1	89.0
30.2	38.9	48.3	57.8	63.0	70.4	73.1	75.3	77.9	79.8	80.1	81.0	83.7	84.0	90.0
30.2	39.0	48.3	57.9	63.3	70.7	73.5	75.7	78.3	80.2	80.3	81.3	84.2	84.6	90.7
30.2	39.0	48.3	57.9	63.4	71.1	74.1	76.4	79.1	81.1	81.3	82.6	85.4	85.8	92.4
30.2	39.0	48.3	57.9	63.4	71.2	74.2	76.7	79.3	81.3	81.5	82.9	85.6	86.0	93.1
30.2	39.0	48.3	57.9	63.4	71.3	74.3	76.8	79.6	81.6	81.8	83.3	86.0	86.4	93.8
30.2	39.0	48.3	57.9	63.4	71.3	74.3	76.8	79.6	81.6	81.8	83.3	86.0	86.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1310

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34039 SEMBACH AB GERMANY

32-72

ECT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

10.0	11.0	13.4	16.2	18.1	20.2	21.4	21.7	22.9	23.9	24.2	24.5	25.5	25.7	31.8
12.2	13.9	16.1	19.1	21.1	23.2	24.6	25.1	26.3	27.4	27.7	28.0	29.2	29.4	36.1
12.2	13.9	16.1	19.1	21.1	23.2	24.6	25.1	26.3	27.4	27.7	28.0	29.2	29.4	36.1
12.4	14.1	16.4	19.4	21.4	23.5	24.9	25.4	26.6	27.7	28.0	28.3	29.5	29.7	36.4
13.0	14.8	17.2	20.2	22.2	24.6	26.0	26.5	27.8	29.0	29.3	29.6	30.8	31.0	37.8
13.1	14.9	17.3	20.7	22.7	25.0	26.7	27.4	28.7	29.9	30.2	30.5	31.8	32.0	38.8
13.6	15.4	18.0	21.2	23.2	25.7	27.4	28.1	29.5	30.6	31.1	31.4	32.7	32.9	39.7
14.3	16.4	19.1	22.8	24.9	27.2	29.0	29.7	31.1	32.4	32.8	33.3	34.7	34.9	41.8
14.7	17.8	20.8	24.7	26.8	29.4	31.2	31.9	33.3	34.6	35.2	35.7	37.1	37.2	44.4
16.8	19.0	22.3	26.5	28.7	31.4	33.2	34.0	35.4	36.8	37.3	37.8	39.2	39.4	46.6
18.3	20.7	24.2	28.4	30.9	33.7	35.7	36.6	38.1	39.5	40.1	40.6	42.1	42.2	49.5
18.3	21.1	24.5	29.2	31.7	34.5	36.5	37.3	38.9	40.4	41.0	41.5	43.0	43.1	50.4
19.3	22.4	26.3	30.8	33.3	36.3	38.4	39.3	40.7	42.4	42.9	43.4	44.9	45.0	52.4
20.3	23.4	27.3	32.6	35.3	38.2	40.4	41.3	42.8	44.5	45.0	45.5	47.0	47.2	54.6
21.6	24.9	29.7	34.8	37.8	40.8	43.1	44.1	45.6	47.3	47.8	48.3	50.2	50.4	57.8
22.6	26.0	30.8	36.1	39.9	43.6	44.9	45.9	47.4	49.1	49.6	50.1	52.2	52.3	59.8
23.6	27.9	33.3	38.8	41.7	45.7	48.2	49.4	51.1	52.8	53.3	54.3	56.0	56.2	63.7
24.4	28.4	34.2	39.7	42.7	46.8	49.4	50.6	52.4	54.3	55.1	55.6	57.3	57.5	65.1
25.4	29.7	35.7	41.8	45.0	49.3	52.0	53.2	55.1	57.2	57.9	58.4	60.1	60.3	67.9
26.8	31.3	38.0	43.1	48.3	53.3	56.0	57.3	59.3	62.0	62.9	63.1	64.8	64.9	72.3
27.4	32.6	39.7	47.1	50.9	55.9	58.7	60.2	62.4	64.9	65.8	66.0	67.7	67.9	75.4
27.8	33.2	40.6	48.3	52.3	57.3	60.3	61.9	64.1	66.7	67.3	67.8	69.5	69.7	77.2
28.4	33.9	42.0	50.2	54.1	59.4	62.4	64.0	66.4	69.1	69.7	70.2	71.9	72.1	79.7
28.8	34.4	43.0	51.3	55.3	61.2	64.3	65.9	68.4	71.1	71.7	72.2	74.0	74.1	81.8
28.8	34.6	43.2	52.0	56.2	62.0	65.2	66.9	69.3	72.2	72.8	73.4	75.1	75.4	83.1
29.0	34.9	43.8	52.6	56.9	62.9	66.3	68.2	71.1	73.8	74.3	75.1	76.9	77.2	85.0
29.0	34.9	43.8	52.6	57.0	63.1	66.7	68.6	71.4	74.0	74.8	75.0	76.8	76.8	86.6
29.0	34.9	43.9	52.7	57.2	63.3	67.1	69.1	72.3	75.4	76.1	77.0	78.8	78.8	88.7
29.0	34.9	43.9	52.7	57.2	63.6	67.2	69.3	72.6	76.3	77.2	78.1	80.7	81.2	93.0
29.0	34.9	43.9	52.7	57.2	63.6	67.3	69.3	72.7	76.3	77.3	78.3	81.2	81.7	96.8
29.0	34.9	43.9	52.7	57.2	63.6	67.3	69.3	72.7	76.3	77.3	78.3	81.2	81.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1674

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

33=72

GCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000=1100

11.3	13.0	17.3	19.8	21.1	22.8	23.6	24.6	25.6	26.2	26.2	26.3	26.6	26.7	28.2
14.0	16.3	21.5	24.4	25.9	27.9	28.8	29.9	31.4	32.2	32.3	32.5	32.9	32.9	34.8
14.0	16.3	21.5	24.4	25.9	27.9	28.8	29.9	31.4	32.2	32.3	32.5	32.9	32.9	34.8
14.5	16.7	21.9	24.9	26.4	28.3	29.3	30.5	32.0	32.8	32.9	33.0	33.4	33.5	35.3
14.9	17.2	22.4	25.5	27.0	29.0	29.9	31.1	32.6	33.4	33.5	33.7	34.1	34.1	36.0
15.5	17.9	23.3	26.7	28.2	30.4	31.4	32.6	34.1	34.9	35.0	35.1	35.6	35.6	37.5
16.8	19.4	25.0	28.5	30.0	32.3	33.4	34.6	36.2	37.1	37.2	37.3	37.7	37.8	39.7
17.9	20.3	26.4	30.1	31.7	34.0	35.1	36.4	38.0	38.9	39.1	39.2	39.6	39.7	41.6
19.8	22.7	29.1	33.0	34.9	37.2	38.3	39.6	41.2	42.3	42.4	42.6	43.0	43.1	45.0
20.4	23.4	30.0	34.1	36.1	39.4	40.5	40.9	42.3	43.5	43.7	43.9	44.3	44.4	46.3
21.4	24.3	31.3	35.4	37.4	39.7	41.1	42.3	44.1	45.2	45.4	45.5	46.0	46.1	47.9
22.3	25.6	32.5	36.8	38.9	41.4	42.7	44.1	45.9	47.0	47.2	47.4	47.8	47.9	49.8
23.8	27.6	34.5	38.8	40.9	43.5	44.9	46.3	48.1	49.3	49.6	49.7	50.1	50.2	52.1
24.8	28.6	35.9	40.3	42.3	45.2	46.7	48.1	50.1	51.3	51.5	51.7	52.1	52.2	54.1
26.2	30.3	37.8	42.3	44.6	47.3	49.1	50.4	52.8	54.0	54.3	54.5	54.9	54.9	56.8
27.5	31.8	39.7	44.6	47.0	50.2	51.9	53.4	55.9	57.4	57.6	57.8	58.2	58.3	60.2
29.8	34.7	43.0	48.0	50.4	52.7	55.3	57.0	59.4	61.0	61.3	61.4	61.9	61.9	63.8
31.0	36.0	44.4	49.3	52.1	55.3	57.0	58.6	61.0	62.6	62.9	63.1	63.5	63.5	65.3
33.2	39.0	47.6	52.1	55.8	59.4	61.1	62.9	65.5	67.3	67.5	67.7	68.1	68.2	70.1
34.7	40.9	50.3	56.4	59.4	63.2	65.2	66.9	69.6	71.4	71.7	71.8	72.3	72.3	74.2
35.6	42.2	52.3	59.0	62.3	66.3	68.3	70.3	73.2	75.0	75.2	75.4	75.9	75.9	77.8
35.9	42.7	53.3	60.4	64.0	68.0	70.3	72.2	75.1	76.9	77.2	77.4	77.8	77.9	79.8
36.1	43.3	54.3	61.8	65.6	69.7	72.1	74.1	77.1	78.9	79.1	79.4	79.8	79.9	81.8
36.3	43.8	55.4	63.2	67.4	71.8	74.3	76.6	79.6	81.5	81.7	81.9	82.4	82.4	84.3
36.5	43.7	55.9	64.0	68.3	73.0	76.0	78.2	81.4	83.4	83.6	83.9	84.3	84.4	86.3
36.6	43.8	56.2	64.3	68.9	73.8	77.1	79.4	83.0	85.1	85.4	85.7	86.1	86.2	88.1
36.6	43.9	56.3	64.6	69.0	74.2	77.5	80.3	84.2	86.3	86.6	87.3	87.6	87.7	89.6
36.6	43.9	56.3	64.7	69.2	74.7	78.2	80.9	85.2	88.2	88.2	89.0	90.0	91.2	93.0
36.6	43.9	56.3	64.7	69.2	74.7	78.2	80.9	85.2	88.2	89.1	90.0	91.6	91.8	93.3
36.6	43.9	56.3	64.7	69.2	74.7	78.2	80.9	85.2	88.2	89.1	90.0	91.6	91.8	93.3

TOTAL NUMBER OF OBSERVATIONS

1673

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-72

ZCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

20.7	24.2	28.5	30.6	31.3	31.8	32.1	32.3	32.6	32.4	32.4	32.4	32.4	32.4	32.4
25.9	29.9	33.0	37.2	37.9	38.5	38.8	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
26.0	30.0	33.0	37.3	38.0	38.6	38.9	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4
26.0	30.0	33.1	37.4	38.1	38.7	39.0	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5
26.5	30.6	33.6	37.9	38.6	39.2	39.5	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0
26.8	30.9	36.0	38.2	39.0	39.7	40.0	40.4	40.9	40.8	40.8	40.8	40.8	40.8	40.8
27.9	32.2	37.6	40.0	40.9	41.6	41.9	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5
28.5	32.9	38.4	40.9	41.9	42.8	43.1	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
31.0	35.5	41.1	43.6	44.8	45.8	46.3	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9
33.4	38.1	44.0	46.6	47.7	48.8	49.2	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
34.6	39.6	45.8	48.3	49.6	50.6	51.1	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
35.7	41.1	47.5	50.1	51.5	52.5	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6
36.3	41.9	48.3	51.1	52.5	53.6	54.3	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0
38.1	43.6	50.2	53.1	54.7	55.9	56.6	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4
39.8	45.3	52.2	55.2	56.7	58.2	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.8
42.5	48.3	55.3	58.3	60.0	61.6	62.2	62.7	62.9	63.2	63.2	63.2	63.3	63.3	63.3
46.4	52.9	60.3	63.3	65.1	66.7	67.4	67.9	68.1	68.5	68.5	68.5	68.5	68.5	68.5
51.0	58.1	66.0	69.2	71.0	72.7	73.3	73.9	74.1	74.5	74.5	74.5	74.5	74.5	74.5
53.0	60.3	68.3	71.7	73.3	75.2	75.8	76.4	76.6	77.0	77.0	77.0	77.0	77.0	77.0
54.6	62.6	71.4	73.9	77.2	79.1	79.8	80.3	80.3	80.9	80.9	80.9	80.9	80.9	80.9
56.6	64.8	74.7	76.1	81.2	83.2	84.0	84.5	84.7	85.1	85.1	85.2	85.2	85.2	85.2
56.4	65.4	76.1	80.8	83.3	85.9	87.0	87.6	87.9	88.2	88.2	88.3	88.4	88.4	88.4
56.6	65.7	76.7	81.7	84.3	87.3	88.4	89.0	89.3	89.7	89.7	89.7	89.8	89.8	89.8
56.8	66.1	77.4	82.7	85.6	88.7	89.7	90.4	90.7	91.1	91.1	91.2	91.2	91.2	91.2
57.1	66.3	77.7	83.4	86.6	89.7	90.8	91.4	91.9	92.3	92.4	92.3	92.3	92.3	92.3
57.1	66.4	78.0	83.7	87.4	90.6	91.8	92.6	93.3	93.6	93.8	93.8	93.9	93.9	93.9
57.2	66.8	78.2	84.0	87.8	91.3	92.8	94.0	95.0	95.4	95.3	95.7	95.7	95.7	95.7
57.2	66.8	78.2	84.1	87.9	91.7	93.3	94.6	96.0	97.0	97.3	97.6	97.9	97.9	98.1
57.2	66.8	78.2	84.1	87.9	91.7	93.3	94.6	96.0	97.1	97.5	98.2	98.6	98.6	99.2
57.2	66.8	78.2	84.1	87.9	91.7	93.3	94.6	96.0	97.1	97.6	98.2	98.6	98.7	99.6
57.2	66.8	78.2	84.1	87.9	91.7	93.3	94.6	96.0	97.1	97.6	98.2	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1684



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

53-72

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

3300-1700

23.5	26.9	30.7	33.6	34.1	34.8	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
31.5	35.3	39.9	43.6	44.3	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
31.6	35.5	40.1	43.7	44.4	45.3	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
31.6	35.5	40.1	43.7	44.4	45.3	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
31.7	35.7	40.5	44.2	44.9	45.8	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
32.7	36.7	41.3	45.0	45.9	46.7	47.4	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
34.2	38.4	43.1	46.8	47.8	48.7	49.3	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
34.9	39.1	44.0	47.8	48.8	49.9	50.6	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
37.1	41.3	46.7	50.9	51.9	53.0	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
40.1	44.8	50.5	54.7	55.7	56.8	57.6	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
41.9	46.7	52.7	56.9	58.0	59.2	59.9	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
43.7	48.8	54.9	59.3	60.5	61.8	62.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
45.1	50.5	56.6	61.2	62.4	63.8	64.5	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
47.3	52.6	59.0	63.7	65.0	66.3	67.1	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
49.6	55.1	61.7	66.6	67.9	69.3	70.1	70.6	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
53.1	59.0	65.9	70.9	72.4	73.9	74.7	75.2	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
55.9	62.1	69.3	74.3	75.9	77.3	78.3	78.9	79.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
57.9	64.8	72.3	77.4	79.0	80.7	81.7	82.3	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
58.7	65.7	73.4	78.6	80.4	82.1	83.0	83.6	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
59.8	67.4	75.5	81.3	83.1	85.1	86.1	86.7	87.1	87.4	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
61.1	69.2	77.5	84.2	86.1	88.2	89.3	89.9	90.4	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
61.3	69.6	78.2	84.7	86.8	89.2	90.4	91.1	91.6	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
61.4	70.0	78.7	85.4	87.5	90.0	91.2	91.9	92.3	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
61.5	70.2	79.0	86.0	88.4	91.2	92.4	93.1	93.7	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6
61.6	70.3	79.3	86.3	89.0	91.9	93.1	93.8	94.3	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
61.7	70.4	79.7	87.0	89.7	92.9	94.1	94.9	95.6	96.4	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
61.7	70.5	79.8	87.2	90.0	93.1	94.6	95.3	96.3	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
61.7	70.9	79.9	87.4	90.1	93.4	94.9	95.8	97.0	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.9	97.1	98.1	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
61.7	70.9	79.9	87.4	90.1	93.4	94.9	95.9	97.3	98.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.9	97.3	98.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.7
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.9	97.3	98.3	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1675

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/PAO

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-07,09,71-72

ICT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATION

1800-2000

23.2	28.3	32.1	37.1	38.9	40.7	41.7	42.2	42.9	43.7	43.8	43.9	44.0	44.0	44.5
25.4	34.1	38.3	44.2	46.2	46.3	46.3	49.4	49.8	50.8	51.5	51.7	51.9	51.9	52.4
28.4	34.1	38.3	44.2	46.2	48.3	49.4	49.9	50.8	51.6	51.7	51.8	51.9	51.9	52.4
28.5	34.2	38.4	44.3	46.3	48.3	49.3	50.0	51.0	51.7	51.9	51.9	52.1	52.1	52.6
29.0	34.7	39.0	48.1	47.1	49.2	50.3	50.8	51.7	52.5	52.6	52.7	52.9	52.9	53.3
30.2	35.1	40.3	48.6	48.7	50.9	51.9	52.4	53.4	54.2	54.3	54.4	54.5	54.5	55.0
31.6	37.9	42.3	49.0	51.1	53.5	54.5	55.0	56.0	56.8	56.9	57.0	57.1	57.1	57.6
33.4	39.7	44.3	51.3	53.5	53.9	57.0	57.3	58.4	59.2	59.3	59.4	59.5	59.5	60.0
36.4	43.0	48.3	53.3	57.7	60.1	61.1	61.7	62.7	63.4	63.6	63.6	63.8	63.8	64.3
38.7	45.8	51.1	58.3	60.7	63.2	64.3	64.8	65.8	66.6	66.7	66.8	66.9	66.9	67.4
39.6	47.0	52.3	59.7	62.3	65.0	66.1	66.6	67.6	68.4	68.5	68.6	68.7	68.7	69.2
41.0	48.9	54.4	61.7	64.2	67.1	68.4	68.9	69.9	70.7	70.8	70.9	71.0	71.0	71.5
42.8	50.6	56.2	63.7	66.2	69.2	70.4	71.0	71.9	72.7	72.8	72.9	73.1	73.1	73.5
43.7	51.9	57.9	63.5	66.2	71.3	72.8	73.3	74.4	75.3	75.4	75.5	75.6	75.6	76.1
45.8	54.8	61.2	69.0	71.9	73.4	77.1	77.7	78.7	79.5	79.7	79.7	79.9	79.9	80.4
47.3	57.3	64.1	72.1	73.9	79.0	80.8	81.4	82.6	83.4	83.6	83.6	83.8	83.8	84.3
48.2	58.3	65.3	73.6	77.4	81.3	83.0	83.7	84.9	85.8	85.9	86.0	86.1	86.1	86.7
48.3	58.8	66.0	74.2	78.0	82.0	83.8	84.3	85.7	86.7	86.8	86.9	87.0	87.0	87.6
48.9	59.9	67.3	76.0	80.0	84.3	86.4	87.1	88.4	89.3	89.3	89.6	89.7	89.7	90.3
49.2	60.6	68.3	77.4	81.7	86.3	88.3	89.2	90.3	91.3	91.6	91.7	91.9	91.9	92.4
49.3	60.7	68.7	77.8	82.2	86.8	89.2	89.9	91.2	92.2	92.2	92.4	92.5	92.5	93.1
49.3	60.7	68.7	78.1	82.3	87.3	89.8	90.3	91.7	92.8	92.9	93.0	93.1	93.1	93.7
49.4	60.9	68.9	78.7	82.4	88.4	90.9	91.6	92.8	93.9	94.0	94.1	94.2	94.2	94.8
49.4	60.9	68.9	79.1	84.0	89.1	91.7	92.4	93.7	94.7	94.8	94.8	95.1	95.1	95.6
49.3	61.0	69.2	79.2	84.2	89.3	92.1	92.9	94.2	95.4	95.5	95.6	95.8	95.8	96.3
49.3	61.1	69.4	79.3	84.3	89.9	92.8	93.7	95.0	96.2	96.3	96.6	96.7	96.7	97.3
49.3	61.1	69.4	79.3	84.6	90.1	92.0	93.9	95.2	96.9	97.2	97.3	97.4	97.4	98.1
49.3	61.1	69.3	79.3	84.7	90.3	92.2	94.2	95.7	97.3	97.6	97.7	97.9	97.9	98.6
49.3	61.1	69.3	79.3	84.7	90.3	92.2	94.2	95.8	97.9	97.7	98.1	98.2	98.2	99.4
49.3	61.1	69.3	79.3	84.7	90.3	92.2	94.2	95.8	97.4	97.7	98.1	98.3	98.3	99.8
49.3	61.1	69.3	79.3	84.7	90.3	92.2	94.2	95.8	97.4	97.7	98.1	98.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1436

DATA PROCESSING BRANCH  
 USAF BTAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-67,69,71-72

JCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2100-2300

21.0	26.6	31.7	36.7	39.6	43.2	44.9	45.3	46.4	47.3	47.4	47.8	48.2	48.3	49.4
22.9	28.2	33.7	39.2	42.1	46.1	47.8	48.4	49.4	50.3	50.6	51.0	51.3	51.3	52.8
22.9	28.2	33.7	39.2	42.1	46.1	47.8	48.4	49.4	50.3	50.6	51.0	51.3	51.3	52.8
23.0	28.3	33.8	39.2	42.2	46.2	48.0	48.5	49.6	50.6	50.8	51.1	51.6	51.6	52.9
23.2	28.7	34.3	39.8	42.8	46.9	48.7	49.3	50.3	51.4	51.5	51.9	52.4	52.4	53.8
24.1	29.7	35.3	41.0	43.9	48.2	50.0	50.6	51.6	52.6	52.8	53.1	53.6	53.6	55.1
25.2	31.2	37.4	43.1	46.1	50.4	52.2	52.8	53.8	54.9	55.0	55.4	55.8	55.8	57.4
26.2	32.3	38.0	44.9	47.9	52.5	54.2	54.7	55.8	56.8	57.0	57.3	57.8	57.8	59.3
28.3	38.4	42.4	48.7	51.8	56.5	58.6	59.1	60.2	61.3	61.4	61.8	62.2	62.2	63.8
30.3	37.3	44.8	51.3	54.3	59.3	61.3	61.9	63.0	64.0	64.2	64.5	65.0	65.0	66.6
31.2	38.7	46.3	52.9	56.3	61.5	63.6	64.2	65.3	66.3	66.5	66.8	67.2	67.4	68.9
32.3	40.3	48.0	54.8	58.3	63.7	65.7	66.4	67.5	68.6	68.7	69.1	69.5	69.6	71.1
33.6	42.4	50.3	57.3	61.2	66.8	69.0	69.5	70.7	71.7	71.8	72.2	72.7	72.7	74.3
33.2	44.3	52.3	59.6	63.3	69.3	71.6	72.2	73.4	74.5	74.6	75.0	75.6	75.7	77.2
36.4	46.1	54.4	61.8	66.0	72.0	74.3	74.9	76.1	77.2	77.3	77.7	78.2	78.4	79.9
37.3	47.4	55.9	63.6	68.1	74.3	76.6	77.2	78.4	79.6	79.8	80.2	80.7	80.8	82.3
38.1	48.3	57.4	65.2	70.0	76.3	78.7	79.3	80.5	81.7	81.8	82.2	82.9	83.0	84.7
38.3	49.0	57.9	65.9	70.8	77.1	79.5	80.2	81.4	82.6	82.8	83.2	83.8	83.9	85.7
39.0	49.8	59.2	67.6	72.7	79.1	81.8	82.3	83.7	84.9	85.0	85.5	86.1	86.2	88.0
39.6	50.9	60.9	69.3	74.8	81.4	84.1	84.8	86.0	87.3	87.4	87.9	88.5	88.5	90.3
42.1	51.3	61.8	70.2	75.7	82.3	85.0	85.7	87.0	88.3	88.3	88.9	89.5	89.6	91.4
40.1	51.7	62.1	70.6	76.1	82.9	85.7	86.4	87.6	88.9	89.1	89.6	90.1	90.2	92.0
40.1	51.7	62.3	71.1	76.8	84.1	87.0	87.8	89.2	90.3	90.6	91.1	91.7	91.7	93.5
40.2	51.9	62.7	71.3	77.3	84.3	87.5	88.6	90.0	91.3	91.4	91.9	92.3	92.6	94.4
40.3	52.2	63.1	72.2	78.1	85.6	88.7	89.6	91.0	92.4	92.6	93.0	93.6	93.7	95.3
40.3	52.2	63.1	72.3	78.2	86.0	89.0	90.1	91.4	92.9	93.0	93.3	94.1	94.2	96.0
40.3	52.2	63.1	72.4	78.3	86.1	89.2	90.3	91.7	93.2	93.3	93.8	94.4	94.5	96.3
40.3	52.2	63.1	72.4	78.3	86.1	89.3	90.3	92.0	93.6	93.7	94.3	94.9	95.0	96.8
40.3	52.2	63.1	72.4	78.3	86.1	89.4	90.6	92.1	93.8	93.9	94.6	95.4	95.5	97.3
40.3	52.2	63.1	72.4	78.3	86.1	89.4	90.6	92.1	93.8	93.9	94.6	95.4	95.5	98.7
40.3	52.2	63.1	72.4	78.3	86.1	89.4	90.6	92.1	93.8	93.9	94.6	95.4	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS

1438

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-67

21

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

9.6	11.1	13.3	16.1	17.4	18.8	19.9	20.2	20.9	21.3	21.6	21.9	22.6	22.7	23.1
10.3	12.0	14.8	17.8	19.3	21.2	22.4	22.7	23.4	23.9	24.2	24.5	25.3	25.4	27.7
10.3	12.0	14.8	17.8	19.3	21.2	22.4	22.7	23.4	23.9	24.2	24.5	25.3	25.4	27.7
10.3	12.0	14.8	17.8	19.3	21.2	22.4	22.7	23.4	23.9	24.2	24.5	25.3	25.4	27.7
10.3	12.2	15.0	17.9	19.6	21.3	22.5	22.9	23.6	24.2	24.4	24.7	25.3	25.6	27.9
10.9	12.6	15.4	18.4	20.1	21.8	23.0	23.4	24.1	24.6	24.8	25.1	25.9	26.0	28.4
11.6	13.3	16.2	19.1	20.8	22.6	23.8	24.2	24.9	25.5	25.7	26.0	26.8	26.9	29.3
13.7	15.6	19.1	22.3	24.1	26.1	27.4	27.8	28.7	29.3	29.5	29.8	30.6	30.7	33.1
15.2	17.2	20.7	24.3	26.4	28.7	30.0	30.5	31.4	32.2	32.4	32.7	33.3	33.6	36.0
16.3	18.3	22.2	25.8	28.2	30.8	32.2	32.6	33.8	34.6	34.8	35.1	36.0	36.0	38.4
17.6	19.7	23.6	27.6	29.9	33.2	34.7	35.1	36.6	37.4	37.7	38.0	38.8	38.8	41.3
17.8	20.0	24.0	28.1	30.6	34.2	35.8	36.2	37.7	38.5	38.8	39.1	39.9	40.0	42.5
18.3	20.8	25.1	29.1	31.9	36.0	37.5	38.0	39.5	40.3	40.5	40.8	41.7	41.8	44.3
19.3	21.8	26.3	30.4	33.3	37.7	39.6	40.2	41.7	42.6	42.8	43.1	44.0	44.1	46.7
20.3	23.0	28.0	32.2	35.4	39.7	41.7	42.3	43.9	44.9	45.1	45.4	46.3	46.4	49.0
21.3	24.7	30.0	34.8	38.3	42.8	44.9	45.6	47.1	48.4	48.6	48.9	49.8	49.9	52.5
22.3	26.3	32.7	38.2	42.3	47.0	49.3	50.0	51.6	52.9	53.1	53.4	54.3	54.4	57.0
23.4	27.4	34.4	40.4	44.6	49.4	51.7	52.5	54.0	55.3	55.5	55.8	56.8	56.9	59.5
25.1	30.1	38.0	44.4	49.1	54.1	56.6	57.4	59.2	60.6	60.9	61.2	62.1	62.2	64.8
26.6	32.3	41.7	49.1	53.9	59.3	62.2	63.0	64.9	66.3	66.6	67.0	68.0	68.1	70.7
27.2	33.4	43.1	51.0	56.0	62.1	65.2	66.1	68.1	69.3	69.8	70.2	71.2	71.2	73.9
27.4	33.7	43.7	52.0	57.2	63.7	66.8	67.8	69.8	71.1	71.5	71.8	72.8	72.9	75.5
27.5	33.9	44.6	53.2	59.2	66.3	69.3	70.6	72.6	73.9	74.3	74.6	75.6	75.7	78.4
27.6	34.3	45.0	54.0	60.7	68.2	71.5	72.6	74.7	76.1	76.5	76.8	77.8	77.9	80.7
27.7	34.6	45.4	54.9	62.3	69.9	73.5	74.6	76.7	78.4	78.8	79.2	80.1	80.2	83.0
27.7	34.8	46.0	56.0	63.8	72.4	76.6	77.9	80.3	82.3	82.8	83.2	84.3	84.4	87.2
27.7	34.8	46.2	56.5	64.8	74.6	78.9	80.2	82.8	85.1	85.7	86.1	87.2	87.4	90.4
27.7	34.8	46.2	56.7	65.2	75.8	80.4	81.9	85.2	88.0	88.6	89.0	90.2	90.4	93.6
27.7	34.8	46.2	56.7	65.2	75.9	80.7	82.3	85.7	88.7	89.3	89.9	91.3	91.3	95.6
27.7	34.8	46.2	56.7	65.2	75.9	80.7	82.3	85.7	88.7	89.6	90.2	92.1	92.3	98.0
27.7	34.8	46.2	56.7	65.2	75.9	80.7	82.3	85.8	88.8	89.7	90.4	92.4	92.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1349

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/ETAC

# CEILING VERSUS VISIBILITY

34055 SEEBACH AB GERMANY

59-72

REV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

0800-0500

8.4	9.8	11.8	14.4	15.6	17.2	18.2	18.2	16.7	19.3	19.3	19.4	19.7	19.9	23.0
9.7	11.1	13.2	16.1	17.7	19.5	20.4	20.6	21.1	21.6	21.6	21.7	22.1	22.2	23.0
9.7	11.1	13.2	16.1	17.7	19.5	20.4	20.6	21.1	21.6	21.6	21.7	22.1	22.2	23.0
9.8	11.2	13.3	16.3	17.8	19.7	20.5	20.7	21.2	21.8	21.8	21.9	22.2	22.3	26.0
10.0	11.5	13.6	16.5	18.1	19.9	20.8	21.0	21.5	22.1	22.1	22.2	22.6	22.7	26.0
10.1	11.5	13.6	16.7	18.4	20.3	21.1	21.4	21.9	22.5	22.5	22.6	23.1	23.2	26.0
10.6	12.0	14.1	17.3	19.1	21.1	22.2	22.4	22.9	23.6	23.6	23.7	24.1	24.3	27.0
11.6	13.1	15.3	18.7	20.5	22.6	23.8	24.1	24.6	25.5	25.6	25.7	26.2	26.3	30.0
13.2	14.8	17.3	20.9	22.7	25.0	26.2	26.6	27.1	28.0	28.1	28.2	28.6	28.8	32.0
14.1	15.8	18.4	21.9	23.9	26.5	27.8	28.4	29.1	30.3	30.4	30.6	31.0	31.1	34.0
15.1	17.2	20.2	24.0	26.1	29.0	30.5	31.2	32.0	33.1	33.4	33.5	33.9	34.1	37.0
15.8	17.9	21.0	24.9	27.0	30.3	31.8	32.5	33.3	34.4	34.7	34.9	35.4	35.5	39.0
16.8	19.0	22.1	26.2	28.5	32.0	33.5	34.3	35.1	36.3	36.6	36.7	37.3	37.4	41.0
18.0	20.3	23.6	28.2	30.7	34.4	35.9	36.7	37.6	38.8	39.1	39.3	39.8	40.0	43.0
18.8	21.6	25.5	30.3	32.9	37.0	38.5	39.3	40.2	41.6	41.9	42.0	42.6	42.7	46.0
19.6	22.6	27.1	32.5	35.3	39.7	41.2	42.0	42.9	44.3	44.6	44.8	45.4	45.5	49.0
21.7	25.8	30.8	36.8	40.0	43.0	46.6	47.5	48.4	49.9	50.1	50.4	50.9	51.1	55.0
22.0	26.3	31.6	37.8	41.1	46.3	47.9	48.8	49.7	51.2	51.5	51.7	52.3	52.4	56.0
23.3	28.2	34.9	41.5	45.0	50.4	52.1	52.9	53.8	55.5	55.8	56.1	56.6	56.8	60.0
25.0	31.0	37.6	47.0	51.2	56.9	58.8	59.6	60.6	62.4	62.7	63.0	63.6	63.7	67.0
26.0	32.7	41.9	49.6	54.2	60.4	62.7	63.5	64.6	66.6	66.9	67.2	67.8	67.9	71.0
26.4	33.2	42.6	50.3	55.2	61.6	64.3	65.1	66.3	68.3	68.6	68.9	69.4	69.6	73.0
26.6	33.5	43.1	51.4	56.8	63.5	66.3	67.2	68.4	70.4	70.7	71.0	71.6	71.7	75.0
26.7	33.8	43.9	52.7	58.5	65.9	68.8	69.7	70.9	73.0	73.3	73.6	74.1	74.3	78.0
26.9	34.2	44.6	53.8	60.3	68.6	71.8	72.7	74.0	76.2	76.5	76.8	77.4	77.6	81.0
26.9	34.3	45.0	54.5	61.5	70.7	74.2	75.3	76.5	79.5	79.8	80.1	81.0	81.1	85.0
26.9	34.3	45.0	54.7	62.6	72.6	76.5	77.9	79.5	82.4	82.7	83.2	84.2	84.4	88.0
26.9	34.3	45.1	55.0	63.1	73.7	78.1	79.7	81.6	84.9	85.3	86.0	87.1	87.2	91.0
26.9	34.3	45.1	55.0	63.2	73.9	78.4	80.1	82.3	86.1	86.6	87.1	88.6	88.8	94.0
26.9	34.3	45.1	55.0	63.2	74.0	78.8	80.8	83.2	87.2	87.8	88.3	89.7	90.0	97.0
26.9	34.3	45.1	55.0	63.2	74.0	78.8	80.8	83.2	87.4	88.0	88.5	90.0	90.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1414

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

5972

ACV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

7.3	8.3	10.5	12.3	13.0	14.1	15.0	15.3	16.4	16.8	16.8	17.0	17.4	17.5	20.1
9.0	10.2	12.5	14.6	15.7	17.2	18.1	18.2	19.6	20.1	20.1	20.3	20.9	21.0	23.8
9.0	10.2	12.5	14.6	15.7	17.2	18.1	18.5	19.6	20.1	20.1	20.3	20.9	21.0	23.8
9.2	10.3	12.6	14.7	15.8	17.3	18.2	18.6	19.8	20.2	20.2	20.4	21.0	21.1	23.9
9.3	10.5	12.7	14.9	15.9	17.5	18.4	18.8	20.0	20.5	20.5	20.7	21.3	21.4	24.2
9.4	10.6	12.9	15.1	16.1	17.7	18.6	19.0	20.2	20.7	20.7	20.9	21.5	21.6	24.4
9.7	11.0	13.3	15.5	16.6	18.1	19.0	19.4	20.8	21.4	21.4	21.6	22.2	22.4	25.1
10.1	11.4	13.7	16.0	17.1	18.8	19.8	20.3	21.7	22.4	22.4	22.5	23.1	23.3	26.2
11.0	12.2	14.7	17.2	18.2	19.9	21.0	21.7	23.1	23.8	23.8	24.0	24.6	24.8	27.7
12.3	13.6	16.0	18.6	19.8	21.8	22.8	23.6	25.0	25.9	25.9	26.1	26.7	26.8	29.5
13.3	14.7	17.2	19.8	21.2	23.2	24.2	25.0	26.5	27.4	27.3	27.7	28.5	28.6	31.6
14.3	15.9	18.7	21.8	23.3	25.7	26.7	27.5	29.0	30.0	30.0	30.3	31.1	31.2	34.4
15.1	16.7	19.6	22.7	24.5	27.0	28.1	28.9	30.5	31.4	31.4	31.7	32.6	32.7	35.9
16.2	17.9	20.9	24.4	26.3	28.9	30.0	31.0	32.6	33.5	33.6	33.9	34.9	35.0	38.2
17.7	19.5	23.1	26.5	28.8	31.6	32.9	33.9	35.5	36.5	36.5	36.8	37.8	37.9	41.1
19.2	22.0	25.5	29.8	32.0	34.9	36.5	37.6	39.4	40.5	40.5	40.8	42.0	42.1	45.3
20.3	23.4	27.5	32.2	34.8	37.8	39.6	40.6	42.6	43.7	43.7	44.1	45.3	45.4	48.6
21.8	25.5	30.1	35.2	38.0	41.5	43.4	44.5	46.5	47.6	47.8	48.2	49.4	49.5	52.8
22.5	26.3	31.3	36.3	39.5	43.2	45.1	46.2	48.2	49.3	49.5	49.9	51.1	51.2	54.5
23.6	28.3	34.4	40.5	43.7	47.6	49.6	50.7	52.8	53.9	54.1	54.5	55.6	55.8	59.1
25.1	31.1	38.4	45.4	48.9	53.4	55.6	56.7	58.9	60.0	60.3	60.8	61.9	62.1	65.4
25.9	32.5	40.5	47.7	51.7	56.5	58.9	60.1	62.3	63.5	63.8	64.3	65.5	65.6	68.9
26.0	33.0	41.4	49.2	53.3	58.2	60.8	62.1	64.3	65.5	65.8	66.2	67.4	67.6	70.9
26.4	33.8	42.5	50.9	55.6	61.0	63.7	65.0	67.2	68.5	68.7	69.2	70.4	70.6	73.9
26.5	33.9	43.0	51.8	56.9	63.1	66.1	67.6	70.0	71.3	71.6	72.1	73.4	73.5	76.9
26.7	34.4	43.9	52.2	58.9	66.0	69.3	71.0	73.6	74.9	75.2	75.7	76.9	77.1	80.4
26.7	34.4	44.2	53.9	60.2	68.1	71.5	73.6	76.4	78.0	78.4	78.9	80.2	80.3	83.7
26.7	34.4	44.4	54.0	60.6	69.1	73.0	75.6	78.7	80.6	81.0	81.6	82.8	83.0	86.7
26.7	34.4	44.6	54.5	61.2	70.0	74.5	77.6	81.2	83.5	83.9	84.5	86.0	86.2	90.1
26.7	34.4	44.6	54.5	61.4	70.7	75.4	78.8	82.6	85.3	86.0	87.1	89.1	89.2	94.7
26.7	34.4	44.6	54.5	61.5	70.8	75.5	78.9	82.9	85.7	86.4	87.8	90.3	90.4	97.7
26.7	34.4	44.6	54.5	61.5	70.8	75.5	78.9	82.9	85.8	86.5	87.8	90.3	90.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1539

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

ADV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

000-1100

7.2	8.5	10.7	11.6	12.2	13.4	13.9	14.1	14.5	14.9	14.9	15.0	15.5	15.5	16.1
9.7	11.3	13.8	15.0	15.6	17.0	17.7	18.1	18.5	18.9	19.1	19.1	19.7	19.7	20.5
9.7	11.3	13.8	15.1	15.7	17.2	17.8	18.2	18.7	19.1	19.2	19.3	19.8	19.8	20.6
9.7	11.3	13.9	15.2	15.8	17.2	17.9	18.3	18.7	19.1	19.3	19.3	19.9	19.9	20.7
9.8	11.6	14.1	15.4	16.1	17.5	18.2	18.5	19.1	19.5	19.6	19.6	20.2	20.2	21.0
10.3	12.2	14.5	16.2	16.9	18.3	18.9	19.3	19.8	20.2	20.4	20.4	21.0	21.0	21.8
11.0	12.8	15.5	17.0	17.6	19.1	19.7	20.1	20.9	21.3	21.5	21.5	22.1	22.1	22.9
11.6	13.4	16.1	17.6	18.2	19.9	20.6	21.1	21.9	22.5	22.6	22.7	23.4	23.4	24.1
12.8	14.7	17.6	19.3	20.0	22.0	22.8	23.4	24.3	25.1	25.3	25.4	26.0	26.0	26.8
13.8	15.9	19.0	20.9	21.7	23.7	24.6	25.3	26.2	27.1	27.3	27.4	28.0	28.0	29.0
14.4	16.8	19.9	21.9	22.8	24.9	25.8	26.5	27.5	28.6	28.8	28.8	29.5	29.5	30.4
15.7	18.2	21.5	23.6	24.7	27.1	27.9	28.7	29.7	31.0	31.2	31.2	31.9	31.9	33.1
15.9	18.6	22.2	24.5	25.8	28.2	29.1	29.9	30.9	32.1	32.3	32.4	33.1	33.1	34.3
16.6	19.6	23.5	26.2	27.7	30.1	31.1	31.9	33.0	34.2	34.4	34.5	35.3	35.3	36.5
17.3	20.4	24.4	27.3	28.8	31.4	32.5	33.4	34.5	35.8	36.0	36.0	36.8	36.8	38.1
19.5	22.7	27.1	30.1	31.9	34.7	36.1	37.1	38.3	39.8	40.0	40.1	41.0	41.0	42.4
21.8	25.2	30.1	33.3	35.4	38.3	39.8	40.8	42.3	43.9	44.1	44.2	45.2	45.2	46.6
23.6	27.6	33.3	37.1	39.2	42.2	44.0	45.3	47.1	48.9	49.3	49.4	50.4	50.4	51.9
24.6	28.9	35.3	39.4	41.8	44.8	46.8	48.0	49.8	51.6	52.0	52.1	53.2	53.2	54.6
26.6	31.4	38.5	43.1	45.6	48.9	50.9	52.3	54.4	56.3	56.8	56.9	58.0	58.0	59.4
28.5	34.3	42.4	47.7	50.6	54.7	57.0	58.6	60.9	63.0	63.6	63.7	64.7	64.7	66.2
28.7	35.2	43.9	49.3	52.4	57.1	59.6	61.2	63.7	65.9	66.4	66.6	67.6	67.6	69.2
28.9	35.7	44.6	50.3	53.6	58.6	61.4	63.1	65.8	68.1	68.8	68.9	70.0	70.0	71.6
29.0	36.2	45.8	52.2	56.1	61.6	64.7	66.6	69.5	71.8	72.5	72.6	73.7	73.7	75.3
29.1	36.7	46.8	53.7	58.0	63.8	67.1	69.1	72.3	74.7	75.3	75.5	76.6	76.6	78.3
29.3	37.2	48.0	55.3	59.9	66.1	69.7	71.8	75.3	77.8	78.5	78.7	79.9	79.9	81.7
29.3	37.3	48.7	56.3	61.2	67.9	72.5	74.8	78.7	81.3	81.9	82.2	83.5	83.5	85.3
29.3	37.3	48.8	56.7	61.7	68.7	74.0	76.6	80.9	83.8	84.5	84.9	86.3	86.3	88.3
29.3	37.3	48.8	56.8	62.1	69.5	75.0	77.9	82.9	86.7	87.6	88.4	90.2	90.2	92.6
29.3	37.3	48.8	56.9	62.2	69.6	75.3	78.1	83.2	87.4	88.5	89.3	92.1	92.1	94.0
29.3	37.3	48.8	56.9	62.2	69.6	75.3	78.1	83.3	87.5	88.6	90.0	92.7	92.7	94.6
29.3	37.3	48.8	56.9	62.2	69.6	75.3	78.1	83.3	87.5	88.6	90.0	92.7	92.7	94.6

TOTAL NUMBER OF OBSERVATIONS

1337

1  
 DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

52-72

REV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1200-1400

9.4	10.7	13.0	13.9	14.7	15.2	15.4	15.4	15.6	15.6	15.6	15.6	15.7	15.7	15.8
13.0	14.8	17.4	19.0	20.0	20.6	20.8	20.8	21.0	21.0	21.0	21.0	21.1	21.1	21.3
13.0	14.8	17.6	19.1	20.1	20.8	20.9	20.9	21.1	21.1	21.1	21.1	21.2	21.3	21.4
13.1	15.0	17.9	19.5	20.8	21.1	21.3	21.3	21.5	21.5	21.5	21.6	21.7	21.7	21.8
13.9	16.0	18.9	20.6	21.6	22.2	22.4	22.4	22.6	22.6	22.6	22.7	22.8	22.8	22.9
14.8	16.9	19.7	21.4	22.4	23.2	23.5	23.5	23.7	23.9	23.9	23.9	24.0	24.0	24.1
15.6	17.8	20.8	22.6	23.6	24.5	24.8	24.8	25.0	25.2	25.2	25.2	25.3	25.3	25.4
17.3	19.6	23.2	25.2	26.3	27.5	27.8	27.8	28.0	28.1	28.1	28.2	28.3	28.3	28.4
18.5	21.3	24.8	27.1	28.3	29.6	29.9	30.0	30.2	30.4	30.4	30.5	30.5	30.5	30.7
19.3	22.3	25.9	28.3	29.5	30.8	31.1	31.2	31.3	31.5	31.5	31.5	31.5	31.9	32.0
20.8	23.6	27.4	30.0	31.4	32.7	33.0	33.1	33.4	33.7	33.7	33.8	33.9	33.9	34.0
20.7	24.2	28.3	31.0	32.6	33.9	34.4	34.4	34.8	35.1	35.1	35.1	35.2	35.2	35.3
22.0	25.8	30.3	33.1	35.0	36.3	36.8	36.9	37.3	37.7	37.9	37.9	38.0	38.0	38.2
24.2	28.3	33.2	36.4	38.3	39.8	40.3	40.3	41.1	41.3	41.6	41.7	41.8	41.8	42.0
26.3	30.9	35.9	39.2	41.2	42.9	43.7	43.8	44.4	45.0	45.1	45.2	45.3	45.3	45.5
30.0	35.1	40.1	43.8	45.7	47.7	48.6	48.7	49.3	49.9	50.1	50.3	50.3	50.3	50.5
33.1	38.7	44.4	48.3	50.3	52.7	53.9	54.3	55.1	55.8	56.0	56.1	56.2	56.2	56.4
34.2	40.3	46.7	50.8	53.0	55.3	56.5	56.9	57.7	58.4	58.6	58.8	58.9	58.9	59.1
36.4	43.2	50.3	54.9	57.3	60.0	61.2	61.7	62.6	63.5	63.7	63.9	64.0	64.0	64.2
38.6	46.7	54.6	60.3	63.4	66.5	67.8	68.3	69.6	70.4	70.8	70.9	71.1	71.1	71.3
39.8	48.2	56.9	63.7	66.9	70.2	72.0	72.9	74.1	75.0	75.3	75.5	75.7	75.7	75.9
39.9	48.8	58.2	66.1	69.3	73.0	75.2	76.1	77.3	78.3	78.6	78.8	79.0	79.0	79.2
40.2	49.3	59.5	68.1	72.2	76.3	78.7	79.7	81.1	82.1	82.4	82.6	82.9	82.9	83.1
40.3	49.9	60.0	68.8	73.3	77.7	80.3	81.6	83.1	84.1	84.6	84.8	85.0	85.1	85.3
40.3	50.0	60.2	69.3	74.0	78.6	81.8	82.9	84.6	85.7	86.2	86.6	86.8	86.9	87.2
40.7	50.3	60.8	70.1	75.7	80.3	84.2	85.5	87.3	88.9	89.3	89.9	90.3	90.3	90.6
40.7	50.3	60.8	70.3	76.3	81.6	85.6	87.0	89.5	91.1	91.8	92.2	92.0	92.1	92.3
40.7	50.3	60.8	70.4	76.3	82.0	86.3	87.7	90.8	92.6	93.6	94.3	95.1	95.2	95.6
40.7	50.3	60.8	70.4	76.6	82.2	86.5	88.0	91.2	93.2	94.4	95.4	96.6	96.7	98.4
40.7	50.3	60.8	70.4	76.6	82.2	86.5	88.0	91.2	93.3	94.4	95.6	97.0	97.0	99.9
40.7	50.3	60.8	70.4	76.6	82.2	86.5	88.0	91.2	93.3	94.4	95.6	97.0	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1342



1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1500-1700

12.7	14.3	16.4	18.1	18.4	18.8	19.4	19.5	19.5	19.6	19.6	19.7	19.7	19.7	19.8
17.3	19.6	22.3	24.3	24.9	25.4	26.1	26.3	26.5	26.7	26.8	26.9	26.9	26.9	27.0
17.3	19.7	22.4	24.4	24.9	25.4	26.2	26.4	26.6	26.8	26.9	26.9	27.0	27.1	27.1
17.3	19.7	22.5	24.5	25.0	25.5	26.3	26.5	26.7	26.9	26.9	27.0	27.1	27.1	27.1
17.5	19.9	22.6	24.7	25.3	25.8	26.6	26.8	27.0	27.2	27.2	27.3	27.4	27.4	27.4
18.6	21.1	23.8	26.0	26.6	27.2	28.1	28.3	28.5	28.7	28.8	28.9	28.9	28.9	29.0
19.5	22.1	25.0	27.2	27.9	28.6	29.6	29.8	30.1	30.3	30.4	30.4	30.5	30.5	30.6
20.2	22.8	25.8	28.3	28.9	29.8	30.9	31.1	31.4	31.6	31.7	31.7	31.8	31.8	31.8
21.7	24.7	28.0	30.7	31.5	32.5	33.5	33.9	34.2	34.4	34.4	34.5	34.6	34.6	34.6
23.6	26.8	30.2	33.2	34.1	35.1	36.2	36.6	36.9	37.2	37.2	37.3	37.4	37.4	37.5
24.3	27.9	31.5	34.4	35.3	36.3	37.7	38.1	38.4	38.6	38.7	38.8	38.9	38.9	39.0
26.3	30.3	33.9	37.0	38.1	39.2	40.4	40.7	41.2	41.7	41.7	41.9	42.1	42.1	42.1
27.2	31.2	35.1	38.4	39.4	40.6	41.8	42.1	42.7	43.1	43.2	43.4	43.6	43.6	43.6
29.5	33.3	37.6	40.8	41.9	43.2	44.6	45.0	45.8	46.3	46.4	46.6	46.8	46.8	46.9
31.2	35.5	39.9	43.2	44.7	46.0	47.4	47.9	48.7	49.3	49.3	49.5	49.7	49.7	49.8
32.9	37.5	42.0	45.9	47.3	48.9	50.5	50.9	51.9	52.5	52.6	52.8	53.0	53.0	53.1
35.9	41.3	46.1	50.0	51.5	53.2	55.0	55.4	56.4	57.0	57.1	57.3	57.6	57.6	57.7
39.4	45.9	51.0	55.6	57.4	59.4	61.2	61.7	62.8	63.5	63.6	63.8	64.1	64.1	64.1
40.3	47.3	52.9	57.9	59.8	61.9	63.8	64.3	65.4	66.1	66.1	66.4	66.7	66.7	66.7
41.5	48.7	55.4	61.2	63.4	65.8	68.0	68.5	69.8	70.5	70.6	70.9	71.1	71.1	71.2
42.8	50.6	57.9	65.0	67.5	70.6	72.9	73.7	75.1	75.9	76.0	76.2	76.5	76.6	76.6
43.2	51.2	59.1	67.1	69.8	73.1	75.5	76.2	78.0	78.7	78.8	79.2	79.4	79.5	79.5
43.4	51.7	59.9	68.2	71.2	73.0	77.5	78.4	80.2	81.0	81.1	81.4	81.7	81.9	81.9
43.7	52.2	60.8	69.6	73.1	77.4	80.4	81.4	83.2	84.1	84.2	84.5	84.8	85.0	85.0
43.9	52.6	61.4	71.0	74.6	79.3	82.5	83.6	85.6	86.8	87.0	87.3	87.4	87.8	87.8
44.0	52.8	61.7	71.7	75.3	80.6	84.3	85.4	87.5	88.8	89.0	89.3	89.7	89.9	90.0
44.0	52.8	61.9	71.9	76.0	81.8	85.6	86.9	89.0	90.3	90.7	91.4	91.8	92.0	92.1
44.0	52.8	61.9	72.0	76.1	82.2	86.1	87.6	90.4	91.9	92.6	93.4	93.9	94.0	94.4
44.0	52.8	61.9	72.0	76.2	82.4	86.6	88.2	91.3	93.1	93.8	94.9	95.3	95.7	96.3
44.0	52.8	61.9	72.0	76.3	82.6	86.8	88.3	91.6	93.9	94.8	95.9	97.0	97.2	98.4
44.0	52.8	61.9	72.0	76.3	82.6	86.8	88.3	91.7	94.0	94.9	96.1	97.4	97.7	99.8
44.0	52.8	61.9	72.0	76.3	82.6	86.8	88.3	91.7	94.0	94.9	96.1	97.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1545

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-67

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1800-2000

9.9	13.6	15.9	18.1	19.9	21.9	22.4	23.0	23.3	23.3	23.3	23.4	23.4	23.4	24.1
12.9	17.0	19.6	22.7	25.0	27.3	27.8	28.4	28.9	29.0	29.1	29.2	29.3	29.3	30.1
12.9	17.0	19.6	22.7	25.0	27.3	27.8	28.4	28.9	29.0	29.1	29.2	29.3	29.3	30.1
12.9	17.1	19.7	22.7	25.0	27.3	27.9	28.4	29.0	29.1	29.2	29.3	29.3	29.3	30.4
13.4	17.6	20.2	23.4	25.7	28.1	28.7	29.3	29.9	30.1	30.1	30.2	30.3	30.3	31.3
14.1	18.5	21.3	24.4	26.8	29.2	29.9	30.5	31.1	31.3	31.3	31.4	31.5	31.5	32.5
14.8	19.2	21.9	25.1	27.6	30.0	30.9	31.5	32.1	32.2	32.3	32.4	32.4	32.4	33.5
15.6	20.1	23.1	26.8	29.3	31.9	32.9	33.6	34.2	34.4	34.4	34.6	34.7	34.7	35.7
17.3	21.9	25.0	29.1	31.7	34.4	35.5	36.3	36.9	37.1	37.2	37.3	37.4	37.4	38.4
18.6	23.1	26.4	30.6	33.4	36.2	37.6	38.4	39.0	39.2	39.3	39.4	39.5	39.5	40.5
19.9	24.4	28.0	32.4	35.4	38.7	40.0	40.9	41.8	42.1	42.2	42.4	42.5	42.5	43.6
20.7	25.4	29.3	34.1	37.1	40.4	41.8	42.7	43.7	44.1	44.1	44.3	44.4	44.4	45.5
21.8	26.5	30.5	35.3	38.8	42.4	44.0	44.9	45.9	46.3	46.6	46.7	46.9	46.9	47.9
22.6	27.6	31.9	37.0	40.7	44.3	46.0	46.9	47.9	48.7	48.7	49.0	49.1	49.1	50.1
23.5	28.8	33.6	39.2	43.3	47.0	48.7	49.6	50.7	51.5	51.6	51.8	52.0	52.0	53.0
25.3	31.0	36.4	42.7	47.3	51.3	53.2	54.1	55.2	56.0	56.1	56.3	56.5	56.5	57.6
26.8	33.8	40.5	47.4	52.4	56.9	59.0	59.9	61.0	61.9	62.0	62.2	62.4	62.4	63.5
27.0	34.1	41.3	48.5	53.6	58.3	60.4	61.3	62.6	63.4	63.6	63.8	64.0	64.0	65.0
27.8	35.5	44.3	51.9	57.4	62.8	65.0	66.0	67.1	67.9	68.1	68.3	68.5	68.5	69.6
29.5	37.6	47.2	56.1	62.9	69.0	71.4	72.5	73.8	74.7	74.8	75.0	75.3	75.3	76.3
29.8	38.1	48.4	57.8	65.1	71.6	74.1	75.3	76.7	77.7	77.9	78.1	78.3	78.3	79.3
30.0	38.4	49.0	58.9	66.6	73.3	76.1	77.4	78.8	79.9	80.0	80.2	80.4	80.4	81.5
30.2	38.9	49.5	59.9	67.9	75.6	78.8	80.1	81.6	82.9	83.2	83.4	83.6	83.6	84.7
30.3	39.0	49.6	60.3	69.0	77.1	80.5	81.8	83.3	84.8	85.1	85.3	85.6	85.6	86.6
30.3	39.1	49.7	60.8	69.6	78.1	81.6	82.9	84.3	86.1	86.3	86.7	87.0	87.0	88.0
30.3	39.2	49.9	61.1	70.0	78.9	83.0	84.4	86.2	87.9	88.5	88.7	89.0	89.0	90.0
30.3	39.3	49.9	61.3	70.4	79.6	84.4	86.1	88.1	90.1	90.9	91.1	91.4	91.4	92.7
30.3	39.3	49.9	61.3	70.7	79.9	85.2	87.0	89.2	91.9	92.7	92.9	93.3	93.3	95.1
30.3	39.3	49.9	61.3	70.7	80.1	85.6	87.6	90.1	93.0	94.0	94.4	95.3	95.3	97.7
30.3	39.3	49.9	61.3	70.7	80.1	85.6	87.6	90.1	93.0	94.0	94.6	95.9	96.1	98.7
30.3	39.3	49.9	61.3	70.7	80.1	85.6	87.6	90.1	93.1	94.1	94.7	96.0	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1350

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

53-67

REV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2100-2300

11.0	13.4	15.3	17.5	18.9	20.5	21.4	21.8	22.8	22.9	23.0	23.1	23.7	23.7	25.1
12.5	13.0	17.6	20.2	22.5	24.2	25.3	25.6	26.7	26.8	26.9	27.0	27.7	27.7	29.1
12.6	15.1	17.6	20.3	22.5	24.3	25.4	25.7	26.8	26.9	27.0	27.1	27.7	27.7	29.1
12.7	15.2	17.7	20.4	22.6	24.4	25.4	25.8	26.8	27.0	27.1	27.1	27.8	27.8	29.2
13.1	15.6	18.2	20.8	23.1	24.8	25.9	26.2	27.3	27.4	27.5	27.6	28.2	28.2	29.7
13.6	16.2	18.7	21.3	23.6	25.4	26.4	26.8	27.8	27.9	28.1	28.2	28.8	28.8	30.2
14.5	17.1	19.7	22.4	24.6	26.4	27.4	27.8	28.8	29.0	29.2	29.3	29.9	29.9	31.4
15.6	18.9	22.0	25.0	27.3	29.1	30.2	30.6	31.8	31.9	32.2	32.2	32.9	32.9	34.3
18.1	21.4	24.8	28.2	30.8	32.7	33.8	34.2	35.6	35.7	36.0	36.0	36.7	36.7	38.1
19.0	22.5	26.1	29.6	32.5	34.7	35.9	36.3	37.8	38.0	38.2	38.3	38.9	38.9	40.3
20.0	23.7	27.6	31.3	34.5	37.2	38.4	39.3	40.7	40.8	41.2	41.2	42.0	42.0	43.4
20.8	24.8	28.7	32.8	36.3	39.2	40.4	41.4	42.8	43.0	43.4	43.6	44.4	44.4	45.8
21.4	25.4	29.5	33.8	37.8	41.3	42.6	43.6	45.0	45.2	45.7	45.9	46.7	46.7	48.1
21.9	25.9	30.5	34.8	38.8	42.5	44.2	45.1	46.6	46.8	47.3	47.4	48.3	48.3	49.7
23.2	27.5	32.4	36.8	41.5	45.5	47.3	48.3	49.7	50.0	50.5	50.7	51.5	51.5	53.1
24.7	29.7	35.5	40.9	46.3	51.1	52.9	53.8	55.3	55.7	56.3	56.5	57.3	57.3	58.9
26.3	31.9	38.7	44.3	50.2	55.2	57.2	58.1	59.7	60.1	60.6	60.9	61.7	61.7	63.2
27.1	32.6	40.0	45.8	52.0	57.2	59.2	60.1	61.7	62.1	62.6	62.9	63.7	63.7	65.2
27.8	33.7	41.9	48.0	54.5	60.0	62.0	62.9	64.7	65.2	65.8	66.0	66.9	66.9	68.5
28.2	34.6	44.0	51.1	58.4	64.2	66.4	67.4	69.2	69.7	70.3	70.3	71.3	71.4	72.9
28.6	35.0	45.7	53.9	61.5	67.8	70.1	71.2	73.0	73.6	74.2	74.4	75.2	75.3	76.9
28.8	35.6	46.0	54.6	62.4	69.3	71.9	73.0	74.8	75.4	76.0	76.2	77.0	77.1	78.7
28.7	35.8	46.4	55.7	64.0	71.8	74.2	75.3	77.2	77.9	78.5	78.8	79.6	79.7	81.2
28.9	36.2	47.1	56.9	65.8	73.8	76.3	77.5	79.4	80.1	80.7	81.0	81.8	81.9	83.5
29.0	36.7	47.5	57.6	66.6	74.9	77.6	78.9	80.9	81.6	82.7	83.0	83.8	83.8	85.4
29.1	36.8	47.7	58.0	67.3	76.2	79.0	80.3	82.6	83.3	84.3	84.9	85.7	85.8	87.3
29.1	36.9	47.8	58.3	68.1	77.6	80.9	82.4	84.9	85.1	87.2	87.5	88.4	88.4	90.0
29.1	37.0	47.9	58.4	68.4	78.7	82.2	83.8	86.4	86.5	89.7	90.1	91.0	91.1	92.6
29.1	37.0	47.9	58.4	68.4	78.9	82.7	84.3	87.0	87.3	90.7	91.2	92.2	92.4	93.9
29.2	37.1	48.0	58.5	68.5	79.1	82.8	84.4	87.8	87.8	91.3	92.0	93.0	93.8	95.3
29.2	37.1	48.0	58.5	68.5	79.1	82.8	84.4	87.8	87.8	91.4	92.1	94.3	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS

1349

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

59-07

CEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0000-0200

7.2	8.7	11.7	13.7	15.5	17.4	19.5	20.5	20.5	21.2	21.6	22.0	22.7	22.8	23.6
7.7	9.3	12.6	14.7	16.6	18.9	21.2	22.1	22.3	23.0	23.4	23.8	24.3	24.6	25.4
7.7	9.3	12.6	14.8	16.7	19.0	21.3	22.2	22.4	23.0	23.5	23.9	24.5	24.7	25.5
7.7	9.3	12.6	14.8	16.7	19.0	21.3	22.2	22.5	23.2	23.7	24.1	24.7	24.9	25.7
7.8	9.4	12.6	15.0	16.9	19.3	21.6	22.5	22.8	23.5	24.0	24.4	25.0	25.2	26.0
8.1	9.7	12.9	15.7	17.7	20.2	22.6	23.7	24.0	24.7	25.2	25.6	26.3	26.4	27.2
8.4	10.0	13.4	16.2	18.4	20.9	23.3	24.5	24.7	25.5	25.9	26.3	27.0	27.1	28.0
9.3	11.3	14.6	17.4	19.8	22.3	24.9	26.0	26.4	27.1	27.5	28.0	28.6	28.8	29.8
10.6	12.3	16.2	19.1	21.4	24.2	26.5	27.7	28.0	28.8	29.3	29.8	30.6	30.7	31.7
11.6	13.6	17.4	20.7	23.1	25.8	28.2	29.3	29.7	30.4	30.9	31.4	32.2	32.4	33.4
12.6	14.6	18.4	22.2	24.8	27.5	29.9	31.1	31.4	32.1	32.6	33.1	33.9	34.1	35.1
13.3	15.4	19.4	23.2	25.8	28.6	31.1	32.2	32.7	33.4	33.9	34.4	35.2	35.4	36.4
13.1	17.4	21.6	25.3	28.1	31.1	33.3	34.6	35.2	35.9	36.4	36.9	37.7	37.8	39.0
16.0	18.4	23.0	27.3	29.9	33.0	35.6	36.7	37.2	38.1	38.7	39.2	40.0	40.1	41.2
17.1	19.6	24.2	28.8	31.3	34.6	37.2	38.4	38.9	39.7	40.3	40.8	41.6	41.8	42.9
18.8	21.3	26.5	31.4	34.3	37.3	40.1	41.3	42.0	42.8	43.3	44.0	44.8	45.0	46.1
20.4	23.2	28.5	34.0	37.1	40.7	43.4	44.6	45.4	46.4	47.1	47.6	48.4	48.6	49.7
21.2	24.2	29.7	35.6	38.8	42.3	45.3	46.7	47.3	48.4	49.1	49.6	50.4	50.6	51.7
22.3	25.7	32.1	38.1	41.9	45.9	48.8	50.1	50.8	51.9	52.5	53.0	53.9	54.0	55.2
24.0	28.9	36.2	42.6	46.7	51.1	54.1	55.3	56.3	57.7	58.4	58.9	59.8	60.0	61.1
24.9	30.8	39.3	46.7	51.1	55.8	58.8	60.3	61.4	62.6	63.3	63.8	64.8	64.9	66.1
25.3	31.8	40.9	48.4	53.2	58.3	61.3	63.0	64.2	65.4	66.4	66.9	67.8	67.9	69.1
26.0	32.8	43.0	51.0	56.4	62.3	65.6	67.1	68.3	69.5	70.4	70.9	71.9	72.0	73.2
26.1	33.4	44.3	53.3	59.3	66.2	69.9	71.4	72.7	74.1	75.0	75.6	76.3	76.7	77.8
26.2	33.8	45.2	54.9	61.0	68.7	72.7	74.2	75.7	77.2	78.1	78.7	79.6	79.8	81.0
26.2	34.1	46.0	56.3	62.7	71.3	75.3	77.0	78.1	80.0	81.0	82.3	83.3	83.6	84.9
26.2	34.1	46.0	56.3	63.3	73.4	77.4	79.7	81.6	83.5	84.4	85.1	86.1	86.2	87.6
26.2	34.1	46.0	56.8	64.1	74.2	79.8	82.7	85.6	88.5	90.3	91.2	92.0	92.1	93.6
26.2	34.1	46.0	56.8	64.2	74.3	80.0	82.9	85.9	89.0	90.2	91.0	92.0	92.1	93.7
26.2	34.1	46.0	56.8	64.2	74.3	80.0	82.9	85.9	89.0	90.2	91.1	92.1	92.2	93.8

TOTAL NUMBER OF OBSERVATIONS

1394

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY

59-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0800-0900

7.7	9.0	11.8	13.9	15.3	17.0	18.3	19.2	19.8	20.2	20.6	20.9	21.6	21.6	22.4
8.7	10.1	13.1	15.2	16.7	18.3	19.8	20.7	21.2	21.7	22.1	22.4	23.1	23.1	23.9
8.7	10.1	13.1	15.2	16.7	18.3	19.8	20.7	21.2	21.7	22.1	22.4	23.1	23.1	23.9
8.7	10.1	13.1	15.2	16.7	18.3	19.8	20.7	21.2	21.7	22.1	22.4	23.1	23.1	23.9
8.8	10.2	13.2	15.3	17.1	19.0	20.3	21.2	21.7	22.2	22.5	22.9	23.6	23.6	24.5
9.0	10.3	13.6	16.0	17.7	19.6	20.9	21.9	22.5	22.9	23.3	23.6	24.3	24.3	25.3
9.2	10.7	13.8	16.2	17.9	19.8	21.2	22.2	22.7	23.3	23.6	24.0	24.6	24.6	25.6
9.4	11.0	14.3	16.6	18.3	20.2	21.6	22.6	23.2	23.8	24.1	24.4	25.1	25.1	26.1
10.7	12.4	15.9	18.3	20.2	22.3	23.8	24.8	25.5	26.1	26.5	26.9	27.6	27.6	28.5
12.0	13.6	17.3	19.8	21.8	24.1	25.6	26.6	27.3	28.0	28.4	28.8	29.3	29.3	30.4
13.4	15.2	19.0	21.9	24.0	26.3	27.8	28.8	29.5	30.1	30.6	31.0	31.8	31.8	32.8
14.0	15.8	19.8	22.9	25.1	27.4	28.9	29.9	30.6	31.3	31.8	32.1	33.0	33.0	33.9
15.0	16.8	21.2	24.4	26.7	29.3	30.9	32.0	32.7	33.4	33.9	34.2	35.1	35.1	36.0
15.8	17.9	22.3	25.8	28.0	30.8	32.3	33.6	34.4	35.1	35.6	35.9	36.8	36.8	37.7
17.3	19.0	24.4	27.7	30.2	33.1	34.8	36.0	36.8	37.3	37.9	38.3	39.2	39.2	40.1
18.7	21.7	26.6	29.9	32.9	35.9	37.7	38.8	39.6	40.3	40.8	41.1	42.0	42.0	43.0
20.3	23.7	29.3	32.9	35.8	39.0	40.9	42.1	42.9	43.6	44.1	44.5	45.3	45.3	46.3
21.3	24.8	30.6	34.4	37.7	41.0	42.9	44.1	44.9	45.6	46.0	46.4	47.3	47.3	48.3
22.3	26.6	33.1	37.1	40.8	44.3	46.2	47.4	48.3	49.0	49.5	49.9	50.8	50.8	51.7
24.7	30.6	38.2	42.4	46.7	50.8	53.0	54.3	55.3	56.0	56.5	57.0	57.8	57.8	58.9
25.9	32.6	40.9	45.6	50.1	54.6	57.0	58.3	59.6	60.4	60.9	61.4	62.3	62.3	63.4
26.3	33.7	42.7	47.9	52.7	57.3	59.7	61.4	62.7	63.3	64.0	64.3	65.4	65.4	66.6
27.0	34.3	43.9	49.9	53.1	60.4	63.1	64.6	65.9	66.7	67.2	67.7	68.8	68.8	69.8
27.2	35.4	45.1	52.3	55.3	63.3	65.1	66.9	68.1	69.0	71.1	72.2	72.9	74.1	75.3
27.3	36.1	46.2	54.1	60.4	67.9	71.2	73.0	74.3	75.8	76.3	76.8	77.9	77.9	79.0
27.3	36.3	46.8	55.2	61.7	69.9	73.3	75.2	76.8	78.3	79.0	79.5	80.9	80.9	82.1
27.3	36.3	47.0	55.6	62.6	71.9	76.1	78.2	80.4	82.2	82.7	83.3	84.7	84.7	86.0
27.4	36.3	47.3	56.1	63.3	73.7	78.8	81.1	83.6	85.6	86.2	86.8	88.3	88.3	89.8
27.4	36.3	47.3	56.1	63.3	74.1	79.4	82.2	85.3	88.1	88.8	89.3	91.3	91.3	94.0
27.4	36.3	47.3	56.1	63.3	74.1	79.4	82.3	85.3	88.8	89.3	90.8	93.4	93.7	97.8
27.4	36.3	47.3	56.1	63.3	74.1	79.4	82.4	85.3	88.9	90.0	90.8	93.8	93.8	100.0

TOTAL NUMBER OF OBSERVATIONS

1473

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY

52-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0600-0800

7.3	8.7	10.4	12.5	13.4	14.8	16.2	16.7	17.1	17.5	17.6	17.7	18.5	18.6	20.1
7.9	9.3	11.0	13.2	14.1	15.6	17.1	17.7	18.1	18.6	18.7	18.9	19.7	19.7	21.5
7.9	9.3	11.0	13.2	14.1	15.6	17.1	17.7	18.1	18.6	18.7	18.9	19.7	19.7	21.5
7.9	9.3	11.0	13.2	14.1	15.6	17.1	17.7	18.1	18.6	18.7	18.9	19.7	19.7	21.5
8.1	9.4	11.1	13.3	14.3	15.7	17.2	17.8	18.3	18.7	18.8	19.0	19.8	19.9	21.6
8.3	9.6	11.4	13.6	14.7	16.2	17.6	18.3	18.7	19.2	19.2	19.4	20.2	20.3	22.0
8.6	10.0	11.7	14.0	15.1	16.6	18.2	18.8	19.2	19.7	19.8	20.0	20.8	20.8	22.6
9.0	10.5	12.5	14.8	16.0	17.5	19.1	19.7	20.2	20.8	20.9	21.1	21.9	22.0	23.8
9.5	11.3	13.3	15.6	16.8	18.4	20.0	20.7	21.1	21.8	21.9	22.1	22.9	23.0	24.8
10.0	11.8	14.1	16.7	18.3	19.9	21.5	22.2	22.6	23.3	23.6	23.8	24.6	24.7	26.6
10.9	13.0	15.4	18.1	19.6	21.2	22.9	23.6	24.0	24.9	25.0	25.2	26.1	26.2	28.0
11.9	14.3	16.9	20.1	21.8	23.4	25.1	25.8	26.3	27.2	27.4	27.6	28.5	28.6	30.4
12.0	14.6	17.2	20.6	22.4	24.0	25.6	26.4	26.9	27.8	28.0	28.3	29.2	29.3	31.1
12.8	15.5	18.2	21.9	23.7	25.7	27.5	28.2	28.7	29.7	29.8	30.1	31.0	31.1	32.9
14.0	17.1	20.0	23.8	25.8	27.7	29.6	30.3	30.8	31.8	31.9	32.2	33.1	33.2	35.0
15.6	19.0	22.1	26.1	28.0	30.3	32.3	33.0	33.6	34.6	34.7	35.0	36.0	36.0	37.9
18.0	21.9	25.3	29.7	31.8	34.1	36.2	37.1	37.7	38.7	38.8	39.2	40.1	40.1	42.0
20.3	24.6	28.8	33.3	35.6	38.0	40.1	41.0	41.7	42.7	42.8	43.2	44.1	44.2	46.0
21.1	25.8	30.2	34.7	37.2	39.8	42.0	42.9	43.7	44.7	44.9	45.2	46.2	46.2	48.1
21.9	26.9	32.1	36.8	39.4	42.2	44.6	45.5	46.3	47.4	47.6	47.9	48.9	48.9	50.8
24.2	30.5	36.6	41.9	45.2	48.5	51.1	52.1	52.9	54.0	54.2	54.6	55.6	55.7	57.5
25.3	32.8	39.8	45.3	49.4	53.1	55.9	57.1	58.1	59.3	59.6	60.0	61.1	61.2	63.0
25.9	33.6	41.2	48.1	52.4	56.4	59.6	60.8	62.0	63.2	63.6	63.9	65.0	65.1	66.9
26.4	34.6	43.1	50.9	55.9	60.2	63.7	65.1	66.3	67.5	67.9	68.3	69.3	69.5	71.4
27.1	35.9	45.1	53.8	59.2	64.1	67.9	69.6	71.1	72.5	72.8	73.2	74.4	74.4	76.3
27.4	36.3	46.2	55.6	61.6	66.7	70.9	72.6	74.2	75.8	76.2	76.5	77.7	77.8	79.6
27.4	36.6	46.8	56.0	62.8	68.7	73.0	74.7	76.6	78.2	78.7	79.0	80.4	80.5	82.3
27.5	36.8	47.0	57.3	63.9	71.2	75.7	77.6	79.9	81.6	82.1	82.4	83.8	83.8	85.7
27.8	36.9	47.1	57.7	64.7	72.3	77.7	80.0	82.8	85.2	85.7	86.3	87.7	87.8	89.9
27.8	36.9	47.1	57.7	64.7	72.4	78.1	80.6	83.8	87.0	87.9	88.6	90.3	91.1	93.9
27.8	36.9	47.1	57.7	64.7	72.5	78.2	80.7	84.0	87.6	88.7	89.7	92.9	93.8	97.9
27.8	36.9	47.1	57.7	64.7	72.5	78.2	80.7	84.0	87.7	88.9	90.0	93.6	94.2	100.0

TOTAL NUMBER OF OBSERVATIONS

1627

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

0900-1100

6.0	7.5	9.1	10.7	12.0	13.1	13.8	14.2	14.6	14.8	15.0	15.2	15.3	15.3	16.3
7.4	9.2	11.3	12.9	14.3	15.6	16.3	17.1	17.7	17.9	18.2	18.4	18.6	18.7	19.8
7.4	9.3	11.4	13.0	14.4	15.7	16.3	17.2	17.7	18.0	18.2	18.5	18.7	18.7	19.9
7.6	9.4	11.5	13.1	14.5	15.8	16.6	17.3	17.9	18.1	18.4	18.6	18.8	18.8	20.0
7.7	9.5	11.6	13.2	14.6	16.0	16.8	17.5	18.1	18.4	18.6	18.8	19.0	19.1	20.3
7.9	9.8	11.8	13.5	15.0	16.5	17.3	18.0	18.6	18.8	19.1	19.2	19.3	19.6	20.7
8.2	10.2	12.3	14.1	15.7	17.1	18.0	18.7	19.3	19.5	19.8	20.0	20.2	20.3	21.4
8.4	10.4	12.6	14.4	16.0	17.7	18.6	19.3	20.0	20.3	20.6	20.8	21.0	21.1	22.3
9.0	11.2	13.4	15.2	16.9	18.7	19.5	20.2	20.9	21.2	21.5	21.7	21.9	22.0	23.2
9.7	12.0	14.4	16.3	18.0	20.0	21.1	21.8	22.5	22.8	23.1	23.3	23.5	23.6	24.9
10.7	13.0	15.5	17.4	19.2	21.4	22.5	23.2	23.9	24.2	24.5	24.7	25.0	25.0	26.3
11.7	14.4	16.9	18.8	20.6	22.8	23.9	24.7	25.4	25.7	26.0	26.3	26.6	26.6	28.1
12.2	14.9	17.4	19.3	21.3	23.5	24.7	25.4	26.2	26.5	26.8	27.2	27.5	27.6	29.0
12.8	15.6	18.2	20.3	22.2	24.4	25.7	26.6	27.4	27.7	28.1	28.5	28.8	28.9	30.3
13.3	16.7	19.3	21.5	23.4	25.8	27.1	28.1	29.0	29.4	29.8	30.2	30.3	30.6	32.0
14.9	18.3	21.1	23.4	25.4	27.9	29.4	30.4	31.3	31.9	32.3	32.7	33.0	33.1	34.5
17.3	21.0	24.0	26.6	28.3	31.4	33.1	34.1	35.2	35.7	36.2	36.6	36.9	37.0	38.4
19.8	23.9	27.8	30.8	32.8	35.7	37.6	38.6	39.8	40.3	40.7	41.1	41.4	41.5	42.9
20.8	24.9	29.0	32.1	34.1	37.1	38.9	40.1	41.4	41.9	42.3	42.7	43.0	43.1	44.5
22.3	27.4	32.0	35.7	37.9	41.2	43.2	44.6	46.0	46.6	47.1	47.6	47.9	47.9	49.4
24.8	30.9	36.3	41.3	43.3	47.3	49.4	50.9	52.4	53.1	53.6	54.1	54.3	54.6	56.1
26.0	33.8	38.8	44.6	47.3	50.9	52.9	54.5	56.2	57.0	57.6	58.1	58.6	58.7	60.2
26.6	35.8	40.0	46.7	49.3	53.2	55.2	57.0	58.7	59.7	60.2	60.9	61.4	61.5	63.0
27.4	38.2	42.6	50.1	53.3	57.3	59.3	61.9	63.8	64.9	65.5	66.2	66.7	66.9	68.3
28.3	38.9	44.8	54.0	57.3	62.2	64.7	67.0	69.3	70.9	71.7	72.6	73.1	73.2	74.7
28.3	37.4	43.9	53.4	59.2	64.2	67.0	69.6	72.4	74.3	75.2	76.2	77.1	77.2	78.7
28.7	37.7	46.7	56.7	60.7	66.2	69.3	72.3	75.7	78.0	79.1	80.4	81.2	81.4	83.2
28.7	37.8	46.8	57.4	61.8	67.6	71.4	74.4	78.3	81.2	82.3	83.7	84.3	84.8	86.9
28.7	37.8	46.8	57.5	62.0	68.1	72.3	75.4	80.0	83.3	85.4	87.2	88.0	88.3	90.7
28.7	37.8	46.8	57.5	62.0	68.2	72.4	75.7	80.3	84.2	87.1	89.2	91.0	91.3	93.4
28.7	37.8	46.8	57.5	62.0	68.2	72.4	75.7	80.3	84.4	87.4	89.9	92.4	92.7	95.8
28.9	37.9	47.0	57.6	62.1	68.3	72.6	75.8	80.4	84.5	87.6	90.1	92.8	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS

1629

1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

59-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1200-1400

8.3	10.5	12.6	14.3	15.1	15.8	16.1	16.5	16.9	17.1	17.2	17.2	17.5	17.5	17.7
9.7	12.3	15.1	17.2	18.1	18.8	19.3	19.7	20.1	20.3	20.6	20.6	21.0	21.0	21.2
9.7	12.4	15.4	17.4	18.3	19.1	19.5	20.0	20.4	20.6	20.8	20.9	21.2	21.2	21.5
9.8	12.4	15.5	17.5	18.4	19.2	19.6	20.0	20.4	20.6	20.9	20.9	21.3	21.3	21.6
9.8	12.4	15.5	17.5	18.4	19.2	19.6	20.0	20.4	20.6	20.9	20.9	21.3	21.3	21.6
10.0	12.7	15.7	17.7	18.8	19.5	20.1	20.5	20.9	21.1	21.4	21.4	21.8	21.8	22.0
10.1	12.9	16.0	18.1	19.3	20.2	20.8	21.2	21.6	21.8	22.0	22.1	22.5	22.5	22.7
10.4	13.2	16.4	18.7	20.0	20.9	21.5	21.9	22.5	22.7	23.0	23.0	23.4	23.5	23.8
11.0	13.9	17.1	19.5	20.8	21.8	22.4	22.8	23.4	23.6	23.9	24.0	24.3	24.4	24.7
11.7	14.5	17.9	20.2	21.6	22.8	23.4	23.8	24.4	24.6	24.9	24.9	25.3	25.4	25.7
13.1	15.9	19.3	21.8	23.2	24.4	25.1	25.5	26.0	26.3	26.5	26.6	27.0	27.1	27.3
14.0	17.0	20.3	23.0	24.4	25.7	26.3	26.8	27.4	27.8	28.1	28.1	28.5	28.6	28.9
14.8	17.9	21.2	23.8	25.2	26.5	27.2	27.8	28.4	28.9	29.1	29.2	29.6	29.7	30.0
15.7	18.7	22.2	24.8	26.2	27.5	28.3	29.0	29.7	30.1	30.4	30.4	30.8	30.9	31.2
17.1	20.3	24.0	26.6	28.1	29.6	30.5	31.2	31.9	32.4	32.6	32.7	33.1	33.2	33.5
19.2	22.8	26.5	29.5	31.0	32.5	33.6	34.2	35.0	35.5	35.7	35.8	36.1	36.3	36.6
21.6	25.4	29.2	32.5	34.0	35.9	37.3	38.1	38.9	39.3	39.6	39.7	40.0	40.1	40.5
25.6	29.7	34.0	37.8	39.0	41.1	42.8	43.7	44.4	44.9	45.2	45.3	45.6	45.8	46.1
27.0	31.2	35.7	39.3	41.1	43.2	44.9	45.8	46.5	47.0	47.3	47.4	47.7	47.8	48.2
29.1	33.9	39.0	43.2	45.6	48.0	49.8	50.8	51.7	52.2	52.3	52.6	53.0	53.1	53.4
31.5	37.5	44.2	48.7	51.3	54.3	56.2	57.3	58.4	59.0	59.4	59.5	59.9	60.0	60.3
32.6	39.8	46.7	51.7	55.0	58.3	60.3	61.6	62.9	63.6	64.0	64.1	64.5	64.6	64.9
33.1	40.8	48.2	53.8	57.1	60.5	62.7	64.0	65.5	66.4	66.7	66.9	67.2	67.4	67.7
33.9	42.3	51.0	57.2	61.0	64.9	67.2	68.7	70.4	71.4	72.0	72.2	72.3	72.7	73.0
34.5	43.3	52.6	59.5	63.4	67.9	70.6	72.2	74.1	75.2	76.0	76.3	76.7	76.8	77.1
34.5	43.3	52.6	60.9	65.3	70.3	73.2	75.0	77.4	79.2	80.2	80.6	81.0	81.2	81.5
34.7	44.0	53.9	62.1	66.9	72.7	76.2	78.8	81.3	83.3	84.3	85.0	85.4	85.6	86.1
34.7	44.0	53.9	62.2	67.3	73.6	77.3	80.7	83.7	86.1	87.6	88.2	88.7	89.0	90.1
34.7	44.0	53.9	62.3	67.7	73.9	78.4	81.8	85.1	88.2	90.2	91.6	92.2	92.5	93.8
34.7	44.0	53.9	62.3	67.7	74.0	78.6	81.8	85.3	89.0	91.4	93.2	94.6	95.2	97.6
34.7	44.0	53.9	62.3	67.7	74.0	78.6	81.8	85.6	89.1	91.6	93.3	95.3	95.8	99.4
34.7	44.0	54.0	62.4	67.8	74.0	78.6	81.9	85.7	89.2	91.7	93.5	95.4	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS

1024



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-72

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

1500-1700

7.4	9.2	11.2	13.3	14.1	14.9	15.4	15.6	16.0	17.0	17.0	17.0	17.0	17.0	17.2
9.4	11.2	13.8	16.3	17.2	18.1	18.6	19.0	19.5	20.7	20.7	20.9	20.9	20.9	21.0
9.4	11.3	13.9	16.4	17.3	18.3	18.8	19.1	19.7	20.9	20.9	21.0	21.0	21.0	21.0
9.5	11.4	14.0	16.5	17.4	18.4	18.9	19.2	19.8	21.0	21.0	21.0	21.1	21.1	21.3
9.8	11.7	14.4	17.1	18.0	19.0	19.5	19.8	20.4	21.6	21.6	21.6	21.7	21.7	21.9
10.0	12.1	14.8	17.5	18.5	19.5	20.0	20.9	20.9	22.2	22.2	22.2	22.3	22.3	22.5
10.4	12.5	15.4	18.1	19.0	20.1	20.6	20.9	21.5	22.8	22.8	22.8	23.0	23.0	23.1
10.9	13.1	16.0	18.9	19.9	21.0	21.7	22.1	22.8	24.1	24.1	24.1	24.2	24.2	24.4
11.5	13.8	17.0	19.9	20.9	22.1	23.0	23.5	24.2	25.5	25.5	25.6	25.7	25.7	25.9
12.0	14.6	17.7	20.7	21.8	23.1	24.0	24.4	25.2	26.5	26.5	26.6	26.8	26.8	27.0
13.1	16.0	19.5	22.5	23.6	24.9	25.8	26.2	27.0	28.3	28.3	28.4	28.6	28.6	28.8
14.1	17.1	20.6	24.0	25.1	26.4	27.4	27.9	28.6	30.0	30.1	30.1	30.3	30.3	30.5
14.7	17.8	21.2	24.8	26.0	27.3	28.3	28.8	29.6	30.9	31.0	31.0	31.2	31.2	31.4
15.8	19.1	22.8	26.4	27.7	29.0	30.0	30.6	31.4	32.8	32.9	33.0	33.1	33.1	33.3
17.1	20.4	24.1	27.8	29.1	30.6	31.7	32.3	33.1	34.6	34.8	34.8	35.0	35.0	35.2
18.8	22.7	26.7	30.7	32.0	33.6	34.9	35.6	36.4	38.0	38.1	38.2	38.4	38.4	38.6
22.0	26.0	30.2	34.8	36.2	38.0	39.4	40.1	41.0	42.6	42.7	42.8	43.0	43.1	43.3
24.9	29.5	34.5	39.3	40.7	42.6	44.1	44.8	45.8	47.5	47.7	47.8	48.0	48.0	48.3
26.5	31.1	36.4	41.4	42.9	44.9	46.4	47.1	48.3	50.0	50.2	50.3	50.5	50.6	50.8
28.3	34.1	40.0	45.6	47.3	49.7	51.5	52.2	53.6	55.2	55.4	55.6	55.7	55.8	56.0
31.1	38.0	44.8	51.2	53.3	56.4	58.5	59.3	60.8	62.8	63.0	63.2	63.4	63.5	63.7
32.3	40.4	47.8	54.9	57.8	61.1	63.5	64.8	66.6	68.6	68.8	69.1	69.3	69.3	69.6
32.7	41.1	49.1	56.8	59.9	63.4	66.0	67.3	69.6	71.8	72.0	72.2	72.4	72.5	72.7
33.3	42.5	51.2	59.3	62.9	67.0	69.9	71.7	73.9	76.3	76.7	77.0	77.2	77.2	77.5
33.4	43.0	52.2	61.1	65.1	69.8	72.8	74.8	77.2	79.8	80.2	80.6	80.8	80.9	81.1
33.4	43.1	52.5	62.3	66.6	71.7	74.9	76.9	79.4	82.3	82.8	83.1	83.3	83.4	83.9
33.5	43.3	52.8	63.1	67.9	73.3	76.7	79.3	82.3	85.3	86.1	86.7	87.2	87.3	87.9
33.5	43.3	53.0	63.3	68.5	74.0	77.9	81.0	84.5	88.3	89.2	89.9	90.4	90.6	91.5
33.5	43.3	53.0	63.3	68.5	74.2	78.3	81.9	85.6	90.1	91.4	92.6	92.8	92.8	94.1
33.5	43.3	53.0	63.3	68.5	74.2	78.3	81.9	85.6	90.3	91.7	93.3	93.0	93.0	94.1
33.6	43.4	53.1	63.3	68.6	74.3	78.4	82.0	85.7	90.4	91.8	93.6	93.2	93.2	94.0

TOTAL NUMBER OF OBSERVATIONS

1620

1  
1

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY

53-67

SEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

1800-2000

5.8	8.8	11.4	14.6	16.4	18.0	18.9	19.5	20.2	20.9	21.1	21.3	21.4	21.4	21.6
7.2	10.3	12.9	16.8	18.6	20.4	21.4	22.1	22.9	23.6	23.8	24.0	24.2	24.2	24.4
7.2	10.3	12.9	16.8	18.6	20.4	21.4	22.1	22.9	23.6	23.8	24.0	24.2	24.2	24.4
7.3	10.3	13.0	16.9	18.7	20.5	21.5	22.2	23.0	23.7	23.9	24.1	24.2	24.2	24.5
7.5	10.5	13.3	17.1	18.9	20.9	21.9	22.6	23.4	24.1	24.3	24.5	24.7	24.7	24.9
7.7	10.8	13.8	17.8	19.8	21.7	22.7	23.5	24.2	25.0	25.2	25.4	25.5	25.5	25.8
8.0	11.2	14.3	18.4	20.4	22.6	23.8	24.5	25.3	26.0	26.2	26.5	26.6	26.6	26.8
9.0	12.3	15.6	19.8	21.9	24.0	25.3	26.0	26.9	27.6	27.8	28.0	28.2	28.2	28.4
9.8	13.0	16.4	20.7	22.7	25.0	26.2	26.9	27.9	28.6	28.8	29.1	29.3	29.3	29.5
10.4	13.7	17.1	21.4	23.5	25.7	26.9	27.6	28.6	29.4	29.6	29.8	30.1	30.1	30.3
11.8	15.3	19.0	23.7	25.8	28.0	29.3	30.0	31.1	31.9	32.1	32.3	32.5	32.5	32.8
12.5	16.2	20.1	24.9	27.2	29.6	30.8	31.5	32.6	33.4	33.6	33.8	34.0	34.0	34.3
14.3	18.7	22.8	27.7	30.0	32.6	33.8	34.5	35.6	36.4	36.7	36.9	37.1	37.1	37.4
15.4	20.0	24.4	29.7	32.1	34.9	36.2	36.9	38.1	39.0	39.2	39.4	39.6	39.6	39.9
16.4	21.5	26.3	32.0	34.5	37.4	38.7	39.5	40.7	41.8	42.0	42.2	42.5	42.5	42.8
18.7	24.4	29.6	35.8	38.6	41.7	43.0	43.7	45.0	46.0	46.2	46.4	46.7	46.7	47.0
21.9	28.7	34.4	41.2	44.9	47.7	49.0	49.7	51.0	52.1	52.3	52.5	52.8	52.8	53.1
23.2	30.1	36.1	42.9	45.9	48.6	51.0	51.8	53.2	54.2	54.4	54.7	55.0	55.0	55.3
24.9	32.5	39.3	46.6	49.8	53.8	55.3	56.1	57.5	58.5	58.8	59.0	59.5	59.5	59.8
26.5	34.9	43.3	51.4	55.2	58.5	61.0	62.1	63.6	64.8	65.2	65.4	65.9	65.9	66.1
27.0	36.3	45.3	54.1	58.2	63.3	65.1	66.2	67.9	69.2	69.6	69.8	70.2	70.2	70.5
27.0	36.5	46.0	55.2	60.0	65.7	67.6	68.9	70.3	71.9	72.2	72.5	72.9	72.9	73.2
27.3	37.4	47.2	57.0	62.4	69.2	71.2	72.5	74.4	75.8	76.2	76.4	76.8	76.8	77.1
27.6	37.7	47.8	58.3	64.3	71.9	74.2	75.6	78.0	79.5	79.8	80.1	80.5	80.5	80.8
27.7	37.8	48.3	59.3	66.0	74.2	76.6	78.3	80.9	82.4	82.8	83.0	83.4	83.4	83.9
27.7	37.9	48.7	60.1	67.6	75.8	79.1	80.8	83.6	85.1	85.5	85.8	86.3	86.3	87.0
27.7	37.9	49.0	60.6	67.9	76.7	80.1	82.0	85.4	86.9	87.4	87.8	88.5	88.5	89.2
27.7	37.9	49.1	60.8	68.2	77.6	81.9	83.8	87.4	89.4	90.2	91.0	91.8	92.0	92.9
27.7	37.9	49.1	60.8	68.4	78.0	82.2	84.4	88.6	91.0	92.0	92.8	94.4	94.5	96.1
27.7	37.9	49.1	60.8	68.4	78.0	82.2	84.4	88.6	91.2	92.3	93.2	95.0	95.2	98.4
27.7	37.9	49.1	60.8	68.4	78.0	82.2	84.4	88.6	91.2	92.3	93.3	95.1	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1394

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34056      SENBACH AB GERMANY

53-67

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

2100-2300

5.3	7.6	11.0	13.8	15.5	17.9	19.1	19.4	20.0	20.9	21.2	21.4	21.9	21.9	22.7
5.4	9.0	12.5	15.0	17.3	19.9	21.2	21.8	22.4	23.4	23.7	23.9	24.4	24.4	25.2
6.4	9.0	12.5	15.0	17.3	19.9	21.2	21.8	22.4	23.4	23.7	23.9	24.4	24.4	25.2
6.5	9.1	12.7	15.8	17.6	20.1	21.4	22.0	22.7	23.7	23.9	24.2	24.6	24.7	25.4
6.5	9.1	12.7	15.8	17.6	20.1	21.4	22.0	22.7	23.7	23.9	24.2	24.6	24.7	25.4
6.7	9.2	12.8	15.9	17.7	20.3	21.6	22.2	22.8	23.8	24.1	24.3	24.7	24.8	25.6
6.8	9.4	13.0	16.4	18.4	21.1	22.4	23.2	23.9	24.9	25.2	25.4	25.9	25.9	26.7
7.5	10.3	13.9	17.6	19.6	22.4	23.8	24.7	25.2	26.4	26.7	26.9	27.3	27.4	28.2
8.5	11.5	15.2	18.9	20.9	24.2	25.5	26.4	27.1	28.2	28.5	28.7	29.1	29.2	30.0
10.0	13.0	16.9	20.6	22.7	25.9	27.2	28.2	29.0	30.3	30.5	30.8	31.3	31.4	32.2
10.8	13.8	17.8	21.8	23.8	27.0	28.4	29.3	30.2	31.4	31.7	32.0	32.5	32.5	33.3
11.8	14.8	18.9	23.2	25.3	28.5	29.9	30.9	31.8	33.0	33.3	33.6	34.1	34.2	35.0
12.5	15.6	20.0	24.2	26.3	29.8	31.2	32.2	33.1	34.3	34.6	34.9	35.6	35.6	36.5
13.9	17.2	22.0	26.3	28.8	32.2	33.5	34.6	35.5	36.8	37.1	37.4	38.1	38.1	39.0
14.6	18.0	23.2	27.7	30.2	33.6	35.0	36.0	36.9	38.3	38.7	39.0	39.6	39.7	40.6
16.1	19.6	25.1	30.1	32.6	36.1	37.6	38.6	39.6	41.1	41.5	41.8	42.4	42.5	43.4
17.8	21.4	27.4	32.6	35.3	38.8	40.3	41.4	42.4	43.8	44.2	44.5	45.2	45.2	46.2
20.2	24.3	31.4	37.3	40.2	44.4	46.0	47.2	48.4	49.8	50.3	50.5	51.2	51.3	52.2
20.9	25.2	32.5	38.4	42.2	46.4	48.1	49.3	50.5	52.0	52.4	52.7	53.3	53.4	54.3
22.2	27.0	35.6	42.2	45.6	50.3	52.0	53.2	54.5	55.9	56.4	56.7	57.4	57.5	58.4
24.0	30.0	39.9	47.5	51.2	56.3	58.3	59.7	61.1	62.7	63.2	63.4	64.2	64.2	65.2
24.7	31.7	43.2	51.0	55.3	60.9	63.2	64.7	66.1	67.7	68.2	68.5	69.3	69.4	70.4
25.0	32.5	44.8	53.0	57.6	63.3	65.8	67.4	68.8	70.3	71.0	71.3	72.0	72.1	73.1
25.3	33.2	46.5	55.2	60.4	67.0	69.7	71.3	72.9	74.8	75.3	75.6	76.3	76.4	77.4
25.4	33.8	47.1	56.3	62.1	69.3	72.2	74.0	75.8	77.8	78.3	78.6	79.3	79.6	80.6
25.4	33.8	47.6	57.4	63.3	71.5	74.7	76.6	78.9	81.0	81.5	81.9	82.7	82.8	83.8
25.4	33.9	48.1	58.5	65.3	74.4	78.3	80.3	83.0	85.4	85.9	86.2	87.1	87.2	88.2
25.4	33.9	48.2	58.6	65.9	76.0	80.1	82.1	85.2	87.5	88.0	88.7	89.6	89.7	90.6
25.4	33.9	48.2	58.6	66.2	76.8	81.1	83.2	86.7	89.3	89.8	90.3	91.7	91.8	92.8
25.4	33.9	48.2	58.6	66.2	77.0	81.6	83.9	87.7	90.5	91.1	91.9	92.4	92.5	93.8
25.4	33.9	48.2	58.6	66.2	77.1	81.7	84.0	87.8	90.5	91.5	92.3	94.3	94.5	98.4
25.4	33.9	48.2	58.6	66.2	77.1	81.7	84.0	87.8	90.5	91.5	92.3	94.3	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS

1399

SKY COVER SUMMARY

Due to the reporting of total cloud amount in GWC tapes for airways hourly observations Jan 71 and later; clear, scattered, broken, overcast, partial and obscured are converted to 0, 3, 9, 10, 9 and 10 tenths. The sky cover summary for this station is limited to the period of record through Dec 70.

## PART D

## SKY COVER

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

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

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

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY  
STATION STATION NAME

53-70

PERIOD

ALL  
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			
JAN	ALL	9.5	2.5	2.7	2.9	2.7	1.9	2.6	2.6	4.9	4.9	62.9	7.8	11738
FEB		11.2	3.2	4.2	3.6	2.9	2.3	3.3	3.3	5.7	5.8	54.7	7.3	10672
MAR		14.1	4.0	3.6	3.6	3.7	2.5	3.6	4.3	7.7	6.8	46.3	6.9	11705
APR		12.0	4.8	4.3	3.9	4.2	3.2	4.3	5.2	8.2	8.2	41.7	6.8	11367
MAY		9.6	5.2	4.5	4.8	4.9	3.8	4.8	6.4	11.1	10.4	34.6	6.7	11699
JUN		8.7	5.6	4.8	5.2	5.2	4.2	4.4	6.4	10.2	10.8	34.4	6.7	11356
JUL		10.9	5.3	4.7	5.2	5.5	4.2	4.9	6.7	10.6	10.8	31.3	6.5	12607
AUG		10.9	4.7	4.3	5.4	5.3	4.2	4.9	6.7	10.6	10.7	32.4	6.5	12849
SEP		16.9	5.1	4.9	5.1	4.7	3.8	4.3	5.7	8.3	8.6	32.8	6.1	11951
OCT		14.0	4.0	4.4	4.2	3.7	2.7	3.2	4.3	6.9	7.3	45.3	6.8	12040
NOV		7.0	1.9	2.5	2.3	2.0	1.9	2.3	3.0	5.2	5.0	67.0	8.2	11936
DEC		7.4	2.2	2.3	2.1	2.1	1.4	1.7	2.6	4.0	4.2	69.9	8.3	11981
TOTALS		11.0	4.0	3.9	4.0	3.9	3.0	3.7	4.8	7.8	7.8	46.1	7.1	141301

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY  
STATION STATION NAME

54-70

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	14.8	2.2	2.9	3.5	2.4	1.9	2.9	2.2	4.4	2.7	60.0	7.3	1995
	03-05	15.1	1.9	3.0	2.6	2.1	2.1	1.7	2.5	3.3	2.5	65.1	7.4	1437
	06-08	10.0	2.5	2.0	3.1	2.7	1.4	2.6	2.2	4.9	4.1	64.5	7.9	1525
	09-11	4.2	2.2	2.5	2.0	3.0	1.8	2.8	2.5	5.5	8.2	65.6	8.4	1530
	12-14	4.3	2.7	2.1	2.8	2.9	2.0	2.5	2.6	6.6	6.4	65.5	8.3	1535
	15-17	5.2	2.9	2.9	2.8	2.6	2.4	2.4	3.5	5.8	6.4	62.8	8.1	1526
	18-20	8.3	3.4	3.2	3.4	2.5	2.7	3.1	2.4	4.9	5.2	61.1	7.7	1395
	21-23	14.0	1.9	3.2	2.9	3.2	1.3	3.1	2.9	3.5	3.6	60.4	7.4	1395
TOTALS		9.5	2.5	2.7	2.9	2.7	1.9	2.6	2.6	4.9	4.9	62.9	7.8	11738

DATA PROCESSING BRANCH  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY

54-70

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	17.3	3.2	4.6	3.5	2.4	2.1	2.8	2.7	3.7	3.2	54.5	6.8	1272
	03-05	17.1	2.5	4.2	2.8	2.8	1.7	3.3	2.2	3.0	2.5	57.8	7.0	1309
	06-08	9.8	2.6	3.6	3.7	2.7	2.3	3.6	2.2	5.5	4.7	59.3	7.6	1387
	09-11	6.1	3.4	2.3	2.7	2.4	2.0	1.8	4.3	7.1	8.7	59.1	8.0	1389
	12-14	6.2	2.9	3.2	3.4	3.0	2.7	3.8	4.7	7.9	8.6	59.6	7.8	1388
	15-17	7.1	3.2	4.3	3.8	3.2	2.4	3.0	4.0	7.0	9.1	52.9	7.6	1385
	18-20	9.1	3.5	5.6	4.6	3.3	2.6	3.8	4.1	6.3	6.4	50.9	7.2	1274
	21-23	16.6	4.1	5.6	4.1	3.4	2.6	4.2	1.8	4.7	3.2	49.8	6.6	1268
TOTALS		11.2	3.2	4.2	3.6	2.9	2.3	3.3	3.3	3.7	3.8	54.7	7.3	10672



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY  
STATION STATION NAME

54-70

PERIOD

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	24.6	3.1	5.2	3.0	2.9	1.9	4.1	3.1	5.2	3.0	44.0	6.0	1395
	03-05	24.4	2.9	3.5	2.6	3.5	2.0	3.5	2.9	4.2	2.9	47.7	6.2	1437
	06-08	11.9	4.4	3.9	3.0	3.7	1.6	1.4	3.9	6.2	6.2	51.8	7.1	1520
	09-11	8.7	3.9	3.5	3.1	3.4	2.3	2.7	3.5	7.6	8.2	53.1	7.5	1521
	12-14	5.9	3.4	2.0	3.4	4.3	3.1	3.7	5.8	11.3	11.5	43.5	7.6	1520
	15-17	6.3	4.9	2.0	2.6	4.1	3.2	4.7	6.0	11.5	10.4	44.3	7.5	1519
	18-20	9.0	5.4	3.9	4.5	3.9	3.6	4.5	4.6	9.7	8.4	42.6	7.0	1398
	21-23	21.9	4.3	4.7	4.3	4.0	2.5	3.9	4.2	5.5	3.4	41.2	6.0	1395
TOTALS		14.3	4.0	3.6	3.6	3.7	2.5	3.6	4.3	7.7	6.8	46.3	6.9	11705

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY  
STATION STATION NAME

54-70

PERIOD

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	26.5	4.6	6.7	3.0	4.2	2.8	4.6	4.1	5.1	3.6	34.8	5.4	1349
	03-05	22.2	5.9	4.5	3.1	3.9	1.5	3.3	3.9	5.7	4.6	41.5	6.0	1394
	06-08	10.1	6.4	3.8	4.8	3.2	2.6	2.6	3.6	7.8	7.4	47.8	7.0	1482
	09-11	7.6	4.2	3.3	3.9	3.6	3.3	4.5	3.8	9.1	9.3	47.4	7.4	1481
	12-14	4.3	3.1	2.7	2.8	4.5	3.6	4.5	7.2	12.1	13.2	42.0	7.7	1481
	15-17	4.2	3.3	2.0	2.6	3.9	4.3	6.5	7.0	10.7	11.7	43.7	7.7	1480
	18-20	4.4	5.3	4.4	5.8	4.4	4.3	4.1	6.6	9.0	10.7	41.1	7.2	1330
	21-23	16.4	5.6	7.3	5.4	5.6	3.5	4.6	5.6	6.3	4.7	35.0	5.9	1350
TOTALS		12.0	4.8	4.3	3.9	4.2	3.2	4.3	5.2	6.2	6.2	41.7	6.8	11267

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34036 SEMBACH AB GERMANY  
STATION NO. STATION NAME

54-70

PERIOD

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	28.2	4.3	6.5	4.8	4.4	2.9	4.1	5.0	5.7	3.5	30.4	5.1	1394
	03-05	16.5	7.7	5.6	4.9	5.6	2.6	3.7	3.8	7.4	6.5	35.5	5.9	1436
	06-08	9.0	7.9	3.6	4.2	3.6	2.8	3.2	5.9	9.3	10.7	39.9	6.9	1519
	09-11	5.8	4.7	3.5	4.5	4.5	3.6	3.7	6.5	12.9	12.3	38.0	7.2	1521
	12-14	2.2	2.8	3.0	4.5	3.9	4.6	5.3	7.8	13.8	15.3	34.8	7.6	1521
	15-17	1.4	1.5	2.9	4.6	5.5	4.8	6.9	8.0	14.5	16.1	33.7	7.6	1518
	18-20	2.0	3.9	5.3	5.0	6.0	4.6	6.1	7.5	14.1	13.2	32.5	7.2	1395
	21-23	11.3	8.7	5.7	6.0	5.8	4.2	5.2	7.0	8.7	5.3	32.1	6.0	1395
TOTALS		9.6	5.2	4.5	4.8	4.9	3.8	4.8	6.4	11.1	10.4	34.6	6.7	11699

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY  
STATION STATION NAME

54-70

PERIOD

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			
JUN	00-02	23.6	6.8	5.7	6.5	4.1	2.7	4.7	4.5	6.6	4.4	30.4	5.2	1349
	03-05	12.4	8.1	6.7	5.8	6.0	3.8	3.9	5.4	6.8	7.8	33.2	6.0	1393
	06-08	10.7	7.6	4.5	4.7	6.0	2.9	3.9	4.9	7.6	10.5	36.7	6.5	1478
	09-11	5.5	5.8	4.2	5.3	5.0	4.8	3.5	5.6	10.2	11.9	38.1	7.0	1478
	12-14	2.8	2.0	2.7	3.9	4.5	5.9	4.9	7.7	14.1	15.1	36.4	7.6	1479
	15-17	2.7	1.6	3.0	3.7	5.5	5.1	5.1	8.9	14.8	15.6	33.9	7.6	1479
	18-20	4.3	5.3	5.2	3.7	5.0	5.0	4.1	8.1	12.1	13.9	33.3	7.1	1350
	21-23	7.8	7.3	6.0	8.1	5.6	3.7	4.9	6.2	9.6	7.3	33.5	6.4	1350
TOTALS		8.7	5.6	4.8	5.2	5.2	4.2	4.4	6.4	10.2	10.8	34.4	6.7	11956

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY  
STATION STATION NAME

59-70

PERIOD

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	25.1	6.5	7.1	6.2	4.5	2.9	3.9	4.8	6.6	5.1	27.2	5.0	1527
	03-05	15.0	7.6	5.9	5.7	3.7	4.4	3.7	5.4	7.2	7.2	31.9	5.8	1334
	06-08	12.8	6.4	4.8	5.0	3.6	2.9	2.7	5.6	9.4	10.2	36.7	6.5	1614
	09-11	8.9	4.2	2.9	4.0	5.0	4.0	4.6	5.9	13.3	14.5	32.7	7.0	1616
	12-14	4.0	2.8	3.2	3.2	5.3	6.4	5.3	8.2	13.2	15.0	33.6	7.4	1617
	15-17	3.7	4.4	2.0	3.8	6.0	4.7	6.5	8.3	14.1	14.2	32.4	7.3	1615
	18-20	6.1	4.3	3.7	5.6	7.2	4.7	6.3	8.0	11.8	13.4	28.7	6.8	1532
	21-23	10.8	6.5	8.0	7.5	6.9	3.7	5.9	7.4	9.2	6.7	27.3	5.9	1532
TOTALS		10.9	5.3	4.7	5.2	5.5	4.2	4.9	6.7	10.6	10.8	31.3	6.5	12607

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/TAC

SKY COVER

34056 SEMBACH AB GERMANY  
 STATION STATION NAME

53-70

AUG  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			
AUG	00-02	25.8	6.4	5.9	6.0	4.7	3.2	3.9	3.9	6.2	4.0	30.0	5.1	1572
	03-05	19.5	5.1	5.1	6.4	4.8	4.2	4.3	4.5	6.6	5.6	33.9	5.7	1594
	06-08	8.0	4.9	4.3	5.2	4.5	3.5	3.7	5.6	9.5	11.9	38.9	7.0	1635
	09-11	6.9	4.9	3.2	5.1	4.3	5.3	5.6	6.4	11.1	12.4	34.9	7.0	1637
	12-14	3.2	2.8	1.8	3.7	5.3	4.4	5.9	9.2	14.3	17.0	32.4	7.5	1635
	15-17	3.2	2.3	2.9	4.2	6.1	4.5	6.1	8.2	15.7	16.2	30.7	7.4	1634
	18-20	6.0	3.7	3.9	5.7	6.4	4.9	4.3	9.7	12.7	13.4	29.4	6.9	1572
	21-23	14.6	7.4	7.5	6.9	6.2	3.8	5.3	5.9	8.3	5.2	29.0	5.6	1570
TOTALS		10.9	4.7	4.3	5.4	5.3	4.2	4.9	6.7	10.6	10.7	32.4	6.5	12849

DATA PROCESSING BRANCH  
 DTAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY  
 STATION STATION NAME

53-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			
SEP	00-02	31.9	4.8	5.2	4.9	3.7	2.3	3.5	5.0	4.6	3.6	30.3	4.9	1418
	03-05	27.6	4.7	4.5	5.7	4.4	3.5	3.5	3.8	4.0	4.2	34.1	5.2	1465
	06-08	11.5	5.2	4.0	4.7	4.8	3.0	4.4	4.4	9.1	10.8	38.1	6.7	1558
	09-11	10.5	6.3	4.2	3.7	3.7	3.4	4.2	3.4	9.7	10.8	38.3	6.8	1560
	12-14	8.7	3.7	3.6	3.8	4.9	5.5	4.5	7.6	12.3	12.6	32.9	6.9	1559
	15-17	8.8	3.9	4.0	4.7	5.5	4.6	5.3	6.6	10.8	13.5	32.3	6.8	1559
	18-20	9.5	7.7	6.3	6.9	4.9	4.5	5.3	7.5	9.0	9.2	29.2	6.1	1416
	21-23	26.3	4.8	7.1	6.0	5.6	3.3	4.0	5.2	6.6	4.4	26.8	5.0	1416
TOTALS		160.9	5.1	4.9	5.1	4.7	3.8	4.3	5.7	8.3	8.6	32.8	6.1	11921

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY

53-70

007

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS	PERCENTAGE FREQUENCY OF TENTHS IN TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL OBSERVATIONS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	23.2	4.6	5.1	3.8	4.2	2.4	3.7	4.3	5.5	3.3	40.0	5.8	1393
	03-05	19.4	3.6	5.6	4.0	3.6	2.3	2.6	4.0	5.7	5.4	43.7	6.3	1463
	06-08	8.1	3.4	3.4	3.1	3.3	2.1	2.8	3.7	6.8	8.3	55.1	7.7	1599
	09-11	8.4	2.6	1.9	3.1	2.5	2.4	2.9	4.0	6.9	9.2	55.9	7.8	1598
	12-14	8.4	3.3	2.9	3.5	3.6	3.8	3.5	4.5	9.3	10.5	46.7	7.4	1599
	15-17	9.6	3.9	3.1	4.0	3.9	2.7	3.3	4.3	10.2	11.2	43.7	7.2	1595
	18-20	12.7	4.9	7.2	6.9	4.7	3.9	3.3	5.4	6.2	5.9	39.1	6.3	1397
	21-23	22.4	5.8	5.7	4.9	3.9	2.3	3.4	3.9	4.7	4.5	38.3	5.7	1396
TOTALS		140.0	4.0	4.4	4.2	3.7	2.7	3.2	4.3	6.9	7.2	45.3	6.8	12040



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/VAC

SKY COVER

34056 SEMBACH AB GERMANY  
STATION NAME

53-70  
YEAR

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS OBSERVED	PERCENTAGE FREQUENCY OF OCCURRENCE OF TOTAL SKY COVER										MEAN TOTAL SKY COVER		
		0-1	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-17	18-19	20-23	PERCENT	NUMBER OF OBSERVATIONS
NOV	00-02	11.3	1.8	2.9	2.4	2.1	1.1	2.2	2.1	4.4	2.2	67.2	7.9	1349
	03-05	9.7	1.8	2.2	2.4	1.5	1.6	2.5	3.0	3.3	2.8	69.1	8.1	1406
	06-08	5.4	1.9	2.7	1.8	2.0	2.5	1.5	3.2	4.5	4.5	69.8	8.4	1319
	09-11	3.7	2.0	1.1	2.2	1.7	1.6	1.4	2.6	6.6	8.0	69.1	8.7	1321
	12-14	4.1	1.6	1.4	1.2	2.2	1.7	2.4	4.0	6.7	8.2	66.7	8.6	1321
	15-17	3.2	1.8	1.8	1.8	2.4	3.2	2.2	3.4	7.4	8.0	64.8	8.5	1321
	18-20	7.1	2.1	3.9	3.8	2.4	2.4	2.9	2.7	4.7	4.0	63.9	7.9	1330
	21-23	11.4	1.9	3.9	2.5	1.7	1.3	3.3	2.8	3.8	2.3	63.2	7.7	1349
TOTALS		7.0	1.9	2.5	2.3	2.0	1.9	2.3	3.0	5.2	5.0	67.0	8.2	11326

DATA PROCESSING BRANCH-  
 ETAC/USAF  
 AIR WEATHER SERVICE/PAC

SKY COVER

34056 SEMBACH AB GERMANY

53-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN PERCENTAGE SKY COVER	TOTAL OBSERVATIONS	
		0	1	2	3	4	5	6	7	8	9			
DEC	00-02	10.5	2.4	3.2	2.4	1.9	1.4	1.9	2.6	3.1	3.0	67.6	7.9	1394
	03-05	10.0	1.7	2.7	2.1	2.5	1.5	2.1	2.3	3.3	2.3	69.4	8.0	1459
	06-08	7.4	2.0	2.3	2.2	1.7	1.3	1.7	2.3	3.3	3.7	72.2	8.3	1587
	09-11	9.3	2.5	1.6	1.6	1.6	.9	1.5	2.6	5.2	5.8	72.3	8.7	1586
	12-14	4.5	2.8	1.6	2.2	1.2	1.9	1.3	2.8	4.5	6.2	71.0	8.6	1585
	15-17	5.0	1.8	2.5	2.0	1.6	.8	1.1	3.2	5.9	6.4	69.5	8.5	1581
	18-20	7.5	2.4	2.7	2.4	2.9	2.1	1.9	2.5	3.5	2.5	69.7	8.1	1394
	21-23	10.0	1.8	2.1	2.2	3.4	1.5	1.9	2.2	3.4	3.9	67.7	8.0	1395
TOTALS		7.4	2.2	2.3	2.1	2.1	1.4	1.7	2.6	4.0	4.2	69.9	8.3	11921

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.

Continued on Reverse

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

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

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

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AC  
 34056 SEIBACH AB GERMANY

DAILY TEMPERATURES

53-72

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

MAXIMUM

TEMPERATURE	AN	FE	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MAXIMUM
95							2.7						1.1
90						1.2	2.6	1.8					1.3
85					1.4	1.7	8.5	4.4	1.9				1.4
80				1.7	1.1	7.6	18.1	13.0	3.7				3.6
75				1.9	2.5	23.2	34.9	25.7	10.9				9.0
70			1.4	6.7	22.5	43.5	54.6	47.7	30.5	2.7			17.7
65		1.2	2.5	13.6	37.9	66.0	77.7	75.3	53.9	11.8	1.4		28.8
60		1.7	4.4	18.4	49.1	82.4	95.9	95.3	77.7	33.4	2.0	1.3	41.4
55	1.4	4.4	18.4	49.1	82.4	96.7	99.8	100.0	94.4	37.9	8.9	1.4	51.9
50	3.4	11.4	30.7	71.1	96.6	99.4	100.0		99.5	61.8	23.6	7.6	61.7
45	15.7	27.3	58.6	88.1	99.5	100.0			100.0	94.9	49.3	22.1	71.8
40	32.7	47.6	77.2	99.1	100.0					99.3	72.0	40.4	80.9
35	54.3	68.3	88.8	100.0						100.0	90.4	65.2	89.1
30	75.6	84.2	98.0								98.9	84.5	93.2
25	88.4	94.2	99.5								100.0	94.0	98.1
20	96.4	97.2	100.0									98.2	99.3
15	99.3	99.2										99.6	99.8
10	100.0	99.8										100.0	100.0
0		100.0											100.0
MEAN	33.1	35.7	40.4	54.9	62.3	68.3	71.8	70.0	65.4	58.0	44.2	27.0	54.2
S D	8.345	9.498	9.174	8.725	8.168	7.898	8.204	7.478	7.406	7.108	7.408	8.296	15.225
TOTAL OBS	594	502	393	526	581	598	579	591	570	584	550	569	6677

DATA PROCESSING SECTION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC  
 34056 SELBACH AB GERMANY

DAILY TEMPERATURES

53-72

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM DAILY OBSERVATIONS

TEMPERATURE	MIN	10	20	30	40	50	60	70	80	90	95	100	
65												1.2	
60							1.5					2.9	
55					0.4	5.8	27.5	43.5	38.6	17.7	2.2	14	11.7
50			0.7	1.4	6.2	24.9	62.3	82.2	77.0	48.6	17.3	1.8	27.4
45		0.9	2.6	4.2	22.6	53.4	89.6	96.0	95.1	74.0	39.0	8.2	41.4
40		6.9	12.5	17.7	44.0	79.3	98.7	99.8	99.7	92.1	81.3	27.1	34.9
35		21.3	25.9	44.5	72.9	95.0	100.0	100.0	100.0	99.8	84.2	51.8	30.2
30		37.5	37.5	55.9	81.3	97.8				99.8	91.4	62.7	39.2
25		46.6	52.2	69.8	92.0	99.3				100.0	97.6	83.1	59.4
20		65.9	69.9	84.6	99.0	100.0					99.8	95.8	77.7
15		79.2	82.9	94.2	100.0						100.0	99.9	86.8
10		89.5	88.4	98.9								100.0	95.1
5		94.8	93.4	99.5									98.1
0		98.6	96.5	100.0									100.0
-5		99.5	99.2										99.9
-10		100.0	99.6										100.0
			100.0										100.0
MEAN	27.0	28.2	32.7	38.8	49.0	61.0	69.9	82.9	88.6	92.0	95.8	98.1	98.5
S. D.	9.289	10.129	7.686	6.709	6.206	5.082	5.288	5.017	5.599	6.985	6.571	6.405	11.785
TOTAL OBS.	584	502	553	576	581	538	570	591	570	584	580	569	6679

DATA PROCESSING CENTER  
 USAF ETAC  
 AIR WEATHER SERVICE/AC  
 34056 SEWACFB  
 SEP 68

DAILY TEMPERATURES

83-72

THE FOLLOWING INFORMATION IS PRESENTED FROM DAVID OBSERVATION

80																								
75																								
70																								
65																								
60																								
55																								
50																								
45																								
40																								
35																								
30																								
25																								
20																								
15																								
10																								
5																								
0																								
-5																								

MEAN	71.3	73.7	76.0	77.1	78.0	79.9	82.0	82.7	87.3	89.2	90.0	90.1	91.6
S D	6.401	6.409	7.778	6.918	6.428	5.782	6.122	5.824	5.779	6.128	6.327	8.080	13.139
TOTAL OBS	384	502	588	586	581	588	576	591	570	584	580	569	6677

DATA PROCESSING BRANCH  
 USAF/ETAC/OL A  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MAXIMUM TEMPERATURE

34050 SEMBACH AB GERMANY  
STATION NAME

53-72

W HOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg MONTH		
53						*	84	91	87	73	57	64			
54	31	46	62	62	61	86	79	87	81	70	59	49	87		
55	30	48	69	80	79	84	90	81	77	65	66	52	90		
56	30	38	64	66	64	74	82	82	74	77	50	55	82		
57	32	60	64	70	75	90	97	80	79	67	59	30	97		
58	31	63	62	64	79	81	80	85	82	67	59	52	88		
59	35	59	65	77	78	83	95	88	87	70	57	51	95		
60	33	67	63	69	76	82	78	82	74	66	58	52	83		
61	30	64	69	76	74	84	86	84	90	70	59	57	90		
62	32	50	54	72	74	82	87	92	87	74	55	51	92		
63	39	40	57	66	77	78	88	87	79	65	62	45	87		
64	41	52	52	72	78	88	92	91	82	67	56	52	92		
65	47	37	62	64	76	82	85	82	76	65	58	53	85		
66	38	57	54	67	78	85	79	90	81	77	54	51	90		
67	33	54	56	67	79	88	87	84	78	73	57	50	88		
68	47	49	72	82	76	79	88	81M	74M	69M	70M	47	88		
69	**	49M	46M	57M	74M	86M	79M	90M	83M	76M	66M	59M	36	**	90
70	**	46M	49M	52M	72M	74M	82M	81M	80M	76M	68M	61M	50	**	88
71	*	45M	45M	53M	76M	81M	76M	88M	90M	76M	72M	59M	54	*	90
72	*	49M	50M	62M	61M	72M	81M	83M	83M	74M	69M	61M	52	*	85
MEAN	49.3	51.9	60.7	70.0	77.7	82.6	86.1	88.9	79.8	69.2	58.8	51.2	80.8		
S D	4.318	5.081	6.199	6.286	3.341	4.184	5.211	3.791	5.000	4.047	4.438	3.244	3.582		
TOTAL OBS.	384	308	388	336	381	338	370	391	370	384	380	369	6477		

NOTES \* (BASED ON < FULL MONTHS)  
 # (AT LEAST ONE DAY < 24 OBS)



DATA PROCESSING BRANCH  
 USAF/ETAC/DL A  
 AIR WEATHER SERVICE/PAC

**EXTREME VALUES**  
 MINIMUM TEMPERATURE

34050 SEYBACH AB GERMANY

53-72

WORLD DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
53						*	45	45	37	32	26	25	
54	3	0	24	29	34	43	41	44	34	30	23	24	0
55	13	5	9	26	31	41	47	43	32	25	18	21	5
56	-1	-6	22	23	33	38	49	40	40	30	19	18	-6
57	9	24	25	29	29	40	47	40	36	29	24	19	-9
58	15	17	9	23	30	42	45	45	45	32	30	17	9
59	15	20	28	29	37	41	50	43	39	32	27	24	15
60	-2	12	26	29	29	42	42	47	38	22	20	18	-2
61	15	30	26	38	34	44	41	45	41	30	22	8	8
62	12	13	16	30	28	35	48	42	35	28	24	5	5
63	3	3	15	27	31	45	50	41	39	27	30	6	3
64	7	18	16	30	27	41	41	29	34	27	29	12	7
65	22	9	12	29	32	43	44	42	38	27	16	25	9
66	3	20	24	29	26	43	45	38	37	27	21	23	2
67	11	19	26	25	28	36	44	44	40	30	27	16	11
68	-3	17	23	26	22	42	46	42	41	30	26	13	-3
69	**	21**	8**	23**	27**	33**	42**	44**	41**	33**	26**	15	**
70	**	19**	8**	15**	26**	33**	46**	44**	37**	34**	28**	13	**
71	*	8*	21*	8*	30*	43*	48*	39*	44*	35*	28*	23	*
72	*	8*	14*	26*	26*	37*	46*	42*	38*	21*	24*	18	*
MEAN	9.4	12.4	19.8	27.9	32.4	41.4	44.4	42.8	37.8	29.3	24.8	17.0	5.9
S D	7.374	9.243	6.922	5.891	5.000	2.812	3.086	2.208	3.027	3.127	4.572	6.207	5.243
TOTAL OBS	224	202	222	224	221	222	270	291	270	224	220	209	6677

NOTES \* (BASED ON < FULL MONTHS)  
 @ (AT LEAST ONE DAY < 24 OBS)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEIBACH AB GERMANY

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ALL

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ALL

TIME		WET BULB TEMPERATURE DEPRESSION (°F)										TOTAL											
		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	
98/	97																					1	1
96/	95																					2	8
94/	93																					13	13
92/	91																					19	19
90/	89																					54	54
88/	87																					84	84
86/	85																					189	189
84/	83																					300	300
82/	81																					456	456
80/	79																					583	583
78/	77																					844	844
76/	75																					1245	1246
74/	73																					1531	1532
72/	71																					1932	1932
70/	69																					2623	2623
68/	67																					3224	3224
66/	65																					3893	3893
64/	63																					4858	4859
62/	61																					5746	5747
60/	59																					6936	6936
58/	57																					7202	7208
56/	55																					7873	7887
54/	53																					7470	7492
52/	51																					7562	7591
50/	49																					7315	7321
48/	47																					6963	6974
46/	45																					7137	7156
44/	43																					6802	6827
42/	41																					6544	6562
40/	39																					6607	6636
38/	37																					6119	6172
36/	35																					6257	6301
34/	33																					6307	6357
32/	31																					5514	5548

Element	X	Z <sub>x</sub>	X̄	S <sub>x</sub>	No. Obs	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0 26-5 (6-67) (REV. 12-64)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR REATER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

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ALL

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ALL

		WET BULB TEMPERATURE DEPRESSION (F)																TOTAL																				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB	WB			
30/	29	.7	1.9	.4	.0																													4312	4324	5149	6041	
28/	27	.6	1.2	.2	.0																													3068	3078	4040	5097	
26/	25	.5	1.0	.1	.0																													2375	2377	2826	3913	
24/	23	.4	.7	.1	.0																													1688	1688	2210	3146	
22/	21	.3	.6	.0	.0																													1377	1377	1636	2426	
20/	19	.3	.4	.0	.0																													1017	1033	1211	2042	
18/	17	.2	.3	.0	.0																													701	715	816	1615	
16/	15	.2	.2	.0	.0																													586	601	661	1279	
14/	13	.1	.2	.0	.0																													436	445	493	876	
12/	11	.1	.1	.0	.0																													340	342	383	615	
10/	9	.2	.1	.0	.0																													306	309	353	542	
8/	7	.1	.0	.0	.0																													159	159	185	313	
6/	5	.1	.0	.0	.0																													108	108	119	425	
4/	3	.0	.0	.0	.0																													62	62	69	230	
2/	1	.0	.0	.0	.0																													33	33	36	141	
0/	-1	.0	.0	.0	.0																													23	23	27	92	
-2/	-3	.0	.0	.0	.0																													16	16	15	65	
-4/	-5	.0	.0	.0	.0																													11	11	9	44	
-6/	-7	.0	.0	.0	.0																													6	6	9	33	
-8/	-9																																					16
-10/	-11																																				15	
-12/	-13																																				7	
-14/	-15																																				2	
-16/	-17																																				1	
TOTAL		13.2	41.1	18.3	10.1	6.6	4.6	2.8	1.7	.9	.4	.2	.1	.0	.0	.0																		147303	146836			
																																			146837	146837		

Element (X)	Σx²	Σx	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	< 73 F	> 80 F		> 93 F
Rel. Hum.	949622031	11572737	78.818	9.41	146825							
Dry Bulb	364084408	7018155	47.814	20.2	147303	3.4	1349.2	761.0	308.7	60.1	1.3	8740
Wet Bulb	307666445	6485422	44.212	22.2	146837	3.7	1634.2	77.0	2.6	.1		8740
Dew Point	264811621	5977431	40.712	29.5	146836	16.8	2227.0	10.2	.6			8740

USAFETAC FORM 0205 (C. A.) JUL 64



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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US

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ALL

Element (X)	Σ x <sup>2</sup>	Σ x	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	90435032	1041917	85.7	9.826	12162							
Dir. Bulb	12687008	377808	31.0	9.019	12206	.8	397.2					744
Wet Bulb	11631739	361268	29.7	8.608	12168	.9	442.0					744
Dew Point	10006889	328789	27.0	9.591	12163	4.3	513.3					744

USAFETAC FORM 0-26.5 (10-64) JUL 64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

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PER

PAGE 1 ALL

		WET BULB TEMPERATURE DEPRESSION (F)											
68/ 67												1	1
66/ 65												3	3
64/ 63												3	3
62/ 61												12	12
60/ 59												21	21
58/ 57												40	40
56/ 55												42	42
54/ 53												93	93
52/ 51												164	164
50/ 49												190	190
48/ 47												316	316
46/ 45												475	475
44/ 43												595	595
42/ 41												660	660
40/ 39												729	729
38/ 37												775	775
36/ 35												952	952
34/ 33												975	975
32/ 31												877	880
30/ 29												812	813
28/ 27												792	792
26/ 25												666	666
24/ 23												412	412
22/ 21												259	259
20/ 19												190	190
18/ 17												166	166
16/ 15												174	175
14/ 13												138	140
12/ 11												99	99
10/ 9												124	124
8/ 7												68	68
6/ 5												46	46
4/ 3												44	44
2/ 1												26	26
Element X	Zx	Zx	X	Cx	No. Obs.	Mean No. of Hours with Temperature						Total	
Rel. Hum.						< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F		
Dry Bulb													
Wet Bulb													
Dew Point													

USAF/ETAC FORM 0-765 (1-54)

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMM

34056 SEMBACH AB GERMANY

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F1

PAGE 2 4.

0/-1	.1	.0	14	14	17
-2/-3	.1	.0	12	12	11
-4/-5	.0	.1	11	11	9
-6/-7	.1		6	6	9
-8/-9					
-10/-11					
-12/-13					
-14/-15					
-16/-17					
TOTAL	20.252	019.6	0.4	1.4	.2 .1 .1

11009  
10982 1-952

STATISTICAL DATA

Element	Σx	Σx	X	No. Obs	Mean	Std. Dev.	Max. No. of Hours with Temperature
R. H. %	74562134	894090	81.412,698	10982	100	100	11
Dr. B. %	13261683	364885	33,110,200	11009	2.6	321.7	
W. B. %	11749130	343444	31,39,583	10982	2.8	354.2	
Dep. %	9726914	805090	27,810,675	10982	11.6	428.2	

AD-A087 821

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F10 4/85  
SENBACH AB, GERMANY; REVISED UNIFORM SUMMARY OF SURFACE WEATHER  
SEP 74

UNCLASSIFIED USAFETAC/DS-80/061

NL

5

The table consists of a grid of 10 columns and 10 rows. The top-left cell is white and contains the number '5'. The remaining 99 cells are blacked out, obscuring any data that might have been present.



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-72

MAR

PAGE 1

ALL

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	DB. W.B.	Dry Bulb	Wet Bulb	Dew P.		
74/ 73																																			1	1		
72/ 71																																			5	5		
70/ 69																																			6	6		
68/ 67																																			14	14		
66/ 65																																			26	26		
64/ 63																																			31	31		
62/ 61																																			77	77		
60/ 59																																			97	97		
58/ 57																																			163	163		5
56/ 55																																			187	187		28
54/ 53																																			245	245		75
52/ 51																																			424	424		179
50/ 49																																			579	579		319
48/ 47																																			801	801		294
46/ 45																																			947	947		868
44/ 43																																			936	936		926
42/ 41																																			1013	1014		927
40/ 39																																			1061	1061		1112
38/ 37																																			927	930		1168
36/ 35																																			939	939		1132
34/ 33																																			876	880		999
32/ 31																																			658	661		872
30/ 29																																			733	737		870
28/ 27																																			491	494		722
26/ 25																																			338	340		540
24/ 23																																			226	226		322
22/ 21																																			149	149		198
20/ 19																																			92	92		142
18/ 17																																			58	61		77
16/ 15																																			34	38		47
14/ 13																																			10	11		16
12/ 11																																			7	7		7
10/ 9																																			9	9		9
8/ 7																																			2	2		2
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-5 (OL A) 1-64 REVISION 5-64 (OF THIS ISSUE)



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-72

APR

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ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	1	2	3	4	5	6	7	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	
84/ 83																																	1	1		
82/ 81																																	4	4		
80/ 79															.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	14	14			
78/ 77															.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	17	17			
76/ 75															.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	21	21			
74/ 73															.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	39	39			
72/ 71															.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	39	39			
70/ 69															.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	76	76			
68/ 67															.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	115	115			
66/ 65															.0	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	152	152		2	
64/ 63															.0	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	184	184		17	
62/ 61															.0	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	226	226		32	
60/ 59															.0	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	344	344		55	
58/ 57															.0	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	421	421		112	
56/ 55															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	570	570		190	
54/ 53															.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	689	689		255	
52/ 51															.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	822	822		280	
50/ 49															.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	980	981		302	
48/ 47															.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1133	1133		378	
46/ 45															.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1009	1007		307	
44/ 43															.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	908	908		316	
42/ 41															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	928	928		308	
40/ 39															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	952	952		308	
38/ 37															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	712	712		280	
36/ 35															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	511	511		209	
34/ 33															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	397	398		158	
32/ 31															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	222	222		92	
30/ 29															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	159	159		64	
28/ 27															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	77	77		33	
26/ 25															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	22	22		9	
24/ 23															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	7	7		3	
22/ 21															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
20/ 19															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
18/ 17															.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\Sigma R$	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.						$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-76-5 (O.L.A.)  
 USAFETAC  
 11-50 (REV. 10-6-55)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 STATION SEMBACH AB GERMANY STATION NAME

54-72 YEARS

APR MONTH

PAGE 2

ALL HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B. Dry Bulb	Wet Bulb Dew Point														
10/ 19																																	
10/ 19																																	
TOTAL	6.1	32.5	22.9	14.3	9.9	6.8	3.9	2.2	.9	.5	.2	.1	.0						11805	11805													

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	8894838	88888	72.4	17.708	11808		29.8	19.9	8.9	.9		720
Wet Bulb	21874087	801997	68.8	6.987	11808		88.0					720
Dew Point	1729888	68226	57.8	7.048	11808		188.8					720

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-72

MAY

PAGE 1

ALL

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																																			4	4		
84/ 83																																			6	6		
82/ 81																																			10	10		
80/ 79																																			23	23		
78/ 77																																			63	63		
76/ 75																																			127	127		
74/ 73																																			155	155		
72/ 71																																			206	206		
70/ 69																																			291	291	5	
68/ 67																																			329	329	6	1
66/ 65																																			397	397	33	
64/ 63																																			456	456	119	7
62/ 61																																			564	564	257	32
60/ 59																																			768	768	521	98
58/ 57																																			840	841	624	266
56/ 55																																			1103	1108	856	176
54/ 53																																			1148	1161	1062	681
52/ 51																																			1129	1162	1273	825
50/ 49																																			1206	1206	1420	1062
48/ 47																																			882	884	1332	1155
46/ 45																																			774	774	1406	1375
44/ 43																																			972	973	1081	1363
42/ 41																																			442	443	746	1328
40/ 39																																			290	291	538	1228
38/ 37																																			179	179	334	816
36/ 35																																			102	102	184	662
34/ 33																																			50	50	81	391
32/ 31																																			32	33	42	240
30/ 29																																			19	19	21	152
28/ 27																																			2	2	8	69
26/ 25																																						18
24/ 23																																						19
22/ 21																																						3
20/ 19																																						1
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total																					
Rel. Hum.											= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F																	
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94056 SEMBACH AB GERMANY

24-72

MAY

PAGE 2

ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL																																																																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	D	B	W	B	D	P																																																								
12/ 11																																																																																																
TOTAL	5,428	319	915	0	11.4	8.2	5.5	3.2	2.0	.7	.2	.0																									12169	12206	12169																																																									
<table border="1"> <thead> <tr> <th>Element (X)</th> <th><math>\Sigma X'</math></th> <th><math>\Sigma X</math></th> <th><math>\bar{X}</math></th> <th><math>\sigma_x</math></th> <th>No. Obs.</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th>Rel. Hum.</th> <th>67222000</th> <th>678820</th> <th>72.217</th> <th>0.000</th> <th>12169</th> <th>≤ 0 F</th> <th>≤ 32 F</th> <th>≤ 67 F</th> <th>≤ 73 F</th> <th>≤ 80 F</th> <th>≤ 93 F</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Dry Bulb</td> <td>34468267</td> <td>680087</td> <td>55.9</td> <td>0.992</td> <td>12206</td> <td>3.2</td> <td>70.0</td> <td>23.7</td> <td>1.0</td> <td></td> <td></td> <td>744</td> </tr> <tr> <td>Wet Bulb</td> <td>29503318</td> <td>592950</td> <td>48.8</td> <td>0.492</td> <td>12169</td> <td>4.2</td> <td>.7</td> <td></td> <td></td> <td></td> <td></td> <td>744</td> </tr> <tr> <td>Dew Point</td> <td>24364970</td> <td>522262</td> <td>42.2</td> <td>0.702</td> <td>12169</td> <td>32.0</td> <td>.1</td> <td></td> <td></td> <td></td> <td></td> <td>744</td> </tr> </tbody> </table>																																	Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	Rel. Hum.	67222000	678820	72.217	0.000	12169	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	Dry Bulb	34468267	680087	55.9	0.992	12206	3.2	70.0	23.7	1.0			744	Wet Bulb	29503318	592950	48.8	0.492	12169	4.2	.7					744	Dew Point	24364970	522262	42.2	0.702	12169	32.0	.1					744
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																																																																																					
Rel. Hum.	67222000	678820	72.217	0.000	12169	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																																																																																				
Dry Bulb	34468267	680087	55.9	0.992	12206	3.2	70.0	23.7	1.0			744																																																																																				
Wet Bulb	29503318	592950	48.8	0.492	12169	4.2	.7					744																																																																																				
Dew Point	24364970	522262	42.2	0.702	12169	32.0	.1					744																																																																																				

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY

34-72

JUN

PAGE 1

ALL

Temp F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL		TOTAL Wet Bulb Dep P				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB, WB, D, W, B, Dep, P	DB, WB, D, W, B, Dep, P					
90/ 89																																		4	4			
88/ 87																																		12	12			
86/ 85																																		23	23			
84/ 83																																		36	36			
82/ 81																																		78	78			
80/ 79																																		122	122			
78/ 77																																		187	187			
76/ 75																																		271	272			
74/ 73																																		315	315			
72/ 71																																		417	417			
70/ 69																																		534	534			
68/ 67																																		613	613			
66/ 65																																		729	729			
64/ 63																																		865	865			
62/ 61																																		967	967			
60/ 59																																		1118	1118			
58/ 57																																		1147	1149			
56/ 55																																		1111	1115			
54/ 53																																		912	916			
52/ 51																																		803	805			
50/ 49																																		673	676			
48/ 47																																		600	601			
46/ 45																																		231	234			
44/ 43																																		96	97			
42/ 41																																		44	44			
40/ 39																																		12	12			
38/ 37																																		14	14			
36/ 35																																		4	4			
34/ 33																																		4	4			
32/ 31																																						
30/ 29																																						
28/ 27																																						
26/ 25																																						

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	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 (U A) 11-64  
 USAFETAC

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056      SEMBACH AB GERMANY      54-72      JUN

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.	M.B.	D.B. Bulb	Wet Bulb	Dew Pt.		
TOTAL	4.0	26.5	18.5	14.5	11.6	9.5	6.6	4.3	2.2	1.2	.5	.2	.0	.0	.0																							11765	11741
																																					11741	11741	
Element (X)	Σx <sup>2</sup>	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	64966778	848862	72.4	17.391	11732	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb	43309839	706791	60.1	8.495	11768			180.1	66.4	12.9		720																											
Wet Bulb	35196007	629289	54.4	3.742	11741			8.6				720																											
Dew Point	30057119	589765	50.2	0.070	11741		6.5	.1				720																											

USAFETAC FORM 0-26-5 (OL A) JUL 68 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/VAC

PSYCHROMETRIC SUMMARY

34036

SEMBACH AB GERMANY

53-72

Jul

PAGE 1

ALL

Temp		WET BULB TEMPERATURE DEPRESSION F																										TOTAL		TOTAL									
F		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	DB, W, B, P, B, W, H, D, P, H, D, P	DB, W, B, P, B, W, H, D, P, H, D, P			
98/ 97																																			1	1			
96/ 95																																			8	8			
94/ 93																																			13	13			
92/ 91																																			15	15			
90/ 89																																			39	39			
89/ 87																																			39	39			
88/ 85																																			94	94			
84/ 83																																			143	143			
82/ 81																																			190	190			
80/ 79																																			214	214			
78/ 77																																			296	296			
76/ 75																																			430	430			
74/ 73																																			442	442			
72/ 71																																			493	493			
70/ 69																																			683	683			
68/ 67																																			853	853			
66/ 65																																				911	911		
64/ 63																																				1089	1089		
62/ 61																																				1213	1213		
60/ 59																																				1245	1245		
58/ 57																																				1282	1282		
56/ 55																																				1173	1173		
54/ 53																																				831	831		
52/ 51																																				870	870		
50/ 49																																				328	328		
48/ 47																																				182	182		
46/ 45																																				99	102		
44/ 43																																				32	32		
42/ 41																																				18	18		
40/ 39																																				1	2		
38/ 37																																							
36/ 35																																							
34/ 33																																							
Element (X)	Σx'	Σx																										Σ	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total		
Rel Hum																															≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F			
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 34 JUL 64 0-26-5 (OL A) REVISIO METHOD: EDITORS (3) PREP BY: AAF - 3000077



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

ALL

PAGE 1

ALL

		WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	TOTAL	
92/ 91																																	4	4
90/ 89																																	10	10
88/ 87																																	29	29
86/ 85																																	57	57
84/ 83																																	98	98
82/ 81																																	136	136
80/ 79																																	163	163
78/ 77																																	194	194
76/ 75																																	284	284
74/ 73																																	376	376
72/ 71																																	440	440
70/ 69																																	609	609
68/ 67																																	769	769
66/ 65																																	947	949
64/ 63																																	1197	1197
62/ 61																																	1363	1364
60/ 59																																	1468	1468
58/ 57																																	1887	1887
56/ 55																																	1190	1190
54/ 53																																	949	949
52/ 51																																	838	839
50/ 49																																	407	407
48/ 47																																	229	230
46/ 45																																	135	138
44/ 43																																	50	51
42/ 41																																	30	30
40/ 39																																	8	8
38/ 37																																	1	1
36/ 35																																	1	1
TOTAL																																	13368	13368

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Hum.	61.319130	1018084	78.216824	81.171	13368	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	51295905	811121	61.4	8.171	13377			176.2	79.1	23.6		744
Wet Bulb	42948274	754260	56.4	5.407	13368			24.2	1.9	.1		744
Dew Point	37927868	708344	53.0	5.430	13368			4.1	.5			744

USAFETAC Form 0-26 S (O-L-A) REVISION 10-64  
 101 64

DATA PROCESSING BRANCH  
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PSYCHROMETRIC SUMMARY

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SEP

PAGE 1 ALL

		WET BULB TEMPERATURE DEPRESSION																									TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL	TOTAL	TOTAL	TOTAL		
90/ 89																												1	1			
88/ 87																						.0	.0						4	4		
86/ 85																					.0	.0	.0					11	11			
84/ 83																				.0	.0	.0	.0					16	16			
82/ 81																	.1				.0	.0	.0					38	38			
80/ 79							.0	.0	.1	.1						.1	.1				.0	.0					47	47				
78/ 77								.1	.2	.2	.1	.1				.1	.1			.0							85	85				
76/ 75							.0	.1	.2	.1	.4	.1	.1	.0		.1	.1			.0						103	103					
74/ 73						.0	.0	.2	.3	.5	.4	.2	.1	.0		.1	.0									185	185					
72/ 71				.0	.1	.2	.3	.3	.4	.5	.5	.2	.1	.0		.1	.0									304	304		1			
70/ 69				.1	.6	.8	.9	.9	.9	.9	.8	.2	.2	.1	.0					.0						391	391	13	1			
68/ 67	.0	.1	.1	.9	.9	.7	.7	.7	.7	.7	.6	.3	.3	.1	.0											458	458	62	1			
66/ 65	.1	.7	1.0	1.2	1.1	1.1	.7	.5	.2	.0					.0											587	587	188	13			
64/ 63	.1	1.7	1.8	1.2	1.2	.8	.8	.8	.8	.8	.2	.2														794	794	417	70			
62/ 61	.2	1.7	2.1	1.4	1.2	.7	.7	.7	.7	.7	.1	.0														939	939	732	239			
60/ 59	.5	3.4	2.2	1.9	1.0	.4	.4	.2	.0																	1196	1196	1105	618			
58/ 57	1.1	3.5	2.2	1.7	.7	.3	.1																			1197	1197	1338	1102			
56/ 55	1.2	4.5	2.4	1.3	.7	.2	.1																			1302	1302	1411	1295			
54/ 53	1.2	4.4	2.6	.8	.3	.1	.0																			939	939	732	239			
52/ 51	1.3	5.1	1.7	.7	.2	.0																				1191	1191	1590	1306			
50/ 49	1.2	4.2	1.1	.3	.1																					1155	1155	1539	1474			
48/ 47	1.1	2.6	.8	.2	.1																					863	863	1431	1345			
46/ 45	.9	2.0	.5	.1																						589	591	982	1486			
44/ 43	.7	1.9	.2	.0																						441	442	702	1096			
42/ 41	.7	.7	.1	.0																						295	296	486	783			
40/ 39	.3	.4	.0																							182	182	287	587			
38/ 37	.3	.2	.0																							96	97	152	400			
36/ 35	.2	.0																								63	66	89	272			
34/ 33	.0																									24	29	35	158			
32/ 31	.0																									4	4	5	69			
30/ 29																										2	2	2	29			
28/ 27																														11		
TOTAL	11.235	0.19	0.012	6	8.8	6.4	3.4	1.9	1.0	.4	.1	.0	.1															12563	12563	12563	12563	

Element	X <sub>1</sub>	X <sub>2</sub>	X̄	s	No. Obs.	Mean No. of Hours with Temperature	Total
Rel Hum.	82088907	994859	79.216	1.52	12563	12563	720
Dir Bulb	41877994	718306	37.1	0.223	12563	12563	720
Wet Bulb	35900357	667257	33.1	0.034	12563	12563	720
Dew Point	31956633	628781	30.1	0.220	12563	12563	720

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PSYCHROMETRIC SUMMARY

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		WET BULB TEMPERATURE DEPRESSION, F																														TOTAL		TOTAL					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB, WB	Dr, B, S	Wet Bulb	DeW Pt			
70/	69																																		3	3			
68/	65																																		2	2			
64/	63																																		4	4			
62/	61																																		15	15			
60/	59																																		30	30			
58/	57																																		73	73	14	1	
56/	55																																		147	147	28	6	
54/	53																																		223	223	80	40	
52/	51																																		308	308	144	61	
50/	49																																		493	494	290	146	
48/	47																																		711	714	556	291	
46/	45																																		1005	1007	770	485	
44/	43																																		1134	1143	1225	896	
42/	41																																		1133	1136	1238	1114	
40/	39																																		1206	1223	1259	1344	
38/	37																																		1127	1147	1171	1285	
36/	35																																		1082	1093	1213	1183	
34/	33																																		1101	1120	1109	1198	
32/	31																																		928	933	1184	1156	
30/	29																																		588	588	707	769	
28/	27																																		283	283	458	712	
26/	25																																		158	158	210	423	
24/	23																																		75	75	134	272	
22/	21																																		34	34	51	161	
20/	19																																		15	15	26	108	
18/	17																																		13	13	14	49	
16/	15																																		10	10	10	24	
14/	13																																						
12/	11																																						
10/	9																																						
8/	7																																						
6/	5																																						
4/	3																																						

Element	X	Z <sub>x</sub>	X	σ <sub>x</sub>	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												

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Time		WET BULB TEMPERATURE (TEMPERATURE)				Mean No. of Hours with Temperature					
Rel. Hum.	Dry Bulb	Wet Bulb	Dew Point	No. Obs.	+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total
64/ 63				.0	.0						4
62/ 61											1
60/ 59				.0	.0						5
58/ 57				.0	.0						10
56/ 55				.2	.2						50
54/ 53	.0	.3	.2	.1	.1						59
52/ 51	.0	.3	.2	.2	.2	.0					98
50/ 49	.1	.8	.4	.2	.2	.0					122
48/ 47	.2	1.6	.8	.1	.1	.1					344
46/ 45	.2	2.3	.8	.1	.1	.1					220
44/ 43	1.1	3.3	0.8	.1	.1	.1					700
42/ 41	1.1	4.0	.8	.0	.0	.0					220
40/ 39	1.4	4.8	.8	.0	.0	.0					279
38/ 37	1.6	5.5	.8	.1	.1	.0					921
36/ 35	2.4	6.2	.8	.1	.1	.0					1171
34/ 33	3.0	7.4	.7	.0	.0	.0					1272
32/ 31	4.2	8.7	.6	.0	.0	.0					1416
30/ 29	4.4	9.8	.4	.0	.0	.0					904
28/ 27	1.9	2.8	.3	.0	.0	.0					619
26/ 25	2.1	2.6	.1	.0	.0	.0					358
24/ 23	1.2	1.9	.1	.0	.0	.0					384
22/ 21	1.3	1.4	.0	.0	.0	.0					334
20/ 19	1.3	1.0	.0	.0	.0	.0					274
18/ 17	.3	.7	.0	.0	.0	.0					121
16/ 15	.4	.9	.0	.0	.0	.0					109
14/ 13	.3	.9	.0	.0	.0	.0					97
12/ 11	.4	.4	.0	.0	.0	.0					100
10/ 9	.4	.1	.0	.0	.0	.0					60
8/ 7	.1	.0	.0	.0	.0	.0					18
6/ 5	.1	.0	.0	.0	.0	.0					12
4/ 3	.0	.0	.0	.0	.0	.0					1
2/ 1	.0	.0	.0	.0	.0	.0					1
0/ -1											1

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TOTAL	WET BULB TEMPERATURE DEPRESSION °F										TOTAL	TOTAL																																																																	
	0	1	2	3	4	5	6	7	8	9	DB-WB	DW-BP																																																																	
28.460	0.4	9.4	1.5	.3	.0	.0					12411	12275																																																																	
											12276	12276																																																																	
<table border="1"> <thead> <tr> <th>Element</th> <th>X'</th> <th>Σ X</th> <th>X</th> <th>°a</th> <th>No. Obs.</th> <th colspan="6">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th>Rel Hum</th> <td>92771720</td> <td>1078294</td> <td>27.9</td> <td>9.042</td> <td>12276</td> <td>- 0 F</td> <td>- 32 F</td> <td>+ 67 F</td> <td>+ 73 F</td> <td>+ 80 F</td> <td>+ 93 F</td> <td></td> </tr> <tr> <th>Dry Bulb</th> <td>12271988</td> <td>422782</td> <td>34.1</td> <td>8.542</td> <td>12411</td> <td></td> <td>204.9</td> <td></td> <td></td> <td></td> <td></td> <td>744</td> </tr> <tr> <th>Wet Bulb</th> <td>14080810</td> <td>402618</td> <td>32.9</td> <td>8.124</td> <td>12276</td> <td></td> <td>226.4</td> <td></td> <td></td> <td></td> <td></td> <td>744</td> </tr> <tr> <th>Dew Point</th> <td>12271402</td> <td>277502</td> <td>22.6</td> <td>8.022</td> <td>12276</td> <td></td> <td>412.2</td> <td></td> <td></td> <td></td> <td></td> <td>744</td> </tr> </thead></table>													Element	X'	Σ X	X	°a	No. Obs.	Mean No. of Hours with Temperature						Total	Rel Hum	92771720	1078294	27.9	9.042	12276	- 0 F	- 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F		Dry Bulb	12271988	422782	34.1	8.542	12411		204.9					744	Wet Bulb	14080810	402618	32.9	8.124	12276		226.4					744	Dew Point	12271402	277502	22.6	8.022	12276		412.2					744
Element	X'	Σ X	X	°a	No. Obs.	Mean No. of Hours with Temperature						Total																																																																	
Rel Hum	92771720	1078294	27.9	9.042	12276	- 0 F	- 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F																																																																		
Dry Bulb	12271988	422782	34.1	8.542	12411		204.9					744																																																																	
Wet Bulb	14080810	402618	32.9	8.124	12276		226.4					744																																																																	
Dew Point	12271402	277502	22.6	8.022	12276		412.2					744																																																																	

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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	DB	WB	DB	WB		
52/ 51					.1																													1	1			
50/ 49				.2																														2	2	3		
48/ 47			.1	.5																														17	17	3	3	
46/ 45		.1	1.4		.4																													38	38	29	9	
44/ 43		.8	1.8		.9																													52	52	35	25	
42/ 41		.4	2.9		.6																													55	55	41	36	
40/ 39		.5	2.8		.6																													55	55	69	39	
38/ 37		.7	4.7		.9		.1																											89	89	71	52	
36/ 35		2.4	7.4		.6																													144	144	120	101	
34/ 33		2.8	7.0		.5																													143	143	138	139	
32/ 31		2.7	7.6		.3																													148	148	138	144	
30/ 29		2.4	5.2		.3																													112	112	139	122	
28/ 27		3.3	3.6		.4																													101	101	122	128	
26/ 25		2.6	2.4		.1																													71	71	73	117	
24/ 23		1.8	2.4																															58	58	70	67	
22/ 21		2.2	2.0																															72	72	68	64	
20/ 19		1.8	2.6																															61	61	70	68	
18/ 17		.7	1.7																															34	34	38	39	
16/ 15		2.0	1.2																															48	48	53	47	
14/ 13		1.4	1.2																															36	36	30	32	
12/ 11		.9	.4																															13	13	20	44	
10/ 9		1.1	.2																															19	19	21	26	
8/ 7		.6	.1																															10	10	12	23	
6/ 5		.6	.1																															10	10	10	23	
4/ 3		.1																																1	1	1	10	
2/ 1		.1																																1	1	1	10	
0/ -1		.1																																1	1	1	9	
-2/ -3																																					1	1
-4/ -5																																					1	1
TOTAL	32.1	100.6	6.8	.9																														1395	1395	1395	1395	

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	1007988	121821	87.1	8.210	1395	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	1370486	41012	28.8	9.109	1395	.1	22.9					91
Wet Bulb	1278928	40874	28.8	8.778	1395	.1	27.7					92
Dew Point	1110781	37008	26.8	9.088	1395	.8	66.1					93

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PSYCHROMETRIC SUMMARY

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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	32	DB	WB	D	Rel. Hum.	Wet Bulb Dep.	
50/	49			.2					.2																										6		6			
48/	47			.1	.1			.2		.1																								12		12		4		
46/	45		.1	1.3		.2		.4																										36		36		6		
44/	43		.2	1.2		1.2		.2																										56		56		18		
42/	41		.3	2.6		.7																												53		54		37		
40/	39		.2	2.2		.2																												66		67		43		
38/	37		1.4	4.7		.2			.1																									94		94		68		
36/	35		2.2	2.0		.4																												111		111		104		
34/	33		3.8	6.2		.4																												152		153		146		
32/	31		2.0	7.7																														162		162		137		
30/	29		2.6	3.8																														127		127		128		
28/	27		2.4	4.1		.2																												100		100		122		
26/	25		2.7	2.2		.1																												79		79		117		
24/	23		2.0	2.6																														64		64		93		
22/	21		3.1	2.4		.1																												61		61		58		
20/	19		1.2	2.1		.1																												38		32		67		
18/	17		1.2	1.6																														43		45		52		
16/	15		1.2	1.2																														46		46		51		
14/	13		.7	1.4																														31		31		47		
12/	11		1.2	.2																														32		32		39		
10/	9		.2																															6		6		31		
8/	7		1.2	.2																														21		21		20		
6/	5		.2	.1																														12		12		20		
4/	3		.2																															2		2		23		
2/	1		.2																															3		3		9		
0/	0		.2																															2		2		6		
-2/	-1		.2																																			1		
-4/	-3																																					1		
-6/	-5																																					1		
<b>TOTAL</b>			<b>25</b>	<b>27</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>																									<b>1461</b>		<b>1467</b>		<b>1461</b>		<b>1461</b>
Element (X)	Σ H <sup>+</sup>	Σ H <sup>-</sup>	Σ	σ <sub>H</sub>	No. Obs.	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																												
Rel. Hum.	1127800	12812	27.7	0.440	1461																																			
Dry Bulb	100000	48197	29.2	0.308	1461	.1	29.2					93																												
Wet Bulb	100000	41444	28.2	0.298	1461	.1	60.6					93																												
Dew Point	112800	22297	26.2	0.222	1461	.7	82.9					93																												

USAFETAC FORM 0-26-5 (O.L.A.) REVISIONS WITHOUT EDITORS OF THIS PUBLICATION ARE OBSOLETE  
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# PSYCHROMETRIC SUMMARY

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USAFETAC FORM 0-20.5 (10-1-41) (REV. 10-1-61) (30-20-44) (1-1-61)

F		WET BULB TEMPERATURE DEPRESSION °F																														TOTAL		TOTAL				
DB	WB	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DB	WB	
30/49			.2	.2																															9	9		
48/47		.4	.4	.2	.1					.1																								20	20	9	5	
46/48			.9	.3	.2	.1																												24	25	15	9	
44/48		.7	2.1	.4	.2																													36	36	37	27	
42/41		.4	3.0	.9	.1																													70	70	50	35	
40/39		1.1	2.0	1.0	.1																													63	66	40	34	
38/37		.7	4.8	.2																														93	93	68	65	
36/35		2.4	4.4	.2																														118	120	124	111	
34/33		3.7	6.7	.4																														173	176	167	135	
32/31		2.2	7.4	.1	.1																													174	176	133	105	
30/29		3.4	5.9	.2																														158	157	168	132	
28/27		2.4	2.7	.1																														21	24	118	107	
26/25		1.9	3.6	.1																														94	94	86	108	
24/23		2.2	2.0																															62	62	67	83	
22/21		2.9	2.1	.2																														63	62	77	91	
20/19		2.4	2.9																															84	82	80	54	
18/17		1.4	1.8																															51	51	64	60	
16/15		1.4	1.3																															64	64	62	78	
14/13		.7	1.0																															28	29	32	45	
12/11		1.1	.7																															30	30	31	47	
10/9		1.3	.2																															28	28	33	30	
8/7		.3																																13	13	16	23	
6/5		.4	.1																															9	9	7	24	
4/3		.4																																7	7	9	15	
2/1																																						14
0/0		.2																																4	4	4	8	
-2/-3		.1																																2	2	2	1	
-4/-5																																					3	
-6/-7																																					3	
TOTAL		34.757	4.2	1.0	.1	.1																													1612	1612	1612	

Element (X)	Z <sub>D</sub>	Z <sub>W</sub>	Z	Z <sub>S</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1282704	128203	88.2	8.394	1611	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	128272	2780	29.4	9.284	1620	.3	53.6					93
Wet Bulb	128242	4241	28.4	9.047	1612	.3	53.4					93
Dew Point	128702	4234	28.2	9.021	1612	.9	66.4					93

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DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

54-72

PAGE 1 0900-1100

Temp		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
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	DB	W.B.	D.	Bulb	Wet Bulb	Dew P.	
54/ 33					.1																															1	1			
52/ 31					.1	.1																														2	2			
50/ 49					.2	.1																														9	9		1	
48/ 47	.2	1.0			.2	.2																														25	25	14	6	
46/ 45	.3	1.2			.7	.1																														38	38	25	15	
44/ 42	.4	2.1			.7	.1																														54	54	39	26	
42/ 41	.7	2.5			.9	.1																														69	69	56	39	
40/ 39	1.2	4.5	1.2		.2																															118	119	92	61	
38/ 37	1.0	3.7			.4																															84	84	112	73	
36/ 35	2.2	3.3			.9																															128	139	120	135	
34/ 33	2.8	6.6			.6		.1																													162	169	154	132	
32/ 31	3.7	6.3			.1		.1																													169	169	181	163	
30/ 29	2.2	6.5			.2																															148	151	160	135	
28/ 27	2.0	2.8			.2																															99	100	115	156	
26/ 25	2.1	3.6			.1																															95	95	101	106	
24/ 23	2.2	2.0			.2																															73	73	92	98	
22/ 21	2.1	4.3																																		104	104	87	75	
20/ 19	1.4	2.2																																		59	60	74	81	
18/ 17	1.0	2.0																																		50	50	51	50	
16/ 15	1.1	1.2																																		39	39	46	72	
14/ 13	.6	.6																																		20	20	26	57	
12/ 11	.3	.7																																		19	19	16	31	
10/ 9	1.4	.5																																		30	30	34	30	
8/ 7	.6	.2																																		12	12	14	22	
6/ 5	.2	.1																																			7	7	7	30
4/ 3	.1	.1																																			2	2	2	10
2/ 1	.1																																				1	1	2	10
0/ -1	.1																																				1	1	1	6
-2/ -2	.1																																				2	2	2	1
-4/ -2																																								
-6/ -7																																								
-8/ -9																																								
TOTAL	30.7	61.5	6.8	1.0	.1																																1628	1640	1628	1628

Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	12440158	101578	87.0	8.867	1628	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1682640	49812	30.2	9.198	1628	.2	52.1					93
Wet Bulb	1808210	47404	29.1	8.862	1628	.2	38.0					93
Dew Point	1816222	48454	28.7	9.207	1628	.8	65.2					93

USAFETAC FORM 0-26-5 (OL A) REVISION 10-64-64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEIBACH AB GERMANY

24-72

JAN

PAGE 1 1200-1400

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	DB	WB	Dew	Wet Bulb	Dew P	
50/ 35																																			2	2		
54/ 33																																			2	2		
52/ 31																																			7	7		
50/ 49																																			25	25	1	
48/ 47																																			34	34	25	13
46/ 45																																			63	63	44	17
44/ 43																																			87	87	56	39
42/ 41																																			95	95	82	36
40/ 39																																			126	126	111	86
38/ 37																																			111	112	122	101
36/ 35																																			169	169	156	123
34/ 33																																			179	180	172	169
32/ 31																																			169	170	180	155
30/ 29																																			126	126	137	176
28/ 27																																			103	103	131	122
26/ 25																																			71	71	84	105
24/ 23																																			90	90	80	92
22/ 21																																			33	33	34	83
20/ 19																																			42	42	42	72
18/ 17																																			33	33	42	30
16/ 15																																			20	20	26	59
14/ 13																																			18	18	26	39
12/ 11																																			13	13	13	27
10/ 9																																			5	5	11	26
8/ 7																																			1	1	2	25
6/ 5																																						19
4/ 3																																						5
2/ 1																																						4
0/ -1																																						1
-2/ -3																																						1
-4/ -5																																						1
-6/ -7																																						1
-8/ -9																																						1
TOTAL	17	46	10	9	3	2																													1647	1650	1647	1647

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	11490000	130334	32.511201		1647							93
Wet Bulb	1916312	20804	21.48002		1647							93
Dew Point	1669889	66438	28.29004		1647	.2	60.0					93

USAFETAC FORM 0 26-5 (OL A) REVISION 10-65 (1) USE IN ALL REPORTS JUL 64

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34056 SENBACH AB GERMANY

54-72

JAN

PAGE 1 1500-1700

Temp		WET BULB TEMPERATURE DEPRESSION F																														TOTAL		TOTAL					
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	32	33	DB	WB	D.W.B.	Wet Bulb Dep. P.
50/ 55										.1	.1																									3	3		
54/ 53							.2	.1	.1																										4	4			
52/ 51							.4	.1	.1																										8	8			
50/ 49	.1	.3	.6				.1	.1	.1																										21	21	2	1	
48/ 47	.3	.8	.7				.4	.1	.1																										40	40	21	8	
48/ 45	.6	1.3	1.1				.3																												55	55	44	16	
44/ 43	.4	3.3	1.6				.3																												91	91	50	39	
42/ 41	.2	2.6	1.7				.6	.1																											88	88	97	50	
40/ 39	.8	3.5	2.7				.6																												123	123	85	83	
38/ 37	.2	3.0	2.3				.2																												142	144	113	71	
36/ 35	1.8	6.5	2.0				.3	.1																											174	174	181	132	
34/ 33	2.7	6.9	1.3				.4	.2																											188	188	200	137	
32/ 31	1.7	5.7	.9				.2																												138	138	176	171	
30/ 29	1.3	3.2	1.3																																131	131	145	155	
28/ 27	2.1	2.8	.7																																93	93	129	141	
28/ 28	1.2	2.9	.8																																81	81	77	127	
24/ 23	.9	4.0	.9																																85	85	79	92	
22/ 21	.4	2.8	.3																																58	58	76	75	
20/ 19	.4	1.6	.4																																40	40	64	62	
18/ 17	.3	1.0	.1																																23	23	28	57	
16/ 15	.2	1.0																																	20	20	29	54	
14/ 13	.1	1.0	.1																																19	19	21	35	
12/ 11		.2																																	4	4	10	27	
10/ 9	.1	.1																																	3	3	4	29	
8/ 7																																						1	21
6/ 5																																							17
4/ 3																																							7
2/ 1																																							2
0/ -1																																							2
-2/ -3																																							1
TOTAL	16.458	719.9	4.0	.8	.2																															1632	1634	1632	1632

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	11176036	122704	31.911	8.086	1632							93
Wet Bulb	1722777	81501	31.6	7.734	1632							93
Dew Point	1922710	60028	28.2	9.004	1632	.2	61.3					93

USAFETAC FORM 0-26-5 (OL A) 1-65 (REPLACES FORMS 1-65 AND 1-65-1)





DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 54-08

WET BULB TEMPERATURE DEPRESSION F																				
T	Td	W									Σ									
		1	2	3	4	5	6	7	8	9										
52/51			.1								2	2	7	3						
50/49	.2	.3	.2	.1							19	19	3	4						
48/47		.2	.6	.4	.1						19	19	3	4						
46/45	.4	1.7	.3	.1							33	33	23	5						
44/43	.7	2.2	1.3	.1							61	61	36	26						
42/41	.2	1.9	1.3	.2							50	50	39	37						
40/39	.4	2.9	.6	.1							56	56	52	38						
38/37	1.0	4.7	.6								87	87	75	59						
36/35	2.4	7.9	.5								151	151	127	99						
34/33	3.7	2.6	.9								142	142	139	162						
32/31	2.2	8.6	.4								156	156	130	120						
30/29	2.6	2.2	.4								113	113	163	132						
28/27	2.7	4.7	.4								109	109	118	136						
26/25	1.3	3.0	.3								64	64	66	98						
24/23	1.7	2.6	.1								61	61	72	72						
22/21	1.7	3.7									74	74	76	76						
20/19	1.1	3.0									57	57	59	45						
18/17	.9	2.2									43	43	46	54						
16/15	1.7	.7	.1								35	37	47	53						
14/13	.6	.6									16	16	18	56						
12/11	.6	.1									11	11	16	31						
10/9	1.0	.1									12	12	16	17						
8/7	.6	.1									11	11	9	20						
6/5	.4	.1									8	8	8	16						
4/3	.2										3	3	5	11						
2/1	.1	.1									2	2	1	13						
0/-1	.1										1	1	2	4						
-2/-3														3	3					
-4/-7															3	3				
TOTAL	28.662	1.1	0.1	1.1	.1								1393	1393	1393	1393				
Element (X)											Zx	R	Sx	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum	10820208	120618	86.4	8.916	1393	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					93				
Dir Bulb	1409808	42420	30.4	9.038	1393	.1	52.1									93				
Wet Bulb	1300008	40812	29.2	8.654	1393	.1	58.9									93				
Dew Point	1126672	37287	26.8	9.612	1393	.7	64.1									93				

USAFETAC FORM 0265 (CUA) 0101 84

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

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FEB

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		WET BULB TEMPERATURE DEPRESSION °F																															TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DW B	Wet B	Wet W	
56/55					.1	.2																												2	2			
54/53					.1	.2	.2																											5	5			
52/51			.5		.5	.2	.1																											15	15			
50/49					.9	.4																												17	17	10	2	
48/47	.2	.6	1.3		.2																													31	31	17	5	
46/45	.2	1.9	.6	.2	.1																													41	41	33	11	
44/43	.6	2.8	1.1	.2																														58	58	49	37	
42/41	.8	4.4	1.2	.2	.1																													86	86	73	49	
40/39	1.3	3.1	.7	.3																														68	68	90	91	
38/37	1.2	4.4	.9																															83	83	69	77	
36/35	2.4	4.6	.9																															100	100	105	74	
34/33	2.2	3.2	.9	.2																														112	112	96	104	
32/31	1.8	4.6	.9																															93	93	113	98	
30/29	1.8	3.9	1.2																															114	114	92	90	
28/27	2.4	5.7	.6	.2																														113	113	132	100	
26/25	2.9	3.2	.6																															89	89	97	96	
24/23	.4	3.1	.6	.1																														50	50	65	78	
22/21	1.2	.8	.9	.1																														32	32	55	58	
20/19	.6	.8	.1																															18	18	20	62	
18/17	1.0	.9	.1																															26	26	25	39	
16/15	.6	1.4																																25	25	26	38	
14/13	.9	.2																																15	17	23	21	
12/11	.3	.6																																12	12	8	14	
10/9	1.1	.4																																24	24	24	23	
8/7	.6	.2																																10	10	12	22	
6/5	.6	.2																																10	10	8	26	
4/3	.5	.2																																10	10	12	19	
2/1	.2																																	2	2	3	7	
0/-1	.3																																	4	4	4	7	
-2/-3	.2																																	2	2	2	10	
-4/-5																																					3	
-6/-7	.2																																	3	3	3	4	
-8/-9																																					1	
-10/-11																																					1	
Element (X)	$\Sigma x$	$\Sigma x^2$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0 26 5 (01 A) JAN 64  
 AIR WEATHER SERVICE/MAC

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

24-68

FEB

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Element (X)	Σ x'	Σ x	X	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	9204889	107209	84.911,028		1270							
Dry Bulb	1996488	40006	31.810,487		1272	.6	48.2					84
Wet Bulb	1274889	38807	30.19,921		1270	.6	48.2					84
Dew Point	1091277	34477	27.111,068		1270	1.9	54.2					84

USAFETAC FORM 0 26-5 (O-LA) REVISION 10-64 (THIS IS AN AIR WEATHER SERVICE FORM)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY  
STATION NAME

54-72  
YEARS

FEB  
MONTH

PAGE 1 0900-0500

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.		
54/53					.1	.2																												3	3				
52/51				.1	.2	.2																												15	15	1			
50/49			.2	.3	.4	.2																												16	16	8		2	
48/47		.2	.3	1.4	.4																													32	32	19		7	
46/45		.3	2.3	1.1	.3																													54	54	27		14	
44/43			2.6	1.4	.1																													54	54	36		27	
42/41	1.0	3.1	.5	.1																														62	62	64		66	
40/39	1.3	4.1	1.1	.1																														87	88	90		69	
38/37	1.7	3.3	.9	.2																														81	81	78		95	
36/35	1.6	4.9	.5																															93	93	91		66	
34/33	2.4	5.7	1.0	.2																														124	124	104		100	
32/31	2.6	4.6	.8																															99	100	131		111	
30/29	1.8	3.8	.8																															86	86	86		97	
28/27	3.5	4.7	.5																															117	117	115		100	
26/25	2.9	3.3	.3																															90	90	101		81	
24/23	2.0	3.8	.1																															79	79	98		92	
22/21	.8	2.6	.4																															51	51	45		70	
20/19	1.2	.9	.1																															29	29	49		71	
18/17	.3	.3	.3																															15	15	17		42	
16/15	1.3	.9																																29	30	27		40	
14/13	1.0	1.1																																28	28	32		29	
12/11	.6	.2																																12	12	14		21	
10/9	1.7	.2																																25	25	28		16	
8/7	.3	.2																																11	11	9		27	
6/5	.6	.2																																10	10	11		29	
4/3	1.0	.2																																16	14	16		17	
2/1	.4																																	5	5	6		10	
0/-1	.2																																	2	2	2		8	
-2/-3	.2																																	3	3	3		14	
-4/-5	.1																																	1	1	1		4	
-6/-7	.2																																	3	3	3		2	
-8/-9																																						2	
-12/-13																																						3	

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

USAFETAC FORM 0-26.5 (OL A) JUL 64

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DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

24-72

FEB

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Temp F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL						
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB WB	Dry Bulb	Wet Bulb	Dep P		
TOTAL	31,554	412.2	2.0																																1932	1935	1932	1932
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	9927877	114209	28.710,089	1932	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	84																											
Dry Bulb	1407474	40928	20.710,878	1932	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	84																											
Wet Bulb	1292890	39220	29.450,188	1932	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	84																											
Dew Point	1119789	32089	26.811,178	1932	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	84																											

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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24-72

FEB

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Temp		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL																
F	D	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	D.P.	Wet Bulb	Dew Pt.		
54/ 53					.1				.1																											3	3			
52/ 51				.3					.2																											12	12	1		
50/ 49				.1					.7																											12	12	8	2	
48/ 47			.2	.2					.2																											26	26	16	7	
46/ 45		.5	1.9	1.0					.4																											54	54	24	19	
44/ 43		.3	3.0	.8					.8																											59	59	39	28	
42/ 41		.8	3.4	.2					.2																											66	66	70	48	
40/ 39		1.1	3.6	.9					.9																											81	84	81	73	
38/ 37		1.1	3.0	.5					.1																											68	69	81	91	
36/ 35		1.7	6.0	1.1																																129	130	86	80	
34/ 33		2.5	6.2	.5																																135	136	144	98	
32/ 31		3.4	5.6	.2																																138	140	139	162	
30/ 29		3.2	3.4	.2																																100	101	118	123	
28/ 27		2.5	3.6	.5																																95	95	89	107	
26/ 25		3.0	3.1	.2																																121	121	110	85	
24/ 23		1.4	2.6	.1																																75	75	97	74	
22/ 21		1.5	1.7																																	47	47	72	80	
20/ 19		1.2	2.1	.2																																52	52	48	65	
18/ 17		.8	.6	.2																																24	24	36	70	
16/ 15		1.2	.8																																	29	29	27	39	
14/ 13		1.2	.9																																	30	30	34	33	
12/ 11		.8	.4																																	19	19	19	35	
10/ 9		1.3	.2																																	22	22	23	21	
8/ 7		.8	.1																																	20	20	17	26	
6/ 5		.6	.1																																	10	10	14	28	
4/ 3		.2	.1																																	11	11	10	14	
2/ 1		.4	.1																																	7	7	8	14	
0/ 0		.1																																		2	2	4	6	
-2/ -3		.1																																		2	2	2	9	
-4/ -5		.2	.2																																	6	6	2	8	
-6/ -7																																							1	2
-8/ -9																																							1	1
-10/ -11																																							6	6
-12/ -13																																							1	1
Element (X)		$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																												
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM 0-26-5 (OL A) JUL 64

DATA PROCESSING BRANCH  
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Element (X)	WET BULB TEMPERATURE DEPRESSION F																															TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	Wet Bulb - DB - F			
TOTAL	33.256.9	8.8	1.1																																1427	1466	1457
Rel. Hum.	11047020	124228	22.4	9.429	1487	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																									
Dry Bulb	1498409	4287	20.210.400	1400	0.0	40.0												84																			
Wet Bulb	1279272	42809	29.110.028	1487	0.7	31.1												84																			
Dew Point	1204094	28700	26.010.990	1487	1.0	30.2												84																			

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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	Dep.				
58/ 57								.1	.1																									2	2						
58/ 55					.1	.1																												4	4						
54/ 53					.2	.1	.2																											7	7						
52/ 51			.2	.2	.5	.1	.1																											22	22	4					
50/ 49	.1	.3	.8	.3	.1																													22	22	13	3				
48/ 47	.1	.7	1.7	.2																														40	40	19	14				
46/ 45	.2	2.6	.6	.1																														50	50	45	17				
44/ 43	.3	3.2	.8	.1																															64	64	76	37			
42/ 41	.3	3.0	.9	.2	.1																														65	65	63	58			
40/ 39	.3	2.7	1.7	.2																															88	90	63	69			
38/ 37	.3	2.9	1.1	.2																															88	90	85	88			
36/ 35	1.7	6.1	1.3	.1																															132	138	110	82			
34/ 33	2.8	7.0	1.1	.1																															159	161	161	126			
32/ 31	2.8	4.2	1.6																																124	124	134	139			
30/ 29	1.7	3.9	.8																																92	92	109	108			
28/ 27	1.7	4.1	.8																																	96	96	93	87		
26/ 25	2.6	4.1	.8	.1																																106	106	109	102		
24/ 23	1.5	3.4	.2	.1																																76	76	91	96		
22/ 21	.9	1.9	.1																																	42	42	64	76		
20/ 19	.3	1.4	.2																																	27	27	31	66		
18/ 17	1.1	.8	.4																																	29	29	34	46		
16/ 15	.8	.8	.4																																	22	22	27	33		
14/ 13	.9	.6																																		21	21	25	26		
12/ 11	.8	.1	.1																																	19	19	17	26		
10/ 9	.8	.3	.1																																	17	17	16	24		
8/ 7	.3	.1	.1																																	11	11	14	20		
6/ 5	.3	.1	.1																																	8	8	10	17		
4/ 3	.3	.1	.1																																	4	4	4	10		
2/ 1	.3	.1	.1																																	4	4	3	7		
0/ -1	.3	.1	.1																																	2	2	2	7		
-2/ -3	.3	.1	.1																																	3	3	2	6		
-4/ -5	.3	.1	.1																																	2	2	2	8		
-6/ -7	.3	.1	.1																																			2	2	3	5
-8/ -9	.3	.1	.1																																				1	1	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	Total																													
Dry Bulb																																									
Wet Bulb																																									
Dew Point																																									

USAFETAC FORM 0-26-5 (OL-A) REVISI...

DATA PROCESSING BRANCH  
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# PSYCHROMETRIC SUMMARY

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Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB WB DP H	TOTAL Wet Bulb Dep P								
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			31							
-10/-11																																									4
-14/-15																																							1		
<b>TOTAL</b>	24,157	815.1	2.5	.6	.1																																	1451			
																																						1460			
																																						1451			
Element (X)		$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total																													
Rel. Hum.	1041000	12180	84,011,012	1481	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	84																														
Dry Bulb	1027980	46020	31,318,117	1480	.6	60.0					84																														
Wet Bulb	1077690	44120	20,498,809	1481	.6	47.0					84																														
Dew Point	1227207	29801	27,410,992	1481	1.9	22.4					84																														

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Temp	WET BULB TEMPERATURE DEPRESSION F																												TOTAL		TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Wet-B	Dry-B	Wet-B	Dry-B		
60/ 65										.1																							1	1		
64/ 63																																	1	1		
62/ 61										.1	.1	.1	.1																			5	5			
60/ 59										.2	.1	.1	.1																			7	7			
58/ 57									.1	.3	.4	.1	.1																			14	14	2		
56/ 55									.1	.1	.2	.1																				9	9			
54/ 53									.4	.9	.9	.1																				33	33	11	1	
52/ 51									.2	.2	.2	.1																				30	30	12	1	
50/ 49									.3	1.1	.7	.1	.1																			35	35	26	12	
48/ 47									.1	1.2	1.4	.2																					26	26	37	21
46/ 45									.1	2.2	1.7	1.2	.2	.1																			81	81	65	19
44/ 43									.2	2.2	1.8	1.4	.2																				88	88	71	49
42/ 41									.4	3.2	2.4	1.6	.1																				113	113	95	63
40/ 39									.9	3.4	2.7	1.2	.1																				121	121	100	106
38/ 37									.4	3.9	2.9	1.5																					128	128	133	72
36/ 35									1.0	4.2	2.9	.8																					128	128	141	117
34/ 33									1.2	4.2	2.9	.6																					132	132	135	129
32/ 31									.5	2.2	2.7	.2	.1																				82	82	124	129
30/ 29									.8	3.1	2.9	.2																					103	103	98	113
28/ 27									1.2	3.2	1.8	.1	.1																				94	94	117	101
26/ 25									1.0	2.7	1.0	.1																					69	69	94	96
24/ 23									.1	1.2	.6																						20	20	68	86
22/ 21									.1	1.0	.3																						21	21	30	55
20/ 19									.1	1.1	.1																						20	20	22	77
18/ 17									.3	.9	.1																						18	18	28	52
16/ 15									.4	.8	.1																						12	12	12	40
14/ 13									.1	.3	.1																						8	8	13	33
12/ 11									.1	.2	.1																						2	2	4	24
10/ 9									.1	.2	.1																						8	8	3	19
8/ 7									.1	.1	.1																						2	2	7	13
6/ 5									.1	.1	.1																						1	1	1	11
4/ 3									.1	.1	.1																						1	1	2	2
2/ 1									.1	.1	.1																						3	3	2	2
0/ .8									.1	.1	.1																						1	1	2	7
Element (X)	Σ X		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature						Total																			
Rel. Hum											≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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T <sub>DB</sub> F	WET BULB TEMPERATURE DEPRESSION F																															TOTAL			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T <sub>WB</sub>	T <sub>DB</sub> - T <sub>WB</sub>		
-2/-3																																			5
-4/-5																																			4
-6/-7																																			4
-8/-9																																			1
-10/-11																																			1
TOTAL	9.2	43.5	30.1	12.9	3.4	.5	.2																											1465	

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
	± 0 F	± 32 F	± 67 F	± 73 F		± 80 F	± 93 F				
Rel Hum.	8750000	111000	70.112.802	1408							
Dry Bulb	2080747	29112	29.2 9.007	1408	.1	27.0					84
Wet Bulb	1756974	49084	22.2 8.042	1408	.1	20.2					84
Dew Point	1586241	42501	20.010.221	1408	1.2	30.2					84

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Time	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	D. Bulb	Wet Bulb Dep. F			
68/ 67																																		1	1		
68/ 65																																		2	2		
64/ 63																																		1	1		
62/ 61																																		6	6		
60/ 59																																		11	11		
58/ 57																																		20	20	1	
56/ 55																																		14	14	1	
54/ 53																																		26	26	13	
52/ 51																																		27	27	18	4
50/ 49																																		26	26	25	9
48/ 47																																		71	71	36	18
48/ 45																																		89	89	61	21
44/ 43																																		122	122	70	52
42/ 41																																		117	117	120	65
40/ 39																																		106	106	113	107
38/ 37																																		115	115	127	75
36/ 35																																		142	143	130	119
34/ 33																																		119	119	130	127
32/ 31																																		99	99	126	119
30/ 29																																		94	94	125	103
28/ 27																																		88	88	112	114
26/ 25																																		57	57	89	93
24/ 23																																		14	14	63	92
22/ 21																																		16	16	11	78
20/ 19																																		17	17	20	69
18/ 17																																		22	22	25	42
16/ 15																																		11	11	14	42
14/ 13																																		5	5	10	21
12/ 11																																		3	3	1	22
10/ 9																																		2	2	4	16
8/ 7																																		1	1	2	7
6/ 5																																		1	1	2	8
4/ 3																																		1	1	3	2
2/ 1																																		1	1	3	2
Element (X)	Σ x		Σ x	Σ x	Σ x	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																									
Dir Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0 26 5 (G. A.) 48-36 WEATHER SERVICE USE ONLY 6-57

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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	DB	WB	Dry Bulb	Wet Bulb	Dew P.		
0/ -1																																							2
-2/ -3																																							7
-4/ -5																																							2
-6/ -7																																							2
-8/ -9																																							1
-10/ -11																																							1
TOTAL	6.8	37.8	33.7	10.1	5.0	.8	.3	.1																														1462	
																																						1462	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$	
Rel. Hum.	2255829	107809	72.816	181	1462							
Dry Bulb	2184297	84408	57.2	9.472	1462		29.1	.1				84
Wet Bulb	1808877	49877	34.1	8.270	1462		29.2					84
Dew Point	1392038	48628	29.819	0.88	1462	.9	49.7					84

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Time	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	W.B.	D.P.	Wet Bulb	Dew P.				
04/ 03																																				1	1		
02/ 01																																				1	1		
00/ 59										.1	.2																								3	3			
58/ 57											.1	.2																							1	1			
56/ 55				.1	.2	.2	.2	.1																											9	9			
54/ 53			.2	.2	.2	.2	.2	.1																											11	11	4		
52/ 51			.5	.7	.7	.7	.1	.1																											26	26	9	1	
50/ 49			.4	.7	.7	.7																													26	26	14	6	
48/ 47			.6	1.4	.6	.6	.1																												35	35	16	14	
46/ 45	.2	2.2	1.0	1.1	1.1	.2																													73	73	31	10	
44/ 43	.3	3.1	1.4	1.0	.1																														76	76	71	39	
42/ 41	.7	3.1	1.6	.5																															75	75	73	66	
40/ 39	.7	3.3	2.3	.5																															90	90	92	80	
38/ 37	1.2	4.9	2.3	.5																															114	114	103	86	
36/ 35	1.1	5.1	2.3	.7																															117	117	103	90	
34/ 33	.9	3.3	2.3	.4																															98	98	110	100	
32/ 31	1.1	5.6	2.3	.9																															129	129	100	107	
30/ 29	.9	4.8	1.7	.2																															97	97	140	79	
28/ 27	1.5	2.6	1.7	.6																															82	82	101	102	
26/ 25	.7	2.1	1.1	.1																															62	62	72	95	
24/ 23	1.0	2.0	.4																																44	44	72	79	
22/ 21	.1	1.1	.2																																17	17	43	64	
20/ 19	.1	.3	.1																																6	6	13	45	
18/ 17	.2	1.2																																	18	18	11	45	
16/ 15	.4	1.2																																	20	20	23	40	
14/ 13	.2	.9	.1																																15	15	20	20	
12/ 11	.4	.6																																	15	15	13	18	
10/ 9	.2	.2																																	5	5	10	22	
8/ 7	.2	.2																																	4	4	7	28	
6/ 5	.1	.1																																	1	1	1	12	
4/ 3		.1																																				11	
2/ 1		.1																																		1	1	4	
0/ -1		.1																																		1	1	2	3
02/ -3		.1																																		1	1	1	2

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Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	8141806	100548	78.8	12.897	1275							
Dry Bulb	1688912	44114	34.6	9.401	1275	.1	36.2					84
Wet Bulb	1438040	41202	32.4	8.863	1275	.2	41.4					84
Dew Point	1166863	36227	28.4	10.269	1275	.8	51.6					84

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Temp F	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL		TOTAL														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	DB	WB	Dry Bulb	WB	Dew P.		
58/57						.1	.2																													3	3			
56/55				.2		.2																														4	4			
54/53						.2				.2																										5	5		1	
52/51				.5	.5	.3																														16	16		2	
50/49			.5	1.0	.3	.2																														26	26		15	
48/47			.3	1.0	.6					.2																										25	25		13	
46/45			2.0	.5	.2																															33	33		26	
44/43	.4	2.9	1.3	.2	.1																															74	74		60	
42/41	.4	4.3	.8	.4	.1																															76	76		76	
40/39	.6	4.2	1.8	.2																																88	88		80	
38/37	1.6	4.9	1.3																																	98	98		90	
36/35	1.7	5.4	1.2	.3																																110	110		114	
34/33	1.7	4.3	1.4	.1																																96	96		108	
32/31	1.7	4.1	2.7	.2																																109	109		96	
30/29	1.3	7.3	1.0	.3																																	126	126		111
28/27	2.4	4.9	1.0	.2																																	107	107		139
26/25	1.4	3.3	.6	.3																																71	71		79	
24/23	.5	2.4	.6	.1																																44	44		68	
22/21	.7	1.7	.2																																	33	33		39	
20/19	.6	1.0																																		21	21		39	
18/17	.4	.7																																		14	14		20	
16/15	.6	1.2																																		23	23		19	
14/13	.3	.9																																		16	16		19	
12/11	.3	.6																																		12	12		14	
10/9	1.0	.6																																		20	20		20	
8/7	.6	.1																																		8	8		11	
6/5	.2	.2																																		5	5		4	
4/3	.1	.1																																		2	2		3	
2/1		.1																																		1	1		2	
0/-1	.1																																			1	1		1	
-2/-3		.2																																		1	1		1	
-4/-5		.2																																		2	2		2	
-6/-7																																								
-8/-9																																								
Element (X)	Σ x'		Σ x		$\bar{x}$	$s_x$	No. Obs.		Mean No. of Hours with Temperature						Total																									
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																										
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

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Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	8805782	104672	82.411.862		1270							
Dry Bulb	1469870	41402	32.6 9.711		1270	.3	40.7					84
Wet Bulb	1821901	39261	20.9 9.207		1270	.3	48.4					84
Dew Point	1109112	35082	27.610.502		1270	.9	52.1					84

USAFETAC FORM 0 26-5 (OLA) JUL 64

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		WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	D.P.	R.H.	Wet Bulb Dep. P.			
62/ 61																																				1	1			
60/ 59																																				2	2			
58/ 57																																				1	1			
56/ 55																																				4	4			
54/ 53																																				7	7		1	
52/ 51																																				23	23		11	
50/ 49																																				43	43		14	
48/ 47																																				77	77		28	
46/ 45																																				94	94		43	
44/ 43																																				97	97		60	
42/ 41																																				108	108		67	
40/ 39																																				144	144		101	
38/ 37																																				147	147		127	
36/ 35																																				121	121		111	
34/ 33																																				104	104		134	
32/ 31																																				72	72		141	
30/ 29																																				122	122		91	
28/ 27																																				64	64		84	
26/ 25																																				61	61		97	
24/ 23																																				63	63		67	
22/ 21																																				31	31		74	
20/ 19																																				11	11		59	
18/ 17																																				5	5		39	
16/ 15																																				2	2		32	
14/ 13																																				2	2		10	
12/ 11																																							10	
10/ 9																																						5		
8/ 7																																						1		
2/ 1																																						1		
TOTAL																																					1399	1399		1399

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	9437412	113428	81.711219	8.007	1399							93
Wet Bulb	1968025	51192	36.7	7.517	1399							93
Dew Point	1476672	48727	31.5	8.492	1399							93

USAFETAC FORM 026-5 (G. A.) JUL 64



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Temp. F	WET BULB TEMPERATURE DEPRESSION - F																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	C	H	D	H	
66/65													.1																						1	1	
58/55								.1																											2	2	
54/53							.1	.1																											2	1	
52/51			.2	.2		.1																												10	10		
50/49	.1	.9	.2	.2	.1																													25	25		
48/47	.2	2.2	.4	.2	.1																													49	49		
46/45	.9	2.7	.9	.5																														82	82		
44/43	1.4	3.2	.9	.1																														101	101		
42/41	.8	4.5	1.7	.3																														119	120		
40/39	1.3	3.2	2.2	.2																														147	147		
38/37	1.7	4.8	2.2	.1	.1																													144	146		
36/35	1.9	3.9	1.4																															148	148		
34/33	2.2	6.7	1.9																															173	174		
32/31	1.5	3.4	.7	.1																														126	128		
30/29	1.9	4.4	.6																															111	112		
28/27	1.4	4.4	.9																															109	111		
26/25	1.0	4.3	.1																															88	90		
24/23	1.0	2.0	.2																															52	52		
22/21	1.0	1.5	.1																															43	43		
20/19	1.0	.8	.1																															31	32		
18/17	.5	.9																																23	23		
16/15	1.0	.4																																22	22		
14/13	.1	.1																																3	4		
12/11	.1	.1																																4	4		
10/9	.1	.1																																5	5		
8/7																																			1		
6/5																																					
4/3																																					
0/ -1																																					
<b>TOTAL</b>	<b>21.8</b>	<b>61.2</b>	<b>21.2</b>	<b>1.9</b>	<b>.4</b>							<b>.1</b>																							<b>1621</b>	<b>1621</b>	<b>1621</b>

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	12025514	138884	35.4	9.945	1621	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2061808	86227	36.4	8.111	1621		38.7					92
Wet Bulb	1861425	82661	33.0	7.788	1621		42.2					92
Dew Point	1621817	49319	30.4	8.688	1621	.1	32.5					92

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		WET BULB TEMPERATURE DEPRESSION F																															TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DB	WB		
66/	63																																		1	1		
64/	63																																		2	2		
62/	61																																		5	5		
60/	59																																		8	8		
58/	57																																		12	12		
56/	55																																		19	19		
54/	53																																		33	33		
52/	51																																		29	39		
50/	49																																		71	71		
48/	47																																		118	118		
46/	45																																		120	120		
44/	43																																		133	133		
42/	41																																		152	152		
40/	39																																		149	149		
38/	37																																		128	128		
36/	35																																		133	133		
34/	33																																		118	120		
32/	31																																		89	89		
30/	29																																		99	99		
28/	27																																		72	72		
26/	25																																		52	52		
24/	23																																		28	28		
22/	21																																		22	22		
20/	19																																		10	10		
18/	17																																		8	8		
16/	15																																		4	4		
14/	13																																		2	2		
12/	11																																		1	1		
10/	9																																		1	1		
8/	7																																					
4/	3																																					
TOTAL		7.046	29.411	1.0	2.9	1.0	.7	.1																											1034	1037	1034	1034

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	10174881	127178	77.8	12.990	1034	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2220004	22460	28.8	8.261	1037		22.0					93
Wet Bulb	2226448	22928	28.1	7.778	1034		20.6					93
Dew Point	1008846	22666	22.1	8.711	1034		48.4					93

USAFETAC FORM 84 0-26-5 (O.L.A.) RE-USED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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		WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	Dp	WB	Wet Bulb	Dep			
72/ 71																																			2	2					
70/ 69																																			2	2					
68/ 67																																			3	3					
66/ 65																																			0	0					
64/ 63																																			18	18					
62/ 61																																			22	22					
60/ 59																																			30	30					
58/ 57																																			23	23			2		
56/ 55																																			47	47			7		
54/ 53																																			66	66			18		
52/ 51																																			109	109			54	4	
50/ 49																																			120	120			82	11	
48/ 47																																			148	148			128	46	
46/ 45																																			159	158			152	70	
44/ 43																																			129	129			139	104	
42/ 41																																			126	126			128	108	
40/ 39																																			117	117			150	127	
38/ 37																																			92	92			140	163	
36/ 35																																			82	82			136	128	
34/ 33																																			94	94			92	115	
32/ 31																																			80	80			110	127	
30/ 29																																			67	67			119	124	
28/ 27																																			33	33			71	114	
26/ 25																																			7	7			62	96	
24/ 23																																			6	6			15	75	
22/ 21																																			2	2			2	62	
20/ 19																																			2	2			1	41	
18/ 17																																			1	1			2	46	
16/ 15																																						1		1	26
14/ 13																																									21
12/ 11																																									11
10/ 9																																									5
8/ 7																																									5
6/ 5																																									1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																													
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																														
Dry Bulb																																									
Wet Bulb																																									
Dew Point																																									

USAFETAC FORM 0 26 5 (OL A) JUL 64

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Time	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	DB	WB	Dew Pt	Wet Bulb	Dew Pt		
TOTAL	2.223	2.227	1.23	0.913	0.8	6.6	2.1	.6	.3	.1	.1																										1630	1630	1630
Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	7787160	109832	47.2	8.009	1630	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																												
Dry Bulb	8261906	71222	48.7	8.930	1630		11.6	.6				93																											
Wet Bulb	8872298	69891	39.0	7.492	1630		21.3					93																											
Dew Point	1062209	59517	32.8	8.768	1630		48.0					93																											

USAFETAC FORM 0-26-5 (O.L.A.) JUL 64 REVISION PREVIOUS EDITIONS ARE OBSOLETE



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		WET BULB TEMPERATURE DEPRESSION °F																															TOTAL		TOTAL				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DB	WB			
74/ 73																																			1	1			
72/ 71																																			2	2			
70/ 69																																			4	4			
68/ 67																																			0	0			
66/ 65																																			14	14			
64/ 63																																			24	24			
62/ 61																																			39	39			
60/ 59																																			39	39			
58/ 57																																			59	59			
56/ 55																																			64	64			
54/ 53																																			61	61			
52/ 51																																			119	119			
90/ 49																																			135	135			
48/ 47																																			148	148			
46/ 45																																			152	152			
44/ 43																																				127	127		
42/ 41																																				131	131		
40/ 39																																				111	111		
38/ 37																																				86	86		
36/ 35																																				91	91		
34/ 33																																				81	81		
32/ 31																																				68	68		
30/ 29																																				49	49		
28/ 27																																				17	17		
26/ 25																																				6	6		
24/ 23																																				4	4		
22/ 21																																				3	3		
20/ 19																																				3	3		
18/ 17																																				3	3		
16/ 15																																							
14/ 13																																							
12/ 11																																							
10/ 9																																							
8/ 7																																							
Element (X)	Σ x²	Σ x	X	Σ x	No. Obs.	Mean No. of Hours with Temperature						Total																											
Dry Bulb						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																												
Wet Bulb																																							
Dew Point																																							

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TOTAL	WET BULB TEMPERATURE DEPRESSION F												TOTAL	TOTAL																									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	W B	W B	W B	W B	Dew P		
2.317	.226	.020	.417	.8	9.7	3.8	1.9	.8	.1	.1																										1643	1643	1643	1643

Element (X)	Z x'	Z x	X	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	7181481	108119	66.016	602	1643	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2472208	74041	49.1	9.120	1643		0.9	1				93
Wet Bulb	2077472	62208	39.7	7.292	1643		18.0					93
Dew Point	1004890	59760	32.7	6.742	1643		42.0					93

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T <sub>d</sub> /T <sub>w</sub>	WET BULB TEMPERATURE DEPRESSION °F																				TOTAL	TOTAL												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL			
60/59						.1																								1	1			
58/57						.2																								9	9			
56/55					.2																									9	9			
54/53			.4	.3		.4																								21	21	1		
52/51			.6	.9		1.2																								45	45	15	2	
50/49			.9	2.2		1.5																								70	70	17	11	
48/47	.3	2.1	2.3		.8																									81	81	53	29	
46/45	1.1	3.8	2.2		1.5																									125	125	112	39	
44/43	.6	3.7	3.6		.9																									125	125	126	73	
42/41	.8	4.0	4.1		.7																									135	135	114	98	
40/39	.3	4.5	4.6		1.1	.1																								147	147	133	113	
38/37	.1	3.2	3.2		.2																									99	99	147	110	
36/35	.8	3.8	2.9		.5																									111	111	131	125	
34/33	.4	3.0	3.0		.3																									94	94	112	123	
32/31	.1	2.7	2.9		.2																									81	81	76	120	
30/29	.4	4.0	2.2		.2																									96	96	110	92	
28/27	.4	3.0	.6																											55	55	98	88	
26/25	.6	1.9	.9																											46	46	62	90	
24/23	.3	1.2	.4																											26	26	44	82	
22/21	.2	.6	.1																											13	13	26	64	
20/19	.1	.1																												2	2	13	50	
18/17	.2																													3	3	4	25	
16/15																															1			18
14/13																																		20
12/11																																		3
10/9																																		8
8/5																																		1
TOTAL	6.743	6.686	5.10	2.4	.8																									1394	1395	1394	1394	

Element	X <sub>1</sub>	Z <sub>1</sub>	X <sub>2</sub>	Z <sub>2</sub>	X	Z	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	8012244	108294	77.7	11.982	1394		1394							93
Wet Bulb	8192030	34290	36.9	7.840	1394				21.5					93
Dew Point	1902130	30476	36.2	7.310	1394				28.9					93
	1849712	44968	32.2	6.432	1394				44.8					93

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 USAF ETAC  
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PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

14-68

APR

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		WET BULB TEMPERATURE DEPRESSION F												TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
66/ 65																	1	1	
64/ 63																	1	1	
62/ 61																	8	8	
60/ 59																	12	18	
58/ 57																	19	19	
56/ 55	.1	.1	.8														27	27	
54/ 53		.8	1.2														40	40	
52/ 51	.3	2.4	1.1														69	69	
50/ 49	.4	3.6	1.7	1.3													98	98	
48/ 47	1.2	4.7	3.2	1.9													168	168	
46/ 45	1.0	3.9	3.7	2.4													151	151	
44/ 43	.7	4.1	1.8														103	103	
42/ 41	.3	4.5	2.5	1.5													120	120	
40/ 39	1.0	5.0	4.0	.8													143	143	
38/ 37	1.8	4.6	2.4	.3													122	122	
36/ 35	.7	3.9	1.4	.4													87	87	
34/ 33	1.5	2.7	1.9	.1													84	84	
32/ 31	.3	2.4	.6														44	44	
30/ 29	.4	1.4	.5														32	32	
28/ 27	.1	.7															11	11	
26/ 25	.1																2	2	
24/ 23																			
22/ 21																			
20/ 19																			
18/ 17																			
TOTAL	10.045	0.27	4.12	0	3.7	.4	.1										1350	1350	1350

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Rel. Hum.	8998886	108958	80.7	12.316	1350							
Dry Bulb	2560884	38014	43.0	7.064	1350			3.9				90
Wet Bulb	2233981	36469	40.3	6.660	1350			11.0				90
Dew Point	1933767	30168	37.2	7.187	1350			26.6				90

USAFETAC FORM 0265 (10-67)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

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		WET BULB TEMPERATURE DEPRESSION														
		0	1	2	3	4	5	6	7	8	9	10	11			
60/ 59				.2								5	5			
58/ 57				.1	.1							6	6			
56/ 55		.1	.1	.9	.2							27	20			
54/ 53	.1	.5	1.5	.6			.1					38	38	6		
52/ 51	.2	2.2	1.3	.4	.1							60	60	33	10	
50/ 49	.4	2.9	1.1	.6	.1							73	73	83	42	
48/ 47	1.0	4.9	1.8	.7	.2							123	123	85	69	
46/ 45	1.1	5.5	2.1	.8								136	136	116	101	
44/ 43	1.3	4.0	2.9	.8								126	126	125	109	
42/ 41	.8	4.6	2.7	.6								123	123	119	99	
40/ 39	1.7	6.8	3.7	.1	.1							176	176	154	111	
38/ 37	1.5	6.2	3.2	.3								161	162	182	137	
36/ 35	1.8	4.3	.7	.1								97	97	164	154	
34/ 33	1.4	4.4	.8									94	93	106	156	
32/ 31	1.1	4.1	.6									83	83	96	140	
30/ 29	.8	2.7	.4									55	55	81	99	
28/ 27	.5	1.5	.3									32	32	44	89	
26/ 25	.1	.6	.1									12	12	24	35	
24/ 23	.1	.1										4	4	8	31	
22/ 21														2	18	
20/ 19															18	
18/ 17															3	
16/ 15															3	
TOTAL	13.955	723.3	5.8	1.1	.1	.1								1424	1424	1424

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Rel. Hum.	10218803	120285	84.5	10.549	1424							90
Dry Bulb	2449958	36870	40.9	6.923	1424		11.7					90
Wet Bulb	2214139	53975	38.9	6.335	1424		16.1					90
Dew Point	1955805	51772	36.4	7.160	1424		27.6					90

USAFETAC FORM 84 JUL 64 0-26 5 (EX A)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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		WET BULB TEMPERATURE DEPRESSION (°F)																				TOTAL	TOTAL		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Hours	Days		
64/ 63																						2	2		
62/ 61					.1																	2	2		
60/ 59					.1																	2	2		
58/ 57					.2		.2	.3														10	10	1	
56/ 55			.1	.3	.6	.2																18	18	3	
54/ 53	.1	.6	1.3	.4	.1	.1	.1															39	39	10	1
52/ 51	.6	2.5	1.3	.4	.1																	77	77	45	17
50/ 49	.6	3.7	1.3	.8	.2																	103	103	92	56
48/ 47	.6	4.3	2.7	.8	.1																	134	134	86	84
46/ 45	.6	5.9	1.6	.8																		141	141	125	99
44/ 43	1.1	4.9	3.0	.7	.1																	156	156	161	119
42/ 41	1.1	5.0	2.3	.4																		142	142	137	110
40/ 39	.8	6.5	2.8	.3	.1																	168	169	192	136
38/ 37	1.7	5.9	2.9	.1	.1																	169	171	193	134
36/ 35	1.6	5.1	1.1	.1																		126	126	179	168
34/ 33	1.5	4.7	1.5																			122	122	130	189
32/ 31	1.2	2.9	.4																			72	73	117	143
30/ 29	.4	2.8	.4																			58	58	70	116
28/ 27	.6	1.1	.1																			28	28	55	84
26/ 25	.1	.5																				9	9	16	50
24/ 23		.2																				3	3	7	30
22/ 21																								1	19
20/ 19																									12
18/ 17																									7
TOTAL	12.656	623.4	5.8	1.5	.1	.1															1582	1588	1582	1582	

USAFETAC Form 0 26 5 (E.O.A) (JUL 54)

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel Hum.	11399910	133266	84.210	402	1582							
Dry Bulb	2771203	65417	41.2	6.937	1582		9.7					90
Wet Bulb	2493300	61990	39.2	6.338	1582		15.2					90
Dew Point	2202794	57944	36.6	7.135	1582		26.2					90





DATA PROCESSING BRANCH  
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# PSYCHROMETRIC SUMMARY

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		WET BULB TEMPERATURE DEPRESSION F																															TOTAL	TOTAL				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-WB	D.W-B				
82/ 81																																			2	2		
80/ 79																		.1	.1															4	4			
78/ 77																	.2	.3	.1															4	8			
76/ 75																	.1	.1	.1															4	4			
74/ 73																	.2	.1	.3	.1				.1										13	13			
72/ 71												.1	.3				.2	.1																9	9			
70/ 69												.2	.6				.6	.1																24	24			
68/ 67							.1	.3	.2	.7	.2	.1	.1				.2	.1	.1															30	30			
66/ 65				.1	.2	.4	1.2	.9	.1	.2							.1	.2																49	49			
64/ 63				.2	.8	1.1	.9	.8	.2								.2																	56	56	7		
62/ 61			.2	.8	1.1	1.1	.9	.8	.2																									61	61	9		
60/ 59			.1	.2	1.1	1.7	1.0	.2	.2	.1																								79	79	17		
58/ 57		.6	1.1	1.3	2.0	1.2	.2	.1																										109	109	33	1	
56/ 55	.3	1.1	2.0	2.3	2.3	.4	.2																											140	140	43	5	
54/ 53	1.1	1.7	1.3	1.3	1.6	.2																												118	118	93	7	
52/ 51	.2	1.5	2.3	1.3	2.2	1.1	.2	.1																										150	150	144	51	
50/ 49	.1	1.1	1.8	2.2	2.3	.6	.2																											131	131	172	86	
48/ 47	.2	1.4	2.2	2.2	1.3	.6																												128	128	180	81	
46/ 45	.1	1.1	1.3	3.1	1.4	.7																												124	124	177	133	
44/ 43	.2	1.2	1.3	1.8	1.6	.2																												109	109	133	130	
42/ 41	.1	1.1	2.4	2.2	.9	.1																												107	107	135	121	
40/ 39	.2	1.6	2.0	.6	.2																													73	73	131	140	
38/ 37	.8	.4	.6																															28	28	125	141	
36/ 35	.1	.6	.2	.2																														17	17	112	161	
34/ 33	.1	.3	.1																															6	6	28	137	
32/ 31	.1	.1																																2	2	19	125	
30/ 29																																					3	81
28/ 27																																					52	
26/ 25																																					46	
24/ 23																																					41	
22/ 21																																					26	
20/ 19																																					10	
18/ 17																																					4	
16/ 15																																					1	
Element X <sup>2</sup>	Σ X <sup>2</sup>	Σ X	X̄	S <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel Hum						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAETAC  
 M/AM 0-26.5 (OL A)  
 JUL 64

DATA PROCESSING BRANCH  
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PSYCHROMETRIC SUMMARY

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Time	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL W.B.D.	TOTAL W.B.D.						
	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45			46	47	48	49	50	
14/ 13																																					1	
TOTAL	1.4	12.3	18.3	19.5	18.0	14.1	7.7	5.2	2.0	.8	.4																									1581	1581	1581

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	6990418	96826	61.2	17.071	1581							
Dry Bulb	6999098	82190	52.0	8.792	1581		1	2.4	1.8	.2		90
Wet Bulb	8900901	71318	48.2	8.471	1581		1.8					90
Dew Point	2974021	60089	38.0	7.716	1581		22.0					90

USAFETAC FORM 0265 (01-61) REVISION 10-61 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)



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Element	WET BULB TEMPERATURE DEPRESSION F										TOTAL	TOTAL																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	W.B. D. H.	W.B. D. H.	
TOTAL	.911	.417	.714	.515	.515	.511	.7	6.8	3.6	1.1	1.0	.4																				1585	1585
Rel. Hum.	2949136	92732	28.518	184	1585	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																					
Dry Bulb	4024106	84498	52.8	9.062	1585			8.1	2.6	.4		90																					
Wet Bulb	3393148	72622	42.8	6.391	1585			.9				90																					
Dew Point	2265462	89974	27.8	7.791	1585			22.0				90																					

USAFETAC FORM 0 265 (Rev. 4-54) (Replaces AFM 7-52, AFM 7-52a, AFM 7-52b, AFM 7-52c, AFM 7-52d, AFM 7-52e, AFM 7-52f, AFM 7-52g, AFM 7-52h, AFM 7-52i, AFM 7-52j, AFM 7-52k, AFM 7-52l, AFM 7-52m, AFM 7-52n, AFM 7-52o, AFM 7-52p, AFM 7-52q, AFM 7-52r, AFM 7-52s, AFM 7-52t, AFM 7-52u, AFM 7-52v, AFM 7-52w, AFM 7-52x, AFM 7-52y, AFM 7-52z)



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Element (X)	Σ X <sup>2</sup>	Σ X	X̄	S <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel Hum.	8144881	87917	88.1	17.708	1351							
Dry Bulb	3345973	68807	50.9	6.450	1351		2.9	3.7	1.1			90
Wet Bulb	2747672	60308	44.6	6.480	1351		1.8					90
Dew Point	2022224	51622	38.2	7.700	1351		20.9					90

USAFETAC FORM 0-26-5 (OL A) JUL 64







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 USAF ETAC  
 AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

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MAY

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		WET BULB TEMPERATURE DEPRESSION (F)										TOTAL		TOTAL	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
64/ 63														1	1
62/ 61				.3										7	7
60/ 59				.5	.4									27	27
58/ 57		.4	1.5	.5	.6	.2								50	50
56/ 55		.5	2.2	1.2	1.0	.2								75	76
54/ 53		1.6	4.6	2.0	.7	.4								137	140
52/ 51		1.0	4.8	2.1	.8	.2								130	134
50/ 49		.9	5.5	2.9	1.2	.1								155	155
48/ 47		.7	6.9	2.3	.6									154	159
46/ 45		1.3	7.5	2.0	.5									165	169
44/ 43		1.6	7.1	1.0	.2									145	145
42/ 41		2.1	5.0	1.6	.2									130	131
40/ 39		2.9	4.3	1.1										121	121
38/ 37		.8	4.4	.3										82	82
36/ 35		1.2	1.6											41	41
34/ 33		.7	.4											17	17
32/ 31		.5	.6											16	16
30/ 29		.4	.4											12	12
28/ 27			.1											2	2
26/ 25															
24/ 23															
TOTAL		16.6	57.9	17.2	6.6	1.4	.1							1467	1477
															1467

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Dry Bulb	11282367	127851	87.2	9.772	1467			1.9				93
Wet Bulb	2969970	65402	44.6	6.081	1467		2.1					93
Dew Point	2736136	62686	42.7	6.386	1467		5.0					93

USAFETAC FORM 0-26 5-74 A. 101-04

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SENBACH AB GERMANY

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MAY

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Temp	WET BULB TEMPERATURE DEPRESSION (°F)								TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11
70/ 69										1	1	
68/ 67										1	1	
66/ 65				.1	.1	.1	.1			7	7	
64/ 63		.1	.2	.2	.2	.1	.1			13	13	
62/ 61		.4	.3	.7	.2	.1				27	27	5
60/ 59	.1	1.2	1.1	.6	.2	.1				53	53	22
58/ 57	.4	1.4	1.5	.8	.4					74	74	42
56/ 55	.2	3.2	2.6	1.4	.6		.1			131	134	66
54/ 53	.9	4.3	2.4	1.1	.1	.1	.1			146	149	136
52/ 51	.6	5.2	3.7	1.5	.2	.1				183	186	137
50/ 49	1.2	6.9	4.5	.9		.1				220	220	182
48/ 47	.4	5.9	3.2	.4						161	162	215
46/ 45	.8	6.7	1.7	.6						159	159	203
44/ 43	.6	5.4	1.9	.1						129	130	183
42/ 41	1.6	5.4	1.9							144	144	149
40/ 39	.9	2.6	.6							65	66	122
38/ 37	.6	1.9	.2							44	44	78
36/ 35	.4	1.3								28	28	42
34/ 33	.3	.4								15	15	24
32/ 31	.2	.3								8	8	10
30/ 29	.1	.3								6	6	6
28/ 27												3
26/ 25												3
24/ 23												1
TOTAL	9.453	125.9	8.7	2.2	.5	.2				1615	1627	1615

Element	X <sub>1</sub>	Z <sub>x</sub>	I	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	11702184	126490	86.5	10.167	1615							93
Dry Bulb	3919827	79168	48.6	6.844	1627			.8	.1			93
Wet Bulb	3513288	74701	46.2	5.994	1615		1.1					93
Dew Point	3191121	71027	44.0	6.224	1615		3.3					93

USAFETAC FORM 0 26 5 (REV. 4-54)

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PSYCHROMETRIC SUMMARY

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WET BULB TEMPERATURE DEPRESSION														
	1	2	3	4	5	6	7	8	9	10				
78/ 77							.1			.1	3	3		
76/ 75						.1	.1				4	4		
74/ 73					.1	.4	.3			.1	15	15		
72/ 71				.1	.4	.6	.4			.1	25	25		
70/ 69			.2	.7	.9	.3	.2			.1	38	36		
68/ 67		.1	.4	1.0	.9	.6	.2				54	54		
66/ 65		.3	.7	.9	1.0	.8	.4			.1	69	69		
64/ 63	.1	1.0	.7	1.2	1.7	.6	.3				96	96		
62/ 61	.6	.9	1.5	1.6	1.9	.7	.1				109	109		
60/ 59	.2	.9	1.1	1.5	1.8	1.6	.3			.1	122	122		
58/ 57	.1	1.2	1.8	2.3	3.1	.9	.1				152	153		
56/ 55	.2	2.2	3.3	3.0	1.9	.9	.1				189	189		
54/ 53	.1	1.7	3.0	2.3	1.9	.6	.1				158	158		
52/ 51	.1	2.1	3.2	2.7	.9	.4	.1				155	155		
50/ 49	.1	2.4	4.6	2.6	1.0	.3					184	184		
48/ 47		2.0	2.3	1.8	.3						103	103		
46/ 45	.1	1.5	1.6	.9	.2						69	69		
44/ 43		1.4	1.0	.7	.1						53	53		
42/ 41		.6	.6	.3							24	24		
40/ 39		.1	.4								8	8		
38/ 37		.1	.1								3	3		
36/ 35			.1								1	1		
34/ 33												2		
32/ 31												26		
30/ 29												23		
28/ 27												12		
26/ 25												1		
24/ 23												2		
TOTAL	.916	.625	.421	.416	.811	.2	4.6	2.4	.4	.1	1636	1637	1636	1636

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	Z <sub>xy</sub>	Z <sub>xx</sub>	Z <sub>yy</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	8176611	113287	69.214	337		1636							
Dry Bulb	5146892	91002	55.8	7.331		1637			7.9	1.2			93
Wet Bulb	4150870	81838	50.0	5.892		1636							93
Dew Point	3601795	73761	45.1	6.827		1636			3.6				93

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DATA PROCESSING BRANCH  
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Element (X)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL						
	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL		
86/ 85										.1	.1	.1	2	2					
82/ 81							.1	.1	.1	.1	.1	.1	7	7					
80/ 79									.1	.1	.1	.1	5	5					
78/ 77							.1	.1	.4	.4	.4	.4	16	16					
76/ 75			.1	.1	.1	.5	.7	1.1	.5	.5	.5	.5	49	49					
74/ 73				.1	.2	.9	.9	.7	.1	.1	.1	.1	48	48					
72/ 71				.5	.6	1.1	.7	.4	.1	.1	.1	.1	57	57					
70/ 69			.4	.7	1.0	1.7	.9	.7	.2	.2	.2	.2	91	91	2				
68/ 67	.1	.1	.4	.7	1.2	1.6	.7	.7	.7	.7	.7	.7	87	87	5	1			
66/ 65		.1	.4	.8	1.2	1.8	1.2	1.2	.7	.7	.7	.7	106	106	13				
64/ 63	.1	.4	1.2	1.2	1.6	1.8	.8	.4	.4	.4	.4	.4	105	105	39	3			
62/ 61	.2	.6	1.0	1.0	1.7	1.7	.1	.1	.1	.1	.1	.1	104	104	75	13			
60/ 59	.5	.9	1.6	2.6	2.0	1.8	.1	.1	.1	.1	.1	.1	148	148	110	15			
58/ 57	.1	.7	1.4	2.0	2.4	1.7	1.0	.1	.1	.1	.1	.1	155	155	141	43			
56/ 55	1.0	1.8	2.5	2.0	1.8	.2	.1	.1	.1	.1	.1	.1	154	154	138	81			
54/ 53	.2	.4	1.3	2.6	2.2	1.2	.2	.2	.2	.2	.2	.2	137	137	162	77			
52/ 51	.2	1.3	1.9	2.8	1.7	.9	.1	.1	.1	.1	.1	.1	145	145	218	146			
50/ 49	.1	1.4	2.4	2.1	.9	.1	.1	.1	.1	.1	.1	.1	115	115	202	134			
48/ 47	.4	.7	1.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	43	43	191	175			
46/ 45	.5	.8	.8	.4	.1	.1	.1	.1	.1	.1	.1	.1	26	26	156	167			
44/ 43	.1	.7	.8	.2	.2	.2	.2	.2	.2	.2	.2	.2	24	24	96	150			
42/ 41	.2	.1	.1										7	7	50	169			
40/ 39	.1												2	2	21	140			
38/ 37	.1												1	1	13	117			
36/ 35	.1														2	78			
34/ 33															1	50			
32/ 31																36			
30/ 29																19			
28/ 27																11			
26/ 25																5			
24/ 23																3			
22/ 21																1			
20/ 19																1			
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>	Z <sub>6</sub>	Z <sub>7</sub>	Z <sub>8</sub>	Z <sub>9</sub>	Z <sub>10</sub>	Z <sub>11</sub>	Z <sub>12</sub>	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 (7-57) (6-63) (10-63) (10-63)

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Element (X)	Σ X'	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F		+ 93 F
Rel. Hum.	6215570	92272	60.115	8.19	1635							
Dir. Bulb	5912884	97386	59.6	8.292	1635			20.6	7.2	.5		92
Wet Bulb	4425879	84487	51.7	6.049	1635			.4				92
Dew Point	3363979	73219	44.8	7.215	1635		6.2	.1				92

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Time	WET BULB TEMPERATURE DEPRESSION F																															TOTAL			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB-WB D.	Wet Bulb D.		
86/ 85																	.1																2	2	
84/ 83																		.1															6	6	
82/ 81																																	2	2	
80/ 79																		.1															17	17	
78/ 77																		.1															35	35	
76/ 75																		.1															55	55	
74/ 73																		.1															62	62	
72/ 71																		.1															76	76	
70/ 69																		.1															98	98	
68/ 67																		.1															97	97	
66/ 65																		.1															103	103	
64/ 63																		.1															99	99	
62/ 61																		.1															117	117	
60/ 59																		.1															147	147	
58/ 57																		.1															133	133	
56/ 55																		.1															166	166	
54/ 53																		.1															141	141	
52/ 51																		.1															98	98	
50/ 49																		.1															79	79	
48/ 47																		.1															58	58	
46/ 45																		.1															19	19	
44/ 43																		.1															9	9	
42/ 41																		.1															5	5	
40/ 39																		.1															4	4	
38/ 37																		.1															1	1	
36/ 35																		.1															1	1	
34/ 33																		.1																	
32/ 31																		.1																	
30/ 29																		.1																	
28/ 27																		.1																	
26/ 25																		.1																	
24/ 23																		.1																	
22/ 21																		.1																	

Element (X)	Zx'	Zx	X	σx	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (REV. 4-1) (REPLACES FORMS 0-26-5 AND 0-26-5A)

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Element (X)	Σx	Σx²	x̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	- 32 F	≥ 67 F	≥ 73 F	≥ 80 F		≥ 93 F
Rel. Hum.	5747983	92981	37.1	16.342	1627							
Dry Bulb	6158209	99208	60.9	8.597	1630			25.7	10.2	.7		93
Wet Bulb	4470686	84748	52.1	5.884	1627			.2				93
Dew Point	3303249	72628	44.8	6.967	1627		4.1					93

USAFETAC FORM 0-70 5-61 A









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		WET BULB TEMPERATURE DEPRESSION																				TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	WET BULB	WET BULB	WET BULB	WET BULB		
68/67						.1	.1	.1														3	3				
66/65		.1	.2			.1	.4	.1														12	12				
64/63		.6	.5	.4		.4	.1		.1													22	22	1			
62/61	.4	2.4	1.0	.5	.2																	64	64	30	16		
60/59	.4	4.0	2.2	.8	.4	.1																111	111	54	30		
58/57	1.8	5.7	2.0	1.1	.5																	157	157	117	85		
56/55	1.6	7.1	3.1	.8	.1																	182	183	150	116		
54/53	1.3	7.6	2.6	.9	.4																	176	178	183	142		
52/51	1.3	7.9	2.1	.2	.1																	164	165	192	194		
50/49	1.6	8.5	2.3	.6																		185	186	191	185		
48/47	1.9	5.5	1.8	.1																		133	134	178	181		
46/45	1.1	5.0	1.3	.2																		108	109	135	165		
44/43	.6	2.5	.6																			51	51	91	108		
42/41	.3	1.3	.2																			26	26	52	65		
40/39		.2	.1																			5	5	20	69		
38/37	.3	.3	.1																			10	10	8	32		
36/35	.1	.2																				4	4	7	13		
34/33																									4		
32/31																										5	
30/29																										3	
<b>TOTAL</b>	<b>12.859</b>	<b>0.020</b>	<b>.2</b>	<b>5.5</b>	<b>2.1</b>	<b>.4</b>	<b>.1</b>															<b>1413</b>	<b>1420</b>	<b>1413</b>	<b>1413</b>		

Element	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	10989302	129918	87.7	9.291	1413							
Dry Bulb	3971145	74682	52.8	5.524	1420			.2				90
Wet Bulb	3655958	71486	50.6	5.280	1413							90
Dew Point	3426356	69110	48.9	5.719	1413			.5				90

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		WET BULB TEMPERATURE DEPRESSION											TOTAL		TOTAL		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
86/85															1	1	
84/83															1	1	
82/81															4	4	
80/79															6	6	
78/77															10	10	
76/75															34	35	
74/73															44	44	
72/71															75	75	
70/69															112	112	
68/67															116	116	
66/65															151	151	
64/63															152	152	
62/61															143	143	
60/59															169	169	
58/57															145	145	
56/55															153	153	
54/53															103	103	
52/51															74	74	
50/49															42	42	
48/47															26	26	
46/45															3	3	
44/43															5	5	
42/41															7	7	
40/39															3	3	
38/37															2	2	
36/35																	
34/33																	
32/31																	
30/29																	
28/27																	
TOTAL		.714	.019	.020	.919	.913	.4	7.8	2.8	1.3	.2	.1			1577	1578	1577

Element	X	Σ X	Σ X <sup>2</sup>	Σ X <sup>3</sup>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 57 F	≤ 73 F	≤ 80 F	≤ 95 F	
Rel Hum	7719113	108088	68.013.955		1576							
Dry Bulb	6097082	97446	61.8	7.101	1578			22.5	6.2	.5		90
Wet Bulb	4893476	67428	52.4	5.423	1577			1.1				90
Dew Point	4119268	79994	50.7	6.249	1577			.9				90

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		WET BULB TEMPERATURE DEPRESSION, F																									TOTAL		TOTAL	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	HR.	WB.	HR.	WB.
90/89																														
88/87																						.1						1	1	
86/85																						.1	.1					3	3	
84/83																						.1	.1					7	7	
82/81															.1	.1						.4	.1	.1				11	11	
80/79										.2	.4	.5	.8	.8	.4	.4						.6	.3					23	23	
78/77								.4	1.0	1.0	.8	.8	.6									.8	.6	.2				43	42	
76/75						.1	.8	1.6	2.0	1.0	.2											1.2	.6					60	60	
74/73				.2	.8	.9	1.2	1.3	.9	.1												.2	.1					88	88	
72/71			.3	.9	1.2	1.3	1.3	1.4	.4													.9	.1					102	102	
70/69		.1	1.1	1.6	2.7	2.2	1.0	.3														.3						141	141	
68/67	.1	.6	.8	2.3	2.2	1.1	.7	.4														.4						125	125	
66/65	.1	.6	.8	2.6	2.5	1.9	.8	.1	.1													.1						146	146	
64/63	.1	.1	.9	1.7	2.1	2.2	1.4	.4	.1													.1						146	146	
62/61	.1	.6	1.6	2.0	2.3	1.4	.7	.3														.3						140	140	
60/59	.8	1.1	2.2	1.2	1.0	.4	.9															.9						138	138	
58/57	.1	1.3	1.7	2.7	1.5	1.0	.2	.1														.1						109	109	
56/55	.1	1.7	1.3	1.1	.8	.2	.1															.1						134	134	
54/53	.1	1.2	.8	1.0	.4	.2	.1																					83	83	
52/51	.1	1.0	.8	.4	.1																							59	59	
50/49	.1	1.1	.1	.2																								35	35	
48/47		.3	.2	.1																								22	22	
46/45		.1		.1																								10	10	
44/43			.1																									4	4	
42/41																													18	192
40/39																												11	75	
38/37																												3	72	
36/35																												2	42	
34/33																													25	16
32/31																													7	7
30/29																													5	5
28/27																													8	8
TOTAL	.3	8.4	9.7	14.4	16.8	17.5	14.2	10.0	5.3	2.6	.7	.3	.1	.1														1567	1567	1567

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$S^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 6 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	4094197	94687	40.515	234	1567							
Dry Bulb	4810401	102339	65.4	8.015	1567	39.9	18.8	3.6				90
Wet Bulb	5102269	89008	58.8	2.668	1567	2.8						90
Dew Point	4061289	79148	50.5	6.296	1567	.9	.1					90

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		NET BULB TEMPERATURE DEPRESSION															
		1	2	3	4	5	6	7	8	9	10	11	12				
90/ 89												3	3				
88/ 87												7	7				
86/ 85												10	10				
84/ 83												17	17				
82/ 81												38	38				
80/ 79												43	43				
78/ 77												74	74				
76/ 75												90	90				
74/ 73												108	108				
72/ 71												112	112				
70/ 69												129	129				
68/ 67												141	141				
66/ 65												125	125				
64/ 63												131	131				
62/ 61												124	124				
60/ 59												120	120				
58/ 57												92	92				
56/ 55												83	83				
54/ 53												40	40				
52/ 51												32	32				
50/ 49												19	19				
48/ 47												7	7				
46/ 45												2	2				
44/ 43												1	1				
42/ 41																	
40/ 39																	
38/ 37																	
36/ 35																	
34/ 33																	
32/ 31																	
30/ 29																	
28/ 27																	
TOTAL		.4	7.3	9.2	12.1	14.1	16.9	14.3	11.7	6.6	4.0	2.3	.8	.2	1568	1568	1568
Element X	Z <sub>x</sub>	Z <sub>y</sub>	Z <sub>xy</sub>	Z <sub>z</sub>	Z <sub>yz</sub>	Z <sub>xyz</sub>	No. Obs			Mean No. of Hours with Temperature							
Rel. Hum	5725162	91134	58,216	352			1568	0 F	32 F	67 F	73 F	80 F	93 F				
Dry Bulb	7040248	104276	66.3	6,210			1568			64.3	22.6	5.7		90			
Wet Bulb	5159990	89562	57.1	5,319			1568			2.5				90			
Dew Point	4026257	78821	50.3	6,392			1568			.7				90			

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		WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
88/ 87																2	2		
86/ 85																5	5		
84/ 83																7	7		
82/ 81																13	13		
80/ 79																29	29		
78/ 77																33	33		
76/ 75																54	54		
74/ 73																73	73		
72/ 71																83	83		
70/ 69																107	107		1
68/ 67	.1															118	118	23	
66/ 65	.1	.2														111	111	53	4
64/ 63	.1	1.0														144	144	97	15
62/ 61	.1	1.4	1.0													135	135	113	36
60/ 59	.1	1.9	1.0	2.0												124	124	205	74
58/ 57	.1	1.3	1.0	2.5	1.0											99	99	183	101
56/ 55	.3	1.5	1.0	1.0	1.0											93	93	207	138
54/ 53	.1	1.2	1.2	1.7	1.0											52	52	162	180
52/ 51		1.7	.5	.5	.2											42	42	125	169
50/ 49	.1	1.7	.1													25	25	97	177
48/ 47		.5														10	10	58	153
46/ 45				.2														24	113
44/ 43																		4	65
42/ 41																		4	43
40/ 39																		1	46
38/ 37																			19
36/ 35																			7
34/ 33																			9
32/ 31																			8
30/ 29																			1
28/ 27																			1
TOTAL		.911	.710	.410	.917	.414	.212	.1	8.0	4.0	2.9	1.1	.2			1359	1359	1359	1359

Element	X	Zx	X	X <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature					Total	
						10 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	5783484	85774	62.216	419	1359							
Dry Bulb	5711850	87484	64.4	7.684	1359			24.7	14.3	2.8		90
Wet Bulb	4262009	76677	56.4	3.132	1359			1.6				90
Dew Point	5533507	68787	50.6	6.176	1359			.7				90

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PSYCHROMETRIC SUMMARY

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* WET BULB TEMPERATURE DEPRESSION (%)										TOTAL		TOTAL																	
80/79	78/77	76/75	74/73	72/71	70/69	68/67	66/65	64/63	62/61	60/59	58/57	56/55	54/53	52/51	50/49	48/47	46/45	44/43	42/41	40/39	38/37	36/35	34/33	32/31	TOTAL	TOTAL	TOTAL	TOTAL	
																									1	1			
					.1																				2	2			
					.1	.1																			5	5			
					.1	.2	.3																		9	9			
				.1	.3	.4	.1																		33	33			
				.1	.2	.3	.1																		33	33			
				.1	.2	.3	.1																		71	71	2		
				.1	.2	.3	.1																		94	94	19	2	
	.4	.5	1.7	2.8	1.6	1.0	.1	.1																	112	112	54	13	
	.4	1.4	2.3	3.7	1.2	.8	.2																		135	135	80	44	
	.2	3.9	4.4	3.2	1.6	.6	.1																		188	188	116	58	
	.4	3.8	3.4	2.8	1.3	.4	.1																		165	165	207	99	
	.4	3.0	4.1	1.6	1.2	.2																			143	143	191	159	
	.4	3.9	3.3	1.2	.4	.1																			125	125	163	181	
	.3	4.1	2.4	1.1	.4																				113	113	179	166	
	.4	2.8	1.2	.7	.1																				70	70	152	161	
	.3	1.6	.5	.1																					35	35	101	182	
	.2	.3	.1	.4																					14	14	58	105	
			.1																						2	2	18	73	
																												4	43
																												6	31
																													12
																													8
																													10
																													3
TOTAL	3.325	9.26	32.18	12.3	7.5	2.2	.4	.2																	1350	1350	1350	1350	

USAFETAC FORM 0-26-5 (G, A) JUL 64

STATION: FALLESSEI  
 YEAR: 1974  
 UNIT: WEAHER SERVICE/AC

PSYCHROMETRIC SUMMARY

24056 SEIBACH AB GERMANY

03-09,71

PAGE 1 0000-0200

		PSYCHROMETRIC DATA								HOURS				
		W	W	W	W	W	W	W	W	W	W	W	W	W
78/77						.1		.1	.1			4	4	
76/75						.1		.1	.1			5	5	
74/73			.1		.1	.2		.1	.2			6	9	
72/71					.1	.7		.3	.1	.1		19	16	
70/69				.9	.7	.7		.1	.1	.1		37	30	2
68/67	.1	.3	1.5	1.1	1.0	.1	.3					68	68	9
66/65	.1	.3	1.4	1.2	.5	.5						62	62	24
64/63	.5	2.0	2.4	1.4	.8	.4	.1					115	115	62
62/61	.7	3.6	2.6	2.2	.7	.3						153	153	119
60/59	.5	5.2	3.5	1.7	.7							177	177	140
58/57	1.7	6.4	3.3	1.7	.7							217	210	199
56/55	2.2	8.3	4.1	.9	.5							244	244	246
54/53	1.9	4.5	2.9	.7	.1							155	155	250
52/51	1.4	4.2	2.7	.8	.1							140	140	160
50/49	.4	2.4	2.0	.3								77	77	140
48/47	.1	1.7	.9									41	41	84
46/45	.2	.6		.1								14	14	62
44/43		.5										7	7	20
42/41														4
40/39														2
38/37														12
36/35														3
TOTAL	9.64	0.027	8.13	6.7	1.8	.8	.3	.1				1529	1529	1529

Temp	Σx	Σx <sup>2</sup>	Σ	Σ <sup>2</sup>	No. Obs	Mean No. of Hours with Temperature		
50-78	10846803	127585	51.411	4.660	1529			
36-78	5166413	88431	57.8	5.820	1529	8.2	1.1	93
36-70	4628951	83777	54.8	5.029	1529	.7		93
36-60	4271777	80387	52.6	5.453	1529	.2		93

QUALITY CONTROL



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR EATER SERVICE/AC

PSYCHROMETRIC SUMMARY

34056 SEIBACH AB GERMANY

33-72

PAGE 1 0600-0800

		WET BULB TEMPERATURE DEPRESSION							TOTAL DATA				
		0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
78/ 77			.1									1	1
76/ 75			.1									4	4
74/ 73			.1	.1								6	6
72/ 71			.1	.1	.1							27	27
70/ 69		.2	.5	.5	.4	.4	.1					30	30
68/ 67		.1	1.0	.6	.8	.4						61	61
66/ 65		1.1	1.7	1.2	.6							79	79
64/ 63		.2	2.1	3.1	1.5	.7	.2					130	131
62/ 61		.8	3.8	2.7	1.7	.7	.1					167	167
60/ 59		1.1	4.2	3.5	1.8	.5						189	189
58/ 57		1.4	6.3	3.8	1.9	.2	.1					232	235
56/ 55		2.6	8.4	3.1	1.2	.1	.1					261	261
54/ 53		1.6	5.5	2.9	.9							187	187
52/ 51		1.1	5.0	1.9	.8							150	150
50/ 49		.6	3.2	1.4	.2							93	93
48/ 47		.4	1.8	.6	.1							49	50
46/ 45		.4	.9	.2								26	29
44/ 43		.1	.3	.1								8	8
42/ 41			.2									3	3
40/ 39													
38/ 37												1	1
36/ 35													
TOTAL		10.143	127.412	9	4.9	1.5	.2	.1				1703	1703

Element	Σ x <sup>2</sup>	Σ x	x̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 10 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F		+ 93 F
Rel. Hum.	12346224	143884	84.510	5.547	1703							
Dry Bulb	5728902	98226	57.6	3.858	1712			7.0	.6			93
Wet Bulb	5159625	93277	54.8	3.122	1703			.7				93
Dew Point	4785217	89799	52.7	3.427	1703			.3				93

USAFETAC FORM 0 26 5 (CL.A) JUL 64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

34056 SEIBACH AB GERMANY

53-72

JUL

PAGE 1 0900-1100

NET BULB TEMPERATURE DEPRESSION													TOTAL																
Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Total				
9C/ 89																									1	1			
88/ 87						.1																			3	3			
86/ 85						.1	.1																		4	6			
84/ 83						.1	.3	.1	.1																10	10			
82/ 81						.2	.2	.1	.1	.5	.1														21	21			
80/ 79						.1	.4	.5	.2	.5	.1														32	32			
78/ 77					.1	.3	.7	.3	.8	.5															44	44			
76/ 75					.1	.6	1.3	1.0	.6	.2	.1														67	67	1		
74/ 73					.1	.5	1.0	1.3	1.3	.5															81	92			
72/ 71					.2	.8	1.3	1.5	.8	.3															84	84	11	1	
70/ 69					.1	.6	1.7	1.7	2.1	.9	.2														125	125	32	1	
68/ 67					.1	.8	1.6	2.3	1.7	1.0	.2														141	141	63	11	
66/ 65		.1	.8	1.6	2.0	2.4	1.5	.5	.2	.1															153	153	88	29	
64/ 63		.1	1.3	2.3	2.9	1.9	1.5	.2	.2																176	176	177	64	
62/ 61		.2	1.6	2.4	3.0	2.2	.8	.2																	180	180	191	112	
60/ 59		.4	2.3	3.7	3.3	2.0	.7	.3																	218	218	209	141	
58/ 57		.5	1.7	3.0	2.3	.9	.2																		150	150	229	165	
56/ 55		.5	1.7	1.9	1.8	.5	.1																		111	111	248	247	
54/ 53		.3	1.0	1.5	.8	.6																			72	72	196	218	
52/ 51		.1	.5	1.0	.3																				32	32	131	209	
50/ 49		.2	.4	.1																					11	11	86	163	
48/ 47																												40	138
46/ 45																												18	103
44/ 43																													55
42/ 41																													29
40/ 39																													18
38/ 37																													13
36/ 35																													1
TOTAL	2.3	11.2	19.8	21.1	17.9	14.0	7.3	3.3	1.8	.8	.2	.2													1718	1719	1718	1718	

USAFETAC FORM 0265 (0-7) 10-64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR FEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY

53-72

000

PAGE 1 1200-1400

		WET BULB TEMPERATURE DEPRESSION (F)										TOTAL		TOTAL		
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	
96/95													.1	1	1	
94/93													.2	.1	4	
92/91													.1	.1	8	
90/89													.1	.1	13	
88/87													.1	.1	13	
86/85													.1	.1	16	
84/83													.1	.1	26	
82/81													.1	.1	26	
80/79													.1	.1	43	
78/77													.1	.1	43	
76/75													.1	.1	65	
74/73													.1	.1	65	
72/71	.1	.1	.2	1.1	1.5	1.8	1.1	1.6					.1	.1	56	
70/69	.4	.4	1.3	1.8	1.5	1.1	1.6						.1	.1	77	
68/67	.4	.9	1.9	1.9	1.7	2.2	.6						.1	.1	77	
66/65	.4	1.5	1.8	2.0	2.5	1.6	.2						.1	.1	113	
64/63	.1	.8	1.9	2.0	2.0	1.1	.4						.1	.1	113	
62/61	1.1	1.3	2.1	2.5	1.1	.4	.1						.1	.1	105	
60/59	.2	.8	1.9	2.2	2.0	.6	.3						.1	.1	102	
58/57	.2	1.3	1.1	1.0	.9	.5	.1						.1	.1	102	
56/55	.2	.9	.3	.7	.8	.2							.1	.1	134	
54/53	.5	.5	.4	.2									.1	.1	134	
52/51	.1	.4	.1										.1	.1	164	
50/49													.1	.1	164	
48/47													.1	.1	171	
46/45													.1	.1	171	
44/43													.1	.1	155	
42/41													.1	.1	155	
40/39													.1	.1	147	
38/37													.1	.1	147	
36/35													.1	.1	138	
TOTAL	.8	6.2	9.2	14.0	16.5	16.0	13.7	10.7	5.2	3.4	1.9	1.0	1.0	.3	.1	1713
																1713

Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature				
						< 67 F	< 73 F	< 80 F	< 93 F	Total
Rel. Hum.	6567776	102492	59.8	15.949	1713					
Dry Bulb	8157564	117398	68.5	9.375	1713	30.2	28.6	10.7	.3	93
Wet Bulb	6061260	101468	59.2	5.452	1713	9.4	.4			93
Dew Point	4873872	90719	53.0	6.370	1713	1.0				93

USAFETAC FORM 0-26.5 (Rev. 4-64)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

JUL

PAGE 1 1500-1700

		WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	30	31		
98/	97																																1	1	
96/	95																																6	6	
94/	93																																6	6	
92/	91																																5	5	
90/	89																																17	17	
88/	87																																14	14	
86/	85																																42	42	
84/	83																																62	62	
82/	81																																67	67	
80/	79																																63	63	
78/	77																																100	100	
76/	75																																121	121	
74/	73																																119	119	
72/	71																																106	106	
70/	69																																159	158	
68/	67																																167	167	
66/	65																																136	136	
64/	63																																152	152	
62/	61																																117	117	
60/	59																																117	117	
58/	57																																77	77	
56/	55																																36	36	
54/	53																																19	19	
52/	51																																11	11	
50/	49																																1	1	
48/	47																																		
46/	45																																		
44/	43																																		
42/	41																																		
40/	39																																		
38/	37																																		
36/	35																																		
34/	33																																		
Element Xi	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs	Mean No. of Hours with Temperature					Total																								
Rel Hum.						≤ 0 F	+ 32 F	+ 47 F	+ 73 F	+ 80 F	+ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0 26 5 (CL A) 1-1-64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

JUL

PAGE 2 1500-1700

TOTAL	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	1700	1700		
TOTAL	.5	6.2	9.2	9.3	14.0	16.9	14.5	11.5	6.8	4.6	3.0	2.0	.7	.6	.2																			1708	1708

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	6121339	98288	57.316	6.690	1708							
Dry Bulb	8437805	119151	69.8	8.384	1708			37.1	33.6	13.9	.7	93
Wet Bulb	6125086	101952	59.7	5.384	1708			10.6	.9			93
Dew Point	4850912	90354	52.9	6.456	1708			1.5				93

USAFETAC FORM 0-265 (CL-A) 8-10-64 PREVIOUS EDITIONS ARE OBSOLETE



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR EATER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34036 SEIBACH AB GERMANY

53-69

JUL

PAGE 1 1800-2000

		NET BULB TEMPERATURE DEPRESSION											TOTAL							
		1	2	3	4	5	6	7	8	9	10	11	12	1	2					
96/ 95														1	1					
94/ 93														3	3					
92/ 91														2	2					
90/ 89														8	8					
88/ 87														4	6					
86/ 85														19	19					
84/ 83														27	27					
82/ 81														32	32					
80/ 79														61	61					
78/ 77														59	59					
76/ 75	.1	.1	.2	.6	1.1	1.1	1.0	1.0	1.0	.3	.1			87	87					
74/ 73														91	91					
72/ 71	.1	.3	.4	1.2	1.8	1.0	1.0	.3	.1					93	93					
70/ 69		.1	.3	1.4	2.0	1.2	.7	.1						108	108					
68/ 67		.3	.8	1.4	1.9	2.4	1.7	.7	.1	.1				145	145					
66/ 65		.4	2.1	2.0	2.2	1.6	.8	.3	.1					143	143					
64/ 63		1.3	1.3	2.3	1.6	2.0	.7	.1						147	147					
62/ 61	.1	2.0	2.0	2.3	1.6	1.1	.3	.1						146	146					
60/ 59	.3	2.2	2.0	2.0	1.4	.6	.2							132	132					
58/ 57	.1	2.0	2.2	1.2	1.4	.4								112	112					
56/ 55	.4	1.6	.7	1.1	.3	.2								66	66					
54/ 53	.1	.7	.5	.3	.1									23	23					
52/ 51		.6	.3	.2										16	16					
50/ 49	.1	.1	.1											4	4					
48/ 47																				
46/ 45																				
44/ 43																				
42/ 41																				
40/ 39																				
38/ 37																				
36/ 35																				
34/ 33																				
TOTAL		1.211	.415	.214	.615	.115	.310	.9	7.3	4.6	3.1	1.7	1.0	.4	.1	.1	1533	1533	1533	1533

Element	X <sub>1</sub>	Z <sub>1</sub>	X <sub>2</sub>	Z <sub>2</sub>	X <sub>3</sub>	Z <sub>3</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
								+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum.	6710019		97945		62.9	17.181	1533							
Dry Bulb	7010823		102917		67.1	6.142	1533			42.0	24.0	7.8	.2	93
Wet Bulb	5367611		90347		58.9	3.300	1533			8.3	.3			93
Dew Point	4433019		61867		53.4	6.313	1533			1.6	.1			93

USAFETAC FORM 0-26.5 (C-4) JUL 64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-69

JUL

PAGE 1 2100-2300

		WET BULB TEMPERATURE DEPRESSION															TOTAL		TOTAL		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
86/ 85																		1	1		
84/ 83																		1	1		
82/ 81								.1	.2									5	5		
80/ 79								.1	.1									2	2		
78/ 77				.1				.1	.2	.1								11	11		
76/ 75			.1	.5				.7	.5	.3	.3							33	33		
74/ 73			.1	.3	.7			.5	.5	.3	.1							36	36		
72/ 71	.1		.1	.7	1.3			.7	.6	.3								59	59	4	1
70/ 69		.3	.6	1.4	1.4			.8	.6	.2								82	82	11	2
68/ 67	.1	.1	.5	1.6	1.4			.9	.3	.1								77	77	25	6
66/ 65	.3	.6	1.7	2.1	2.1	1.0		.5										127	127	57	21
64/ 63	.3	2.2	2.3	2.4	1.2	.7		.3										143	143	94	34
62/ 61	.6	2.3	3.5	2.8	1.7	.3	.1											173	173	150	92
60/ 59	.6	4.9	2.9	3.2	1.3	.5	.1											206	206	190	125
58/ 57	1.5	4.3	4.5	2.1	1.0	.1												206	206	227	183
56/ 55	.6	4.5	2.7	2.2	.4	.1												161	161	226	187
54/ 53	.3	3.4	2.7	1.2	.1	.1												123	123	225	209
52/ 51	.3	1.5	.7	.9	.1													52	52	144	187
50/ 49		1.0	.5	.1														24	24	101	169
48/ 47	.2	.4	.1															10	10	23	126
46/ 45		.1																1	1	24	92
44/ 43																				1	50
42/ 41																				1	35
40/ 39																					8
38/ 37																					4
36/ 35																					2
TOTAL		4.825	5.23	0.21	0.13	.2	6.6	3.7	1.4	.7		.1						1533	1533	1533	1533

Element	X	Σ X	Σ X <sup>2</sup>	S	S <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature					Total	
							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	9294232	117139	78.4	16.003	1533								
Dry Bulb	5812597	98861	61.2	6.429	1533			18.8	2.4	.3			93
Wet Bulb	4944470	86722	56.6	3.019	1533			2.4					93
Dew Point	4399392	81666	53.3	5.660	1533			.3					93

USAFETAC FORM 0-265 (01-4) JUL 54



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

AUG

PAGE 1 0300-0900

		WET BULB TEMPERATURE DEPRESSION (F)								TOTAL				
		0	1	2	3	4	5	6	7	8	9	10	11	12
72/	71												1	1
70/	69												2	2
68/	67			.1	.1	.2	.2		.1	.1			2	2
66/	65	.1	.4	.9	.4								11	11
64/	63	.3	2.0	1.4	.7	.1	.1						28	28
62/	61	.4	3.7	2.6	1.0	.3							73	73
60/	59	1.3	7.0	3.0	.8	.2							130	130
58/	57	2.0	7.7	2.5	.6	.2							201	201
56/	55	1.7	7.8	1.8	.6	.2							213	213
54/	53	2.5	7.9	1.7	.2								197	197
52/	51	3.1	8.4	2.8	.2								199	199
50/	49	2.6	8.2	1.2	.1								237	237
48/	47	1.4	4.7	.2	.1								132	132
46/	45	.9	2.2	.1									109	109
44/	43	.7	1.2	.1									52	54
42/	41	.7	.2										31	31
40/	39	.1	.1										14	14
38/	37												3	3
TOTAL		17.657	518.4	5.1	1.2	.1	.1	.1					1629	1631
													1629	1629

USAFETAC FORM 026-5 (O-LA) JUL 64 REVISION 10-64 (SEE INSTRUCTIONS)

Element (X)	Σ x	Σ x²	x̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	13182933	145899	89.6	8.430	1629							
Dry Bulb	4952405	89451	54.8	5.343	1631							93
Wet Bulb	4624771	86423	53.1	4.944	1629							93
Dew Point	4401449	84265	51.7	5.114	1629							93

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR HEATER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

59-72

AUG

PAGE 1 0600-0800

		WET BULB TEMPERATURE RANGE						TOTAL			
		60-65		65-70		70-75		TOTAL		TOTAL	
76/75	72/71										
	.1	.1	.1	.1	.1	.1		1	1		
70/69		.2	.2	.1	.1	.1		8	8	1	1
68/67		.3	.6	.5	.3			29	29	2	2
66/65		.5	1.5	.7	.4			54	54	16	7
64/63	.2	2.6	1.6	.7	.2			93	93	34	16
62/61	.8	3.4	2.6	1.3	.4			153	154	105	66
60/59	.6	7.1	3.4	1.1	.1			214	214	155	102
58/57	1.7	8.0	2.7	.8	.3			236	236	231	185
56/55	1.7	8.8	2.4	.4	.1			235	235	273	229
54/53	1.8	8.2	2.3	.5				224	224	241	267
52/51	2.0	7.7	2.4	.2				217	218	243	245
50/49	1.7	4.8	1.1	.1				137	137	202	225
48/47	1.0	2.4	.2					63	64	125	188
46/45	1.2	1.8						53	53	77	111
44/43	.2	.4						11	12	29	65
42/41	.5	.2						13	13	14	30
40/39	.2	.1						5	5	7	15
38/37	.1							1	1	2	5
<b>TOTAL</b>		<b>13.756</b>	<b>221.2</b>	<b>6.4</b>	<b>2.0</b>	<b>.1</b>	<b>.2</b>	<b>1758</b>	<b>1762</b>	<b>1758</b>	<b>1758</b>

Element	X <sub>1</sub>	Z <sub>X</sub>	R	S <sub>2</sub>	No. Obs	Mean No. of Hours with Temperature					Total	
						< 57 F	< 59 F	< 61 F	< 63 F	< 65 F		
Rel Hum	13881394	155284	88.2	8.778	1758							
Dry Bulb	5548638	98296	55.8	5.521	1762			2.6	.1			93
Wet Bulb	5134335	94603	52.8	4.974	1758			.2				93
Dew Point	4858048	91980	52.2	5.093	1758			.1				93

USAFETAC FORM 0265 (01-64) JUL 64



DATA PROCESSING BRANCH  
USAF ETAC  
AIR EATER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34056 SENBACH AB GERMANY

53-72

ALL

PAGE 1 1200-1400

90/ 89																				.2		4	4
88/ 87									.1	.1	.2	.1	.1									9	9
86/ 85									.2	.1	.1	.3	.1	.1								19	19
84/ 83								.1	.1	.1	.2	.5	.6	.2	.1	.1						36	36
82/ 81								.1	.1	.1	.5	.9	.5	.3	.3							46	48
80/ 79									.1	.4	.6	1.0	.5	.3	.1							51	51
78/ 77									.1	.7	.9	1.0	.6	.1	.1							59	59
76/ 75									.1	.8	1.4	1.7	.9	.3	.2							86	86
74/ 73									.1	1.6	1.8	1.3	.5	.1	.1							108	108
72/ 71									.1	1.7	1.0	1.5	.9	.2	.1							100	100
70/ 69									.5	2.4	2.1	2.0	.7	.1								152	152
68/ 67									.1	1.1	2.3	3.4	2.0	.7								161	161
66/ 65									.6	1.5	2.1	3.1	1.9	1.1	.3							185	185
64/ 63	.1	1.0	1.4	2.6	3.1	2.8	.8	.1														200	200
62/ 61	.2	1.3	1.7	2.6	3.2	1.7	.1															189	189
60/ 59	.3	1.4	1.5	2.3	1.6	.7	.2															141	141
58/ 57									1.4	1.5	.9	1.0	.2									89	89
56/ 55	.1	1.5	.6	.9	.1																	59	59
54/ 53									.9	.5	.2											26	26
52/ 51									.2	.2												6	6
50/ 49																						36	36
48/ 47																						9	9
46/ 45																							
44/ 43																							
42/ 41																							
40/ 39																							
38/ 37																							
36/ 35																							
TOTAL	.8	8.21	8.314	113.6	8.1	3.0	2.1	1.0	.3	.4											1756	1756	1756

Exposure	Zx	Zx	X	0x	No. Obs	Mean No. of Hours with Temperature	42 F	43 F	44 F	45 F
Rd. Hr.	7286637	110047	62,714,909		1756					
Day Hr.	8046552	118138	67,274,496		1756	43.2	22.2	7.3		93
Wet Hr.	6147886	103528	59,052,019		1756	6.7	1.7	.1		93
Dew Point	5046609	93593	53,223,759		1756	1.0	.2			53

USAFETAC Form 9-20-53 (Rev. 1-54)







DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY

53-71

AUG

PAGE 1 1800-2000

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	DB	WB	DB-H	WB-H		
88/ 87																																			2	2		
86/ 85																																			10	10		
84/ 83																																			12	12		
82/ 81																																			21	21		
80/ 79																																			36	36		
78/ 77																																			36	36		1
76/ 75																																			55	55		1
74/ 73																																			73	73		6
72/ 71																																			69	69		8
70/ 69																																			118	118		18
68/ 67																																			129	129		45
66/ 65																																			172	172		96
64/ 63																																			188	188		144
62/ 61																																			177	177		184
60/ 59																																			159	159		216
58/ 57																																			181	181		231
56/ 55																																			91	91		236
54/ 53																																			49	49		191
52/ 51																																			25	25		187
50/ 49																																			4	4		60
48/ 47																																					19	
46/ 45																																					6	
44/ 43																																						
42/ 41																																						
40/ 39																																						
38/ 37																																						
36/ 35																																						
TOTAL	2.0	14.3	17.0	17.5	16.6	15.3	7.9	4.8	2.3	.9	.8	.3	.1																						1977	1977		1977

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	7809601	108248	68.415	8.27	1977	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	6733440	102482	64.9	7.187	1977			34.3	14.6	3.9		93
Wet Bulb	8389710	91810	58.2	4.986	1977			4.7	.8			93
Dew Point	4889118	64896	52.4	3.709	1977			1.1	.1			93

USAFETAC FORM 0-26.5 (OLA) REVISION 15 FEBRUARY 1977

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-70

AUG

PAGE 1 2100-2300

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	DB	WB	DW	BU	WB	R	DP
78/77								.1	.1	.1	.1																								4	4		
76/75								.2	.1	.1	.1							.1	.1															9	9			
74/73								.2	.1	.1	.1																							13	13			
72/71			.1		.2		.1	.4	.6	.3	.1	.1																						28	28			
70/69			.1		.2		.1	.3	.6	.3	.1	.1																						51	51	6		
68/67	.1		.7		1.1		1.9	1.5	.8	.2	.1	.1																						91	91	19	7	
66/65	.1		.9		1.5		2.4	1.1	.2	.1																								102	102	36	16	
64/63	.2		1.6		2.5		2.7	1.3	.4	.1																								127	127	54	40	
62/61	.3		4.4		3.0		2.7	1.2	.1																									187	187	126	70	
60/59	.8		5.7		4.0		2.5	.8																										219	219	200	122	
58/57	1.2		5.5		4.5		2.0	.8	.1																									219	219	218	203	
56/55	.9		5.6		3.9		1.3	.2																										187	187	224	180	
54/53	1.0		4.9		3.9		1.3	.2																										164	164	229	227	
52/51	1.0		4.1		1.2		.2	.2																										104	104	181	209	
50/49	.2		1.5		.5		.5	.5																										35	35	136	202	
48/47	.2		.4		.2		.1	.1																										14	14	24	126	
46/45	.1		.1		.1		.1	.1																										4	4	18	80	
44/43																																					1	43
42/41																																						9
40/39																																						5
38/37																																						7
TOTAL	6,235	726	518	9	9	2	2	.4	.6	.2	.1	.1																						1570	1570	1570		

Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	10578926	127822	81.211	1.001	1870	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	8898844	94292	59.4	2.672	1870			11.6	1.9			93
Wet Bulb	4946072	69802	59.9	4.774	1870			1.8				93
Dew Point	48218	69822	52.4	2.221	1870			.6				93

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94056 SEMBACH AB GERMANY

52-68,71

SEP

PAGE 1 0000-0200

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71							.1	.1																										2	2		
70/ 69							.1	.1																										3	3		
68/ 67							.1	.1																										8	8		
66/ 65							.1	.1																										25	25	1	
64/ 63							.1	.1																										40	40	6	2
62/ 61							.1	.1																										68	68	36	12
60/ 59							.1	.1																										144	144	91	49
58/ 57							.1	.1																										152	152	151	127
56/ 55							.1	.1																										153	153	153	144
54/ 53							.1	.1																										187	187	153	139
52/ 51							.1	.1																										178	178	191	178
50/ 49							.1	.1																										171	171	210	176
48/ 47							.1	.1																										121	121	150	199
46/ 45							.1	.1																										93	93	128	133
44/ 43							.1	.1																										54	54	89	108
42/ 41							.1	.1																										31	31	44	71
40/ 39							.1	.1																										12	12	31	50
38/ 37							.1	.1																										7	7	10	28
36/ 35							.1	.1																										4	4	6	24
34/ 33							.1	.1																													2
32/ 31							.1	.1																													10
30/ 29							.1	.1																													1
TOTAL	18.4	52.1	118.0	8.2	2.8	.2																												1453	1453	1453	1453

USAFETAC FORM 0-26-5 (O.L.A.) REVISÉD WITHOUT NOTATION OF THIS NUMBER OBSOLETE

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	11282946	127724	87.8	10.172	1453	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	4153673	74208	52.1	2.242	1453							90
Wet Bulb	3839876	74208	51.1	2.242	1453							90
Dew Point	3608130	71884	49.8	2.274	1453							90

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

SEP

PAGE 1 0300-0500

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point
68/67						.1				.1																								3	3		
66/65						.1				.1																								8	8		
64/63			.3		1.0		.1																										21	21	1		
62/61		.1	1.7		1.1		.2																										48	48	20	6	
60/59		.3	3.0		2.1		.2																										103	103	37	32	
58/57		2.3	3.0		1.9		.3																										143	143	129	102	
56/55		1.7	6.7		1.4		.3		.1																								153	153	130	136	
54/53		2.1	3.4		2.0		.3																										148	148	172	147	
52/51		3.6	9.9		1.1		.6		.1																								231	231	172	179	
50/49		2.7	6.9		1.3		.3																										172	172	214	188	
48/47		3.6	4.7		1.3		.4																										151	151	177	196	
46/45		1.9	4.2		1.3		.2																										113	114	124	139	
44/43		2.1	3.2		.3		.1																										84	84	130	107	
42/41		2.4	1.8		.2																												66	66	86	112	
40/39		.7	1.3		.1																												35	35	45	75	
38/37		.6	.3		.1																												12	12	26	46	
36/35		.6																															9	9	19	27	
34/33		.1																															2	2	2	14	
32/31																																					2
TOTAL	25	255	815	1	3.6		.2		.1																								1910	1512	1910	1910	

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	12810214	126928	90.7	8.122	1510							
Dry Bulb	4026641	77487	51.2	6.068	1512			.2				90
Wet Bulb	3791368	73164	49.8	5.720	1510							90
Dew Point	3609794	72274	48.8	5.928	1510						.1	90

USAFETAC FORM 0-26-5 (O.L.A.) REVISÉ WITHOUT EDITIONS OF THE A. W. AIR QUALITY

DATA PROCESSING BRANCH  
 USAP ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

SEP

PAGE 1 0600-0800

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point	
68/67				.1	.2																													5	5		
66/65				.1	.2																													5	5		
64/63			.4	.7	.2	.1																												24	24	3	
62/61	.2	1.0	.8	.3	.1																													49	49	22	3
60/59	.1	4.7	2.2	.1																														124	124	62	33
58/57	1.4	3.9	1.9	.7																														123	123	140	109
56/55	2.8	6.5	1.6	.1	.1																													184	184	143	134
54/53	2.4	6.7	1.9	.6																														193	193	190	164
52/51	3.2	8.3	1.6	.4	.1																													226	226	212	193
50/49	3.0	7.9	1.1	.2	.1																													203	203	217	232
48/47	2.2	4.7	1.2	.2	.1																													139	139	187	186
46/45	2.6	4.7	.6	.1																														134	134	187	180
44/43	1.4	3.6	.7	.1																														104	103	122	130
42/41	1.8	1.8	.7	.1																														64	64	94	102
40/39	1.3	1.0	.2																															40	41	33	83
38/37	1.3	.7	.1																															34	36	43	87
36/35	.4	.3																																11	16	16	32
34/33	.1																																	2	2	3	19
32/31	.1																																	2	2	2	2
30/29																																					
<b>TOTAL</b>	<b>25.0</b>	<b>56.8</b>	<b>14.2</b>	<b>3.4</b>	<b>.4</b>	<b>.1</b>																											<b>1668</b>	<b>1677</b>	<b>1668</b>	<b>1668</b>	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Ref. Num.						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Dry Bulb	1222271	181268	90.7	7.276	1668			.1	.2			90
Wet Bulb	4169372	82814	49.6	5.277	1668			.1				90
Dew Point	396884	60732	48.4	6.068	1668			.2				90

USAFETAC FORM 0-26-5 (OL A) 1-53 (REV 1-53) (THIS FORM IS OBSOLETE)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

SEP

PAGE 1 C900-1100

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	32	33	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Po...		
82/81																																				1	1				
80/79																																				1	1				
78/77																																				7	7				
76/75																																				8	8				
74/73																																				19	19				
72/71																																				24	24				
70/69																																				43	43				
68/67																																				64	64		4		
66/65																																				86	86		16		
64/63																																				148	148		62		
62/61																																				160	160		100		
60/59																																				187	187		102		
58/57																																				204	204		130		
56/55																																				218	218		130		
54/53																																				183	183		172		
52/51																																				183	183		194		
50/49																																				140	140		220		
48/47																																				92	92		218		
46/45																																				67	67		187		
44/43																																				30	30		149		
42/41																																				12	12		91		
40/39																																				5	5		53		
38/37																																				3	3		39		
36/35																																				1	1		24		
34/33																																							11		
32/31																																							2		
TOTAL																																						1680	1680		1680

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	10882894	121628	78.213	2.72	1680			8.9	1.9	.1		90
Wet Bulb	490216	9092	53.9	2.202	1680			.8				90
Dew Point	4592104	6228	30.8	2.748	1680							90

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

84096

SENBACH AB GERMANY

59-72

SEP

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point	
88/ 87																			.1						.1										2	2		
86/ 85																	.2		.1						.1										3	3		
84/ 83																	.2		.1		.1					.1								7	7			
82/ 81																	.2		.1		.1														11	11		
80/ 79														.1		.2		.1		.1															18	18		
78/ 77														.2		.7		.2		.1															29	29		
76/ 75														.1		.8		.2		.1															32	32		
74/ 73														.1		.9		.2		.1															72	72		
72/ 71			.1			.2		.7		1.4		1.1		.1		1.9		.4		.1															100	100		
70/ 69			.1		1.0		1.5		2.4		1.9		.6		2.6		1.0		.4		.1														117	117		
68/ 67		.1		1.4		1.8		2.1		1.9		.8		1.0		1.8		.1		.1															131	131	25	1
66/ 65	.1		.1	1.7		1.8		2.5		2.0		1.5		1.0		1.7				.1															165	165	34	6
64/ 63	.1		.7	2.0		1.8		2.5		2.0		.8		.2		1.5																			168	168	117	13
62/ 61	.1		1.0	1.8		1.8		2.6		1.1		.5		.2		1.3																			179	179	188	31
60/ 59	.2		1.0	1.7		1.8		2.3		1.2		.3				1.2																			168	168	213	122
58/ 57	.2		1.0	2.1		2.3		1.5		.5		.1				.5																		154	154	187	154	
56/ 55	.4		2.4	2.1		2.0		1.2		.2		.1				.1																		151	151	231	189	
54/ 53	.2		1.4	1.8		1.1		.8		.1		.1				.1																		87	87	249	176	
52/ 51	.1		1.2	.8		.6		.3																										51	51	188	193	
50/ 49	.2		.7	.2		.2		.3																										22	22	126	189	
48/ 47	.2		.2	.2		.2																												12	12	68	192	
46/ 45	.1																																	1	1	35	135	
44/ 43			.1																															1	1	18	81	
42/ 41																																				2	62	
40/ 39																																					28	
38/ 37																																					19	
36/ 35																																					7	
34/ 33																																					1	
32/ 31																																					2	
30/ 29																																					1	
28/ 27																																					1	
TOTAL	1.6	10.4	19.2	19.9	19.0	15.8	9.6	5.1	2.1	.8	.2	.1	.1																					1681	1681	1681	1681	
Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	Z <sub>z</sub>	Z <sub>w</sub>	Z <sub>d</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Num.	7712748	111008	88.018.108		1681	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb	8789884	104188	88.1 7.177		1681			27.9	9.3	1.6	80																											
Wet Bulb	8289774	74228	88.1 8.281		1681			1.8	80																													
Dew Point	4480148	88828	88.9 4.238		1681		.2	.1	80																													

USAFETAC FORM 44 0-26-5 (OL A) REPRODUCED BY THE AIR FORCE GPO



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

59-72

SEP

PAGE 1 1500-1700

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.	Dew	Wet Bulb	Dew	Point	
90/89																																			1	1			
88/87																																			2	2			
86/85																																			8	8			
84/83																																			7	7			
82/81																																			25	25			
80/79																																			20	20			
78/77																																			36	36			
76/75																																			49	49			
74/73																																			64	64			
72/71																																			134	134		1	
70/69																																			146	146		4	
68/67																																			131	131		24	
66/65																																			144	144		70	
64/63																																			172	172		132	
62/61																																			164	164		198	
60/59																																			164	164		204	
58/57																																			110	110		184	
56/55																																			122	122		211	
54/53																																			81	81		237	
52/51																																			47	47		181	
50/49																																			23	23		109	
48/47																																			9	9		70	
46/45																																			6	6		37	
44/43																																			1	1		12	
42/41																																						3	
40/39																																							
38/37																																							
36/35																																							
34/33																																							
32/31																																							
30/29																																							
TOTAL	1.4	10.1	11.2	10.4	10.4	10.1	10.1	10.1	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	
Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																											
Rel. Hum.	7270002	107102	82.9	82.9	1677																																		
Dry Bulb	8989992	107479	64.1	7.022	1677																																		
Wet Bulb	8989987	94609	84.4	2.222	1677																																		
Dew Point	4989819	89111	80.8	6.472	1677																																		

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

94056 SEMBACH AB GERMANY

99-98, 71-72

SEP

PAGE 1 1800-2000

Temp F	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B.	TOTAL W.B.	TOTAL D.P.
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29			
84/83																.1				.1	.1							2	2				
82/81																.2				.2									1	1			
80/79													.1	.2	.2				.2										9	8			
78/77											.1	.2	.1	.2	.1				.1	.1									13	13			
76/75							.1	.4	.6	.5	.1	.2	.1	.2	.1	.1			.1	.1									14	14			
74/73						.1	.4	.6	.8	.2	.2	.2	.2	.1	.1				.1	.1									26	26			
72/71					.1	.6	.7	.8	.2	.2	.2	.1	.1						.1	.1									39	39			
70/69		.1	.3	.3	1.0	1.2	1.2	.7	.7	.7	.7	.7	.7	.1	.1				.1	.1									70	70	1		
68/67		.1	.8	1.0	1.0	1.0	1.0	.6	.1	.6	.6	.6	.6	.1	.1				.3										86	86	9		
66/65		.1	2.1	2.2	2.2	1.7	1.2	.8	.7	.9	.9	.9	.9	.1	.1				.1										112	112	39		
64/63	.1	1.0	3.1	2.1	1.8	1.5	.8	.6	.6	.6	.6	.6	.6	.1	.1				.1										137	137	63		
62/61	.3	1.6	3.2	1.8	1.4	.9	.9	.5	.5	.5	.5	.5	.5	.1	.1				.1										142	142	123		
60/59	.4	2.9	2.9	2.8	.8	.3	.2	.2	.1	.1																			142	142	177		
58/57	.6	3.6	2.6	2.3	1.0	.3	.1	.1																					166	166	174		
56/55	.7	3.3	3.5	2.0	.8	.1	.1																						152	152	167		
54/53	.8	2.8	3.1	1.4	.3	.1	.1																						120	120	187		
52/51	.9	3.7	1.9	1.0	.1	.1																							104	104	169		
50/49	.4	1.8	1.1	.4																									54	54	156		
48/47		.9	.6	.2	.1																								27	27	75		
46/45	.2	.8	.4																										20	20	56		
44/43	.1	.3	.1																										7	7	27		
42/41		.1																											2	2	10		
40/39		.1																											1	1	4		
38/37																														1	1	24	
36/35																																13	
34/33																																5	
32/31																																5	
30/29																																1	
28/27																																4	
<b>TOTAL</b>		<b>2.722</b>	<b>9.25</b>	<b>9.20</b>	<b>7.11</b>	<b>6.7</b>	<b>7.7</b>	<b>4.0</b>	<b>2.4</b>	<b>1.5</b>	<b>.2</b>	<b>.1</b>	<b>.1</b>																<b>1446</b>	<b>1446</b>	<b>1446</b>		

Element (X1)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	8247277	107781	74.814	960	1446			14.1	6.0	.8		90
Wet Bulb	4409876	79422	54.9	8.467	1446			.8				90
Dew Point	3849084	74008	51.2	6.327	1446			.8				90

USAFETAC FORM 44 0-26-5 (OL A) REVID REVISIONS EDITIONS OF THIS PLAN ARE OBSOLETE

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# PSYCHROMETRIC SUMMARY

34056

SEMBACH AB GERMANY

53-68,71

SEP

PAGE 1 2100-2300

Temp		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	DB-WB	DB-Bulb	WB-Bulb	DB-P	WB-P
74/	73																																				4	4			
72/	71																																			5	5				
70/	69																																			12	12				
68/	67																																			30	30				
66/	65																																			42	42	8	1		
64/	63																																			84	84	33	10		
62/	61																																			128	128	40	25		
60/	59																																			164	164	139	68		
58/	57																																			141	141	169	140		
56/	55																																			163	163	168	163		
54/	53																																			192	192	171	157		
52/	51																																			178	178	175	162		
50/	49																																			126	126	208	167		
48/	47																																			83	83	161	195		
46/	45																																			42	42	92	122		
44/	43																																			32	32	53	93		
42/	41																																			14	14	33	57		
40/	39																																			2	2	12	30		
38/	37																																			3	3	6	28		
36/	35																																						15		
34/	33																																						7		
32/	31																																						3		
30/	29																																						2		
28/	27																																						3		
<b>TOTAL</b>		9.8	46.5	24.0	10.6	5.9	2.2	1.1	.1																											1448	1448	1448	1448		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	10421038	121282	84.012	114	1448							
Dry Bulb	4494402	80190	55.4	6.080	1448			3.2	.2			90
Wet Bulb	4032247	78071	53.9	5.441	1448							90
Dew Point	3719128	72848	50.3	6.120	1448							90

USAFETAC FORM 0-26-5 (OL A) REVISED METHOD EQUATIONS OF INCHES IN AREA 18-1977



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

CGT

PAGE 1 0300-0500

		WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	W B D P		TOTAL			
64/63										.1																	1	1			
62/61									.1																		1	1			
60/59			.3		.7		.3	.1	.1																	22	22				
58/57			1.5		1.5		.1																			30	30	9	2		
56/55	1.1	3.6		.7																						82	82	72	34		
54/53	1.9	4.8		1.9																						100	101	76	79		
52/51	1.9	3.6		.9		.1																				98	98	118	114		
50/49	1.9	5.8		.9	.4	.1																				138	138	115	103		
48/47	3.0	5.4		1.6	.1																					151	151	128	129		
46/45	3.4	6.8		1.3	.2																					176	176	164	137		
44/43	3.4	5.4		1.0	.1																					151	153	185	141		
42/41	2.6	4.1		.5	.3																					114	116	132	161		
40/39	3.8	4.0		.1	.1																					120	120	141	144		
38/37	3.6	3.4		.1																						108	110	112	139		
36/35	2.7	2.8		.4																						89	89	93	107		
34/33	2.6	1.3																								60	62	79	86		
32/31	1.8	1.3		.1																						48	48	54	70		
30/29	.3	.3																								9	9	18	32		
28/27	.5	.1																								9	9	11	21		
26/25	.1																									2	2	2	8		
24/23																														1	
22/21	.1																									1	1	1	1	1	
20/19																														1	1
TOTAL	33.8	54.6	9.7	1.6	.3	.1																				1510	1519	1510	1510	1510	

Element (X)	Z <sub>x'</sub>	Z <sub>x</sub>	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	
Rel. Hum	12787698	138418	91.7	7.762	1509							
Dry Bulb	3107400	67858	44.7	7.084	1510			4.2				93
Wet Bulb	2922288	65750	43.8	6.778	1510			5.3				93
Dew Point	2782172	69958	42.4	6.970	1510			8.3				93

USAFETAC FORM 0-26.5 (CL.A) 10-64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY

11-72

OCT

PAGE 1 0600-0800

		WET BULB TEMPERATURE DEPRESSION, F																				TOTAL		TOTAL														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	DB-WB	Wet Bulb	Wet Bulb	DB-F	
62/	61					.1		.1		.1																									5	5		
60/	59					.4		.1		.1																								10	10			
58/	57	.1	1.2			.9		.2																										40	40	9	2	
56/	55	1.1	2.9			.5																											76	76	55	32		
54/	53	1.6	5.4			.6																											128	131	121	81		
52/	51	2.4	4.1			.6		.2																									125	125	132	142		
50/	49	1.6	5.5			1.1		.2																									141	141	119	130		
48/	47	2.1	6.2			.9		.1																									158	158	121	104		
46/	45	3.2	5.5			1.1		.2																									167	167	199	160		
44/	43	2.8	5.5			.9		.1																									158	158	153	168		
42/	41	3.4	5.2			.6		.1																									158	160	177	137		
40/	39	3.1	3.9			.2																											122	124	154	173		
38/	37	3.9	3.2			.6																											131	135	124	153		
36/	35	2.8	2.2			.3																											90	95	100	117		
34/	33	3.4	1.8			.2																											91	93	101	120		
32/	31	2.3	.7			.1																											32	32	74	78		
30/	29	.6	1.2			.1																											32	32	31	48		
28/	27	.2	.3																														8	8	15	29		
26/	25	.2	.1																														4	4	5	14		
24/	23	.1																															1	1	1	7		
22/	21																																				2	
<b>TOTAL</b>		<b>34.7</b>	<b>54.7</b>	<b>9.1</b>	<b>1.2</b>	<b>.1</b>																												<b>1697</b>	<b>1718</b>	<b>1697</b>	<b>1697</b>	

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Rel. Hum.	14301771	182208	91.7	7.568	1697							
Dry Bulb	3447209	73855	44.2	7.331	1718			8.3				93
Wet Bulb	3242816	72212	42.1	7.038	1697			8.2				93
Dew Point	3073925	71198	42.0	7.253	1697			9.8				93

USAFETAC FORM 0-26-5 (01-A) REVISED EDITION OF THIS FORM ARE 7-8-57

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR EATER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

GCT

PAGE 1 C900-110C

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	DB	WB	DB	WB	
72/71								.1	.1	.1																								3	3		
70/69								.1	.1	.1																								2	2		
68/67								.1	.1	.1																								3	3		
66/65						.1	.2	.2	.2	.1																								10	10		
64/63					.1	.2	.3	.3	.2	.1																								19	19		2
62/61					.1	.2	.3	.4	.3	.2																								37	37		3
60/59	.1	.6	1.0	1.0	1.0	.1	.2																										60	60	16	5	
58/57	.2	2.6	1.6	1.4	1.3	.4	.3																										88	88	32	10	
56/55	.3	4.4	2.1	1.7	1.5	.7	.5	.2	.2	.1																							140	140	124	61	
54/53	.7	5.2	3.0	2.4	2.0	.9	.6	.3	.2	.1																							171	172	140	126	
52/51	1.1	4.8	2.9	2.2	1.8	.8	.5	.2	.2																								168	169	130	136	
50/49	1.0	4.7	2.9	2.2	1.8	.8	.5	.2	.2																								183	184	169	138	
48/47	1.3	5.2	2.8	2.1	1.7	.8	.5	.2	.2																								180	180	187	152	
46/45	1.3	5.3	2.8	2.1	1.7	.8	.5	.2	.2																								163	166	183	174	
44/43	1.6	5.3	1.9	1.5	1.2	.4	.3																										149	149	195	178	
42/41	1.8	5.6	1.9	1.5	1.2	.4	.3																										113	117	172	163	
40/39	1.1	2.6	1.0	.8	.7	.1	.1																										84	88	113	160	
38/37	1.3	1.7	.7	.6	.5	.1	.1																										65	66	82	128	
36/35	1.1	.8	.4	.3	.3	.1	.1																										35	35	65	101	
34/33	.4	.6																															18	18	19	51	
32/31	.1	.4																															7	7	19	50	
30/29	.1	.1																															4	4	4	20	
28/27	.1																																1	1	2	8	
26/25																																				2	1
24/23																																				2	1
22/21																																				2	1
18/17																																				1	1
TOTAL	14	148	023	4	8	6	2	8	.9	.2																							1707	1718	1707	1707	

Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum.	12336626	16308	85.0	11.066	1707							
Dry Bulb	4161687	83708	48.7	6.976	1718			.6	.4			93
Wet Bulb	3745708	79228	46.4	6.330	1707			1.8				93
Dew Point	3412620	75484	44.2	6.732	1707			6.6				93

USAFETAC FORM 34-1 (OL A) 0-26.5 (OL A) REVISION 10-60 (FORM 34-1) (4-63) (4-63)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

007

PAGE 1 1200-1400

Temp		WET BULB TEMPERATURE DEPRESSION F																														TOTAL		TOTAL				
F	C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	DB	WB	Wet Bulb	Dew Point	
78/77																																		1	1			
76/75														.2																				4	4			
74/73													.2	.2																				8	8			
72/71													.1	.1	.1																			9	9			
70/69													.1	.2	.2	.1																		13	13			
68/67													.1	.4	.7	.2																		29	29			
66/65													.1	.9	1.2	.6	.2																	55	55	2		
64/63													.7	1.5	1.2	.5	.5	.2																82	82	14		
62/61													.1	1.7	2.5	1.6	.6	.3	.1															119	119	14	1	
60/59		.1		.8	2.9	2.7	1.5						.7	1.5	.7	.2																		152	152	47	11	
58/57				1.2	3.6	2.4	1.4						.2	1.1	.2	.1																		158	158	120	30	
56/55		.6		2.8	1.8	3.0	1.1						.4	1.1	.4	.1																		170	170	201	93	
54/53				2.4	3.8	2.6	1.5						.6	1.5	.9	.1																		196	196	192	122	
52/51		.4		2.5	3.7	2.4	1.2						.4	1.2	.4																			183	183	169	205	
50/49		.3		2.0	3.4	2.3	1.0						.2	1.0	.2																			159	159	220	168	
48/47		.2		2.3	2.4	1.5	.3						.2	.3	.2																			115	115	171	162	
46/45		.5		2.7	1.6	.9	.2						.1	.2	.1																			102	102	175	171	
44/43		.5		1.7	1.2	.4	.2							.2	.2																			68	68	168	182	
42/41		.2		1.4	.3	.1	.1						.1	.1	.1																			39	41	99	139	
40/39		.3		1.1	.6	.2	.2																											37	37	60	138	
38/37		.1		.3	.1	.1	.1																											9	9	38	95	
36/35		.2		.1	.1	.1	.1																											6	6	17	88	
34/33		.1		.1	.1	.1	.1																											3	3	8	48	
32/31																																					2	31
30/29																																						12
28/27																																					11	
26/25																																					5	
24/23																																					3	
20/19																																					1	
18/17																																					1	
TOTAL		3.8	21.4	28.2	23.6	13.5	5.9	2.3	1.0	.2																									1717	1720	1717	1717

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	9658896	126800	73.714	0.88	1717							93
Wet Bulb	9101951	92861	54.0	7.174	1720			3.8	.7			93
Dew Point	4884608	84848	49.4	6.007	1717			.1				93
	3605692	77782	45.3	6.916	1717			3.8				93

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIONS FOR USE OF AIR WEATHER SERVICE



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/VAC

# PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

GCT

T <sub>DB</sub> / T <sub>WB</sub>	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB	TOTAL WB	TOTAL DW	TOTAL R			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
78/77																																				1	1	
76/75																																			5	5		
74/73																																			7	7		
72/71											.2	.2	.4	.1																				16	16			
70/69								.1	.1	.4	.1	.4	.1						.1														12	12				
68/67								.1	.1	.4	.7	.4	.4																					32	32			
66/65				.1			.7	1.4	.9	.4	.1	.2																						64	64			
64/63				.2			1.6	1.4	.7	.2	.1	.1																						75	75			
62/61		.3		2.2			2.2	2.7	1.1	.2	.2	.2																						151	151			
60/59	.1	.5		2.6			3.1	1.8	.3	.2	.1																							149	149			
58/57		1.4		2.4			3.9	1.4	.2	.2																								150	150			
56/55	.5	2.7		2.5			3.9	1.1	.8	.1	.2																							199	199			
54/53	.5	2.0		3.0			1.9	1.2	.9	.1																								166	166			
52/51	.4	1.5		3.1			2.7	1.2	.2																									165	165			
50/49	.3	2.7		3.8			2.3	1.0	.1																									178	178			
48/47	.1	2.1		2.4			1.2	.9	.5	.1																								111	111			
46/45	.4	2.0		1.4			.9	.5						.1																				90	90			
44/43	.1	1.2		1.2			.5	.1																										54	54			
42/41	.1	1.1		.8			.1																											34	34			
40/39	.1	.8		.8			.1																											32	32			
38/37	.1	.4		.1			.1																											10	11			
36/35	.2	.2		.1																														9	9			
34/33	.1																																	1	1			
32/31																																						4
30/29																																						
28/27																																						
26/25																																						
24/23																																						
22/21																																						
20/19																																						
18/17																																						
16/15																																						
14/13																																						
12/11																																						
10/9																																						
8/7																																						
<b>TOTAL</b>	<b>3.2</b>	<b>18.9</b>	<b>26.9</b>	<b>24.2</b>	<b>15.2</b>	<b>7.1</b>	<b>2.7</b>	<b>1.4</b>	<b>.2</b>																									<b>1711</b>	<b>1711</b>	<b>1711</b>		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	9290808	123628	72.116	247	1711	0 F	32 F	67 F	73 F	80 F	93 F	Total
Dry Bulb	5172698	93908	54.4	7.239	1711			4.0	.7			93
Wet Bulb	4267971	66819	49.8	6.062	1711		.2					93
Dew Point	2576098	77270	48.2	7.111	1711	4.4						93

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

33-07,69,71-72

DGT

PAGE 1 1800-2000

Time	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	DB	WB	DB	WB
70/ 69						.1	.1	.1								3	3		
68/ 67					.1	.1	.2	.1								2	2		
66/ 65				.1	.1	.3	.1	.1	.1							9	9		
64/ 63			.1	.3	.6	.3	.3	.1			.1	.1				25	25	2	
62/ 61		.1	.3	.6	1.2	.2	.2									34	34	7	2
60/ 59		1.2	2.7	1.1	.6	.1										83	83	21	9
58/ 57		2.2	2.2	.9	.3	.3	.1	.1								84	84	48	16
56/ 55	.7	4.7	3.2	1.0	.3	.3	.2	.1	.1							132	132	129	34
54/ 53	.6	4.7	3.3	1.2	.1	.1	.1									147	147	120	115
52/ 51	.7	4.4	3.9	.4	.2	.2	.2	.1								143	143	133	143
50/ 49	1.3	3.5	3.3	1.0	.3	.3	.1									167	167	159	128
48/ 47	.4	4.9	3.0	.9	.2	.2	.2	.1								163	163	166	147
46/ 45	.8	3.8	2.2	.8	.1											149	149	156	136
44/ 43	.4	3.8	2.2	.8	.2											101	101	102	138
42/ 41	.6	2.8	1.0	.3												70	70	120	122
40/ 39	.2	2.8	.4	.1												32	32	29	123
38/ 37	.2	1.2	.4													26	26	55	87
36/ 35	.2	.8														14	14	22	93
34/ 33	.4	.3														10	10	22	34
32/ 31	.2															3	3	1	30
30/ 29	.1															2	2	4	15
28/ 27																		1	6
26/ 25																			4
24/ 23																			1
22/ 19																			2
TOTAL	6.745	931.7	10.4	2.7	1.0	.2	.1									1447	1448	1447	1447

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						
Ref. Num.						+ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total
Dry Bulb	10017204	119210	32.2	0.092	1447			.2	.7			93
Wet Bulb	3709754	72042	27.4	0.112	1447			.6				93
Dew Point	3302734	64809	44.8	0.772	1447			2.7				93

USAFEIAC FORM 0 265 (GL A) REVISION 10-64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

23-07-69, 71-72

CCT

PAGE 1 2100-2300

Time	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	32	33	DB, W.B.	Dry B.	Wet Bulb	Dew Point
00/ 65					.1																														1	1		
04/ 63					.1																													7	7			
08/ 61				.2																														17	17	1		
00/ 59		.1	1.0	1.5																														41	41	7	1	
08/ 57		.1	2.0	1.2																														32	32	27	17	
16/ 55		.6	4.0	1.1																														32	32	80	34	
24/ 53	1.2	4.5	2.0																															92	92	107	97	
32/ 51	1.3	3.2	2.4																															119	119	123	102	
40/ 49	2.1	7.1	2.4																															138	138	123	102	
48/ 47	1.3	7.0	1.7																															177	177	130	131	
40/ 45	1.3	7.1	1.7																															160	160	139	133	
44/ 43	1.3	3.3	1.9																															160	160	130	132	
42/ 41	1.3	4.4	1.9																															130	130	148	150	
40/ 39	2.4	4.9	1.9																															103	103	142	138	
38/ 37	1.4	2.6	1.7																															111	111	132	134	
36/ 35		1.8	1.7																															69	69	94	127	
34/ 33		1.8	1.8																															25	25	48	95	
32/ 31		1.3	1.3																															22	22	29	45	
30/ 29		1.1	1.3																															9	9	13	29	
28/ 27			1.2																															6	6	8	20	
26/ 25																																		3	3	3	7	
24/ 23																																					1	
18/ 17																																					1	
TOTAL	10.1	57.8	10.7	3.7	1.2																														1442	1442	1442	1442

USAFETAC FORM 34 0-26-5 (GLA) 48700-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	11201988	120894	88.0	9.004	1442							
Dry Bulb	2298781	68209	47.4	6.002	1442		1.2					93
Wet Bulb	3033073	62741	43.5	6.220	1442		1.6					93
Dew Point	2824877	62197	43.2	6.227	1442		6.2					93

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-67

NGV

PAGE 1 0000-0200

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	DB	WB	D. B.	Wet Bulb	Dep. P.				
58/57					.1																															2	2				
56/55				.4	.2																															13	13				
54/53			.5	.2	.1																															12	12	9	3		
52/51			.5	.6	.1																															17	17	10	6		
50/49			1.8	.5	.4																															37	37	17	14		
48/47	1.0		2.0	1.3	.4																															60	60	31	29		
46/45	1.1		6.2	.7																																107	107	61	60		
44/43	2.4		6.0	.6																																122	122	166	89		
42/41	2.3		6.4	.5																																126	126	131	118		
40/39	3.0		7.3	.8	.1																															150	150	168	166		
38/37	3.1		6.8	.4																																142	142	137	135		
36/35	2.7		6.8	.4																																124	124	139	129		
34/33	2.7		6.0	.5																																125	125	124	110		
32/31	3.1		5.8	.2																																123	123	143	133		
30/29	1.9		5.3																																	97	97	98	116		
28/27	.9		1.3	.1																																31	31	73	84		
26/25	.7		1.7																																	32	32	25	56		
24/23	.1		.4																																	7	7	23	32		
22/21	.2		.1																																	5	5	7	20		
20/19	.2																																			3	3	3	15		
18/17	.1																																			2	2	2	6		
16/15	.1																																			2	2	2	3		
14/13																																							2	2	
12/11																																								2	1
TOTAL	25.7	65.5	7.5	1.0	.4																															1349	1349	1349	1349		

Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	10013687	120891	89.4	7.702	1349	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2021485	81607	38.1	6.806	1349		20.1					90
Wet Bulb	1892816	69786	36.9	6.692	1349		28.1					92
Dew Point	1929267	47822	32.2	6.842	1349		32.7					90

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

DATA PROCESSING BRANCH  
 USAF WTAC  
 AIR WEATHER SERVICE/WAC

### PSYCHROMETRIC SUMMARY

34056

SEMBACH AB GERMANY

23-72

10V

PAGE 1 0300-0500

		WET BULB TEMPERATURE DEPRESSION ° F																								TOTAL	TOTAL	TOTAL	TOTAL									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB ° F	WB ° F					
60/	59																																					
58/	57																																					
55/	55				.1																																	
54/	53				.3																																	
52/	51				1.0																																	
50/	49			.1	1.0																																	
48/	47			.6	2.0																																	
46/	45			.7	3.2																																	
44/	43	2.4	4.6	6.2	8.2																																	
42/	41	2.7	4.9	6.2	8.2																																	
40/	39	3.9	6.1	7.5	8.9																																	
38/	37	2.3	4.6	6.1	7.5																																	
36/	35	2.4	4.6	6.1	7.5																																	
34/	33	3.1	5.2	6.7	8.2																																	
32/	31	3.0	5.1	6.6	8.1																																	
30/	29	1.9	3.9	5.4	6.9																																	
28/	27	1.1	3.1	4.7	6.2																																	
26/	25	1.7	3.4	5.0	6.6																																	
24/	23	1.4	3.1	4.7	6.2																																	
22/	21	1.1	3.1	4.7	6.2																																	
20/	19	1.3	3.1	4.7	6.2																																	
18/	17	1.1	2.9	4.5	6.1																																	
16/	15	2.1	4.1	5.7	7.3																																	
14/	13	2.2	4.2	5.8	7.4																																	
12/	11	2.4	4.4	6.0	7.6																																	
TOTAL		26.8	44.7	7.7	1.0	.2																																
																										1432	1432	1432	1432									

USAFETAC FORM 026-5 (OL A) 026-5 (OL A) 026-5 (OL A) 026-5 (OL A)

Element (X)	Σ X'	Σ X	X̄	S <sub>p</sub>	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	
Rel. Hum.	11027200	1288000	89.6	7.817	1432						
Dry Bulb	2100000	20810	37.4	6.900	1432		20.1				80
Wet Bulb	1999000	22110	36.4	6.020	1432		28.0				80
Dew Point	1800000	49790	34.8	6.900	1432		30.8				80

DATA PROCESSING BRANCH  
 JSAP ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY

53-72

NOV

PAGE 1 0600-0800

		WET BULB TEMPERATURE DEPRESSION F																															TOTAL		TOTAL		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB.	WB.	DB.	WB.	DeW. Point
62/61																																		2	2		
60/59																																		2	2		
58/57																																		1	1		
56/55																																		6	6		
54/53																																		17	17	6	
52/51																																		23	23	9	2
50/49	.1	1.3																															44	44	29	17	
48/47	.3	2.4																															69	69	46	27	
46/45	.6	4.5																															102	102	77	39	
44/43	1.0	6.9																															152	152	121	111	
42/41	1.5	9.5																															135	137	106	148	
40/39	2.0	12.1																															120	128	121	168	
38/37	2.5	14.8																															146	148	137	168	
36/35	3.0	17.5																															167	150	144	126	
34/33	3.5	20.2																															176	183	171	157	
32/31	4.0	23.0																															175	179	194	188	
30/29	4.5	25.7																															114	114	128	145	
28/27	5.0	28.5																															39	39	27	102	
26/25	5.5	31.2																															29	29	36	74	
24/23	6.0	34.0																															25	25	28	54	
22/21	6.5	36.7																															12	12	17	26	
20/19	7.0	39.5																															1	1	4	24	
18/17	7.5	42.2																															5	5	5	8	
16/15	8.0	45.0																															4	4	4	5	
14/13	8.5	47.7																																		4	
12/11	9.0	50.5																																		4	
TOTAL	29.264.8	8.1	1.4	.4																													1396	1623	1396	1396	

USAFETAC FORM 0 26-5 (G. A) 1-64  
 (REPLACES FORM 0 26-5 (G. A) 1-64)

Element	X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>	X <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Num.	1	2	3	4		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1880489	168008	29.4	7.042	1396							90
Wet Bulb	1880410	168070	27.8	7.020	1396		23.7					90
Dew Point	1880448	168138	26.2	6.892	1396		23.7					90

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

33-72

NGV

PAGE 1 C900-1100

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																																			2	2			
60/59																																			2	2			
58/57																																			2	2	2		
56/55																																			15	15			
54/53																																			30	30	6	1	
52/51																																			39	39	14	8	
50/49																																			69	70	38	13	
48/47																																			90	92	75	33	
46/45																																			134	136	115	66	
44/43																																			163	164	161	136	
42/41																																			161	162	171	158	
40/39																																			127	133	164	178	
38/37																																			152	156	155	159	
36/35																																			161	164	178	149	
34/33																																			172	178	169	187	
32/31																																			124	124	177	147	
30/29																																			80	80	86	134	
28/27																																			42	42	62	91	
26/25																																			25	25	35	90	
24/23																																			9	9	20	48	
22/21																																			4	4	6	25	
20/19																																			3	3	4	11	
18/17																																			1	1	1	10	
16/15																																			1	1	1	3	
14/13																																						3	
TOTAL	18	261	616	4	2	9																													1608	1634	1608	1608	

Element (X)	$\Sigma H'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Num.						< 0 F	< 32 F	< 67 F	< 73 F	> 80 F	> 93 F	Total
Dry Bulb	12291811	129807	37.6	8.821	1608		18.9					90
Wet Bulb	2540896	60456	37.6	6.492	1608		21.8					90
Dew Point	2101717	27122	28.8	6.712	1608		29.2					90

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

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

NOV

Time	WET BULB TEMPERATURE DEPRESSION - F																				TOTAL		TOTAL																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	DW	BL	WBH	DW	BL		
70/ 69													.1	.1																						3	3			
66/ 65																																				1	1			
64/ 63							.1																													1	1			
62/ 61						.1	.1		.2																											6	6			
60/ 59					.1	.1	.1		.4	.1	.1																									12	12			
58/ 57			.1		.4	.5	.5		.4	.4	.4																									28	28		7	
56/ 55			.4		.5	.9	.9		.2																											40	40		10	
54/ 53			.9		.8	1.3	.7	.1																												61	61		15	
52/ 51			.9		2.2	1.5	.4																													81	81		37	
50/ 49	.1	2.1	3.6		1.1	.1	.1	.1																												110	110		66	
48/ 47	.2	2.9	3.8		1.3	.3	.3																													138	138		129	
46/ 45	.2	4.3	3.8		1.2	.1	.1																													161	161		147	
44/ 43	.3	3.3	3.0		.8	.1	.1																													153	154		165	
42/ 41	1.2	4.3	2.9		1.2	.1	.1																													148	148		188	
40/ 39	.9	4.4	2.7		.4	.1	.1																													134	134		149	
38/ 37	1.4	3.6	1.9		.2	.1	.1																													167	168		181	
36/ 35	1.2	4.8	1.8		.1	.1	.1																													126	129		160	
34/ 33	.9	3.8	1.8		.1	.1	.1																													121	123		166	
32/ 31	.8	3.1	.7		.1	.1	.1																													78	78		119	
30/ 29	.1	1.9	.2		.1	.1	.1																													38	38		84	
28/ 27		1.1	.1		.1	.1	.1																													20	20		38	
26/ 25		.1			.1	.1	.1																													1	1		17	
24/ 23		.2			.1	.1	.1																													3	3		4	
22/ 21					.1	.1	.1																																	
20/ 19																																								
18/ 17																																								
16/ 15																																								
14/ 13																																								
12/ 11																																								
TOTAL	7.3	48.4	28.7	10.8	3.3	.8	.1	.1																													1611	1619		1611

FORM 0-26-5 (OL A) REVIC REVISED EDITION OF 1957. USE DATE 11-77  
 USAFETAC







DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-67

PAGE 1 2100-2300

		NET BULB TEMPERATURE DEPRESSION °F											TOTAL		TOTAL						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
58/	57			.1														1	1		
56/	55		.6	.1														17	17		
54/	53	.1	.4	.1		.3	.1	.1										11	11	5	
52/	51	.1	.9	.4														19	19	10	9
50/	49	.1	2.7	1.0	.1													51	51	22	13
48/	47	.8	2.1	1.1	.2													58	58	58	35
46/	45	1.0	6.0	2.2	.1													126	126	67	56
44/	43	1.7	6.3	.8														119	119	135	85
42/	41	1.9	5.9	.8	.3													119	119	139	100
40/	39	3.4	8.2	.7														166	166	150	158
38/	37	3.0	6.1	1.1														137	137	159	167
36/	35	3.5	6.3	.9														144	144	138	163
34/	33	2.8	5.5	1.1														127	127	132	164
32/	31	2.2	6.3															115	115	137	133
30/	29	1.4	3.8	.1														71	71	93	109
28/	27	.5	1.6	.1														31	31	46	97
26/	25	.4	1.3		.1													24	24	24	47
24/	23		.3	.1														6	6	13	27
22/	21	.1																1	1	4	13
20/	19	.2																3	3	6	10
18/	17	.2																3	3	3	9
16/	15																				1
14/	13																				1
12/	11																				1
8/	7																				2
6/	5																				1
4/	3																				1
TOTAL		23.464	211.0	1.0	.6	.1												1349	1349	1349	1349

Element X	Σ x	Σ x²	x̄	s²	No. Obs.	Mean No. of Hours with Temperature					Total
						10 F	12 F	14 F	16 F	18 F	
Rel. Hum.	10713180	119082	88.7	8.600	1349						
Dr. Bulb	2077029	22169	38.7	6.649	1349		16.9				90
Wet Bulb	1936847	20992	37.4	6.321	1349		21.9				90
Dew Point	1765018	47916	35.3	6.860	1349		30.2				90

USAFETAC FORM 10-64 0-26-5 (G-1) (REV. 10-64) (10-64)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-67,72

DEC

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		WET BULB TEMPERATURE DEPRESSION (°F)										TOTAL		TOTAL		
		1	2	3	4	5	6	7	8	9	10	Wet Bulb	Dry Bulb	Wet Bulb	Dry Bulb	
56/ 55		.1	.1	.1									6	6		
54/ 53		.1	.1	.1									4	4	3	
52/ 51		.1	.3	.5									16	16	6	4
50/ 49		.3	.5	.8	.1								23	23	16	9
48/ 47		.2	1.2	.4		.2							29	29	24	12
46/ 45		.9	2.0	.6									49	49	37	32
44/ 43		1.3	3.6	.3	.1								73	73	61	59
42/ 41		1.7	4.4	.5									91	91	91	60
40/ 39		2.6	4.5	.4									104	104	107	93
38/ 37		2.2	4.2	.6	.1								99	99	100	111
36/ 35		2.7	6.6	.6	.1								140	140	109	89
34/ 33		4.0	6.7	.5									156	156	152	139
32/ 31		3.1	8.0										182	182	199	162
30/ 29		2.4	4.3	.3									98	98	124	139
28/ 27		1.9	2.7	.2									67	67	86	114
26/ 25		3.2	2.0	.2									75	75	80	80
24/ 23		1.1	1.3										33	33	42	77
22/ 21		1.2	1.2	.1									33	33	33	49
20/ 19		1.8	1.2										42	45	46	31
18/ 17		.4	.4										12	12	14	30
16/ 15		.2	.6										12	13	9	32
14/ 13		.3	.5										11	11	13	7
12/ 11		.6	.6										17	17	16	7
10/ 9		.6	.1										10	12	13	17
8/ 7		.4											6	6	7	12
6/ 5																11
4/ 3		.1											1	1	1	9
2/ 1																4
TOTAL		35.3	57.5	6.5	.4	.2							1389	1395	1389	1389

Element	X <sub>1</sub>	X <sub>2</sub>	X̄	S <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					
						0 F	32 F	67 F	73 F	80 F	93 F
Rel. Hum	11257096	124848	89.7	8.044	1389						
Dry Bulb	1670454	46736	33.5	6.666	1389	40.3					93
Wet Bulb	1571039	48272	32.6	8.291	1389	48.7					93
Dew Point	1427767	42768	30.8	6.947	1389	32.3					93

USAFETAC FORM 0 26-5 (O-L-A) REVIS 10-64 (10-64)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

53-72

SEC

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Temp		WET BULB TEMPERATURE DEPRESSION °F																														TOTAL		TOTAL				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB, W.B., Dp, S, W, Wet Bulb, Dew P	DB, W.B., Dp, S, W, Wet Bulb, Dew P				
56/55				.2	.2																													6	6			
54/53	.1	.3																																5	5	4	2	
52/51		.5	.1																															6	7	5	4	
50/49	.1	.8	.5	.1																														22	22	10	5	
48/47	.1	1.3	.7	.1	.1																													33	33	18	8	
46/45	.6	2.0	.7	.1																														50	50	45	37	
44/43	1.5	2.7	.7																															72	72	63	46	
42/41	2.1	4.1	.5																															99	99	86	72	
40/39	2.0	4.1	.2																															92	95	109	87	
38/37	2.2	4.7	.5	.1																														111	112	107	108	
36/35	3.1	5.8	.8	.1																														143	145	113	107	
34/33	2.6	7.2	.5	.1																														154	157	139	127	
32/31	5.6	7.0	.1																															186	187	213	171	
30/29	3.0	8.0																																118	118	134	151	
28/27	2.4	2.9	.1																															79	79	108	118	
26/25	2.3	2.0	.1																															69	68	73	101	
24/23	2.3	2.0																																64	64	64	73	
22/21	1.0	1.2	.1																															33	33	40	66	
20/19	1.6	1.6																																47	49	42	38	
18/17	.8	.2																																17	19	30	34	
16/15	1.0	.4																																20	20	15	33	
14/13	.5	.5																																14	17	14	21	
12/11	.5	.5																																14	14	15	11	
10/9	.6	.1																																11	11	15	14	
8/7	.3																																	5	5	6	10	
6/5	.1																																	2	2	2	18	
4/3																																						7
2/1																																						1
0/-1																																					2	
TOTAL	36,456.9	5.9	.7	.1																															1472	1480	1472	

Element	X	ΣX	X̄	S <sub>x</sub>	No. Obs	Mean No. of Hours with Temperature					Total	
						0 F	32 F	67 F	73 F	80 F	93 F	
Rel. Hum		11943339	182077	89.7	8.027	1472						
Dry Bulb		1733718	49190	33.0	8.689	1490		62.9				93
Wet Bulb		1613221	47201	32.1	8.314	1472		48.8				93
Dew Point		1466786	44848	20.3	8.979	1472	.1	54.9				93

USAFETAC FORM 0-20.5 (OL A) JUL 64 REVISION 10-64 (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR HEATER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

59-72

DEC

PAGE 1 0600-0800

		WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOTAL	TOTAL	TOTAL	TOTAL
56/	55			.2	.1																																4	4		
54/	53	.1	.2	.1	.1																															6	6		1	
52/	51	.2	.2	.1	.1																														9	13		7		
50/	49		.5	.1	.1																														11	11		8		
48/	47		1.5	.8	.1																														37	38		15		
46/	45	.7	2.5	.6	.1																														64	64		48		
44/	43	1.0	3.3	.8	.1																														86	87		72		
42/	41	1.3	3.6	.7	.1																														92	94		99		
40/	39	1.5	4.6	.5	.1																														108	109		97		
38/	37	1.6	4.9	.5	.1																														116	122		118		
36/	35	2.1	5.7	.4	.1																														139	138		139		
34/	33	2.0	7.4	.2	.1																														176	180		147		
32/	31	3.6	6.5	.7	.1																														210	217		227		
30/	29	3.6	5.2	.1	.1																														146	146		161		
28/	27	2.9	2.3																																85	86		130		
26/	25	1.9	2.6	.1	.1																														72	73		86		
24/	23	1.9	1.8																																62	62		75		
22/	21	2.4	1.9																																71	71		71		
20/	19	2.1	.9																																48	50		52		
18/	17	1.0	.8																																30	33		33		
16/	15	.9	.2																																18	19		21		
14/	13	.5	.2																																14	14		13		
12/	11	.6	.4																																16	16		17		
10/	9	.5	.4																																14	14		14		
8/	7	.1	.1																																2	2		4		
6/	5	.4																																	7	7		7		
4/	3																																						6	
2/	1																																						4	
0/	-1																																						3	
<b>TOTAL</b>		<b>36.3</b>	<b>37.7</b>	<b>5.6</b>	<b>.4</b>																															<b>1642</b>	<b>1642</b>		<b>1642</b>	

Element (X)	Σx'	Σx	X̄	s <sub>x</sub>	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	12280614	147132	89.4	7.827	1642							92
Wet Bulb	1920947	84894	52.4	8.742	1642		48.1					93
Dew Point	1764792	52057	31.7	8.350	1642		30.4					93
	1595686	49010	29.9	8.968	1641	.2	52.8					93

USAFETAC FORM 0 20-5 (O.L.A.) REVISED PRINTING EQUIPMENT (10-64-44) 1-64

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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DEC

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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	32	DB, W B, DB, B,	W B, DB, B, F		
62/61												.1																								1	1
58/57								.1																												1	1
56/55					.1			.2																												4	4
54/53				.4				.1																												8	8
52/51			.1	.1				.1																												5	8
50/49			.8	.3				.2																											23	23	
48/47		.2	1.6	.5				.2																											42	42	
46/45		.8	2.7	.9																															73	73	
44/43		.8	3.2	1.0																															82	85	
42/41	1.3	4.1	1.1																																111	111	
40/39	1.2	5.0	.8																																116	118	
38/37	1.4	5.6	.3																																121	126	
36/35	2.1	6.3	.7																																151	154	
34/33	3.0	7.1	.6																																178	182	
32/31	4.3	6.4	.3																																182	186	
30/29	3.2	4.5	.3																																136	136	
28/27	2.4	2.5																																	82	82	
26/25	2.4	2.6	.1																																84	84	
24/23	1.8	2.5																																	72	72	
22/21	1.7	1.9																																	60	60	
20/19	1.3	.8																																	36	36	
18/17	.8	.6																																	23	27	
16/15	.3	.3																																	14	16	
14/13	.2	.2																																	18	18	
12/11	.7	.5																																	19	19	
10/9	.4	.1																																	7	7	
8/7	.1	.1																																	2	2	
6/5	.2																																		3	3	
4/3																																				3	3
2/1																																				3	3
TOTAL	30	460.8	7.4	.8	.1																														1034	1086	

Element (X)	$\Sigma x'$	$\Sigma x^2$	$\bar{x}$	$\sigma_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum	13087156	166400	22.5	2.117	1636	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Dry Bulb	1999089	26195	22.2	2.069	1636		41.6					93
Wet Bulb	1632096	22324	22.2	2.263	1636		47.2					93
Dew Point	1641274	49999	20.2	2.802	1636	.1	56.1					93

USAFETAC FORM 0 26-5 (OLA) REVISION 16 FEBRUARY 1954

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

83-72

DEC

PAGE 1 1200-1400

Time	WET BULB TEMPERATURE DEPRESSION (°F)																					TOTAL		TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	DB W.B. Diff.	Wet Bulb Dep.	Wet Bulb Diff.	Total	
64/ 63											.1	.1												3	3	
60/ 59							.1	.1																3	3	
58/ 57								.1																2	2	
56/ 55			.1	.2	.2	.1	.1																	10	10	
54/ 53		.4	.1	.2	.1	.1																		13	13	
52/ 51		.9	.2	.4	.2																			19	23	
50/ 49	.2	1.1	.5	.6																				39	39	
48/ 47	.2	2.2	1.1	.2																				63	63	
46/ 45	.5	2.5	1.3	.4																				78	79	
44/ 43	.8	3.8	1.9	.2																				111	112	
42/ 41	.8	4.3	2.4	.2																				129	130	
40/ 39	1.1	6.0	1.4																					143	144	
38/ 37	1.8	5.3	1.7	.4																				138	142	
36/ 35	1.8	6.1	1.9	.1																				172	173	
34/ 33	2.3	7.8	1.3	.1																				192	195	
32/ 31	2.6	8.2	1.1	.2																				192	194	
30/ 29	1.4	9.5	1.0	.1																				99	99	
28/ 27	1.9	2.6	.6																					84	84	
26/ 25	1.3	3.4	.2																					80	80	
24/ 23	.4	1.8																						36	36	
22/ 21	.4	1.1																						25	25	
20/ 19	1.0	.8																						20	20	
18/ 17	.2	.7																						15	15	
16/ 15	.2	.8																						15	14	
14/ 13		.8																						14	14	
12/ 11		.1																						1	1	
10/ 9		.1																						2	2	
8/ 7																										
6/ 5																										1
4/ 3																										
2/ 1																										
TOTAL	17.7	61.2	16.7	3.4	.4	.1	.1																	1668	1687	

Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	12081088	149841	66.4	10.844	1668	* 0 F	* 32 F	* 67 F	* 73 F	* 80 F	* 93 F	Total
Dry Bulb	2264928	60202	53.7	8.294	1668		30.7					33
Wet Bulb	2023091	28028	34.6	7.778	1668		29.1					33
Dew Point	1722734	22108	31.2	8.828	1668		42.6					33

FORM 0-26.5 (CL A) REVISED EDITION OF THIS FORM APR 58  
 USAFETAC



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

33-72

DEC

PAGE 1 1500-1700

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	DB	WB	DB	WB		
64/63																																		1	1			
60/59																																		2	2			
58/57																																		4	4			
56/55																																		12	12	1		
54/53																																		11	11	6	3	
52/51																																		22	22	13	7	
50/49																																		34	34	22	12	
48/47																																		64	64	33	22	
46/45																																		90	92	69	46	
44/43																																		100	100	104	56	
42/41																																		124	124	88	92	
40/39																																		123	124	124	76	
38/37																																		198	161	190	106	
36/35																																		145	149	172	149	
34/33																																		211	212	189	195	
32/31																																		154	156	204	181	
30/29																																		113	113	130	161	
28/27																																		82	82	103	119	
26/25																																		61	61	91	93	
24/23																																		27	27	49	80	
22/21																																		33	33	33	39	
20/19																																		22	22	24	49	
18/17																																		21	21	16	34	
16/15																																		9	11	17	20	
14/13																																		10	10	12	18	
12/11																																		3	3	3	9	
10/9																																					3	13
8/7																																					11	8
6/5																																					2	2
4/3																																					3	3
0/-1																																					3	3
TOTAL	12	402	116	6	3	7																													1666	1481	1666	1666

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	12028477	140488	84.2	10.428	1666	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	2291321	39999	33.7	8.088	1666			30.4				93
Wet Bulb	2026227	28088	34.6	7.088	1666			28.8				93
Dew Point	1732792	22096	31.2	6.021	1666		2	69.2				93

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

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY

33-97,72

DEC

PAGE 1 1800-2000

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	DB	WB	Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb		
58/ 37				.1	.1																															3	3			
56/ 35			.2	.1	.1																															7	7			
54/ 33			.3	.1	.1																															8	8		4	
52/ 31			.4	.1	.1																																12	12		6
50/ 29			.5	.1	.1																																17	17		5
48/ 27		.2	1.0	.9	.1																																41	41		18
46/ 25	1.7	2.5	1.0	.6	.2																																70	70		42
44/ 23	1.4	4.4	1.9	.9	.2																																95	95		59
42/ 21	.6	3.5	1.9	.9	.2																																97	97		65
40/ 19	1.1	4.7	1.9	.9	.2																																93	93		92
38/ 17	1.9	7.3	1.4	.4	.1																																133	133		106
36/ 15	3.2	9.6	1.0	.6	.2																																127	127		139
34/ 13	3.2	7.8	.8	.6	.2																																158	158		146
32/ 11	3.7	7.8	.8	.5	.1																																169	169		147
30/ 09	1.6	4.7	.5	.5	.1																																94	94		124
28/ 07	1.4	2.7	.5	.5	.1																																65	65		113
26/ 05	2.2	2.3																																			62	62		79
24/ 03	.7	1.7																																		34	34		81	
22/ 01	1.0	1.5																																		35	35		41	
20/ 00	.8	1.6																																		19	20		33	
18/ 00	.4	1.6																																		19	19		32	
16/ 00	.4	1.4																																		6	7		26	
14/ 00	.1	1.5																																		9	9		12	
12/ 00	.1	1.4																																		13	13		5	
10/ 00	.2	1.3																																		7	7		13	
8/ 00																																							13	
6/ 00																																							8	
4/ 00																																							5	
2/ 00																																							3	
0/ 00																																							3	
TOTAL	23.9	64.4	8.3	1.3	.1																																1393	1393		1393

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	10*12680	122718	88.1	8.237	1393	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	174090	48290	34.7	8.278	1393			38.0				94
Wet Bulb	1652778	46690	33.5	7.944	1393			41.2				94
Dew Point	1488788	43824	31.5	8.748	1393	.2	67.7					94

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

DATA PROCESSING BRANCH  
 USAF STAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 S-MBRACH AB GERMANY

33-07

EC

PAGE 1 2100-2300

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	DB, WB, CW, B	WB, B, CW, F	
55				.2	.1																											7	7	
54				.1	.1																											4	4	
52				.1	.1																											9	9	
50				.1	.1																											24	24	
48				.1	.1																											35	35	
46				.1	.1																											56	56	
44				.1	.1																											87	87	
42				.1	.1																											87	87	
40				.1	.1																											87	87	
38				.1	.1																											96	96	
36				.1	.1																											111	111	
35				.1	.1																											138	138	
34				.1	.1																											167	167	
32				.1	.1																											181	181	
30				.1	.1																											100	100	
28				.1	.1																											71	71	
26				.1	.1																											52	52	
24				.1	.1																											45	45	
22				.1	.1																											46	46	
20				.1	.1																											31	31	
18				.1	.1																											14	14	
16				.1	.1																											11	11	
14				.1	.1																											7	7	
12				.1	.1																											17	17	
10				.1	.1																											8	8	
8				.1	.1																											3	3	
6				.1	.1																											2	2	
4				.1	.1																											1	1	
2				.1	.1																											1	1	
TOTAL				31.2	261.4	6.5	.6	.1																							1392	1395	1392	1392

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	11201741	126299	89.4	7.797	1392							
Dry Bulb	1698098	47214	33.8	8.478	1392		39.2					39
Wet Bulb	1594668	45748	32.9	8.104	1392		42.4					33
Dew Point	1448684	42208	31.0	8.804	1392		50.2					33

FORM 0-26-5 (OL A) REVISION 10-64  
 USAFETAC

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY

53-72

REF	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN S.D. TOTAL OBS	30.0 9.169 1395	31.5 10.427 1272	36.7 8.007 1395	43.0 7.064 1350	48.8 6.460 1401	55.0 5.663 1350	57.8 5.830 1329	56.8 5.442 1372	53.1 5.982 1453	46.0 6.667 1423	38.1 6.806 1349	33.5 8.666 1395	44.3 12.197 16884
03-05	MEAN S.D. TOTAL OBS	29.5 9.385 1467	30.7 10.678 1335	35.1 7.941 1477	40.9 6.933 1426	46.5 6.520 1477	52.6 5.324 1420	55.3 5.605 1590	54.8 5.243 1681	51.2 6.063 1512	44.7 7.084 1519	37.6 6.964 1443	33.0 8.889 1490	43.0 11.748 17787
06-08	MEAN S.D. TOTAL OBS	29.4 9.384 1630	30.2 10.468 1466	34.4 8.111 1633	41.2 6.937 1588	48.6 6.544 1627	53.2 5.732 1573	57.6 5.858 1712	55.8 5.331 1762	51.0 6.273 1677	44.2 7.331 1715	37.3 7.030 1623	32.6 8.743 1682	43.4 12.417 19692
09-11	MEAN S.D. TOTAL OBS	30.2 9.198 1640	31.9 10.117 1460	38.8 8.861 1637	47.5 7.897 1583	53.6 7.321 1637	61.8 7.101 1578	64.4 7.315 1719	62.6 6.802 1736	58.0 6.473 1682	48.7 6.976 1718	39.2 7.022 1634	33.3 8.669 1686	47.9 14.477 19730
12-14	MEAN S.D. TOTAL OBS	33.0 8.383 1650	36.2 9.667 1468	43.7 8.930 1630	52.0 8.732 1581	59.6 8.292 1633	63.4 8.015 1567	68.3 8.373 1713	67.3 7.446 1736	63.1 7.177 1681	54.0 7.174 1720	42.4 7.400 1619	33.7 8.294 1687	52.0 13.033 19707
15-17	MEAN S.D. TOTAL OBS	33.4 8.114 1634	37.2 9.472 1463	45.1 9.120 1643	53.3 9.042 1583	60.9 8.397 1630	66.3 8.210 1568	69.8 8.384 1708	68.4 7.803 1733	64.1 7.633 1677	54.4 7.339 1713	42.3 7.181 1622	33.7 8.083 1681	52.4 13.332 19679
18-20	MEAN S.D. TOTAL OBS	31.3 8.504 1395	34.6 9.401 1273	42.2 8.448 1399	50.3 8.480 1351	58.0 7.987 1400	64.4 7.684 1359	67.1 8.142 1333	64.9 7.187 1377	59.9 7.076 1446	50.2 6.898 1448	39.9 6.633 1350	34.7 8.278 1393	50.3 14.782 16928
21-23	MEAN S.D. TOTAL OBS	30.4 9.038 1395	32.6 9.711 1270	38.8 7.860 1395	46.0 7.293 1350	52.3 6.637 1399	58.7 6.172 1350	61.2 6.423 1333	59.4 5.673 1370	53.4 6.080 1448	47.4 6.603 1442	38.7 6.648 1349	33.8 8.473 1393	46.6 12.983 16896
ALL HOURS	MEAN S.D. TOTAL OBS	31.0 9.019 12204	33.1 10.308 11009	39.4 9.304 12211	46.9 9.103 11814	53.6 8.993 12206	60.1 8.493 11768	62.8 8.793 13037	61.4 8.171 13377	57.1 8.223 12376	48.6 7.939 12700	39.3 7.233 11991	34.1 8.362 12411	47.6 14.202 147303

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-BULD TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY

53-72

HR	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN S D TOTAL OBS	28.9 8.775 1395	30.1 9.921 1270	34.7 7.517 1389	40.3 6.460 1220	46.1 5.877 1397	52.1 5.143 1349	54.8 5.028 1329	54.4 4.819 1371	51.1 5.342 1432	44.6 6.317 1421	36.9 6.495 1349	32.6 8.291 1389	42.6 11.451 16862
03-05	MEAN S D TOTAL OBS	28.5 8.968 1461	29.4 10.183 1332	33.3 7.624 1470	38.9 6.523 1424	44.6 6.081 1467	50.6 5.280 1412	53.4 5.140 1390	53.1 4.944 1629	49.8 5.730 1310	43.3 6.778 1310	36.4 6.630 1432	32.1 8.314 1472	41.4 11.282 17710
06-08	MEAN S D TOTAL OBS	28.4 9.047 1612	29.1 10.055 1457	33.0 7.789 1621	39.2 6.528 1582	46.3 5.984 1612	52.4 5.207 1558	54.8 5.122 1702	53.8 4.974 1758	49.6 5.877 1668	43.1 7.038 1697	36.2 6.648 1596	31.7 8.350 1642	41.7 11.740 19509
09-11	MEAN S D TOTAL OBS	29.1 8.862 1628	30.4 9.609 1481	36.1 7.773 1624	43.1 6.448 1582	50.0 5.892 1626	55.4 5.433 1577	57.9 5.342 1718	57.5 4.766 1752	53.8 5.203 1680	46.4 6.330 1707	37.6 6.493 1608	32.2 8.243 1634	44.4 12.421 19630
12-14	MEAN S D TOTAL OBS	31.4 8.002 1647	33.5 8.842 1462	39.0 7.492 1620	45.2 6.471 1581	51.7 6.049 1622	56.8 5.468 1567	59.2 5.432 1712	59.0 5.019 1736	56.1 5.281 1681	49.4 6.007 1717	39.8 6.467 1611	34.0 7.778 1668	46.2 12.016 19972
15-17	MEAN S D TOTAL OBS	31.6 7.724 1622	34.1 8.570 1462	39.7 7.392 1643	45.8 6.391 1582	52.1 5.884 1627	57.1 5.319 1568	59.7 5.284 1702	59.2 4.960 1732	56.4 5.332 1677	49.4 6.063 1711	39.8 6.389 1616	34.0 7.639 1666	46.8 11.967 19647
18-20	MEAN S D TOTAL OBS	30.1 8.188 1292	32.4 8.863 1272	38.3 7.379 1399	44.6 6.430 1221	50.8 5.771 1297	56.4 5.132 1259	58.9 5.300 1222	58.2 4.936 1277	54.9 5.467 1446	47.4 6.118 1447	38.2 6.297 1230	32.5 7.944 1292	45.7 12.128 16922
21-23	MEAN S D TOTAL OBS	29.2 8.684 1292	30.9 9.207 1270	36.2 7.310 1394	42.3 6.320 1220	48.2 5.770 1292	54.2 5.079 1250	56.6 5.019 1222	53.9 4.774 1270	52.2 5.441 1446	45.4 6.230 1442	37.4 6.331 1349	32.9 8.104 1292	45.4 11.722 16886
ALL HOURS	MEAN S D TOTAL OBS	29.7 8.678 12162	31.3 9.582 10922	36.2 7.907 12180	42.3 6.347 11802	48.2 6.493 12169	54.4 5.742 11741	57.0 5.690 12027	56.4 5.407 12268	53.1 6.034 12268	46.3 6.788 12622	37.8 6.609 11911	32.9 8.124 12276	44.2 12.022 14682

DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEWPOINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34050 SEMBACH AB GERMANY

53-72

HR	MEAN	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	26.5 S D TOTAL OBS	27.1 9,629 1399	27.1 11,069 1270	31.5 8,493 1389	37.2 7,187 1390	43.4 6,445 1397	49.9 5,767 1349	52.6 5,453 1529	52.7 5,050 1571	49.5 5,974 1432	43.3 6,602 1421	33.3 6,842 1349	30.8 8,947 1389	40.3 12,028 16862
03-05	26.2 S D TOTAL OBS	26.8 9,628 1461	30.7 11,175 1332	36.4 8,561 1470	42.7 7,160 1424	48.9 6,386 1407	51.7 5,719 1412	51.7 5,452 1590	48.5 5,114 1629	42.4 5,988 1510	34.8 6,970 1510	30.3 6,948 1432	39.0 8,979 1472	39.0 11,916 17710
06-08	26.2 S D TOTAL OBS	26.6 9,951 1612	30.4 10,998 1487	36.6 8,683 1621	44.0 7,135 1582	50.1 6,334 1615	52.7 5,697 1558	52.3 5,427 1702	48.4 5,093 1738	42.0 6,068 1668	34.5 7,253 1697	29.9 6,892 1596	39.7 8,968 1641	39.7 12,211 19508
09-11	26.7 S D TOTAL OBS	27.4 9,807 1628	32.1 10,695 1451	38.1 8,711 1624	45.1 7,285 1582	50.7 6,827 1696	53.5 6,249 1577	53.5 5,942 1718	50.8 5,194 1733	44.2 6,748 1680	35.5 6,733 1707	30.2 6,715 1608	41.0 8,863 1654	41.0 12,378 19680
12-14	28.2 S D TOTAL OBS	29.0 9,284 1647	32.8 10,231 1468	38.0 8,765 1620	44.8 7,714 1581	50.5 6,396 1625	53.0 6,270 1567	53.3 5,370 1712	50.9 5,739 1736	45.3 6,335 1681	36.7 6,916 1717	31.2 6,788 1611	41.4 8,656 1668	41.4 11,936 19071
15-17	28.2 S D TOTAL OBS	29.2 9,064 1622	32.7 10,055 1462	38.0 8,742 1643	44.5 7,791 1585	50.3 6,967 1627	52.9 6,392 1568	53.0 6,436 1708	50.8 5,848 1732	45.2 6,475 1677	36.7 7,111 1711	31.3 6,806 1616	41.3 8,621 1666	41.3 11,848 19647
18-20	27.3 S D TOTAL OBS	28.4 9,307 1292	32.9 10,369 1275	38.2 8,629 1399	44.6 7,700 1221	50.6 6,864 1297	53.4 6,175 1259	53.6 6,312 1322	51.2 5,709 1277	44.8 6,327 1446	36.1 6,772 1447	31.5 6,820 1330	41.4 8,745 1293	41.4 12,130 16922
21-23	26.8 S D TOTAL OBS	27.6 9,612 1292	32.3 10,502 1270	38.0 8,483 1394	44.5 7,281 1220	50.8 6,603 1295	53.2 5,820 1250	53.3 5,660 1322	50.3 5,231 1270	43.8 6,120 1448	35.5 6,727 1442	31.0 6,840 1349	41.0 8,804 1292	41.0 12,148 16886
ALL HOURS	27.0 S D TOTAL OBS	27.8 9,591 12102	31.9 10,678 10922	37.5 8,677 12180	44.2 7,645 11802	50.2 6,762 12109	52.9 6,070 11741	53.0 5,929 12027	50.1 5,480 12268	43.9 6,220 12302	35.7 7,000 12622	30.8 6,871 11911	40.7 8,233 12272	40.7 12,092 146822

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DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEWBACH AB GERMANY  
STATION STATION NAME

53-72

PERIOD

ALL  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LIST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90			
JAN	ALL	100.0	100.0	100.0	100.0	99.7	98.4	91.9	74.7	35.6	85.7	12162	
FEB		100.0	100.0	100.0	99.7	98.2	92.0	80.3	60.4	27.9	81.5	10982	
MAR		100.0	100.0	99.8	98.1	93.2	83.3	66.4	45.3	19.0	76.1	12180	
APR		100.0	99.9	99.1	95.0	86.1	73.8	58.5	39.9	17.3	72.6	11805	
MAY		100.0	100.0	99.5	95.5	85.3	73.0	57.5	39.3	17.7	72.5	12169	
JUN		100.0	100.0	99.6	95.9	87.3	73.3	57.2	39.6	17.3	72.7	11732	
JUL		100.0	100.0	99.1	95.5	86.5	73.6	57.9	39.7	18.4	72.8	13027	
AUG		100.0	100.0	99.7	97.8	91.3	79.6	65.4	48.1	24.1	76.4	13368	
SEP		100.0	100.0	99.8	98.2	94.1	85.1	72.6	55.8	30.4	79.5	12563	
OCT		100.0	100.0	99.9	99.6	98.0	93.5	85.1	67.9	39.5	84.4	12650	
NOV		100.0	100.0	100.0	100.0	99.6	98.0	92.8	78.7	40.3	86.6	11911	
DEC		100.0	100.0	100.0	100.0	99.8	99.1	95.2	82.8	45.3	88.0	12276	
TOTALS		100.0	100.0	99.7	97.9	92.3	85.3	73.6	56.0	27.7	79.1	146825	

DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY

54-72

JAN  
 1954

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	99.5	96.1	87.6	38.0	87.1	1395
	03-05	100.0	100.0	100.0	100.0	99.9	99.3	95.3	81.7	41.3	87.7	1461
	06-08	100.0	100.0	100.0	100.0	99.8	99.3	96.5	84.8	43.0	88.2	1611
	09-11	100.0	100.0	100.0	100.0	99.7	99.0	95.4	79.9	38.5	87.0	1628
	12-14	100.0	100.0	100.0	99.8	99.3	96.6	84.4	63.1	28.2	82.8	1647
	15-17	100.0	100.0	100.0	99.8	99.3	95.8	81.7	59.3	27.3	81.9	1632
	18-20	100.0	100.0	100.0	100.0	99.9	98.5	91.4	69.7	31.7	84.7	1395
	21-23	100.0	100.0	100.0	100.0	100.0	99.0	94.5	78.2	36.6	86.4	1393
TOTALS		100.0	100.0	100.0	100.0	99.7	98.4	91.9	74.7	35.6	85.7	12162



DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/AC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY  
STATION

54-72  
PERIOD

FEB  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

MONTH	HOURS INT	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBS
		10	20	30	40	50	60	70	80	90		
FEB	00-02	100.0	100.0	100.0	99.8	99.1	96.9	88.7	69.3	35.3	84.4	1270
	03-05	100.0	100.0	100.0	100.0	99.5	98.2	91.9	73.6	38.4	85.7	1332
	06-08	100.0	100.0	100.0	100.0	99.8	98.9	94.2	78.5	41.0	86.6	1457
	09-11	100.0	100.0	100.0	99.8	99.2	96.6	87.3	68.8	32.3	84.0	1451
	12-14	100.0	100.0	99.9	99.5	97.3	88.4	63.8	43.3	15.6	76.1	1465
	15-17	100.0	100.0	99.9	99.5	94.8	80.4	57.5	35.9	12.7	73.8	1462
	18-20	100.0	100.0	100.0	99.5	97.4	91.6	74.7	49.2	20.2	78.9	1275
	21-23	100.0	100.0	100.0	99.7	98.7	94.0	84.3	64.4	27.2	82.4	1270
TOTALS		100.0	100.0	100.0	99.7	98.2	92.8	80.3	60.4	27.9	81.5	10982

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY  
STATION

54-72

PERIOD

MAR  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OBS
		10	20	30	40	50	60	70	80	90		
MAR	00-02	100.0	100.0	100.0	99.9	99.1	95.5	82.5	58.8	24.0	81.7	1389
	03-05	100.0	100.0	100.0	100.0	99.7	97.3	88.1	68.7	33.5	84.3	1470
	06-08	100.0	100.0	100.0	100.0	99.8	98.1	90.9	73.5	38.2	85.6	1621
	09-11	100.0	100.0	100.0	99.8	97.2	88.7	71.2	47.9	17.7	77.8	1634
	12-14	100.0	100.0	99.7	95.8	83.3	64.5	41.9	23.5	6.6	67.2	1630
	15-17	100.0	100.0	99.0	91.4	77.8	55.1	35.3	19.1	6.9	64.0	1643
	18-20	100.0	100.0	100.0	98.1	90.6	76.3	49.7	27.5	9.7	70.8	1399
	21-23	100.0	100.0	100.0	100.0	98.4	90.9	71.8	43.7	15.6	77.7	1394
TOTALS		100.0	100.0	99.8	98.1	93.2	83.3	66.4	43.3	19.0	76.1	12180



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DATA PROCESSING BRANCH  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY  
STATION STATION NAME

34-72

PERIOD

MAY  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
MAY	00-02	100.0	100.0	100.0	99.9	99.4	94.2	82.0	61.7	29.4	82.6	1397
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	91.5	77.5	45.1	87.2	1467
	06-08	100.0	100.0	100.0	99.8	99.6	98.0	90.0	68.7	32.1	84.5	1615
	09-11	100.0	100.0	99.9	98.2	89.2	70.5	48.1	24.3	6.8	69.2	1636
	12-14	100.0	100.0	98.8	89.7	68.9	46.0	26.4	12.5	3.2	60.1	1635
	15-17	100.0	100.0	97.9	84.2	61.2	38.7	21.1	11.4	3.1	57.1	1627
	18-20	100.0	99.9	99.4	92.4	75.3	53.8	33.9	18.0	5.7	63.3	1397
	21-23	100.0	100.0	100.0	99.7	96.4	84.0	66.7	40.2	15.8	75.9	1395
TOTALS		100.0	100.0	99.5	95.3	86.3	73.0	57.3	39.3	17.7	72.5	12169

DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34096 SEMBACH AB GERMANY  
STATION STATION NAME

54-72

PERIOD JUN  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JUN	00-02	100.0	100.0	100.0	100.0	99.3	95.8	86.1	65.4	30.0	83.5	1349
	03-05	100.0	100.0	100.0	100.0	99.9	98.5	94.0	80.8	45.0	87.7	1413
	06-08	100.0	100.0	100.0	100.0	99.8	96.9	86.7	65.6	29.0	83.5	1556
	09-11	100.0	100.0	100.0	98.3	89.7	69.6	44.0	22.1	6.1	68.6	1576
	12-14	100.0	99.9	99.6	90.6	71.7	48.1	25.1	13.6	2.7	60.5	1566
	15-17	100.0	100.0	98.1	86.6	65.0	40.8	23.4	12.3	3.1	58.2	1565
	18-20	100.0	100.0	99.4	91.4	76.1	53.8	30.9	16.8	6.9	63.2	1358
	21-23	100.0	100.0	100.0	99.9	96.7	85.6	67.0	40.1	15.6	76.2	1349
<b>TOTALS</b>		<b>100.0</b>	<b>100.0</b>	<b>99.6</b>	<b>93.9</b>	<b>87.3</b>	<b>73.3</b>	<b>57.2</b>	<b>39.6</b>	<b>17.3</b>	<b>72.7</b>	<b>11732</b>

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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY  
STATION STATION NAME

59-72

PERIOD

JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	99.9	99.1	96.0	86.2	62.9	30.7	89.4	1529
	03-05	100.0	100.0	100.0	100.0	100.0	98.9	93.8	77.7	43.3	87.4	1590
	06-08	100.0	100.0	100.0	100.0	99.9	97.8	88.5	67.9	32.3	84.5	1709
	09-11	100.0	100.0	99.9	98.2	90.1	71.9	46.4	23.3	8.0	69.3	1718
	12-14	100.0	100.0	97.4	89.7	69.6	44.1	24.9	12.1	4.0	59.8	1719
	15-17	100.0	100.0	96.8	85.3	61.8	38.4	22.1	12.1	3.9	57.5	1708
	18-20	100.0	100.0	98.5	91.0	76.3	53.5	35.5	20.0	6.9	63.9	1539
	21-23	100.0	100.0	100.0	99.5	93.4	86.1	66.0	41.6	17.9	76.4	1538
TOTALS		100.0	100.0	99.1	93.5	86.5	73.6	57.9	39.7	18.4	72.8	13027

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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34086 SEMBACH AB GERMANY  
STATION STATION NAME

53-72

PERIOD

AUG  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10	20	30	40	50	60	70	80	90		
AUG	00-02	100.0	100.0	100.0	100.0	99.7	99.0	98.1	75.7	40.1	86.7	1971
	03-05	100.0	100.0	100.0	100.0	99.9	99.4	96.9	84.8	53.4	89.6	1629
	06-08	100.0	100.0	100.0	100.0	99.9	99.2	95.8	81.9	47.3	88.3	1758
	09-11	100.0	100.0	100.0	99.2	96.0	82.4	60.3	35.0	11.2	73.9	1755
	12-14	100.0	100.0	99.4	95.0	79.1	51.4	27.4	14.3	4.2	62.7	1756
	15-17	100.0	99.9	98.5	91.5	70.0	48.1	24.3	13.1	4.5	60.0	1752
	18-20	100.0	100.0	99.8	97.0	86.4	67.0	48.0	24.3	8.7	68.6	1877
	21-23	100.0	100.0	100.0	99.8	99.3	98.0	80.0	55.9	23.1	81.2	1970
TOTALS		100.0	100.0	99.7	97.8	91.3	79.6	68.4	48.1	24.1	76.4	13368

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DATA PROCESSING BRANCH  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

### RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY  
STATION STATION NAME

53-72

PERIOD

SEP  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
SEP	00-02	100.0	100.0	100.0	100.0	99.7	98.1	92.2	79.6	47.7	87.9	1453
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	97.5	87.9	58.7	90.7	1510
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	97.4	88.1	58.7	90.7	1668
	09-11	100.0	100.0	100.0	99.3	96.3	88.9	73.8	47.4	18.8	78.2	1680
	12-14	100.0	100.0	99.6	96.0	84.7	61.7	38.0	18.8	6.2	66.0	1681
	15-17	100.0	100.0	99.0	92.8	81.3	53.6	33.2	17.2	6.0	63.9	1677
	18-20	100.0	100.0	99.8	97.6	92.4	82.7	63.1	38.3	14.2	74.3	1446
	21-23	100.0	100.0	100.0	99.7	97.9	94.4	83.9	69.1	32.9	84.0	1446
TOTALS		100.0	100.0	99.8	98.2	94.1	83.1	72.6	33.8	30.4	79.5	12563







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DATA PROCESSING BRANCH  
ETAC/USAP  
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34086 SEMBACH AB GERMANY  
STATION STATION NAME

53-72

PERIOD

DEC  
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS -LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10	20	30	40	50	60	70	80	90		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	99.4	97.8	88.3	51.9	89.7	1389
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	97.8	88.5	52.2	89.7	1472
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.9	88.1	50.6	89.6	1642
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	97.1	84.3	47.0	88.5	1654
	12-14	100.0	100.0	100.0	99.9	99.3	97.8	88.1	70.0	34.7	84.4	1668
	15-17	100.0	100.0	100.0	99.8	99.2	97.5	88.1	70.3	31.0	84.3	1666
	18-20	100.0	100.0	100.0	99.9	99.9	99.1	96.2	83.3	44.2	88.1	1393
	21-23	100.0	100.0	100.0	100.0	99.9	99.6	98.3	87.3	50.8	89.4	1392
TOTALS		100.0	100.0	100.0	100.0	99.8	99.1	95.2	82.5	45.3	88.0	12276

U S AIR FORCE  
 ENVIRONMENTAL TECHNICAL  
 APPLICATIONS CENTER

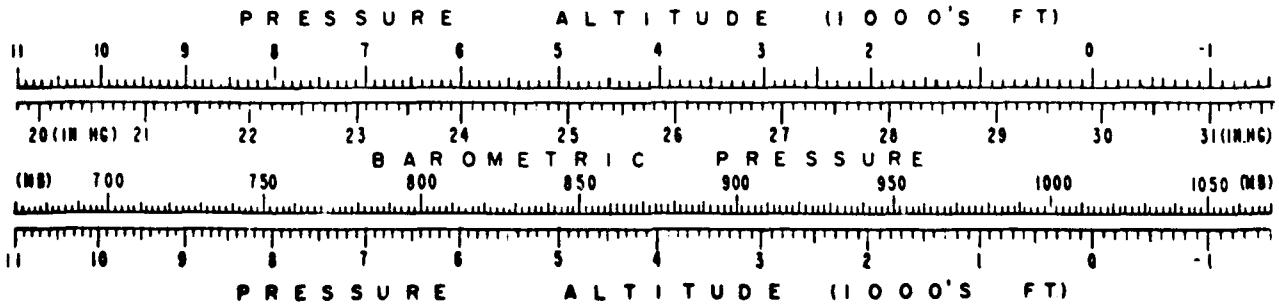
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
 Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
 METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

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.



F

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/440

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY 52-63,64-72

	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN .303 403	.282 339	.250 269	.230 227	.178 161	.202 159	.228 146	.204 157	.209 166	.210 242	.217 277	.214 346	28.269 .244 4902
04	MEAN .299 403	.343 367	.269 403	.227 390	.161 405	.162 390	.147 424	.161 462	.167 417	.167 412	.243 390	.278 432	28.259 .245 4895
07	MEAN .305 433	.338 420	.267 474	.227 467	.168 481	.161 463	.153 487	.159 527	.171 501	.171 510	.240 484	.263 529	28.262 .248 5836
10	MEAN .302 481	.344 431	.271 484	.221 472	.170 482	.160 467	.154 489	.158 524	.173 498	.173 512	.241 486	.284 523	28.277 .249 5832
13	MEAN .301 488	.343 420	.270 477	.229 467	.169 480	.158 460	.152 483	.154 522	.170 497	.170 508	.239 479	.283 526	28.256 .247 5818
16	MEAN .299 484	.334 420	.266 487	.228 488	.163 484	.157 464	.147 484	.152 519	.167 499	.167 512	.234 480	.278 528	28.251 .244 5829
19	MEAN .296 402	.340 388	.267 404	.223 390	.160 404	.156 392	.148 422	.153 482	.163 421	.163 422	.236 390	.282 433	28.257 .242 4915
22	MEAN .297 402	.341 388	.267 402	.228 390	.161 402	.156 390	.144 422	.162 481	.168 422	.168 419	.241 389	.284 433	28.271 .244 4907
ALL HOURS	MEAN .300 3544	.340 3189	.268 3239	.228 3422	.166 3543	.159 3416	.149 3641	.157 3643	.169 3679	.169 3708	.239 3488	.281 3842	28.264 .246 42964

DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY

53-67,71-72

	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN 11.22	11.20	11.03	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
	TOTAL OBS	432	395	434	422	434	422	434	434	420	435	420	463
04	MEAN 11.19	11.18	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030
	TOTAL OBS	432	395	434	422	434	422	434	434	420	435	420	463
07	MEAN 11.21	11.21	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
	TOTAL OBS	432	395	434	422	434	422	434	434	420	441	438	466
10	MEAN 11.18	11.18	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
	TOTAL OBS	432	395	434	422	434	422	434	434	420	443	438	467
13	MEAN 11.19	11.19	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
	TOTAL OBS	432	395	434	422	434	422	434	434	420	439	438	465
16	MEAN 11.08	11.08	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
	TOTAL OBS	432	395	434	422	434	422	434	434	420	440	438	466
19	MEAN 11.12	11.12	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
	TOTAL OBS	432	395	434	422	434	421	434	434	421	436	420	464
22	MEAN 11.19	11.19	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
	TOTAL OBS	432	394	434	420	434	420	434	434	420	432	419	464
ALL HOURS	MEAN 11.13	11.13	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01	11.01
	S.D.	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031
	TOTAL OBS	3461	3157	3472	3260	3472	3263	3471	3472	3261	3204	3431	3718

END

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