

PHOTOGRAPH THIS SHEET

ADA 083307

DTIC ACCESSION NUMBER



LEVEL

ATTENTION:  
Camera Operator  
When Filming attached document  
use Bell & Howell camera ONLY!!!

Consult with Supervisor for  
further instructions.



INVENTORY

USAFETAC/DS-80/034  
DOCUMENT IDENTIFICATION

DISTRIBUTION STATEMENT A  
Approved for public release;  
Distribution Unlimited

DISTRIBUTION STATEMENT

ACCESSION FOR	
NTIS	GRA&I <input checked="" type="checkbox"/>
DTIC	TAB <input type="checkbox"/>
UNANNOUNCED	<input type="checkbox"/>
JUSTIFICATION	
BY	
DISTRIBUTION /	
AVAILABILITY CODES	
DIST	AVAIL AND/OR SPECIAL
A	

DISTRIBUTION STAMP

DTIC  
ELECTE  
S APR 23 1980 D  
D

DATE ACCESSIONED

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

USAFETAC/DS-80/034

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

REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

BAUMHOLDER GERMANY AAF                      WBAN# 34077  
N 49 39 E 007 18 ELEV: 1408 EDEK      WMO#

PARTS A-F

POR FROM HOURLY OBS    FEB 65-DEC 70  
POR FROM DAILY OBS    FEB-APR 65, JUL-NOV 65,  
FEB 66-DEC 70

FEB 07 1972

FEDERAL BUILDING  
ASHEVILLE, N. C.

THIS DOCUMENT HAS BEEN APPROVED  
FOR PUBLIC RELEASE AND SALE; ITS  
DISTRIBUTION IS UNLIMITED.

*336 PAGES*

ADA083307

80 4 22 053

559-4820/5

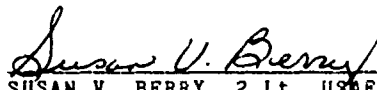
## **DISCLAIMER NOTICE**

**THIS DOCUMENT IS BEST QUALITY PRACTICABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.**


Review and Approval Statement

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

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

  
SUSAN V. BERRY, 2 Lt, USAF  
Information Retrieval  
Manager

FOR THE COMMANDER

  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

1087-02

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER	2 GOVT ACCESSION NO	3 RECIPIENT'S CATALOG NUMBER
USAFETAC/DS- 80/034		
4 TITLE (and Subtitle)		5 TYPE OF REPORT & PERIOD COVERED
Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Baumholder AAF, Saarbrucken, GERMANY		Final rept.
7 AUTHOR(s)		6 PERFORMING ORG REPORT NUMBER
		8 CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS		10 PROGRAM ELEMENT PROJECT TASK AREA & WORK UNIT NUMBERS
USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		
11 CONTROLLING OFFICE NAME AND ADDRESS		12 REPORT DATE
USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		7 Feb 72
		13 NUMBER OF PAGES
		p.
14 MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15 SECURITY CLASS (of this report)
		UNCLASSIFIED
		15a DECLASSIFICATION DOWNGRADING SCHEDULE
16 DISTRIBUTION STATEMENT (of this Report)		
Approved for public release; distribution unlimited.		
17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)		
This report is a six-part statistical summary of surface weather observations for Baumholder AAF, Saarbrucken, GERMANY		
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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

\*GERMANY

\* BAUMHOLDER AAF, DL

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

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

DATA PROCESSING DIVISION  
USAFETAC OL-1  
AIR WEATHER SERVICE (MAC)

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

## HOURLY OBSERVATIONS

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

## DAILY OBSERVATIONS

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

## DESCRIPTION OF SUMMARIES

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

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

### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA **DATA NOT AVAILABLE**

### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

### PART C SURFACE WINDS

### PART D CEILING VERSUS VISIBILITY

SKYCOVER

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

**DATA NOT AVAILABLE**

EXTREME MAX & MIN TEMP

**DATA NOT AVAILABLE**

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: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

## MISSING HOUR GROUPS:

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

JANUARY 00-02, 21-23

APRIL 00-02, 21-23

JULY 00-02, 21-23

OCTOBER 00-02, 21-23

FEBRUARY 00-02, 21-23

MAY 00-02, 21-23

AUGUST

NOVEMBER 00-02, 21-23

MARCH 00-02, 21-23

JUNE

SEPTEMBER 00-02, 21-23

DECEMBER 00-02, 21-23

STATION NO ON SUMMARY 34077	STATION NAME BAUMHOLDER GERMANY AAF	LATITUDE N 49 39	LONGITUDE E 007 18	STATION ELEV (FT) 1408	CALL SIGN EDEX	WMO NUMBER
--------------------------------	--	---------------------	-----------------------	---------------------------	-------------------	------------

### 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)	HGT PIPE BAROMETER	
1	Baumholder Germany	AAF	Feb 65	Dec 70	N 49 39	E 007 18	1408	1433	12 to 14

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	Feb 65 to Sep 66	Located on top of tower.	AN/GMQ-11	None	50 ft	
2	Oct 66 to Nov 66	Located 500 ft ENE of tower.	No chge	None	13 ft	
3	Dec 66 to Feb 68	Located 600 ft E of tower.	No chge	None	No chge	
4	Mar 68 to Dec 70	Located 600 ft NE of station	No chge	None	No chge	



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

A

## PART A

## WEATHER CONDITIONS

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

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

Occurrences of 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 - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

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 total columns.

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-WEAN sources.)

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

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.

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077

BAUMHOLDER GERMANY AAF

65-70

LL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH:	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		10.4	2.4	14.1		26.6	70.7	45.6			90.4	1794
FEB			15.3	.6	14.7		29.7	52.2	48.4	.0		79.9	215
MAR		.1	14.2		10.6		23.5	35.7	51.0	.1		74.3	221
APR		.2	17.8	.1	3.0	.0	20.2	27.8	37.9			53.8	2242
MAY		.4	11.8		.0		11.8	18.0	31.0	.0		42.3	2339
JUN		.6	10.0				10.0	42.0	25.0			59.1	2415
JUL		.5	13.4				13.4	20.8	31.6			43.4	2345
AUG		1.2	27.3				27.3	37.0	22.6			53.3	2376
SEP		.2	9.9				9.9	32.4	37.0			56.1	2276
OCT			12.6			.1	12.7	49.3	44.7			77.1	2317
NOV			16.9	1.5	12.7		30.4	55.9	36.8			78.4	2093
DEC			24.0	1.2	12.9		36.9	68.2	34.9			87.6	1949
TOTALS		.3	15.3	.5	5.7	.0	21.0	42.5	37.2	.0		66.3	26493

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077      BAUMHOLDER GERMANY AAF      66-70  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02												
	03-05		11.0	2.5	12.7		26.3	83.9	33.9			93.8	113
	06-08		13.7	2.2	13.2		28.9	78.5	33.3			30.7	419
	09-11		13.5	3.0	16.6		32.6	67.8	33.8			84.0	429
	12-14		11.9	1.9	15.6		28.9	52.0	43.6			82.8	429
	15-17		3.9	1.1	12.4		22.4	62.6	46.3			88.2	390
	18-20		3.4	3.4	13.8		20.7	79.3	82.8			100.0	29
	21-23												
TOTALS			10.4	2.4	14.1		26.6	70.7	45.6			90.4	1794

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

34077 BAUMHOLDER GERMANY AAF 65-70  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02												
	03-05		19.6	.7	17.0		34.6	71.2	37.9			85.6	153
	06-08		18.0	1.0	17.6		35.3	68.0	38.2			85.7	474
	09-11		15.4	1.4	18.1		34.0	49.6	40.7			77.1	486
	12-14		17.3	.8	14.3		32.1	36.9	40.5			57.9	474
	15-17		12.8	.9	13.5		28.1	33.8	45.4	.2		68.4	452
	18-20		8.9		5.4		14.3	51.8	87.5			94.5	56
	21-23												
TOTALS			15.9	.8	14.7		29.9	52.2	48.4	.0		79.9	2123

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077 BAUMHOLDER GERMANY AAF 65-70  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02												
	03-05		14.5		12.7		26.7	75.8	47.9	.6		93.9	165
	06-08		15.1		11.4		25.8	55.8	48.8			84.1	510
	09-11		15.4		9.9		23.6	29.2	48.1			70.0	513
	12-14		12.8		8.7		20.5	18.2	42.0			56.9	493
	15-17	.4	16.3		9.3		21.9	15.6	43.5			55.4	452
	18-20		12.9		11.3		22.6	19.4	75.8			85.5	62
	21-23												
TOTALS		.1	14.2		10.6		23.5	35.7	51.0	.1		74.3	2201

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077 BAUMHOLDER GERMANY AAF 65-70  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02												
	03-05		15.4		3.6		18.3	56.8	42.6			73.4	159
	06-08		15.8	.2	4.8		19.9	43.6	39.8			62.3	515
	09-11		17.3	.6	3.7		20.0	17.9	36.0			47.7	319
	12-14	.8	19.7		3.6		22.5	12.4	26.7			37.1	493
	15-17	.6	20.3		2.5	.2	22.0	14.2	25.5			35.7	478
	18-20		18.3				18.3	21.7	56.7			65.7	60
	21-23												
TOTALS		.2	17.8	.1	3.0	.0	20.2	27.8	37.9			53.8	2242

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077      BAUMHOLDER GERMANY AAF      65-70  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02												
	03-05		17.4				17.4	48.9	38.5			65.7	176
	06-08		12.9				12.9	31.6	38.1			58.5	375
	09-11	.6	10.6				10.6	11.9	29.5	.2		40.1	539
	12-14	.2	11.2				11.2	5.4	20.6			24.7	535
	15-17	1.3	10.4		.2		10.4	5.6	20.1			24.2	537
	18-20		8.1				8.1	4.8	38.7			40.3	52
	21-23												
TOTALS		.4	11.8		.0		11.8	13.0	31.0	.0		42.3	2339



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077 BAUMHOLDER GERMANY AAF 65-70  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02							100.0				100.0	3
	03-05		12.7				12.7	54.7	40.9			66.9	191
	06-08	.2	13.3				13.3	37.0	40.4			60.7	540
	09-11	.6	13.3				13.3	14.1	31.1			40.6	540
	12-14	1.9	13.7				13.7	6.7	22.8			27.8	540
	15-17	2.0	13.5				13.5	6.7	21.3			26.7	540
	18-20		13.3				13.3	15.0	43.3			50.0	60
	21-23							100.0				100.0	2
TOTALS		.6	10.0				10.0	42.0	25.0			59.1	2406

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077      BAUMHOLDER GERMANY AAF      65-70      L  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02												
	03-05	.6	11.3				11.3	50.3	37.9			66.7	177
	06-08	.2	11.3				11.3	31.5	40.7			58.7	531
	09-11		13.4				13.4	11.9	29.2			36.7	501
	12-14	.4	11.9				11.9	7.7	20.3			25.7	322
	15-17	1.7	13.0				13.0	5.4	17.8			21.5	522
	18-20		19.4				19.4	17.7	43.5			51.6	62
	21-23												
TOTALS		.5	13.4				13.4	20.8	31.6			43.4	2345

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

**34077**      **BAUMHOLDER GERMANY AAF**      **65-70**  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02		100.0				100.0	100.0				100.0	3
	03-05	1.1	11.6				11.6	64.6	32.6			74.0	191
	06-08		10.8				10.8	44.6	33.8			64.0	576
	09-11	.4	10.1				10.1	13.6	31.5			41.5	537
	12-14	1.0	10.2				10.2	3.6	23.0			25.3	522
	15-17	4.0	12.5				12.5	6.5	19.5			25.3	522
	18-20	2.9	13.0				13.0	13.0	40.6			46.4	49
	21-23		50.0				50.0	50.0				50.0	6
TOTALS		1.2	27.5				27.3	37.0	22.6			53.3	2376

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94077 BAUMHOLDER GERMANY AAF 65-70  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02												2
	03-05		12.9				12.9	84.7	32.4			91.4	17
	06-08		13.6				13.6	68.1	40.3			84.	514
	09-11	.2	8.5				8.5	24.4	46.9			61.7	516
	12-14	.4	10.5				10.5	6.5	33.3			38.3	517
	15-17	.8	12.0				12.0	9.7	30.8			37.9	317
	18-20		11.7				11.7	33.3	75.0			80.0	60
	21-23												
TOTALS		.2	9.9				9.9	32.4	37.0			56.1	2276

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**WEATHER CONDITIONS**

34077 BAUMHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRCP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05		13.1			.6	13.7	78.9	31.4			90.3	175
	06-08		13.7			.2	13.7	69.4	33.6			82.9	533
	09-11		10.9				10.9	40.4	41.4			71.2	534
	12-14		10.5				10.5	25.0	37.9			58.6	512
	15-17		11.2				11.2	25.3	43.1			61.1	501
	18-20		16.1				16.1	56.5	80.6			96.4	52
	21-23												
TOTALS			12.6			.1	12.7	49.3	44.7			77.1	2317

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077 BAUMHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02												
	03-05		17.5		11.3		28.1	66.3	25.6			31.3	14
	06-08		17.4	.6	10.5		28.1	68.9	25.7			61.0	455
	09-11		16.2	1.2	13.3		29.5	57.8	32.5			77.1	495
	12-14		15.1	1.9	10.9		26.9	43.5	35.8			69.3	449
	15-17		17.8	1.6	9.2		28.1	47.0	39.1			71.2	445
	18-20		17.2	3.4	20.7		41.4	51.7	62.1			69.7	29
	21-23												
TOTALS			16.9	1.5	12.7		30.4	55.9	36.8			73.4	2093

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34077      BAUMHOLDER GERMANY AAF      69-70  
 STATION      STATION NAME      YEARS      MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02												
	03-05		15.3	.8	16.9		31.5	66.1	37.1			87.0	124
	06-08		15.8	1.7	17.9		33.5	71.4	32.3			88.0	450
	09-11		17.4	3.7	16.0		35.7	66.2	29.9			84.2	420
	12-14		21.8	.2	14.2		34.9	56.2	36.9			82.4	48
	15-17		21.7	1.0	12.5		33.9	67.9	32.4			86.7	392
	18-20		51.9				51.9	81.5	40.7			96.3	27
	21-23												
TOTALS			247.0	1.2	12.9		36.9	68.2	34.9			87.6	1949

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

34077  
 STATION

BAUMHOLDER GERMANY AAF  
 STATION NAME

65-70  
 YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	.06-10	11-25	.26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-13.4	13.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-4	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	23.6	12.9	3.2	32.3	6.5	9.7	6.5	3.2						61.3	31	2.12	2.12	2.12	
FEB	21.4	28.6	10.7	28.0	3.6	10.7								50.0	28	.81	.81	.81	
MAR	19.4	16.1	12.4	16.1	9.7	14.5	4.8	8.1						64.5	62	3.38	3.84	2.91	
APR	30.0	8.3	8.3	10.0	7.5	21.7	12.5	1.7						61.7	120	3.04	4.19	2.68	
MAY	41.9	11.8	4.8	17.7	3.2	8.1	4.8	6.5	1.6					46.5	62	2.88	2.84	1.92	
JUN	39.2	11.7	2.7	11.7	10.0	10.0	9.2	3.0	.8					49.2	120	3.06	4.19	2.00	
JUL	33.5	6.6	7.5	12.9	7.5	11.8	8.6	3.4	2.2					53.9	93	4.14	5.19	2.85	
AUG	41.1	7.8	5.9	13.7	6.5	10.5	7.8	3.6	2.4					51.6	124	3.90	7.42	1.34	
SEP	46.7	6.7	3.6	10.0	4.4	10.0	11.1	3.2	2.2					46.7	90	3.40	4.89	1.61	
OCT	56.5	4.0	4.0	10.1	3.2	8.9	4.8	.8	.8					39.5	124	1.55	3.78	1.14	
NOV	21.7	1.7		21.7	11.7	23.0	6.7	11.7						75.7	65	4.93	6.23	2.65	
DEC																			
ANNUAL	34.8	10.7	3.8	17.0	6.7	12.8	6.9	4.7	.9					54.9	914	3.23			

DATA PROCESSING DIVISION  
 USAP STAC  
 AIR WEATHER SERVICE/HAC

**EXTREME VALUES**

PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

14077 STATION BAUMHOLDER GERMANY AAF STATION NAME 68-70 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
65		.17	.75	.30			.96	.22	.89	.19	.94		
66				.28	.89	.71	1.02	.89	.18	1.02	.78		
67	.92		.68	.62	1.06	.92	1.74	.89	1.44				
68						1.27		1.04		.21			
69						.87				.09			
70				.44									
MEAN	.18	.17	.78	.34	.98	.84	1.24	.89	.74	.80	.84		
S.D.													
TOTAL OBS.	21	21	62	124	68	100	98	129	90	124	60		914

USAP STAC FORM 0-10 (REV. 11-67)

DATA PROCESSING DIVISION  
 USAF BYAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

14077 SAUMHOLDB GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

24 HOUR AMOUNTS IN INCHES  
 /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
66		.78 25	.87 30									1.04 20	PRECIP DAYS
67		.49 27								.78 25	0	0	PRECIP DAYS
68	.16 19	.80 22	.60 24	.79 25	.59 30		1.01 20		.86 29		.29 28	.39 29	PRECIP DAYS
69	.64 29	.34 27	.61 28	1.39 22	1.77 29		1.30 29	1.29 29	.35 26		1.03 26	.31 29	PRECIP DAYS
70	.34 29	1.11 26	.55 27		1.84 26	.70 27	.48 19	.22 18	.43 22	.63 23	.98 16	.34 29	PRECIP DAYS
MEAN													
S.D.													
TOTAL OBS.													

DATA PROCESSING DIVISION  
 USAF HTAC  
 AIR WEATHER SERVICE/HAC

**DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

84077 BAUMHOLDER GERMANY AAF  
STATION STATION NAME

67-70  
YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-23	24-30	31-00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-21	22-36	37-48	49-60	61-120	OVER 120						
JAN	67.7	9.7	12.9	6.3	3.2									22.6	31	5.0	5.0	5.0	
FEB	75.0	14.2	10.7											10.7	28	.9	.9	.9	
MAR	77.4	19.4	3.2											3.2	31	.1	.1	.1	
APR	68.2	23.0		6.7										6.7	60	1.8	2.6	1.0	
MAY	96.8	3.2													31	TRACE	TRACE	TRACE	
JUN	99.2	.8													120	TRACE	TRACE	.0	
JUL	100.0														31	.0	.0	.0	
AUG	100.0														31	.0	.0	.0	
SEP	100.0														30	.0	.0	.0	
OCT	100.0														31	.0	.0	.0	
NOV																			
ANNUAL	80.2	7.8	8.7	1.8	.8									6.2	486	7.0			

DATA PROCESSING DIVISION  
 USAF STC  
 AIR WEATHER SERVICE/MAC

### EXTREME VALUES

SNOWFALL  
(FROM DAILY OBSERVATIONS)

36077 SAUMHOLDEN GERMANY AAF  
STATION STATION NAME

67-70  
YEARS

24 HOUR AMOUNTS IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
67	1.0	.4	.1	1.0	TRACE	.0	.0	.0	.0				
68						.0		.0		.0			
69				.1		.0				.0			
70				1.1		TRACE							
MEAN	1.00	.40	.10	1.00	TRACE	.00	.00	.00	.00	.00			
S.D.													
TOTAL OBS.	11	4	1	11	1	2	1	2	2	1			48

USAF STC FORM 48-2 (REV)

1

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

EXTREME VALUES

SNOWFALL  
 (FROM DAILY OBSERVATIONS)

24077 BAUMHOLDER GERMANY AAF  
STATION STATION NAME

67-70  
YEARS

24 HOUR AMOUNTS IN INCHES  
 /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB.	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
65		0	0	0			0	0	0	0	0		SNOWFALL DAYS
66		0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
67										28.0	0	0	SNOWFALL DAYS
68	1.8 19	2.8 21	1.0 25	2.3 26	7.3 30		0.0 30		0.0 29		1.7 28	3.0 30	SNOWFALL DAYS
69	2.9 29	3.4 27	1.8 24	1.0 23	3.0 30		0.0 29	0.0 29	0.0 29		3.2 27	3.7 29	SNOWFALL DAYS
70	4.8 29	8.2 28	6.0 27		2.0 27		0.0 25	0.0 26	0.0 24	0.0 26	1.1 23	3.0 24	SNOWFALL DAYS
MEAN													
TOTAL CM.													

1 DATA PROCESSING DIVISION  
 USAF: WTAC  
 AIR WEATHER SERVICE/MAC

### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

34077 BAUMHOLDER GERMANY AAF 65 67<sup>70</sup>  
 STATION STATION NAME YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	67.7		3.2	9.7	19.4									22.9	21			
FEB	79.0		10.7	10.7	1.0	1.0								25.0	56			
MAR	100.0														31			
APR	99.8	0.7													60			
MAY	100.0														31			
JUN	100.0														120			
JUL	100.0														21			
AUG	100.0														62			
SEP	100.0														30			
OCT	100.0														62			
NOV																		
DEC																		
ANNUAL	99.4	0.7	1.0	1.0	1.1	1.1								9.7	534			

DATA PROCESSING DIVISION  
 USAP: SYAC  
 ASD: WEATHER SERVICE/MAC

### EXTREME VALUES

SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

38077     BAUMHÖLDER, GERMANY AAF     65     67-70  
STATION    STATION NAME    YEARS

### DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
65		4				0	0	0	0				
67	3	0	0	0	0	0	0	0	0	0			
68						0		0		0			
69						0				0			
70				TRACE		0							
MEAN													
S. D.													
TOTAL OBS.													



DATA PROCESSING DIVISION  
 USAF AFPC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION 34077 BAUMHOLDBR GERMANY AAF 65 67-70 YEARS

DAILY SNOW DEPTH IN INCHES  
 /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
65			0	0			0	0	0	0	0		SNOW DPTH DAYS
66		0	0	0	0	0	0	0	0	0	0	0	SNOW DPTH DAYS
67										0	1	3	SNOW DPTH DAYS
68	10 20	1 23	1 26	0 27	0 30		0 30		0 29		0 28	2 30	6 SNOW DPTH DAYS
69	5 30	9 27	1 24	TRACE 26	0 30		0 29	0 29	0 29		0 28	3 29	7 SNOW DPTH DAYS
70	12 30	7 25	9 27		0 27		0 28	0 26	0 24	0 26	0 23	0 25	7 SNOW DPTH DAYS
MEAN													
TOTAL OBS.													

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## 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 1953, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

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

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: 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.

DATA PROCESSING DIVISION  
 USAF AFAC  
 AIR WEATHER SERVICE/HAC

**EXTREME VALUES**

SURFACE WINDS  
 (FROM DAILY OBSERVATIONS)

34077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

70  
YEARS

DAILY PEAK GUSTS IN KNOTS  
 /BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT.	NOV	DEC	ALL MONTHS
70	0	0	0	0	0	0	0	0	0	24 / 3026 / 12	3026 / 21	3023 / 20	27 WINDS DAYS
MEAN													
S.D.													
TOTAL OBS.													

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 BAUMHÖLDER GERMANY AAF YEARS 65-70 MONTH -LL  
 CLASS ALL WEATHER HOURS (L.S.T.) -LL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.9	1.5	.3								4.5	5.1
NNE	.9	2.8	2.2	.4	.0							6.4	5.4
NE	.4	1.3	1.2	.2	.0							3.1	6.5
ENE	.4	1.3	1.4	.4	.0							2.4	7.0
E	.6	1.8	1.7	.5	.0							4.4	7.0
ESE	.3	.8	.7	.1	.0							2.7	5.4
SE	.2	.6	.3	.1	.0							1.1	6.0
SSE	.2	.7	.6	.1	.0							1.5	6.5
S	.3	1.1	1.5	.5	.1	.0	.0					3.4	8.0
SSW	.6	1.7	2.2	1.6	.4	.1	.0	.0				7.7	9.0
SW	.8	2.6	4.6	2.9	.6	.1	.0	.0				11.7	9.4
WSW	.6	2.8	6.6	3.2	.9	.2	.0	.0	.0			16.4	10.1
W	.5	2.1	4.0	2.1	.3	.1	.0					9.0	9.0
WNW	.4	1.0	1.1	.2	.0	.0						2.7	6.8
NW	.4	.7	.4	.1								1.4	5.7
NNW	.5	.8	.6	.1	.0							1.9	5.7
VARBL	2.3	1.0	.0	.0								3.3	3.0
CALM												15.3	
	10.2	24.9	31.8	14.8	2.2	.5	.1	.0	.0			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 26493

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 34077 BALMHOLDER GERMANY AAF STATION NAME 6670 YEARS 1 MONTH 11  
 CLASS ALL WEATHER HOURS (L & T) 11  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	.9									4.2	5.7
NNE	.8	2.2	1.5	.1								4.6	5.7
NE	.7	1.0	.9	.2								2.7	6.2
ENE	.9	1.4	1.0	.5								3.4	6.2
E	1.6	3.0	2.2	.6								7.4	6.1
ESE	.7	.9	1.2	.1								2.7	5.3
SE	.4	.6	.3	.1								1.4	5.3
SSE	.4	.4	.2									.9	5.3
S	.4	.7	.9	.5								2.6	7.4
SSW	.6	.9	2.8	2.0								6.4	8.9
SW	1.3	3.6	4.8	2.8	.6							13.0	8.4
WSW	.8	3.1	6.6	3.4	.6	.4						14.9	9.6
W	.2	1.3	3.3	1.1								6.0	9.5
WNW	.3	.7	.9	.2								2.2	6.9
NW	.6	.6	.2									1.4	4.6
NNW	1.0	.4	.4									1.9	4.1
VARBL	2.2	.8										2.5	2.5
CALM												21.3	
	14.2	23.1	28.4	11.8	1.1	.4						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 1794

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

38077 STATION BAUMHOLDER GERMANY AA- STATION NAME 65-70 YEARS  
 CLASS ALL WEATHER  
 HOURS (LST) 254  
 CORRECTION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	1.7	.9								5.9	6.2
NNE	1.1	3.9	4.8	.8	.2							9.9	7.0
NE	.5	2.3	1.8	.3								4.9	6.5
ENE	.3	1.3	2.2	.6	.1							4.8	7.7
E	.4	1.3	1.3	.5								3.5	7.1
ESE	.1	.4	.8	.1								1.5	7.1
SE	.3	.3	.2	.2								1.7	6.4
SSE	.0	.4	.8	.1								1.3	7.3
S	.0	.8	2.0	1.0	.0							3.9	9.3
SSW	.6	1.3	2.0	2.1	.3	.1	.0					7.5	9.8
SW	.5	2.2	3.2	2.8	.6	.3	.0					11.5	9.8
WSW	.3	2.2	3.2	6.5	.9	.0						15.1	10.3
W	.5	2.3	2.7	1.6	.4	.0	.0					7.6	9.1
WNW	.3	1.0	1.0	.3	.0							2.6	6.7
NW	.5	.7	.5									1.6	5.1
NNW	.5	1.2	1.1	.1								2.9	6.1
VARBL	1.8	.3										2.1	2.9
CALM												12.7	
	9.1	24.1	33.2	17.6	2.7	.5	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2103

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 26077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 69-70 MONTH ALL  
 CLASS ALL WEATHER HOURS (LST) 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	.5	2.2	1.9	.2								5.1	6.2
NNE	.9	2.5	2.7	.5								6.2	6.6
NE	.4	1.4	1.1	.3								3.2	6.5
ENE	.7	1.5	1.6	.3								4.9	5.5
E	.5	1.5	2.2	.6								4.9	7.3
ESE	.3	.6	.6	.0								1.5	5.3
SE	.1	.7	.5									1.3	6.1
SSE	.3	.9	.5	.0	.0							1.3	5.1
S	.4	1.0	.6	.5	.1	.0						2.5	7.6
SSW	.6	1.2	2.0	1.7	.6	.2						6.3	10.2
SW	.5	1.6	2.8	2.1	.5	.1	.1					9.5	10.5
WSW	.4	2.1	4.6	4.3	.8	.2	.1					16.5	10.3
W	.1	2.6	3.5	2.2	.7	.2						12.4	9.3
WNW	.2	1.7	2.6	.2	.0	.1						4.9	7.7
NW	.2	.9	1.0	.3								2.4	7.3
NNW	.4	.8	.9									2.1	6.2
VARBL	1.1	.7										1.2	3.3
CALM												13.3	
	7.7	29.8	36.0	17.3	2.8	.9	.3					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

8077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

24  
HOURS

ALL WEATHER  
CLAS

24  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-37	38-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.3	2.1	.6								5.9	6.7
NNE	.6	2.3	2.3	.7								8.3	7.0
NE	.2	1.2	2.0	.4								3.8	7.5
ENE	.1	.8	2.0	.5	.0							3.4	3.5
E	.2	1.3	1.3	.3								3.3	7.7
ESE	.2	.4	.7	.0								1.3	6.9
SE	.0	.4	.2	.1								.7	6.8
SSE	.2	.3	.3	.2								1.4	7.0
S	.4	.8	1.4	.8	.1							3.3	8.3
SSW	.5	1.3	4.0	2.3	.3							8.5	9.5
SW	.7	2.3	4.3	2.9	.9							11.1	9.5
WSW	.3	1.9	6.2	5.2	.9	.0						14.7	12.4
W	.3	2.4	4.9	2.9	.2	.0						11.2	8.9
WNW	.3	2.3	1.3	.4								4.8	6.6
NW	.3	.9	.9	.2								2.3	6.3
NNW	.3	1.4	1.3	.1	.0							3.4	6.3
VARBL	.6	.6										1.2	3.7
CALM												11.2	
	7.2	24.7	29.6	17.8	2.5	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2242



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AER WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 26077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 69-70 MONTH V  
 CLASS ALL WEATHER HOURS (L & 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	.4	1.4	2.5	.2								4.5	7.4
NNE	.8	2.0	2.6	.4								5.5	6.7
NE	.2	.8	.7	.1								1.8	6.7
ENE	.2	.8	1.1	.4								2.5	7.5
E	.5	1.4	2.2	1.3	.0							5.4	8.2
ESE	.2	.9	2.1	.7								3.3	8.2
SE	.2	.6	.8	.0								1.7	6.7
SSE	.3	1.0	1.2	.2								2.7	6.7
S	.3	1.0	2.1	.7	.2	.0						4.4	8.7
SSW	.7	1.8	4.1	1.4	.2	.0						6.3	9.5
SW	.5	2.3	3.9	3.2	.6	.1						10.8	9.8
WSW	.5	3.2	3.9	4.3	.6	.1	.0	.1				14.9	9.8
W	.8	2.5	3.3	2.5	.3	.2	.0					11.6	9.0
WYW	.4	.9	1.7	.4	.1							3.5	7.3
NW	.2	.6	.3	.2								1.5	5.6
NNW	.4	1.0	1.5	.2								3.1	6.7
VARBL	3.2	1.0										4.2	2.9
CALM												9.7	
	10.2	22.3	27.8	16.4	2.0	.5	.1	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 2390

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 36077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH -LL  
 ALL WEATHER  
CLAS  
 CLASITION

SPEED (KNTS) DIR.	1-3	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	2.5	2.2	.5								4.4	6.4
NNE	1.0	2.7	3.8	1.1	.0							9.6	7.7
NE	.4	1.1	1.8	.2								3.5	7.0
ENE	.4	1.2	1.6	.8								4.0	7.7
E	.5	1.4	2.5	.7								5.1	7.7
ESE	.2	.6	.7									1.5	6.1
SE	.1	.4	.2									.8	5.6
SSE	.2	.6	.5	.0								1.4	6.3
S	.2	.7	1.4	.2								2.5	7.5
SSW	.5	2.0	3.6	.6		.0						6.7	7.5
SW	.5	2.3	3.3	2.7	.1	.0						9.5	8.7
WSW	.6	3.1	4.1	3.9	.3	.1						16.2	9.1
W	.4	2.3	4.1	2.5	.2							9.5	8.9
WNW	.7	.7	1.2	.6								3.2	7.4
NW	.5	1.0	.2	.1								1.9	5.1
NNW	.7	1.0	.5									2.2	4.8
VARBL	2.2	1.9		.1								3.6	3.3
CALM												12.4	
	10.6	25.9	36.0	14.2	.7	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 2406

DATA PROCESSING DIVISION  
 ETAC/USAF  
 ASR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

26077 STATION BAUMHOLDER GERMANY AAF STATION NAME 65-70 YEARS MONTH LL

ALL WEATHER CLASS

LL 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	.3	1.9	1.6	.1								4.4	5.9
NNE	.3	2.7	.8	.0								4.1	5.3
NE	.2	.6	.6	.0								1.6	5.9
ENE	.2	.0	.6	.0								1.7	5.1
E	.5	1.6	1.0	.2								3.2	6.7
ESE	.1	.9	.6	.1								1.7	6.6
SE	.1	.6	.1	.0								.9	5.7
SSE	.2	.3	.3									.8	5.6
S	.3	1.2	1.1	.2								2.8	6.2
SSW	.3	2.3	2.6	1.0	.1							7.7	7.7
SW	1.1	2.7	5.5	2.5	.4	.0	.1					12.3	8.8
WSW	1.2	3.2	6.6	5.2	1.3	.1	.1					17.6	10.1
W	.4	2.9	4.2	2.2	.3	.2	.2					11.0	8.6
WNW	.7	1.7	1.3	.7								3.5	5.8
NW	.6	1.2	.7	.1								2.7	5.7
NNW	.7	1.0	.6	.2								2.3	3.6
VABL	2.9	2.0										4.9	3.3
CALM												16.0	
	11.7	27.8	29.5	12.3	2.3	.3	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 2346

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

24077 BAUMHOLDER GERMANY AAF 65-70 - 6  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

LL  
HOURE (L & T.)

CONDITION

SPEED (KHTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.1	1.6	.2								4.7	5.3
NNE	.6	2.3	2.2	.1								5.3	6.2
NE	.3	1.9	1.0	.1								2.9	4.2
ENE	.3	1.4	1.1	.1								3.0	4.2
E	.3	1.7	2.1	.3	.1							4.9	7.6
ESE	.3	1.2	.5	.0	.0							2.1	6.0
SE		.6	.3		.0							.9	6.5
SSE	.2	.3	.7									1.2	6.1
S	.4	1.4	1.9	.3	.0							4.0	7.2
SSW	.6	1.9	4.5	1.6	.3							8.7	8.6
SW	.7	3.1	3.7	1.6	.2							9.3	7.9
WSW	.4	2.6	9.1	4.9	.3				.0			17.3	9.6
W	.4	2.7	3.6	1.7	.1							8.5	8.2
WNW	.2	1.3	.6									2.1	5.5
NW	.3	.3	.2	.0								1.3	4.9
NNW	.4	.6	.2	.0								1.4	4.7
VAR'D	3.2	1.9										3.1	3.2
CALM												16.2	
	10.0	20.0	32.4	11.9	1.1				.0			100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 2376

DATA PROCESSING DIVISION  
 DTIC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

6970  
YEARS

ALL  
MONTH

ALL WEATHER  
CLASS

ALL  
MOSES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	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	.8	.2								3.3	5.7
NNE	1.0	2.3	1.5	.1								5.1	5.6
NE	.4	1.3	.7	.1								2.7	5.9
ENE	.4	1.9	1.2	.0								3.5	6.3
E	.3	1.9	2.1	.2								4.7	6.7
ESE	.2	1.1	.7	.2								2.1	6.7
SE	.2	.7	.2	.1								1.2	6.3
SSE	.1	.9	.9	.2								2.1	7.2
S	.7	1.7	2.3	.7	.2		.1					6.7	8.1
SSW	.7	2.0	3.6	2.5	.4	.0						9.7	9.2
SW	1.0	3.3	3.4	2.9	.3							12.9	8.4
WSW	.6	3.3	7.3	4.8	.4	.0						16.8	9.4
W	.4	1.4	2.1	2.1	.1							7.7	9.2
WNW	.3	.4	.2	.0								1.7	5.3
NW	.3	.4	.0	.0								.7	4.2
NNW	.4	.3	.0									.7	3.6
VARBL	2.1	1.0										3.1	3.1
CALM												18.3	
	10.1	25.3	30.3	16.2	1.4	.1	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 2275

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 CT MONTH LL  
 CLASS ALL WEATHER HOURS (L S Y) LL  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	1.1	.8	.0								2.9	5.2
NNE	1.1	2.0	1.7	.2								5.7	6.0
NE	.6	1.4	1.5	.3	.0							3.7	4.6
ENE	.8	1.7	2.3	.3	.0							4.1	4.9
E	1.3	2.6	1.0	.0								5.7	5.1
ESE	.4	1.3	.5	.0								2.3	3.6
SE	.3	.7	.2									1.2	4.9
SSE	.3	.8	.9	.0								2.7	6.4
S	.4	1.2	1.6	.6	.1							4.7	7.9
SSW	.9	1.9	3.3	1.3	.2							7.8	8.2
SW	.9	3.1	4.9	2.2	.3	.2						11.7	9.8
WSW	1.0	3.3	4.6	4.1	.4	.0	.2					13.7	9.8
W	.6	1.3	3.3	1.9	.3	.0	.0					7.7	9.3
WNW	.3	.3	.5	.1								1.8	6.2
NW	.2	.4	.2									.8	5.7
NNW	.4	.4	.1	.1								1.1	5.2
VARBL	2.3	.3										2.6	2.4
CALM												20.0	
	19.1	24.0	27.5	19.4	1.6	.3	.2					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2318

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077 STATION BAUMHOLDER GERMANY AAF STATION NAME 65-70 YEARS NORTH

ALL WEATHER CLASS

ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.6	1.1	.4								4.9	5.7
NNE	1.1	3.3	1.8	.4								6.5	6.1
NE	.4	1.8	1.7	.0								4.1	6.4
ENE	.6	1.2	1.3	.6	.1							4.1	7.7
E	.6	1.3	.6	.9	.0							3.7	7.3
ESE	.3	.8	.3	.0								1.5	5.4
SE	.2	.7	.2	.1								1.2	6.0
SSE	.3	.5	.6	.2	.1							1.7	7.7
S	.2	1.3	1.2	.4	.1	.1	.1					3.4	8.7
SSW	.4	2.0	2.4	1.8	1.1	.2						8.1	10.4
SW	.5	2.6	3.1	4.7	1.9	.3						13.2	11.1
WSW	.4	2.3	6.3	6.3	1.6	.3	.1					17.4	11.2
W	.2	1.1	3.3	1.2	.1							5.9	8.7
WNW		.6	.3									1.0	6.7
NW	.1	.2	.1									.4	4.6
NNW	.2	.3	.0									.5	4.4
VARBL	2.2	.4										2.6	2.3
CALM												17.9	
	8.8	23.2	26.8	17.0	9.1	1.0	.2					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 2092

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14077 STATION BAUMHOLDER GERMANY AAF STATION NAME 6570 YEARS EC MONTH  
ALL WEATHER CLASS LL HOURS (LST)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.8	.5	.1								1.3	3.5
NNE	1.1	2.9	1.8	.2								6.0	5.7
NE	.7	1.6	.5									2.8	4.9
ENE	.6	1.9	1.2	.2								3.9	5.0
E	.8	2.4	1.6	.1								4.4	5.6
ESE	.6	1.1	.2									1.9	4.7
SE	.4	.6	.3	.1								1.3	3.7
SSE	.1	.5	.1	.2								.9	6.8
S	.1	1.0	.7	.7	.2							2.5	8.7
SSW	.5	1.2	1.8	1.4	.8	.3	.2	.1				6.3	11.3
SW	.9	2.3	3.1	4.1	1.3	.5	.2	.1				14.4	10.9
WSW	.9	3.2	6.8	5.4	2.4	.9	.1					19.7	11.1
W	.5	1.9	4.5	1.5	.3	.1						8.2	9.9
WNW	.2	.7	.8	.1								1.7	7.1
NW	.2	.5	.2	.1								.9	5.4
NNW	.3	.3	.2	.1								.8	5.6
VARBL	3.8	1.9	.1									5.2	3.1
CALM												15.7	
	12.0	24.7	20.4	14.1	4.9	1.8	.4	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1949



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 66-70 MONTH 3  
 CLASS ALL WEATHER HOURS (L.S.T.) 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		3.4										3.4	5.5
NNE	2.5	2.8	1.7									6.8	4.5
NE		2.8	1.7									1.7	7.0
ENE	.8	2.5	1.7									5.1	6.2
E	.8	3.4										4.2	4.6
ESE	.8	1.7										2.5	3.7
SE			.8									.8	9.0
SSE	.8											.8	3.0
S	.8	2.5	1.7	.8								3.9	5.7
SSW	.8	3.4	2.5	.8								7.5	7.0
SW	1.7	2.5	6.8	1.7	.8							13.6	8.4
WSW	2.5	2.5	5.9	2.5								13.6	7.9
W			1.7	.8								2.5	11.0
WNW	.8		.8									1.7	6.0
NW	.8											.8	2.0
NNW	.8		.8									1.7	5.5
VARBL	.8											.8	2.0
CALM												26.3	
	15.8	28.4	25.4	6.8	.8							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 118

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

94077 STATION BAUMHÖLDER GERMANY AAF STATION NAME 6670 YEARS MONTH NORTH  
 ALL WEATHER CLASS 0600-0900 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	1.0	1.2	.7									2.9	5.1
NNE	1.0	2.6	1.2	.2								4.9	5.7
NE	.7	.8	.5									1.7	4.7
ENE	.7	1.2	1.0									2.9	5.1
E	2.6	2.6	2.9	.2								8.1	5.6
ESE	.7	.8	.5									1.7	4.7
SE	.7	.7										1.5	3.5
SSE	.2	1.2	.2									1.7	3.0
S		.2	.5	.5								1.2	3.6
SSW	1.0	1.2	2.7	2.0								6.8	3.5
SW	2.0	4.6	4.6	2.7	.5							13.9	3.0
WSW	1.2	2.6	7.8	2.7	.5	.5						15.2	9.3
W		.7	2.7	.8								2.9	3.3
WNW	.5	.2	1.0	.2								2.0	7.0
NW	.8	.2										.7	3.3
NNW	1.2											1.2	2.0
VARBL	1.7	.5										2.2	2.7
CALM												27.4	
	15.6	20.3	26.2	9.0	1.0	.5						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 409

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 38077 BAUMHOLDER GERMANY AAF YEARS 66-70 NORTH 49° 11'  
 CLASS ALL WEATHER HOURS (L & T.) 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	1.6	1.9	.2									3.7	4.1
NNE	.5	1.9	2.1									4.6	6.4
NE	.7	1.6	.5									2.8	5.1
ENE	.9	1.2	.9	.2								3.3	5.9
E	1.4	3.5	2.3	.5								7.7	6.2
ESE	.7	1.4	1.9	.2								4.2	6.4
SE		.5	.5									.9	7.3
SSE	.5											.5	2.5
S	.2	.2	.7									1.2	6.4
SSW	.7	.7	3.0	3.3								7.7	9.5
SW	1.4	6.9	6.9	3.5	.9							15.6	8.4
WSW	.2	6.0	7.2	4.7	.2	.7						17.0	9.7
W	.2	1.6	2.6	.5								4.9	7.2
WNW		1.2	.9									2.1	6.5
NW	.2	.5										.7	4.7
NNW	.9		.2									1.2	3.4
VARBL	2.1											2.1	2.1
CALM												20.0	
	12.6	26.9	28.0	12.8	1.2	.7						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 38077 BAUMHOLDER GERMANY AAF 66-70 YEAR 1966 MONTH 12

CLASS ALL WEATHER HOURS (LST) 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	1.8	1.6									4.7	5.7
NNE	.2	1.4	1.2									2.2	6.4
NE	.5	.5	.9	.7								2.6	8.0
ENE	.2	1.4	1.6	.9								4.0	7.7
E	1.9	3.7	2.1	1.2								8.9	6.3
ESE	.9	.2	1.9									3.0	6.2
SE	.9	.7	.2									1.9	4.1
SSE	.2		.2									.5	6.5
S	.5	.2	1.2	.9								2.8	8.8
SSW	.2	.2	2.8	2.1								5.4	10.1
SW	.5	1.9	5.8	2.5	.7							12.4	9.6
WSW	.5	4.0	5.6	3.3	1.4	.5						15.2	10.3
W	.7	1.9	5.8	.9								9.3	3.2
WNW	.7		1.2	.5								2.3	7.1
NW	.9	1.2	.7									2.8	4.3
NNW	1.4	1.2	.7									3.3	4.7
VARBL	2.6	.2										2.8	2.6
CALM												15.6	
	14.0	20.5	33.3	16.0	2.1	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 34077 BAUMHOLDER GERMANY AAF STATION NAME 66-70 YEARS 1967-1968 MONTH 1967-1968  
 CLASS ALL WEATHER  
 HOURS (L.S.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	1.1	2.4	1.6									3.0	3.2
NNE	1.3	2.9	1.6									5.8	3.2
NE	1.1	1.1	1.3	.3								3.7	3.4
ENE	1.3	1.8	.3	.8								4.7	3.6
E	.8	2.4	2.1	.5								5.0	3.4
ESE	.5	1.3	.8									2.6	3.5
SE	.3	.5	.5	.3								1.6	3.3
SSE		.5	.5									1.1	7.0
S	.5	1.3	1.3	.5								3.9	6.9
SSW	.5	.8	2.9	1.1								5.3	3.2
SW	1.6	3.7	3.7	1.8								10.8	7.3
WSW	1.1	2.1	4.1	3.4	.3							12.9	3.9
W		1.6	2.6	2.9								7.1	9.9
WNW		1.6	.5									2.1	4.0
NW	.5	.8	.3									1.6	3.2
NNW	.5	.8	.8									2.1	3.5
VARBL	2.9	.5										3.4	2.5
CALM												20.5	
	14.7	24.1	24.8	11.6	.3							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 380

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34077 BAUMHOLDER GERMANY AAF 66 13  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER 1800-2000  
CLASS HOURS (L.S.T.)  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.4	10.3										13.9	4.2
NNE		3.4										3.4	5.0
NE	3.4	6.9	6.9									17.2	6.4
ENE			3.4	3.4								6.9	12.0
E				3.4								3.4	12.0
ESE													
SE													
SSE													
S	3.4	3.4										6.9	4.5
SSW		3.4	3.4									6.9	7.0
SW													
WSW			6.9									6.9	10.0
W													
WNW			3.4	3.4								6.9	10.5
NW													
NNW													
VARBL													
CALM												27.6	
	10.3	27.6	26.1	10.3								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

94077      BAUMHOLDER GERMANY AAF      65:70      FEB  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0200-0500  
CLASS      HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.0									2.0	3.0
NNE	3.9	5.2	3.3									12.4	5.1
NE	.7	2.6	1.3									4.6	3.9
ENE		.7	2.0									2.6	6.3
E	1.3	.7	.7									2.6	4.3
ESE		.7	.7									1.3	7.0
SE													
SSC													
S		1.3	1.3		.7							3.3	9.4
SSW		2.0	2.6	.7	.7							5.9	9.0
SW	2.0	2.6	3.9	2.6	.7							13.7	8.7
WSW	.7	2.9	3.3	4.6	2.0							17.6	9.6
W		2.0	2.6	1.3	.7							6.3	10.0
WNW		1.3										1.3	5.0
NW		.7	.7									1.3	7.0
NNW	.7		.7	.7								2.0	8.0
VARBL													
CALM												22.9	
	9.2	23.5	30.1	9.8	6.6							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS      153

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

84077 BAUMHOLDER GERMANY AAF

65-70

PER MONTH

ALL WEATHER

PER HOUR (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	1.2	1.4	.6	.2								3.4	5.2
NNE	1.4	4.1	3.9	.6	.2							10.3	6.8
NE	.8	3.1	1.2									5.2	5.3
ENE	.6	2.5	1.0									3.9	5.5
E	.2	.4	1.0	.4								2.1	7.8
ESE	.2	.2	1.0									1.4	7.6
SE	.4		.2									.6	5.7
SSE		.2	.8									1.0	9.0
S		.2	2.7	.4								3.3	9.2
SSW	.6	1.0	3.9	1.4								7.0	8.7
SW	.6	3.9	6.2	2.3	.8	.4						14.3	9.7
WSW	.8	2.5	4.3	4.3	.8	.2						13.2	10.1
W	.6	1.0	2.1	1.2	.6		.2					5.4	10.3
WNW	.2	.6	1.2	.2								2.3	7.2
NW	.2	.4	.8									1.4	6.7
NNW	.2	1.0	.6									1.9	6.4
VARBL	1.4											1.4	2.1
CALM												21.7	
	8.3	22.7	31.0	11.4	2.3	.6	.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 484



DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 34077 BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 5-8  
 CLASS ALL WEATHER HOURS (LST) 1900-1300  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.7	2.5	.6								7.6	5.9
NNE	1.0	4.5	3.1	1.0								11.7	6.2
NE	.6	1.6	2.1	.6								4.9	6.3
ENE	.4	1.2	2.9	.2	.2							4.9	7.7
E	.2	1.6	1.0	.4								3.2	7.0
ESE		.2	.8	.4								1.4	9.1
SE	.2	.8	.2									1.2	4.3
SSE		.2	.8	.2								1.2	3.3
S		1.0	2.1	1.9								4.9	9.5
SSW	.4	1.4	1.9	2.9	.2							6.8	9.7
SW	.6	2.5	3.8	2.7	.2	.6						12.3	9.0
WSW	.2	2.1	3.8	4.0	1.0							14.8	11.2
W	.2	1.6	2.3	2.7								7.3	9.0
WNW	.4	.4	.8	.4								2.1	7.2
NW	.6	.2	.6									1.4	3.1
NNW	.8	.8	.8	.2								2.7	3.8
VARBL	1.4	.2										1.6	3.0
CALM												9.1	
	9.1	23.3	26.2	20.2	1.6	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 486

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

80077 STATION BAUMHOLDER GERMANY AAF 65-70 MONTH FEB 1956

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	1.3	2.6	2.7	1.1								8.4	6.7
NNE	.6	2.2	2.5	1.1	.2							7.5	7.5
NE	.2	2.3	2.3	.2								5.1	7.3
ENE	.2	.4	2.7	1.3								4.5	8.7
E	.4	1.7	2.7	.8								5.7	8.0
ESE	.4	.8	.8									2.1	5.5
SE	.2	.2	.2	.4								1.1	3.5
SSE	.2	1.1	.4									1.7	3.5
S		1.1	1.7	.8								3.6	9.1
SSW	.6	1.1	2.7	3.0	.6	.2	.2					8.4	11.1
SW		.6	4.6	3.6	.6	.2						9.9	11.4
WSW		1.3	3.3	3.1	.8							16.7	11.5
W	.4	2.7	3.2	1.9		.2						8.4	8.7
WNW	.2	1.8	1.1	.4	.2							3.4	7.2
NW	.4	.4	.2									1.1	4.4
NNW	.4	1.1	1.9									3.4	6.6
VARBL	3.0	.4										3.4	3.0
CALM												5.7	
	8.6	23.2	35.4	23.6	2.5	.6	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 474

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION: 34077 STATION NAME: BAUMHOLDER GERMANY AAF YEARS: 65-70 PERIOD: FEB  
 MONTH: MARCH  
 CLASS: ALL WEATHER HOURS (L & T): 1500-1700  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.1	1.8	.7								4.9	6.4
NNE	.4	2.5	4.0	.9	.7							9.5	8.1
NE	.4	2.2	1.8	.7								5.1	6.0
ENE	.2	1.8	1.8	1.1	.2							4.9	8.4
E	.4	1.3	.9	.4								3.1	5.5
ESE		.4	.7									1.1	6.6
SE	.4	.4	.2	.2								1.3	3.8
SSE		.4	1.2	.2								2.7	7.9
S	.2	.9	1.5	1.2								4.2	9.5
SSW	.7	1.9	2.1	1.2	.4	.2						7.3	9.3
SW	.2	1.5	4.2	2.4	.9							9.3	10.2
WSW		2.7	5.3	7.2	.4							15.9	12.3
W	.9	4.2	2.2	.9	1.2							9.5	8.7
WNW	.4	1.8	.9	.2								3.3	5.7
NW	.7	1.8	.2									2.4	4.5
NNW	.7	2.0	1.1									3.8	5.4
VARBL	2.2	.9										3.1	3.1
CALM												9.5	
	9.3	28.1	31.2	17.7	4.0	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 452

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 38077 BAUMHOLDER GERMANY AAF STATION NAME 65066 YEARS FEA MONTH FEA  
 CLASS ALL WEATHER HOURS (LST) 1500-2100  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	1.8		1.8								5.4	7.3
NNE		3.6	1.8									5.4	6.0
NE													
ENE	1.8		3.6									7.1	7.0
E	1.8	3.6										5.4	4.0
ESE													
SE				1.8								1.8	16.0
SSE													
S			3.6									3.6	9.0
SSW	1.8	1.8	7.1	5.4								16.1	8.8
SW		3.6	1.8	5.4								10.7	9.3
WSW			1.8	3.6								5.4	11.3
W	1.8		1.8									3.6	5.3
WNW			1.8									1.8	8.0
NW	1.8	1.8										3.6	3.0
NNW		3.6	1.8									5.4	7.0
VARBL													
CALM												25.0	
	10.7	19.0	36.8	17.9								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 56

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION: 36077 STATION NAME: BAUMHOLDER GERMANY AAF YEARS: 65-70 MONTH: AR

CLASS: ALL WEATHER

NO. OF OBS.: 320-05

CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		3.0	1.2									4.2	5.3
NNE	.6	3.6	1.8	.6								6.7	6.5
NE		.6	.6									1.2	7.0
ENE	1.2	1.8										3.0	4.0
E	.6	.6	.6	.6								2.4	7.3
ESE	.6		.6									1.2	5.0
SE		1.2	.6									1.8	6.7
SSE	.6											.6	2.0
S	1.2	1.2										2.4	3.3
SSW	2.4	4.2	3.6	1.2								11.5	6.6
SW	.6	1.8	3.6	.6	.6							7.3	8.8
WSW		4.2	6.7	5.5			.6					17.0	10.3
W		2.4	1.8	1.2		.6						6.1	10.1
WNW		1.8	1.2									3.0	6.0
NW			.6	.6								1.2	12.5
NNW	.6											.6	3.0
VARBL	3.0											3.0	2.6
CALM												26.7	
	11.5	26.7	23.0	10.3	.6	.6	.6					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 165

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

22  
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	.6	2.9	1.6									5.7	5.6
NNE	1.2	2.5	2.1									5.8	5.7
NE	.2	2.1	1.2	.4								3.9	6.5
ENE	.6	.6	.4	.2								1.7	6.7
E	.8	.6	1.4	.4								3.1	6.9
ESE	.4		.6									1.0	5.6
SE													
SSE	.2		.4									.6	5.7
S	.2	.4	.2	1.0								1.9	5.7
SSW	1.2	1.7	2.1	1.2	.2	.2						6.6	5.1
SW	1.0	2.9	4.1	3.9	.4							12.2	9.6
WSW	.6	2.7	7.4	3.2	.6	.4						16.9	10.0
W	.2	2.7	3.5	1.0	.2							7.6	7.7
WNW	.4	1.6	1.4									3.3	5.1
NW	.2	.8	1.0	.4								2.3	7.3
NNW	1.0	.6	.4									1.9	4.0
VARBL	1.0	1.0										1.9	3.3
CALM												24.2	
	9.5	23.3	27.5	13.6	1.4	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 38077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 12  
 CLASS ALL WEATHER HOURS (LST) 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	.2	2.5	2.5	.4								5.7	6.4
NNE	1.2	2.1	3.1	.8								7.7	6.9
NE	.4	1.4	1.4									3.1	6.1
ENE	1.4	.8	1.9	.2								4.3	6.3
E	.6	1.9	3.1	.8								6.4	7.5
ESE		.8	.6									1.4	5.0
SE		.4	1.0									1.4	7.6
SSE	.4	.2	.4									1.0	3.4
S	.4	.2	.4	.2	.2	.2						1.6	11.1
SSW	.4	1.2	1.9	1.9	1.2	.2						6.3	11.3
SW	.6	1.8	4.2	3.3		.2						12.1	10.3
WSW	.2	2.1	6.2	6.8	.8	.2						16.4	11.0
W		1.4	6.0	4.1	.4	.2						12.1	10.4
WNW	.6	1.8	2.3	.2	.2							5.1	7.2
NW	.2	.8	.6	.2								1.8	6.8
NNW	.4	.6	.8									1.6	6.5
VARBL	1.0	1.0										1.9	3.7
CALM												10.3	
	7.8	20.7	26.6	20.9	2.7	1.0						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 513

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAG

**SURFACE WINDS**

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

94077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

25  
MONTH

ALL WEATHER  
CONDITION

120-1400  
HOURS (L. S. T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	1.7	.4								4.9	6.7
NNE	.2	2.9	2.9	.4								7.1	7.1
NE	.2	.6	.6	.4								1.9	7.1
ENE	.6	2.5	2.7									5.6	6.3
E		2.8	2.8	1.2								6.7	7.7
ESE	.2	1.7	.8									2.7	5.6
SE		1.2										1.2	5.0
SSE		.6	.6									1.2	7.2
S	.6	1.2	1.0	.6								3.5	6.7
SSW		.4	2.5	2.3	.6	.2						6.0	11.6
SW	.2	1.2	2.1	2.7	1.4	.2	.6					9.5	12.3
WSW	.4	.8	7.5	6.6	1.4	.4						17.2	11.3
W		2.1	5.8	5.0	1.4	.2						14.5	10.9
WNW		1.4	2.7	.6		.4						6.2	9.4
NW	.2	.8	1.4	.2								2.7	7.4
NNW		1.7	1.4									3.1	6.9
VARBL	.8	.4										1.2	3.2
CALM												5.6	
	4.3	23.8	38.7	20.5	5.0	1.4	.6					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 483



DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34077  
STATION

BAUMHÖLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

04  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	2.2	.2								4.3	6.6
NNE	.2	2.2	2.6	.4								5.4	7.2
NE	.9	1.5	1.3	.6								4.2	5.6
ENE	.2	2.2	1.9	.9								5.2	7.6
E	.9	1.3	2.8	.2								5.2	6.7
ESE	.2	.2	.4	.2								1.1	7.2
SE	.6	.9	.9									2.4	5.5
SSE	.4	3.0	.9	.2	.2							4.3	6.4
S		1.9	.6		.2							2.8	6.9
SSW	.2	.6	.6	1.5	.9	.4						4.3	13.5
SW		.4	4.1	1.7	.4							6.7	10.3
WSW	.6	1.9	5.8	6.9	.6		.4					16.5	11.0
W	.4	3.6	7.6	4.3	1.1							17.3	9.6
WNW		1.9	3.5	.2								5.6	7.9
NW	.2	1.7	1.3	.2								3.5	6.9
NNW		.9	1.3									2.2	7.3
VARBL	1.3	.6										1.9	3.2
CALM												6.5	
	6.7	20.8	27.9	17.7	2.5	.4	.4					100.2	8.1

TOTAL NUMBER OF OBSERVATIONS 462

DATA PROCESSING DIVISION  
 DTIC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 36077 STATION NAME BAUMHOLDORF GERMANY AAF YEARS 65-66 MONTH ALL  
 CLASS ALL WEATHER HOURS (L & T) 1800-2100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 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	3.2	1.6									6.5	6.0
NNE	6.5			1.6								8.1	4.4
NE	1.6	1.6	1.6									4.9	5.3
ENE			1.6									1.5	0.0
E		1.6										1.2	4.0
ESE	1.6											1.5	3.0
SE		3.2										3.2	6.0
SSE	1.6	1.6										3.2	4.0
S			3.2	1.6								4.8	1.7
SSW			1.6	1.6								3.2	9.5
SW			1.6									1.6	10.0
WSW		1.6	3.2	4.8								9.7	10.8
W		6.5	9.7			1.6						17.7	8.7
WNW		1.6	3.2									4.8	7.0
NW													
NNW	1.6	1.6	1.6									4.8	6.0
VARBL													
CALM												22.6	
	16.5	22.4	29.0	9.7		1.6						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 62

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0300  
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	1.2	2.4	1.8									5.3	5.3
NNE		4.7	3.6									8.3	6.3
NE	.6		.6									1.2	5.0
ENE		.6	.6									1.2	7.4
E													
ESE													
SE		.6										.6	6.0
SSE	1.2	.6										1.8	3.7
S	1.2	1.2										2.4	3.3
SSW	.6	3.0	2.4									6.3	5.6
SW	4.1	1.8	4.7		.6							11.8	6.8
WSW	1.2	3.0	4.7	2.4	.6							12.4	8.6
W	1.2	.6	2.4	1.8	.6							6.3	9.0
W1/2W	.6	1.8			.6							2.4	4.5
NW	.6	1.8										2.4	3.8
NNW	.6	1.2	.6									2.4	3.5
VARBL													
CALM												33.1	
	12.0	26.0	21.3	4.7	1.8							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 169

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

24077 BAUMHOLDER GERMANY AAF 65-70 20  
STATION STATION NAME YEARS MONTH

ALL WEATHER  
CLASS

1600-3930  
HOURE (LST)

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	.8	2.5	1.0	.6								4.3	5.1
NNE	1.4	3.8	3.1	.6								17.5	5.1
NE	.2	1.9	1.0	.3								3.3	5.5
ENE		.6	.6	.6								1.7	9.9
E	.2	1.4	.4									1.9	5.4
ESE	.2	.2	.2									.6	5.3
SE	.2	.4										.6	4.2
SSE	.2		.6									.6	8.3
S	.2	.2	1.2	.4								1.9	8.6
SSW	1.2	1.7	3.1	1.2								7.1	7.6
SW	1.2	5.2	5.0	1.5	.6							13.5	7.6
WSW	1.4	2.1	3.3	4.4	1.0							17.2	9.8
W	.8	1.9	2.1	1.7								6.6	7.8
WNW	.6	1.5	.6									2.7	5.0
NW	.6	.4	.8									1.7	5.4
NNW	.8	.6	1.2									2.5	3.7
VARBL	.4	.2										.6	3.3
CALM												21.8	
	10.0	26.6	29.0	11.0	1.5							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 318

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34977 STATION BAUMHOLDER GERMANY AAF STATION NAME 65070 YEARS MONTH 0900-1100 HOURS (LST)

ALL WEATHER CLASS

CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.7	1.9	.6								5.4	7.1
NNE	.8	2.3	3.5	.6								8.1	7.1
NE	.2	1.2	4.2	.6								6.2	7.9
ENE	.2		2.1	.6								2.9	8.9
E	.2	1.7	1.7	1.0								4.6	8.3
ESE	.2	1.0	1.3									2.5	6.5
SE	.8	.4	.4									1.2	6.7
SSE	.2	.4	.4	.2								1.2	6.8
S	.2	1.2	2.3	1.5								5.2	8.9
SSW	.2	1.2	3.6	2.1	.2							10.6	10.1
SW	.4	2.5	4.2	3.7	1.3							12.1	10.4
WSW	.4	1.0	6.9	3.6	.4							14.3	10.5
W	.8	1.9	3.0	2.7	.2	.2						10.8	9.3
WNW	.4	1.7	1.3	.4								4.0	6.9
NW	.4	1.3	.8	.4								2.5	7.4
NNW	.2	1.2	1.2									2.5	6.2
VARBL	.8	.4										1.2	3.3
CALM												4.8	
	5.2	23.7	43.2	20.8	2.1	.2						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 519

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 24077 STATION NAME BAUMHÖLDER GERMANY AAF YEARS 65-70 MONTH 20  
 CLASS ALL WEATHER HOURS (LST) 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	1.0	1.2	2.2	.4								5.1	7.1
NNE		2.0	2.2	1.0								6.2	8.2
NE	.2	1.4	1.8	.2								3.0	7.6
ENE	.4	2.4	2.8	1.0	.2							5.0	8.7
E	.4	1.4	1.4	.8								4.1	6.1
ESE	.4		.8									1.2	6.0
SE		.2	.4	.4								1.1	9.2
SSE		.8	.6									1.4	7.0
S	.6	1.2	1.8	1.0	.4							4.3	8.7
SSW	.4	.2	2.0	2.6	.2							7.4	11.1
SW		1.2	2.2	2.0	1.4							11.2	11.8
WSW	.2	1.8	2.2	2.8	1.6							15.7	11.7
W	1.0	2.6	2.2	2.6	.6							13.2	9.1
WNW	.2	2.0	2.2	1.0								7.1	11.1
NW	.2	.2	1.0	.6								2.1	8.1
NNW	.8	2.0	1.2	.2	.2							6.2	8.2
VARBL	1.0	1.2										4.1	8.1
CALM												4.1	8.1
	4.6	20.9	28.0	25.7	4.6							100.0	

TOTAL NUMBER OF OBSERVATIONS 498

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

6570  
YEARS

22  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 1	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	2.9	.8								7.7	5.9
NNE	.6	3.3	3.6	.8								8.4	7.1
NE	.2	.8	1.0	.8								2.9	3.2
ENE		1.3	3.1									4.4	7.5
E		1.0	2.5	.4								4.2	9.1
ESE		.4	.8	.2								1.5	3.4
SE		.2										.2	5.0
SSE		.8	.6	.6								2.1	7.6
S		.6	.8	.6								2.1	8.4
SSW	.4	.8	4.4	2.2	.6							8.4	10.1
SW		.6	4.0	2.2	.4							7.3	10.2
WSW		2.2	3.2	3.4	.6	.2						13.8	10.7
W	.4	3.6	8.4	4.2								16.5	9.0
WNW	.6	3.6	2.5	.6								7.3	6.9
NW	.4	1.3	1.3									2.9	5.1
NNW	.4	1.7	1.9	.4								4.4	7.0
VARBL	.4	1.0										1.5	4.0
CALM												4.6	
	5.0	25.9	49.1	19.5	1.7	.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 478

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 34077 BAUMHOLDER GERMANY AAF YEARS 65-66 MONTH 10  
 CLASS ALL WEATHER HOURS (LST) 1800-2100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	3.3		1.7								6.7	3.5
NNE			3.3	1.7								5.0	3.7
NE			3.3									3.3	7.0
ENE		1.7										1.7	4.0
E		3.3										3.3	5.0
ESE													
SE													
SSE		1.7	1.7									3.3	6.3
S	1.7	1.7	1.7									5.0	6.3
SSW		3.3	6.7	1.7	1.7							13.3	9.5
SW			1.7	1.7								3.3	11.5
WSW			1.7		1.7							3.3	14.0
W		3.0	3.3									6.3	6.6
WNW	3.3	6.7										10.0	4.5
NW		1.7	1.7									3.3	6.5
NNW		3.0	1.7									6.7	6.5
VARBL													
CALM												23.3	
	6.7	22.3	26.7	6.7	3.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 60



DATA PROCESSING DIVISION  
 WTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 01  
 ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 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	.6									2.2	5.3
NNE	2.2	1.7	1.7									5.6	5.1
NE	1.1	1.1										2.2	3.4
ENE	.6	.6										1.1	4.5
E	.6											.6	2.7
ESE		.6										.6	5.7
SE		.6										.6	4.7
SSE													
S	.6	.6	.6									1.7	5.3
SSW	.6	2.2	1.1	1.1	.6							5.6	8.2
SW	1.7	6.2	4.5	1.7								14.7	7.2
WSW	1.1	5.6	5.1	.6	.6							12.9	7.7
W	1.1	1.1	1.1	.6	.6							4.5	5.7
WNW		.6	.6									1.1	7.5
NW		.6										.6	4.7
NNW	1.1	1.1	1.1									3.4	3.5
VARBL	1.7											1.7	2.7
CALM												41.6	
	12.9	22.6	16.3	2.9	1.7							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 178

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

06077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

06 0-06  
HOURS (LST)

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.0	2.1	1.2	.2								4.1	6.4
NNE	1.1	3.7	2.1	.6								7.5	6.7
NE	.2	.9	.7									1.9	5.2
ENE	.2	.7	1.1									2.1	5.5
E	.4	2.1	.6	.2								3.2	5.6
ESE		.7	.9	.2								1.9	7.5
SE	.4	.6	.2									1.1	5.7
SSE		.7	.4									1.1	5.8
S		1.5	2.1	.6								4.1	7.5
SSW	1.7	2.1	3.9	1.3								9.7	7.2
SW	1.1	2.8	3.0	3.0	.2							12.1	7.4
WSW	.6	3.2	6.4	3.6	.6	.2						16.4	8.9
W	1.1	1.9	2.9	1.1								8.0	7.3
WNW	.7	.7	.6									2.1	5.3
NW	.9	.4	.2	.2								1.7	4.6
NNW		.6	.7	.4								1.7	7.8
VARBL	1.7	.4										2.1	3.3
CALM												20.0	
	10.7	27.1	30.1	11.2	.7	.2						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 535

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEAR 69-70 MONTH -Y  
 CLASS ALL WEATHER HOURS (LST) 290-11  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.9	2.1	.6								5.2	2.1
NNE	.4	.9	2.6	.4								4.3	7.4
NE	.2	.9	.6									1.7	5.2
ENE	.2	.4	2.0	.7								3.3	7.6
E	.6	1.3	2.4	1.5								5.7	8.4
ESE		.4	2.1	.9								4.4	9.1
SE	.2	1.3	1.5									3.2	5.6
SSE		.7	2.2	.6								3.5	3.6
S	.6	1.1	2.0	.6								4.3	7.7
SSW	.6	1.3	4.6	2.4	.2							9.3	9.5
SW	.4	1.1	5.6	5.0	.6	.2						12.3	10.2
WSW	.6	2.6	7.2	5.4	.2		.2	.4				16.3	10.4
W	.9	2.9	4.4	1.7	.2							10.6	7.9
WNW	.6	.6	2.0	.6								3.7	7.1
NW	.4	.7		.2								1.3	5.6
NNW	.6	.7	2.0	.2								3.5	7.3
VARBL	4.1	.9										5.0	2.7
CALM												2.4	
	10.4	19.3	45.6	20.6	1.1	.2	.2	.4				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

**34077** BAUMHOLDER GERMANY AAF 65-70 Y  
STATION STATION NAME YEARS MONTH  
ALL WEATHER 12-14  
CLASS 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	.4	1.1	2.6									4.1	7.4
NNE	.4	1.3	1.9	.4								3.9	7.3
NE		.4	1.3	.4								2.7	8.9
ENE	.2	.9	1.1	.6								2.8	7.7
E	.4	1.1	1.7	3.0	.2							6.3	9.9
ESE	.2	1.9	2.0	.9								5.7	8.1
SE	.2	.2	1.1	.2								1.7	8.2
SSE	.7	2.2	2.0									5.7	6.7
S		.9	2.6	.6								4.1	8.5
SSW		2.2	3.4	1.5	.4	.2						9.7	9.1
SW	.2	2.2	3.0	3.7	1.3							10.4	10.9
WSW	.4	2.0	3.0	7.1	.4	.2						15.1	10.9
W	.7	2.2	3.4	4.5	.6	.7						14.1	10.4
WNW	.2	.9	2.2	.6	.2							4.1	8.2
NW	.4	.4	.4	.2								1.3	6.7
NNW	.2	.9	1.5	.2								2.8	6.9
VARBL	4.1	1.5										5.6	2.9
CALM												2.7	
	8.6	22.5	39.2	23.6	3.0	1.1						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 533

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHÖLDER GERMANY AAF YEARS 69-70 MONTH AY  
 CLASS ALL WEATHER HOUSE (L S T) 1500-1700  
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	3.0	.7								5.7	3.3
NNE	.7	1.9	3.0	.6								6.1	7.0
NE	.2	.7	.4	.2								1.5	6.5
ENE	.2	.7	.7	.4								2.0	7.5
E	.7	1.5	4.7	1.1								8.0	8.1
ESE	.7	.7	2.2	.9								4.7	8.0
SE		.6	.9									1.5	7.1
SSE	.7	.6	.7	.2								2.2	5.0
S	.6	.9	2.2	1.3	.7	.2						6.7	10.3
SSW	.7	.9	3.9	.6	.2							6.3	8.1
SW	.2	2.0	2.0	2.4	.4	.4						7.4	10.6
WSW	.4	2.8	5.0	3.0	1.1							12.3	9.9
W	.6	3.0	8.9	3.7	.4	.2	.2					16.9	9.4
WNW	.2	1.7	2.4	.6	.2							3.0	7.9
NW	.4	.6	.6									1.5	5.6
NNW	.7	1.7	1.5									3.9	5.8
VARBL	4.1	1.5										5.6	3.0
CALM												3.9	
	11.4	22.9	42.3	13.6	3.0	.7	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

STATION 34077 STATION NAME BAUHOLDER GERMANY AAF YEARS 65-66 MONTH Y  
 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		6.5	6.5									12.9	5.6
NNE		3.2	6.5									9.7	7.2
NE													
ENE		3.2										3.2	5.7
E		3.2	3.2									6.5	7.3
ESE			6.5									6.5	8.0
SE	1.6											1.6	3.0
SSE		1.6										1.6	3.0
S			1.6		1.6							3.2	15.0
SSW		3.2	1.6	1.6								6.5	9.0
SW		1.6	3.2		1.6							6.5	10.0
WSW		4.8	9.7		1.6							16.1	8.8
W		1.6	3.2									4.8	8.7
WNW			1.6	1.6								3.2	9.5
NW		3.2		1.6								4.8	8.7
NNW		1.6	3.2									4.8	7.3
VARBL													
CALM												8.1	
	1.6	32.9	46.8	4.8	4.8							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 62

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077 STATION BAUMHOLDER GERMANY AAF STATION NAME 70 YEARS 1971-02 MONTH  
ALL WEATHER CLASS 02 HOURS (L.S.T.)  
 \_\_\_\_\_  
 \_\_\_\_\_ CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	33.3											33.3	2.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												66.7	
	33.3											100.0	.7

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 26077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH \_\_\_\_\_  
 CLASS ALL WEATHER HOURS (LST) 2300-0500  
 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	.6	2.2	2.2									3.2	5.0
NNE	1.7	3.9	2.8	.6								8.1	6.1
NE	2.2	1.7	.6									4.4	4.1
ENE	.6	1.1		.6								2.2	5.2
E		.6										.6	5.0
ESE													
SE													
SSE			.6									.6	5.0
S													
SSW	.6	1.7	1.7									3.9	5.7
SW	1.7	4.4	2.2	1.7								9.9	6.3
WSW	2.2	3.9	3.9	1.1								12.2	5.7
W	1.1		1.7	1.1								3.9	3.4
WNW			1.1									1.1	3.5
NW	.6	.6										1.1	4.0
NNW	.6	.6	.6									1.7	5.7
VARBL	1.1											1.1	2.0
CALM												43.6	
	12.7	19.9	16.8	5.0								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 181



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAL

**SURFACE WINDS**

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

34077  
STATION

BAUMHÖLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

MONTH

ALL WEATHER  
CLASS

06-00-00  
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	1.5	3.5	3.3									8.3	5.0
NNE	1.9	4.1	4.1	.9								10.9	6.6
NE	.9	1.7	1.3									3.9	5.5
ENE	.6	1.5	1.3	.2								3.5	6.6
E		.7	.9	.2								1.9	7.3
ESE	.2	.6	.2									.7	5.3
SE			.2									.2	9.0
SSE	.2											.2	2.0
S	.2	.7	.2	.4								1.5	6.9
SSW	1.1	1.9	3.0	.9								8.9	7.3
SW	1.9	2.8	3.7	2.0	.2							10.6	7.7
WSW	.4	3.0	7.8	.9	.2	.2						12.4	9.4
W	.4	1.5	2.2	1.3	.2							5.6	8.3
WNW	.7		.9	.6								2.2	8.0
NW	.2	.7	.2	.2								1.3	6.3
NNW	.7	1.1	.6									2.4	4.7
VARBL	2.8	.7										3.5	2.3
CALM												22.0	
	13.5	24.2	31.9	7.6	.9	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 69-70 MONTH \_\_\_\_\_  
 CLASS ALL WEATHER HOURS (L & G) 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	.9	1.1	2.8	1.1								5.9	7.2
NNE	.9	3.3	2.7	1.7								9.5	7.4
NE		.4	3.0	.6								3.9	3.7
ENE	.2	.9	2.0	.9								4.1	3.5
E	.9	2.4	1.9	.7								5.9	5.2
ESE	.6	.6	.7									1.9	5.5
SE	.2	.9	.2									1.3	5.2
SSE		.9	1.3									2.2	6.7
S	.6	.7	2.6									3.9	7.2
SSW	.2	2.0	4.6	.9								7.2	6.2
SW	.9	1.7	3.3	2.8	.2	.2						9.1	9.3
WSW	1.1	3.1	4.9	5.2	.4							16.7	9.1
W	.9	1.9	4.4	4.1								10.7	9.4
WNW	.4	.4	.4	.7								2.0	3.8
NW		1.1	.2	.2								1.5	6.1
NNW	.6	1.1	.9									2.6	3.3
VARBL	2.4	.9		.4								3.7	3.9
CALM												7.2	
	10.2	23.5	39.1	19.3	.6	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 36077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 12

CLASS ALL WEATHER POWER 14.0

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	1.3	.9								6.4	6.5
NNE	.4	3.1	3.1	1.3								9.7	7.6
NE	.9	2.9	2.0	.6								3.4	3.4
ENE	.4	2.0	1.9	1.3								5.6	4.7
E	.6	.7	4.4	1.7								7.4	5.9
ESE		.7	1.1									1.6	6.8
SE	.2	.6	.6									1.3	5.6
SSE		.7	.6									1.3	6.9
S	.2	.7	2.4	.2								3.8	7.6
SSW	.4	2.0	3.1	.2								5.4	7.2
SW	.4	2.2	4.4	3.3								10.6	9.2
WSW	.4	2.6	8.7	6.3	.7	.2						18.9	10.3
W	.2	3.8	4.1	2.6	.7							11.1	8.0
WNW	.6	.9	2.0	.6								4.1	7.2
NW	.6	.6	.6									1.9	4.9
NNW	.6	.6	.4									1.5	3.0
VARBL	2.2	2.0										4.3	3.6
CALM												4.4	
	8.1	25.7	40.9	19.1	1.5	.2						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 347

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

84077 BAUHHOLDER GERMANY AAF

65-70

ALL WEATHER

14-17

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	3.3	1.3	.2								.7	5.4
NNE	.7	4.3	4.8	.9	.2							17.6	7.2
NE	.2	1.5	1.3									3.7	6.4
ENE	.4	.4	1.7	1.1								3.5	8.4
E	.6	1.7	3.0	.7								5.9	7.6
ESE	.2	1.1	.9									2.2	6.3
SE	.2	.2	.2									.5	5.7
SSE	.6	.9	.4	.2								2.7	5.2
S		.7	.9	.4								2.7	8.4
SSW	.2	2.0	2.2	.6		.2						5.2	7.3
SW		2.7	3.1	2.8								9.1	9.5
WSW	.2	3.3	3.8	4.6	.2							18.3	9.1
W	.4	3.0	3.7	2.6	.2							11.9	8.7
WNW	1.1	1.3	1.1	.9								4.5	7.3
NW	1.3	1.7	.6									3.3	4.4
NNW	.9	1.7	.4									2.6	4.1
V.A.G.N.	2.2	3.0										4.2	3.4
CALM												5.7	
	10.2	31.1	37.2	15.0	.6	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-66 MONTH NORTH

CLASS ALL WEATHER HOURS (-, ST) 1-24

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		0.3	0.3									11.7	5.0
NNE	1.7	1.7	1.7									5.0	4.7
NE			1.7									1.7	4.0
ENE		1.7	1.7									3.4	5.5
E		0.3	0.7									1.0	5.4
ESE													
SE		1.7										1.7	5.0
SSE		1.7										1.7	6.0
S		0.3		1.7								5.0	5.0
SSW	1.7	1.7	0.3									6.7	6.5
SW			1.7	1.7	1.7							5.0	13.7
WSW		0.3	1.7		1.7							13.7	7.9
W	1.7	0.3	1.0	1.7								1.7	7.9
WNW	1.7	0.3	0.0									4.0	6.0
NW		0.3										0.3	5.5
NNW													
VARBL													
CALM												3.3	
	6.7	20.7	40.7	3.0	1.7							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 60

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

24077 STATION BAUMHOLTER, GERMANY AAF STATION NAME 70 YEARS

ALL WEATHER CLASS

24077-29.0 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													
NNE													
N'E													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												100.0	
												100.0	.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 26077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 03-05  
 CLASS ALL WEATHER  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.7									2.0	5.4
NNE		1.7										1.7	4.7
NE													
ENE	.6		.6									1.2	5.5
E													
ESE		.6										.6	6.0
SE	.6											.6	2.0
SSE													
S		.6										.6	4.0
SSW	1.7	4.5	3.4									9.6	5.6
SW	2.8	5.1	2.8	1.7	.6							13.0	7.1
WSW	1.7	4.0	2.3	2.3	.6							10.7	8.1
W		.6	1.1									1.7	7.3
WNW	1.1	1.1										2.3	3.5
NW		1.1	.6									1.7	5.7
NNW													
VARBL	2.3	.6										2.8	2.4
CALM												50.8	
	11.3	20.3	12.6	4.0	1.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 177

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH JUL  
 CLASS ALL WEATHER HOURS (L & T.) 0600-0900  
 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	1.7	2.4	2.3	.2								6.4	5.9
NNE	1.1	2.4	.2									3.7	4.5
NE		1.1	.4									1.5	5.6
ENE	.2	.8	.4									1.3	5.4
E	.4	.6	.6									1.5	5.5
ESE		.6	.2									.5	6.3
SE		.4										.4	6.0
SSE	.2		.4									.6	5.3
S	.2	.9	.4	.4								1.9	6.4
SSW	.2	3.0	3.6	.9								7.7	7.4
SW	1.5	4.5	3.3	2.6	.2							14.1	7.8
WSW	1.5	3.4	3.6	3.4	.9							14.9	8.9
W	.6	1.9	1.3	1.1	.2							5.1	7.9
WNW	.8	.6	.9									2.3	5.3
NW	.8	.8	.2									1.7	4.1
NNW	.6	.9	.6									2.1	5.3
VARBL	2.1	.9										3.0	3.0
CALM												30.9	
	11.7	23.2	22.2	8.7	1.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 531



DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

20077  
STATION

BAUMHÖLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

J L  
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	1.9	1.3									3.8	5.7
NNE	.2	2.3	1.1	.2								3.8	6.2
NE		.9	1.1									2.1	6.9
ENE		.8	.2									.9	5.6
E	1.1	2.6	1.9	.6								6.2	6.5
ESE	.2	1.2	1.2	.4								3.2	7.5
SE		.8	.2									.9	5.4
SSE	.2	.6	.4									1.1	5.7
S	.4	1.7	1.9									4.0	6.4
SSW	.4	2.4	4.0	1.2	.2							8.2	8.2
SW	.8	1.2	6.4	2.4	.6	.2	.4					12.1	10.1
WSW	1.3	2.8	6.8	6.6	2.1		.2					19.8	10.7
W	1.5	3.6	3.8	2.8	.2							11.9	8.0
WNW	.2	1.9	.9	.2								3.2	6.0
NW	.8	1.1	1.1	.4								3.4	6.4
NNW	.9	.9	.4									2.3	4.1
VARBL	2.4	2.3										4.7	3.5
CALM												8.5	
	10.9	29.2	32.8	16.9	3.0	.2	.6					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 531

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 20077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH JUL  
 CLASS ALL WEATHER HOURS (LST) 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	.4	1.3	1.7									3.4	6.7
NNE	1.0	2.5	1.0									4.4	5.1
NE	.2	.6	.4	.2								1.3	6.0
ENE	.4	.6	.6	.2								1.7	6.4
E	.4	1.3	2.1	.8								4.6	7.4
ESE	.2	.8	.8									1.7	6.4
SE		.8		.2								1.0	6.4
SSE	.2	.4	.4									1.0	6.0
S		1.9	1.1	.2								3.3	6.1
SSW		2.3	4.4	1.5	.2							8.4	8.9
SW	.6	1.5	6.5	3.3	.4							12.3	9.3
WSW	1.1	3.3	7.7	7.1	1.9	.6	.2					21.6	10.3
W	1.1	2.9	6.8	2.3	.4	.2	.4					13.6	9.1
WNW	.6	1.5	1.5									3.6	5.6
NW	.6	.6	1.1									2.3	6.6
NNW	.8	.4	.4	.4								2.3	6.1
VARBL	4.6	2.5										7.1	3.4
CALM												6.1	
	12.1	25.5	36.2	16.1	2.9	.6	.6					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC.

**SURFACE WINDS**

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

STATION 20077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH J L  
 CLASS ALL WEATHER HOURS (L S T) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.3	1.1									3.9	5.4
NNE	.2	4.0	1.1									5.4	5.5
N-E	.6	.8	.6									1.9	5.2
ENE	.2	1.5	1.3									3.1	5.4
E	.4	1.5	2.3	.2								4.4	6.9
ESE	.2	1.1	.4									1.7	5.2
SE		.8	.4									1.1	5.2
SSE	.2	.4	.2									.8	5.0
S	.6	.8	1.1	.2								2.7	5.4
SSW	1.0	1.5	2.7	.8								5.9	7.2
SW	1.0	2.7	4.8	1.9	.4							10.7	8.5
WSW	.6	2.9	6.1	4.6	1.3							15.5	10.1
W	.8	2.8	5.7	4.0	.8	.8						15.9	9.7
WNW	1.1	2.9	2.5	.6								7.1	6.4
NW	.6	2.5	.4									3.4	5.0
NNW	.8	1.3	.6	.6								3.3	6.8
VARBL	3.1	2.9										5.9	3.5
CALM												7.3	
	11.8	22.7	31.6	12.8	2.5	.8						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077 STATION BAUMHOLDER GERMANY AA STATION NAME

65-66 YEARS

1870-2007 MONTH  
 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	3.2		1.6								8.1	5.0
NNE		1.6										1.6	6.0
NE	1.6											1.6	2.0
ENE													
E													
ESE													
SE	1.6	1.6										3.2	4.5
SSE													
S	1.6		1.6									3.2	5.0
SSW	1.6	3.2	1.6									6.5	4.8
SW	1.6	3.2	3.2	1.6								9.7	7.2
WSW	1.6	3.2	14.5	4.8	1.6							25.7	9.5
W	1.6	3.2	9.7									14.5	7.2
WNW	1.6	3.2										4.8	4.3
NW		1.6	1.6	1.6								4.8	8.0
NNW	1.6	3.2										4.8	4.0
VARBL													
CALM												11.3	
	17.7	27.6	22.3	9.7	1.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

62

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION: 34077 STATION NAME: BAUMHOLDER GERMANY AAF YEARS: 68 MONTH: 00  
 CLASS: ALL WEATHER HOURS (LST): 000-0200  
 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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW	33.3	33.3										66.7	4.5
W													
WNW		33.3										33.3	6.0
NW													
NNW													
VARBL													
CALM													
	33.3	66.7										100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34077 STATION BAUMHOLDER GERMANY AAF STATION NAME 65-70 YEARS MONTH 3  
 CLASS ALL WEATHER HOUSE (L & T) 30-0500  
 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	.6	1.7	1.1									3.3	5.5
NNE	1.7	1.7	.6									3.9	4.3
NE		1.1	.6									1.7	6.0
ENE		1.7										1.7	4.3
E													
ESE	.6	.6										1.1	3.0
SE		.6										.6	6.0
SSE													
S	.6	1.1	1.1									2.9	6.0
SSW	1.7	1.7	2.2	.6	1.1							7.2	7.9
SW	2.2	2.0	3.3									10.5	5.6
WSW	.6	2.8	3.9	1.7								8.9	7.6
W	.6	3.3	.6									4.4	5.4
WNW	.6	.6										1.1	4.0
NW	.6											.6	3.0
NNW													
VARBL	1.7											1.7	1.7
CALM												50.8	
	11.0	21.5	12.3	2.2	1.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 181

DATA PROCESSING DIVISION  
 AFAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 86077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 4, 5  
 CLASS ALL WEATHER HOURS (LST) 0600-0800  
 CONDITION \_\_\_\_\_

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	3.0	1.3	.2								5.7	5.3
NNE	1.3	2.2	1.7									6.1	5.1
NE	.6	1.3	1.1									3.2	5.5
ENE	.4	.2	.4									.9	5.4
E		.4	.2									.6	6.7
ESE		.7	.2									.9	5.2
SE			.2									.2	8.0
SSE	.2		.2									.4	3.0
S	.6	.9	.7	.2								2.4	6.1
SSW	1.3	2.6	4.7	.6	.2							9.3	7.1
SW	1.7	3.6	3.5	.7	.2							11.5	6.5
WSW	1.1	2.6	2.2	2.8								14.7	8.3
W	.4	1.7	2.0	1.1	.2							5.4	7.8
WNW	.2	.7	.4									1.3	4.7
NW	.6	.2										.6	3.3
NNW	.6	.9										1.5	3.6
VARS:	3.2	.7										3.9	2.6
CALM												31.3	
	17.0	24.8	26.8	3.6	.6							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 36077 STATION NAME BAUMHÖLDER GERMANY AAF YEARS 65-70 MONTH 12  
 CLASS ALL WEATHER HOURS (LST) 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	1.3	.7	1.7	.4								4.1	5.3
NNE	.6	3.0	3.2	.2								6.7	6.6
NE	.6	1.3	1.7	.2								3.5	7.0
ENE		1.1	.9	.2								2.2	5.3
E	.2	2.4	3.0	.7	.4							6.7	8.2
ESE	.6	1.5	1.1									3.2	6.2
SE		1.3	.2									1.5	5.3
SSE	.4	1.7	.6									2.6	3.8
S	.2	1.1	1.9									3.2	6.6
SSW	.4	1.7	3.4	2.2	.2							9.9	9.2
SW	.4	2.6	3.9	2.0	.4							9.3	8.6
WSW		1.7	11.0	6.3								19.0	10.0
W	.6	2.4	4.3	1.9								9.3	8.2
WNW		.7	.6									1.3	6.7
NW	.6	.9	.2									1.7	4.7
NNW		.6										.6	4.7
VARBL	4.3	2.0										6.3	3.1
CALM												8.9	
	9.7	26.6	39.7	14.2	.9							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 537



DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 30077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH AUG  
 CLASS ALL WEATHER HOURS (LST) 1200-1400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.7	1.2	.2								4.6	5.0
NNE		1.9	2.1	.2								4.2	5.9
NE	.2	2.1	.6	.4								3.2	6.4
ENE	.2	2.1	1.9	.4								4.6	6.8
E	1.1	2.3	3.3	1.3								8.0	7.5
ESE	.2	1.3	.6		.2							2.3	6.8
SE		.6	.6									1.1	6.2
SSE		.4	.8									1.3	6.9
S	.6	1.5	2.5	.6								5.2	7.4
SSW	.4	1.7	3.2	2.9	.4							10.5	9.3
SW	.2	1.0	4.0	2.1	.2							7.5	9.6
WSW	.2	1.8	11.7	6.7	.4							20.7	10.7
W	.2	2.9	4.6	2.1	.2				.2			10.0	8.8
WNW	.4	.4	1.1									1.9	6.2
NW	.4	.8	.2									1.3	5.1
NNW	.4	.8	.4	.2								1.7	6.0
VARBL	3.3	3.1										6.3	3.5
CALM												5.4	
	8.0	27.2	40.8	17.0	1.3				.2			100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

24077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

3  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	2.3									4.4	6.2
NNE	.6	2.8	2.5	.2								5.7	6.8
NE	.4	1.9	1.0									2.7	6.0
ENE	.8	2.1	1.9									4.8	6.1
E	.8	2.9	2.7	.2	.2							6.1	7.1
ESE	.2	1.2	.6	.2								2.8	5.2
SE		.4	.4									.8	5.0
SSE	.4	1.9	1.2									3.8	6.2
S	.2	1.9	2.3	.4	.2							3.0	8.0
SSW		1.5	3.6	1.5	.2							6.9	9.1
SW		2.2	3.8	1.9								8.2	8.7
WSW	.2	3.1	8.0	2.6	.8							17.4	9.8
W	.2	3.4	4.8	2.5	.2							11.1	8.7
WNW	.2	3.1	.8									4.0	5.2
NW	.8	.6	.6									1.7	5.2
NNW	.8	.8	.4									1.9	4.5
VARBL	3.1	2.9										5.9	3.5
CALM												6.7	
	8.8	22.5	37.2	12.8	1.5							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

522

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-66,68 MONTH 4 3  
 CLASS ALL WEATHER HOURS (L S T) 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	1.5	2.9	1.5									5.9	5.5
NNE		1.5	1.5									2.9	8.0
NE													
ENE	1.5	2.9										4.4	4.3
E		1.5	2.9									4.4	7.7
ESE													
SE		1.5			1.5							2.9	11.5
SSE													
S		2.9	5.9									8.8	7.5
SSW	1.5	1.5	2.9									5.9	6.5
SW		7.4	1.5	2.9								11.8	7.1
WSW		7.4	5.9	2.9								16.2	7.6
W	1.5	4.4	1.5									7.4	4.8
WNW		2.9										2.9	5.5
NW	1.5	1.5		1.5								4.4	6.0
NNW	1.5	2.9										4.4	4.3
VARBL													
CALM												17.6	
	8.8	41.2	22.5	7.4	1.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 68

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 66 MONTH 13  
 CLASS ALL WEATHER HOURS (L S Y.) 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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW		16.7										16.7	5.0
SW			16.7									16.7	7.0
WSW		50.0										50.0	5.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												16.7	
		66.7	16.7									100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 BAUMHOLDER GERMANY AAF STATION NAME 68 YEARS SEP MONTH  
 CLASS ALL WEATHER HOURS (L S T.) 000-0200  
 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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW	50.0	50.0										100.0	3.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												0.0	
	50.0	50.0										100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AFR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH SEP  
 CLASS ALL WEATHER MONTH 03-05  
 CONDITION \_\_\_\_\_  
 HOURS (L.S.T.) \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.8										2.4	4.0
NNE	.6	.6										1.2	3.5
NE	.6											.6	3.0
ENE	.6	.6										1.2	3.5
E	.6	.6	.6									1.8	6.0
ESE		.6		.6								1.2	7.5
SE	.6											.6	2.0
SSE		.6	.6									1.2	7.5
S	.6	2.4	2.9									5.9	6.0
SSW	1.8	2.4	1.2	.6		.6						6.0	7.9
SW	2.4	4.7	2.9	.6								14.7	6.4
WSW	.6	2.9	4.1	1.8								9.4	8.7
W	.6	1.2	.6	.6								2.9	7.4
WNW	.6											.6	3.0
NW				.6								.6	12.0
NNW	.6											.6	3.0
VARBL	.6											.6	2.0
CALM												47.4	
	12.9	18.2	15.9	4.7		.6						100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 170

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH SEP  
 CLASS ALL WEATHER HOURS (LST) 260-0900  
 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	1.6	1.2	.4	.4								3.5	5.2
NNE	1.4	2.3	.6	.2								4.5	4.2
NE	.2	1.4										1.4	4.0
ENE		1.6	.2									1.8	5.6
E	.2	.8	.4									1.4	6.1
ESE		.4		.2								.4	5.7
SE	.2	.2										.4	5.5
SSE		.6	.4	.2								1.2	7.3
S	.6	1.2	1.6		.4							3.7	7.6
SSW	.8	1.4	2.7	1.8	.4							8.7	8.5
SW	1.9	4.5	7.2	2.7								16.2	7.6
WSW	.4	4.1	6.6	2.9								14.7	8.3
W		1.0	.8	.8								2.5	8.5
WNW	.4	.4										.8	3.5
NW	.8											.8	2.3
NNW	.6											.6	2.3
VARBL	1.8											1.8	1.8
CALM												36.0	
	10.7	20.5	21.0	9.1	.8							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 514

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

000-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	1.0	.6								3.7	5.6
NNE	.4	2.7	1.7									4.7	6.1
NE	.6	1.6	1.4	.2								3.7	6.2
ENE	.4	1.9	1.9									4.7	6.9
E	.4	2.3	2.9	.2								3.7	7.1
ESE	.2	.6	.8									1.4	6.2
SE	.2	1.0										1.2	4.3
SSE		.8	.4	.2								1.4	6.9
S	.2	1.6	2.3	1.4	.2							5.7	8.8
SSW	.4	1.9	6.0	3.9	.4							13.4	9.6
SW	.4	3.3	3.0	3.1	.2							17.2	8.8
WSW	1.4	3.3	8.9	5.6	.8							20.7	9.3
W	.2	.8	3.3	1.4								3.4	9.4
WNW	.2	.2										.4	3.5
NW	.6	.2										.8	3.3
NNW	.6	1.4										1.9	3.9
VARBL	1.9	.8										2.7	2.9
CALM												10.7	
	8.9	25.8	36.6	16.2	1.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 516



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077 BAUHHOLDER GERMANY AAF

65-70

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

12 - 14.0  
 HOURS (LST)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	1.0									2.1	5.1
NNE	.8	2.4	2.4									3.4	6.1
NE	.2	2.0	1.2	.2								3.2	6.4
ENE	.2	1.6	2.4	.2								4.2	7.3
E	.8	1.4	3.2	.8								6.1	7.4
ESE		2.2	1.4	.4								4.2	7.1
SE	.2	1.0	.6	.2								2.1	7.1
SSE		1.2	2.0	.2								3.4	7.7
S	1.0	1.0	2.8	1.2	.2		.4					2.8	9.2
SSW	.6	1.2	3.6	2.6	.6							2.8	10.0
SW	.4	1.8	3.7	4.9	.8							12.4	10.2
WSW		1.4	6.9	7.3	1.0							16.6	11.1
W	.4	1.6	4.2	4.2	.2							10.5	9.9
WNW	.4	.6	.4									1.4	8.6
NW		.6										.6	8.0
NNW	.2											.2	8.1
VARBL	2.6	1.8										4.3	3.6
CALM												5.9	
	8.1	23.1	37.5	22.1	2.8		.4					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 504

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH SEP  
 CLASS ALL WEATHER MONTH 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	.6	1.6	1.2									3.4	5.5
INE	1.4	3.2	1.6	.2								6.3	5.6
NE	.4	1.6	.8									2.0	5.9
ENE	.8	3.0	.8									4.5	5.3
E	.2	3.7	2.6									6.5	5.2
ESE	.6	1.4	.6									2.5	5.6
SE	.2	.8	.4	.2								1.4	6.6
SSE	.4	1.4	1.2	.2								3.2	6.6
S	.8	3.0	2.8	.6	.2		.2					7.5	7.6
SSW	.6	3.2	1.6	2.6	.4							9.3	8.9
SW	.4	3.2	3.7	1.8	.2							5.5	7.9
WSW	.6	4.1	7.7	4.9	.2	.2						17.4	9.2
W	.6	2.4	5.1	2.8	.2							11.0	9.0
WNW	.2	.6	.6	.2								1.6	6.8
NW		.6										.5	4.3
NNW	.2		.2									.4	5.0
VARBL	3.0	1.8										4.7	3.4
CALM												8.1	
	10.8	35.3	30.8	12.4	1.2	.2	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 337

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHÖLDER GERMANY AAF YEARS 65-66 MONTH SEP

CLASS ALL WEATHER HOURS (LST) 1-20

CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7											1.7	3.0
NNE	1.7	5.0	1.7									8.3	5.2
NE	1.7											1.7	3.0
ENE		3.3										3.3	5.0
E	3.3	1.7										5.0	3.3
ESE			1.7									1.7	9.0
SE				1.7								1.7	12.0
SSE													
S	3.3	1.7	3.3	1.7								10.0	7.0
SSW		3.3	1.7									5.0	6.3
SW		1.7	3.3									5.0	7.7
WSW		3.3	10.0	1.7								15.0	8.1
W	3.3		3.3									6.7	6.3
WNW													
NW		1.7										1.7	5.0
NNW													
VARBL													
CALM												33.3	
	15.0	21.7	25.0	5.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 67

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 24077 STATION NAME BAUMHOLDER GERMANY AAF YEAR 65-70 MONTH 07  
 CLASS ALL WEATHER HOURS (L Z Y) 3 1-3 27  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPED
N	.6	1.7										2.3	4.8
NNE	1.1	2.9	.6									4.5	4.4
NE	.6	1.1										1.7	3.3
ENE	.6		1.1									1.7	3.7
E	1.7	1.1										2.9	3.4
ESE		1.1	1.1									2.3	7.2
SE	.6	.6										1.1	3.2
SSE		.6										.4	4.2
S	1.1			1.1								2.3	7.5
SSW	2.3	1.1	2.9	.6	.6							7.4	7.4
SW	2.3	4.0	4.0	1.7	.6							12.6	7.6
WSW	2.3	2.3	4.0	4.0			.6					13.1	9.4
W	.6	.6	1.7	.6								3.4	3.7
WNW	1.7	.6										2.3	3.2
NW	.6	1.1	.6									2.3	6.2
NNW	1.1											1.1	2.5
VARBL	1.1											1.1	2.0
CALM												37.1	
	18.3	28.9	18.0	8.0	1.1		.6					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 175

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077 STATION BAUMHOLDER GERMANY AAF STATION NAME 65-70 YEARS 07 MONTH 06 - 07 HOURS (LST) 00

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.3	.4	.6								3.7	5.1
NNE	1.1	2.3	1.7	.4								5.4	4.2
NE	.2	.2	1.7	.2								2.3	7.2
ENE	.9	2.1	.8	.2								3.7	4.2
E	.2	1.1	.4									1.7	4.2
ESE		.6										.4	4.2
SE													
SSE	.2	.4										.6	4.7
S	1.1	.9	.8	.4	.2							3.4	5.4
SSW	1.7	2.8	2.4	.8	.6							8.2	7.2
SW	.9	4.3	3.1	1.7	.6							12.5	8.2
WSW	1.3	2.8	3.2	4.9	.6	.2						12.9	9.2
W	.8	.4	2.8	1.7		.2						3.2	9.2
WNW	.6		.2									.2	3.3
NW		.2	.2									.4	5.5
NNW	.2	.2	.2									.5	6.2
VARBL	1.7	.2										1.9	2.3
CALM												36.7	
	12.0	19.7	19.7	10.2	1.9	.4						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 332

DATA PROC. SING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 14077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 1970 MONTH 07  
 CLASS ALL WEATHER MONTH 07-11  
 HOUR (LST)   
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	.4	.9									3.2	4.0
NNE	1.1	2.1	1.5	.2								4.9	5.5
NE	.2	1.5	1.5	.4								3.6	7.0
ENE		1.1	2.4	.4								3.0	5.3
E	1.7	3.6	1.1	.2								6.4	5.3
ESE	.2	1.3	.9	.2								2.4	7.1
SE	.4	.4										.7	4.3
SSE	.2	.6	.6	.2								1.4	7.1
S	.2	.6	2.1	.9	.2							3.7	9.4
SSW	.2	1.7	4.4	1.7								9.6	8.8
SW	.6	2.4	3.1	2.1	.4	.7						11.2	9.9
WSW	.6	3.6	6.2	6.4	1.1		.2					18.0	10.0
W	.6	1.7	2.7	2.2	.2							8.4	9.1
WNW	.2	.9	.9	.2								2.2	6.8
NW	.2	.4	.2									.7	5.3
NNW	.2	.6		.2								.9	6.4
VARBL	2.4	.4										2.8	2.5
CALM												14.8	
	10.7	23.0	33.5	15.2	1.9	.7	.2					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 334

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

### SURFACE WINDS

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

STATION: 34077 STATION NAME: BAUHHOLDEN GERMANY AAF YEARS: 65-70 MONTH: CT  
 CLASS: ALL WEATHER MONTH: 12-14  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	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	1.2									2.7	5.6
NNE	.8	1.4	2.3	.4								4.9	5.0
NE	.6	1.6	1.6	.6	.2							4.5	7.3
ENE	.4	1.9	3.3	.8								6.4	7.9
E	1.2	3.1	2.1									6.4	5.9
ESE	.6	2.1	.8									3.5	5.1
SE	.4	2.1	.6									3.1	5.1
SSE	.4	.8	1.4									2.3	5.7
S	.2	1.6	3.1	.8	.2							5.7	5.6
SSW	.2	1.2	2.1	1.0								4.3	4.2
SW	.2	2.5	3.3	3.1	1.0							12.1	6.7
WSW	.4	3.5	3.3	5.4	.2		.4					18.1	10.4
W	.4	1.9	4.9	2.7	.6		.2					10.9	13.0
WNW		.6	.6	.2								1.4	7.9
NW	.4	.4	.2									1.1	4.1
NNW	.4	.8	.2	.2								1.6	5.4
VARBL	4.3	.2										4.5	2.3
CALM												6.0	
	11.3	20.7	34.9	16.3	2.1		.6					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 513

DATA PROCESSING DIVISION  
 RTAC/USAF  
 ASR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

26077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

17  
MONTH

ALL WEATHER  
CLASS

17-17  
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	1.8	.8									3.2	5.4
NNE	1.2	3.2	1.6									5.2	5.7
NE	1.2	1.8	1.8									4.8	5.5
ENE	2.0	2.4	2.6		.2							7.2	5.7
E	2.0	2.6	.6									6.2	4.6
ESE	1.2	1.4	.2									2.8	4.2
SE	.2	.4	.2									.6	3.5
SSE	.6	1.6	1.8									4.2	6.2
S		2.4	.8	.4								3.4	6.7
SSW	1.0	1.8	2.6	1.8								7.2	7.5
SW	1.0	2.4	4.8	2.4								12.6	8.2
WSW	1.2	4.0	4.2	6.4								18.8	9.1
W	1.0	1.6	2.6	1.6	.4							8.2	8.5
WNW	.2	.4	.6	.2								1.6	7.1
NW		.4	.2									.6	5.7
NNW	.6	.4	.2									1.2	4.0
VARSL	2.4	.6										3.2	2.7
CALM												14.4	
	16.4	29.1	26.5	12.8	.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 301



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

36077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-66  
YEARS

CT  
MONTH

ALL WEATHER  
CLASS

187-200  
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			1.6									1.4	7.0
NNE	1.6	1.6	3.2									6.5	5.0
NE	3.2	6.3		1.6								11.3	5.4
ENE		1.6	6.5									8.1	7.6
E	3.2		1.6									4.0	5.0
ESE													
SE													
SSE		1.6	1.6									3.2	5.0
S			1.6									1.6	7.0
SSW	1.6	3.2	1.6	1.6								8.1	6.2
SW	3.2	4.8	3.2									11.3	5.7
WSW	1.6	1.6	1.6									4.8	5.7
W													
WNW													
NW													
NNW	1.6											1.6	3.0
VARBL													
CALM												37.1	
	10.1	21.0	22.6	3.2								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

62

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 00077 STATION NAME BAUMHOLDER GERMANY AAF YEAR 65-70 MONTH 7  
 CLASS ALL WEATHER HOURS (L & T) 0000-0500  
 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	1.9	2.5										4.4	4.1
NNE	.6	3.8	1.9									6.3	5.2
NE		1.3	1.9									3.1	7.0
ENE		1.3	2.5									3.8	7.5
E		.6	.6									1.3	8.0
ESE	.6											.6	2.0
SE													
SSE													
S		1.3	1.3	.6								3.1	7.4
SSW	.6	3.1	4.4	1.9	2.5	.6						13.1	10.8
SW	1.3	1.3	3.8	2.5	1.3							10.0	10.4
WSW	1.3	2.5	3.0	6.3	1.3	.6	.6					17.5	11.1
W		1.3	2.5	.6	.6							5.0	9.6
WNW		.6	1.3									1.9	6.3
NW			.6									.6	3.0
NNW		.6										.6	4.0
VARBL	2.5											2.5	1.5
CALM												26.3	
	8.8	20.0	25.6	11.9	5.6	1.3	.6					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 160

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14077 STATION BAUMHOLDER GERMANY AAF STATION NAME 65-70 YEARS                      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	1.2	3.4	1.2									5.5	5.1
NNE	1.2	3.4	1.2	.2								6.1	5.6
NE	.4	2.2	1.2									3.7	5.9
ENE	.8	.8	1.2	.2	.2							3.2	7.3
E	1.0		.6	.4								2.7	6.4
ESE		.2	.2									.4	5.5
SE	.4	.2		.4								1.7	6.6
SSE	.4		.6		.2							1.2	8.5
S	.4	1.4	1.6	.4								3.8	7.2
SSW	.4	2.4	3.4	1.4	1.6	.4						9.7	10.5
SW	.8	3.0	4.7	5.9	2.2	.2						16.8	11.3
WSW	.4	2.0	4.9	4.7	.6	.2						12.8	10.9
W	.2	1.0	2.8	1.8								5.9	9.3
WNW		.8	.2									1.7	5.8
NW		.2										.2	4.0
NHW		.4										.4	5.3
VARRL	2.8	.2										3.7	1.9
CALM												22.7	
	10.8	21.9	23.9	13.4	4.9	.8						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 494

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

94077

BAUMHOLDER GERMANY AAF

69070

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

090-110

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	3.2	.8	.4								9.5	5.2
NNE	1.2	4.2	1.8	.4								7.7	5.9
NE	.4	1.6	1.2	.2								3.4	6.4
ENE	.6	.8	1.6	1.0	.2							4.2	5.8
E	.2	2.2	1.0	.6								4.4	7.1
ESE	.6	.6	.2									1.4	4.6
SE	.2	.6	.2	.2								1.2	6.5
SSE	.4	.2	.6	.2	.2							1.6	9.8
S	.2	1.4	1.2	.2								3.1	7.1
SSW	.4	1.6	2.4	3.0	1.0	.2						9.7	11.1
SW	.4	2.2	7.5	5.5	2.0	.2						17.8	11.1
WSW	.4	2.8	5.5	6.9	2.2	.4						18.2	11.4
W	.6	1.4	3.0	.4	.2							5.7	7.8
WNW		.6	.2									.5	6.0
NW		.2										.2	4.0
NNW	.2	.2										.4	3.5
VARBL	.8	.6										1.4	3.0
CALM												14.7	
	7.7	24.6	27.3	19.0	5.9	.8						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

495

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH 12-14  
 CLASS ALL WEATHER HOURS (LST) 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	.6	1.5	1.5	.2								3.7	5.1
NNE	1.1	3.2	1.9	.6								6.5	6.5
NE	.4	2.1	2.6									5.1	6.6
ENE	.6	1.2	1.3	.9								4.1	7.4
E	.6	1.7	.9	1.5								4.7	4.1
ESE		1.9	.4									2.3	5.3
SE		1.5	.4									1.9	5.7
SSE		.6	.4	.4								1.8	8.3
S		1.3	1.1	.6		.2						3.2	8.7
SSW	.6	1.7	2.3	1.9	.6							7.2	9.5
SW		2.3	4.9	5.3	1.9	.4						14.9	11.7
WSW	.4	1.3	8.7	7.3	1.7							19.8	11.1
W	.2	.2	4.9	2.1								7.3	9.6
WNW		.9	.2									1.1	3.8
NW	.2	.4										.4	3.7
NNW		.2										.2	6.0
VARBL	3.0	.6										3.6	2.7
CALM												11.3	
	7.3	23.0	31.6	21.1	4.3	.6						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 469

DATA PROCESSING DIVISION  
 STAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

34077 STATION BAUMHÖLDER GERMANY AAF STATION NAME 65-70 YEARS MONTH 15-17 HOURS (L S T)  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.8	.9	1.1								4.3	7.4
NNE	.9	2.0	2.0	.2								5.2	6.6
NE	.4	1.6	1.8									3.8	6.4
ENE	.4	2.2	1.8	.4	.2							4.7	7.3
E	.9	2.7		1.1	.2							4.9	5.9
ESE	.7	.7	.4	.2								2.0	6.0
SE	.2	.4	.4									1.1	5.0
SSE	.7	1.3	.7									2.7	5.3
S	.2	1.3	1.1	.2	.4	.2	.4					4.0	11.3
SSW	.2	2.0	.9	.7	.9							4.7	9.4
SW	.7	3.6	3.8	3.1	1.3	.7						13.3	10.2
WSW	.2	2.7	7.4	6.3	2.2	.2						19.1	11.0
W		1.8	3.1	.4								5.2	8.0
WNW		.2	.4									.7	6.3
NW	.2	.2	.2									.7	4.7
NNW	.4	.2	.2									.9	4.3
VARBL	2.3	.2										2.7	2.3
CALM												20.0	
	9.2	24.9	24.9	13.9	3.4	1.1	.4					106.0	6.9

TOTAL NUMBER OF OBSERVATIONS 445

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 16077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65 MONTH \_\_\_\_\_  
 CLASS ALL WEATHER HOURS (LST) 2400  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		6.9	3.4									10.2	4.0
NNE	3.4		3.4	3.4								10.2	7.3
NE			3.4									3.4	10.0
ENE	3.4		3.4									6.9	5.5
E				3.4								3.4	13.0
ESE			3.4									3.4	10.0
SE		3.4										3.4	4.0
SSE			3.4	3.4								6.9	10.0
S				3.4								3.4	16.0
SSW						3.4						3.4	25.0
SW					3.4							3.4	20.0
WSW		3.4	6.9	3.4		3.4	3.4					20.7	15.2
W				3.4								3.4	11.0
WNW													
NW													
NNW	3.4											3.4	3.0
VARBL													
CALM												13.2	
	10.2	13.8	27.6	20.7	3.4	6.9	3.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION  
 BTAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH DEC  
 CLASS ALL WEATHER HOURS (LST) 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	.8			.8								1.6	7.0
NNE		1.6	.8									2.4	6.7
NE		1.6										1.6	4.3
ENE	.8	2.4	.8									4.0	4.6
E		3.2										3.2	5.0
ESE		.8	1.6									2.4	7.0
SE													
SSE		.8										.8	5.0
S			.8	.8								1.6	11.0
SSW			5.6		.8							6.4	10.1
SW	1.6	1.6	5.6	1.6	1.6	.8						12.9	12.1
WSW		2.4	5.6	8.9	4.0							21.0	12.3
W		3.2	3.2			.8						7.3	8.4
WNW	.8		.8									1.6	6.0
NW													
NNW	.8											.8	3.0
VARBL	4.0											4.0	2.4
CALM												28.2	
	8.9	17.7	28.0	12.1	6.5	1.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 124



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 34077 STATION NAME BAUMHÖLDER GERMANY AAF YEARS 65-70 MONTH EC  
 CLASS AL WEATHER HOUR (LST) 1600-1700  
 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	.9	.6	.6									2.1	4.9
NNE	2.1	2.8	1.9	.2								7.1	5.2
NE	.4	.4	1.3									2.1	5.5
ENE	.4	1.7	.9	.2								3.2	5.4
E	.4	2.1	.6	.2								3.4	5.5
ESE	.2	1.7	.4									2.4	5.4
SE		.4	.2	.2								.7	5.3
SSE		.4										.4	5.4
S	.4	.6	.2	.6								1.9	6.0
SSW	.6	1.7	1.9	1.9	.9	.2						7.3	6.6
SW	1.3	2.8	3.8	3.0	1.5	.2	.2					14.7	11.1
WSW	1.3	3.4	4.5	4.9	3.0	.4	.2					17.7	11.4
W	.2	1.3	4.5	1.3								7.3	9.4
WNW		.4	.6									1.1	8.4
NW	.4	.2	.2									.9	4.3
NNW													
VARBL	3.4	1.7										5.1	3.4
CALM												22.4	
	12.2	22.4	22.7	12.6	5.3	.9	.4					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 468

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 26077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH EC  
 CLASS ALL WEATHER HOURS (LST) 00-11  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	.4	.2								1.6	4.1
NNE	1.6	2.7	2.3									6.6	5.8
NE	.8	2.7	.4									3.9	4.9
ENE	.6	1.6	1.8	.2								4.3	5.2
E	.8	2.3	2.3									5.8	4.9
ESE	.4	1.4	.2									2.0	4.9
SE	.4	.4	.4	.2								1.4	7.3
SSE	.2	.6		.4								1.2	7.2
S		.8	.2	.6								1.6	9.0
SSW	.8	1.2	1.2	2.3	.8							6.4	10.3
SW	.8	2.7	4.5	5.7	1.4	.4	.2					15.8	11.1
WSW	1.0	3.3	6.6	5.9	2.0	.8						19.7	11.1
W	.2	1.6	3.3	1.6								7.0	8.7
WYW	.2	.6	.6									1.4	6.4
NW		.6		.2								.8	3.3
NNW		.6	.2	.2								.8	7.0
VARBL	4.1	1.2										5.3	2.0
CALM												14.0	
	12.3	25.0	24.6	17.6	4.3	1.2	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 400

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 94077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 65-70 MONTH FC  
 CLASS ALL WEATHER HOURS (L.S.T.) 12-14  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥55	%	MEAN WIND SPEED
N	.2	1.1	.7									2.7	3.9
NNE	.4	4.7	2.7									7.8	5.9
NE	.7	1.6	.2									2.4	4.2
ENE	.7	1.8	.9	.2								3.4	3.7
E		3.3	1.0									3.1	4.2
ESE	.9	.7										1.4	3.3
SE	.4	1.3										1.7	4.1
SSE	.2	.7	.4	.2								1.4	6.6
S		.9	.9	.9	.7							3.3	10.9
SSW	.4	1.1	1.3	.7	1.1	.4						5.1	11.3
SW	.9	2.0	4.7	3.3	1.1	.9						12.9	11.0
WSW	1.3	3.6	8.2	3.3	2.9	1.6						22.9	11.1
W	.7	1.6	5.8	2.0	.9							10.9	9.5
WNW		1.3	.9									2.2	6.3
NW		.4	.2									.7	6.7
NNW	.4	.7	.2									1.3	4.2
VARBL	3.6	3.6	.2									7.3	3.3
CALM												7.6	
	10.9	30.2	29.1	12.7	6.7	2.9						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 450

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

84077 STATION BAUMHOLDER GERMANY AAF STATION NAME 65-70 YEARS MONTH

ALL WEATHER CLASS

12-17 HOUR. (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	.5	1.0	.3									1.7	4.7
NNE	.5	1.8	.8	.8								3.1	4.3
NE	1.3	1.8	.3									3.4	4.6
ENE	.8	2.8	1.3									4.9	5.4
E	.8	1.7	2.6									4.1	6.2
ESE	1.0	.5										1.5	3.7
SE	1.0	.3	.3									1.6	4.4
SSE		.3		.3								1.1	3.1
S		2.0	1.5	.5								4.1	7.5
SSW	.3	1.0	1.5	.8	.3	.8	.3					5.1	13.8
SW	.3	1.8	3.6	4.3	1.0	.3	.3	.3				13.8	11.7
WSW	.3	2.3	3.4	4.1	1.3	1.0						17.3	10.7
W	1.3	3.1	4.6	1.3	.3	.3						11.7	8.3
WNW	.3	.8	1.0	.5								2.6	7.2
NW	.5	.8	.5									1.8	5.6
NNW	.3		.3									1.1	4.7
VAR31	4.6	1.8	.3									6.7	3.1
CALM												14.5	
	13.8	23.5	29.2	12.8	2.8	2.3	.8	.3				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 392

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

STATION 96077 STATION NAME BAUMHOLDER GERMANY AAF YEARS 55 MONTH 5  
 CLASS ALL WEATHER HOURS (LST) 1200-2100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	3.7											3.7	3.7
ESE													
SE													
SSE													
S		3.7										3.7	3.7
SSW		3.7	7.4	3.7			3.7	3.7				22.2	17.5
SW	3.7		3.7	11.1		3.7						22.2	13.5
WSW		7.4	7.4	11.1								25.5	9.8
W			3.7		3.7							7.4	13.0
WNW													
NW													
NNW			3.7									3.7	10.0
VARBL													
CALM												11.1	
	7.4	14.8	25.9	25.9	3.7	3.7	3.7	3.7				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 27

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-70  
YEARS

11  
MONTH

INSTRUMENT  
CLASS

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

11  
HOUS (L 3 T 1)

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	1.7	.3								5.5	6.1
NNE	1.0	2.9	2.6	.5	.0							7.1	6.8
NE	.4	1.3	1.0	.1	.0							2.8	4.3
ENE	.5	1.3	1.1	.2								3.1	4.8
E	.6	1.6	1.2	.2	.0							3.5	6.2
ESE	.3	.7	.6	.0								1.5	5.7
SE	.2	.5	.2	.0	.0							1.1	5.3
SSE	.2	.2	.4	.1	.0							1.1	7.3
S	.2	.9	1.3	.7	.1	.0	.0					3.2	9.2
SSW	.6	1.7	3.1	2.0	.6	.2	.0	.0				8.2	9.2
SW	.9	2.9	5.2	3.7	1.1	.2	.1	.0				14.7	10.7
WSW	.6	2.8	7.3	6.1	1.3	.4	.1	.0	.0			18.6	10.6
W	.5	1.5	3.5	2.0	.3	.1	.0					7.9	9.4
WNW	.3	.9	.9	.2	.0	.0						2.3	7.2
NW	.3	.5	.3	.1								1.1	5.3
NNW	.5	.6	.5	.1	.0							1.7	5.2
VARBL	1.0	.3	.0									2.7	2.7
CALM												15.3	
	9.7	22.9	31.1	16.4	3.5	.8	.2	.0	.0			100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 10269

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## PART D CEILING VERSUS VISIBILITY

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

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

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

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

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
 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 DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 STATION BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥5/16	¼	≥0
NO CEILING		15.5	17.6	20.4	22.0	22.7	23.7	24.2	24.6	25.5	25.8	25.9	26.0	26.1	26.2	26.4
IV 20000		18.7	21.2	24.5	26.4	27.2	28.4	29.2	29.5	30.6	30.9	31.0	31.2	31.3	31.4	31.9
IV 18000		18.7	21.2	24.5	26.4	27.2	28.4	29.2	29.5	30.6	30.9	31.0	31.2	31.3	31.4	31.9
IV 16000		18.7	21.2	24.5	26.4	27.2	28.4	29.2	29.5	30.6	30.9	31.0	31.2	31.3	31.4	31.9
IV 14000		18.9	21.3	24.5	26.4	27.3	28.5	29.2	29.6	30.6	31.0	31.1	31.2	31.3	31.4	31.9
IV 12000		19.0	21.3	24.8	26.7	27.6	28.7	29.3	29.9	30.9	31.3	31.4	31.5	31.6	31.7	32.2
IV 10000		20.0	22.6	24.0	28.0	28.9	30.1	30.8	31.2	32.3	32.7	32.8	32.9	33.0	33.1	33.6
IV 9000		20.9	23.2	26.6	28.6	29.5	30.8	31.5	31.9	33.0	33.4	33.5	33.7	33.8	33.9	34.4
IV 8000		22.7	25.7	29.4	31.6	32.6	34.0	34.8	35.2	36.4	36.8	37.0	37.1	37.2	37.3	37.9
IV 7000		24.5	27.7	31.8	34.2	35.2	36.7	37.7	38.1	39.4	39.9	40.0	40.2	40.3	40.4	41.0
IV 6000		25.3	29.7	33.0	35.5	36.6	38.2	39.1	39.6	41.0	41.5	41.6	41.8	41.9	42.0	42.6
IV 5000		26.3	29.9	34.4	37.0	38.2	39.9	40.9	41.4	42.8	43.4	43.6	43.7	43.8	43.9	44.5
IV 4500		26.8	30.5	35.1	37.7	38.9	40.6	41.6	42.2	43.6	44.2	44.4	44.5	44.6	44.8	45.3
IV 4000		27.9	31.8	36.6	39.4	40.6	42.4	43.4	44.0	45.5	46.0	46.2	46.4	46.5	46.6	47.2
IV 3500		29.1	33.1	38.2	41.1	42.3	44.2	45.3	45.8	47.4	48.0	48.2	48.3	48.4	48.6	49.1
IV 3000		31.9	36.2	41.9	45.0	46.3	48.4	49.6	50.2	51.9	52.5	52.7	52.8	53.0	53.1	53.7
IV 2500		34.1	38.7	45.9	48.3	49.7	51.9	53.2	53.9	55.7	56.3	56.5	56.7	56.8	57.0	57.4
IV 2000		36.0	41.0	47.6	51.2	52.9	55.2	56.7	57.4	59.4	60.0	60.3	60.4	60.6	60.7	61.3
IV 1800		36.8	42.0	48.9	52.7	54.3	56.8	58.3	59.0	61.0	61.7	61.9	62.1	62.2	62.4	63.0
IV 1500		38.9	44.6	52.0	56.2	57.9	60.7	62.3	63.1	65.2	66.0	66.2	66.4	66.6	66.7	67.3
IV 1200		40.5	46.3	54.4	59.3	60.9	63.9	65.6	66.5	69.0	69.8	70.0	70.2	70.3	70.5	71.1
IV 1000		41.2	47.4	56.1	61.0	63.0	66.4	68.5	69.6	72.3	73.4	73.7	73.8	74.1	74.1	74.7
IV 900		41.6	47.9	56.8	62.0	64.1	67.7	70.0	71.1	74.2	75.2	75.4	75.6	75.8	75.9	76.5
IV 800		42.0	48.5	57.8	63.1	65.4	69.3	72.1	73.3	76.3	77.3	77.5	77.8	78.1	78.4	79.2
IV 700		42.2	48.9	58.4	64.1	66.5	71.0	73.9	75.2	78.3	79.3	79.5	79.8	80.8	81.0	81.5
IV 600		42.5	49.2	58.9	64.7	67.2	72.1	75.4	76.9	81.5	82.9	83.3	83.5	83.7	83.8	84.4
IV 500		42.6	49.4	59.3	65.2	67.8	72.9	76.3	78.3	84.0	86.0	86.4	86.7	87.0	87.1	87.7
IV 400		42.6	49.5	59.4	65.3	68.0	73.4	77.1	79.1	86.2	89.1	89.7	90.2	90.5	90.7	91.3
IV 300		42.6	49.5	59.4	65.3	68.1	73.5	77.4	79.3	87.0	90.9	92.0	92.9	93.3	93.5	94.2
IV 200		42.6	49.5	59.4	65.3	68.1	73.5	77.5	79.4	87.2	91.4	92.0	94.2	95.2	95.6	96.6
IV 100		42.6	49.5	59.4	65.3	68.1	73.5	77.5	79.4	87.3	91.5	92.2	94.5	95.8	96.5	98.7
IV 0		42.6	49.5	59.4	65.3	68.1	73.5	77.5	79.4	87.3	91.5	92.2	94.5	95.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 26495

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF STATION NAME

66-70 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MO. 8 7 5

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0	≥0
NO CEILING		2.9	3.5	4.5	6.1	6.7	8.6	9.9	11.1	13.6	14.1	14.5	14.6	14.8	14.9	15.0
≥ 20000		3.6	4.8	6.6	8.7	9.5	12.0	13.9	15.1	17.7	18.6	19.3	19.5	19.7	19.8	20.0
IV 18000		3.6	4.8	6.6	8.7	9.5	12.0	13.9	15.1	17.7	18.6	19.3	19.5	19.7	19.8	20.0
IV 16000		3.6	4.8	6.6	8.7	9.5	12.0	13.9	15.1	17.7	18.6	19.3	19.5	19.7	19.8	20.0
IV 14000		3.6	4.8	6.6	8.7	9.6	12.0	13.9	15.1	17.8	18.7	19.3	19.6	19.7	19.9	20.0
IV 12000		3.7	4.9	6.6	8.6	9.6	12.1	14.0	15.2	17.9	18.8	19.5	19.7	19.8	20.0	20.0
IV 10000		3.7	5.0	7.0	9.2	10.1	12.3	14.4	15.6	18.3	19.2	20.0	20.2	20.3	20.5	21.0
IV 9000		3.8	5.2	7.3	9.5	10.4	12.8	14.7	15.9	18.8	19.7	20.4	20.6	20.8	21.0	21.4
IV 8000		4.2	5.7	8.0	10.3	11.1	13.7	15.7	16.8	19.8	20.8	21.6	21.8	22.0	22.1	22.4
IV 7000		4.8	6.5	9.5	11.8	12.8	15.6	17.6	19.0	22.0	23.0	23.9	24.1	24.4	24.5	25.0
IV 6000		5.0	6.7	9.9	12.2	13.2	16.1	18.2	19.6	22.8	23.7	24.7	24.9	25.1	25.3	25.7
IV 5000		5.4	7.3	10.6	12.9	14.0	17.1	19.3	20.7	24.0	25.0	26.0	26.3	26.5	26.6	27.2
IV 4500		5.4	7.3	10.7	13.0	14.0	17.2	19.4	20.8	24.0	25.0	26.0	26.3	26.5	26.7	27.3
IV 4000		5.4	7.3	10.7	13.0	14.0	17.2	19.5	21.0	24.2	25.2	26.2	26.5	26.7	26.9	27.4
IV 3500		5.4	7.3	10.8	13.2	14.2	17.4	19.7	21.2	24.5	25.5	26.5	26.8	27.0	27.1	27.7
IV 3000		5.5	7.5	11.2	13.8	14.9	18.7	21.0	22.6	25.9	26.9	27.9	28.3	28.6	28.9	29.7
IV 2500		5.7	8.1	12.2	14.8	16.2	20.1	22.7	24.4	28.1	29.2	30.2	30.5	30.9	31.2	31.7
IV 2000		5.9	8.5	12.5	15.8	17.2	21.1	24.0	25.9	29.9	30.9	32.0	32.3	32.7	33.0	33.4
IV 1800		6.1	8.8	13.4	16.4	17.9	21.9	25.0	26.9	30.9	31.9	32.9	33.3	33.6	33.9	34.7
IV 1500		7.8	10.8	17.2	20.6	22.1	26.9	30.0	32.0	36.6	37.7	38.8	39.1	39.5	39.8	40.6
IV 1200		8.5	12.1	18.9	22.5	24.3	29.8	33.6	35.6	40.9	42.1	43.1	43.5	43.8	44.1	45.0
IV 1000		8.5	12.2	19.3	23.0	25.0	30.8	35.3	37.8	44.1	45.3	46.6	47.0	47.3	47.7	48.5
IV 900		8.7	12.6	20.0	23.7	26.0	32.3	37.3	40.1	47.0	48.6	49.6	50.0	50.3	50.7	51.3
IV 800		8.9	13.0	20.6	24.5	27.0	33.9	39.7	42.9	51.3	53.0	54.1	54.5	54.8	55.1	56.0
IV 700		9.1	13.4	21.6	25.3	28.4	35.6	42.6	45.8	55.4	57.3	58.3	58.9	59.3	59.6	60.5
IV 600		9.3	13.7	21.9	25.4	29.0	36.8	44.1	47.8	58.0	61.6	62.7	63.1	63.4	63.8	64.7
IV 500		9.5	14.0	22.6	27.2	29.8	38.0	46.0	49.7	63.9	67.9	69.4	70.3	70.8	71.1	72.0
IV 400		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	66.3	70.2	71.7	72.6	73.1	73.4	74.3
IV 300		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	72.5	74.0	74.9	75.4	75.7	76.6
IV 200		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	72.5	74.0	74.9	75.4	75.7	76.6
IV 100		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	72.5	74.0	74.9	75.4	75.7	76.6
IV 0		9.5	14.0	22.6	27.2	29.9	38.3	46.9	50.7	68.6	72.5	74.0	74.9	75.4	75.7	76.6

TOTAL NUMBER OF OBSERVATIONS 1794

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

STATION 34077 BAUMHOLDER GERMANY AAF

YEAR 65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥.4	≥0
NO CEILING		7.3	9.9	11.6	13.7	14.2	12.4	15.9	16.2	17.8	18.1	18.4	18.4	19.4	18.4	11.5
IV 20000		9.5	11.3	14.4	16.6	17.4	19.1	20.3	20.8	22.7	23.0	23.4	23.4	23.4	23.4	23.5
IV 18000		9.5	11.3	14.4	16.6	17.4	19.1	20.3	20.8	22.7	23.0	23.4	23.4	23.4	23.4	23.5
IV 16000		9.5	11.3	14.4	16.6	17.4	19.1	20.3	20.8	22.7	23.0	23.4	23.4	23.4	23.4	23.5
IV 14000		9.6	11.4	14.7	16.8	17.8	19.3	20.5	21.0	22.9	23.2	23.6	23.6	23.6	23.6	23.7
IV 12000		9.6	11.4	14.7	16.8	18.0	19.5	20.7	21.2	23.2	23.6	23.9	23.9	23.9	23.9	24.0
IV 10000		9.9	11.7	15.1	17.2	18.3	19.9	21.1	21.6	23.6	24.0	24.3	24.3	24.3	24.4	24.5
IV 9000		10.0	11.9	15.3	17.4	18.6	20.1	21.5	21.8	23.8	24.2	24.6	24.6	24.6	24.6	24.7
IV 8000		10.6	12.8	16.2	18.3	19.6	21.4	22.6	23.1	25.2	25.7	26.0	26.0	26.0	26.0	26.1
IV 7000		11.5	13.9	17.8	20.3	21.4	23.3	24.6	25.1	27.3	27.7	28.0	28.0	28.0	28.1	28.2
IV 6000		12.2	14.6	18.7	21.1	22.2	24.3	25.7	26.1	28.6	29.1	29.5	29.5	29.5	29.5	29.6
IV 5000		12.2	14.6	18.7	21.1	22.2	24.3	25.7	26.1	28.6	29.1	29.5	29.5	29.5	29.5	29.6
IV 4500		12.4	15.0	19.2	21.5	22.9	25.0	26.5	27.0	29.6	30.3	30.7	30.7	30.7	30.8	30.9
IV 4000		12.7	15.4	19.9	22.5	23.6	25.8	27.4	28.0	30.8	31.5	31.9	31.9	31.9	32.0	32.1
IV 3500		12.8	15.8	21.1	23.9	25.0	27.4	29.0	29.5	32.4	33.2	33.6	33.6	33.6	33.7	33.8
IV 3000		15.0	18.1	24.0	27.0	28.2	30.5	32.2	32.9	35.8	36.6	37.1	37.1	37.1	37.1	37.2
IV 2500		16.4	20.0	26.9	30.2	31.6	34.2	36.0	36.7	39.8	40.7	41.1	41.1	41.1	41.2	41.3
IV 2000		18.1	22.1	30.0	33.9	35.4	38.1	40.0	40.4	43.5	44.5	45.0	45.0	45.0	45.1	45.2
IV 1800		18.9	23.1	31.3	35.3	36.8	39.6	41.4	42.3	45.9	46.9	47.4	47.5	47.6	47.6	47.7
IV 1500		20.7	25.3	34.5	39.1	40.7	43.5	45.0	46.9	50.9	52.1	52.5	52.6	52.7	52.8	52.9
IV 1200		21.8	26.7	37.0	42.4	44.2	46.1	50.2	51.2	55.6	56.7	57.2	57.3	57.4	57.4	57.6
IV 1000		22.6	28.3	39.8	45.8	47.8	50.6	53.3	54.7	62.5	63.8	64.4	64.5	64.6	64.6	64.8
IV 900		22.8	28.6	40.4	46.7	48.8	52.3	54.9	58.1	63.9	65.3	65.8	65.9	66.0	66.1	66.2
IV 800		22.9	28.9	41.2	47.9	50.1	53.7	59.2	60.3	66.6	68.0	68.6	68.6	68.8	68.8	69.0
IV 700		23.1	29.3	41.8	49.1	51.4	57.7	61.6	63.9	69.6	71.1	71.6	71.8	71.9	72.0	72.1
IV 600		23.4	29.7	42.5	50.0	52.3	59.2	63.8	65.4	73.5	74.6	75.2	75.4	75.5	75.6	75.7
IV 500		23.4	29.7	42.5	50.1	52.4	59.7	63.0	66.7	75.0	77.9	78.8	79.2	79.3	79.4	79.5
IV 400		23.4	29.7	42.5	50.1	52.3	60.0	63.7	67.6	79.0	82.2	84.8	85.7	86.1	86.2	86.3
IV 300		23.4	29.7	42.5	50.1	52.3	60.3	66.1	68.1	80.8	85.6	89.4	90.8	91.3	91.4	91.7
IV 200		23.4	29.7	42.5	50.1	52.3	60.3	66.1	68.1	80.9	87.5	91.6	93.6	94.7	95.2	96.2
IV 100		23.4	29.7	42.5	50.1	52.3	60.3	66.1	68.1	80.9	87.5	91.6	93.7	95.2	96.0	98.1
IV 0		23.4	29.7	42.5	50.1	52.3	60.3	66.1	68.1	80.9	87.5	91.6	93.7	95.2	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2105

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMGLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING																
≥ 20000		10.9	14.5	18.6	20.2	20.7	21.5	21.7	21.8	22.4	22.6	22.6	22.8	22.9	22.9	23.2
IV 18000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 16000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 14000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 12000		13.2	17.6	21.9	23.8	24.5	25.5	25.8	25.9	26.9	27.1	27.1	27.4	27.4	27.5	27.7
IV 10000		14.2	18.8	23.4	25.5	26.3	27.3	27.6	27.7	28.7	28.9	28.9	29.2	29.2	29.3	29.7
IV 9000		14.2	18.8	23.4	25.5	26.3	27.3	27.6	27.7	28.7	28.9	28.9	29.2	29.2	29.3	29.7
IV 8000		15.0	20.0	25.0	27.4	28.2	29.2	29.6	29.7	30.8	31.0	31.1	31.3	31.3	31.4	31.8
IV 7000		15.0	20.0	25.0	27.4	28.2	29.2	29.6	29.7	30.8	31.0	31.1	31.3	31.3	31.4	31.8
IV 6000		16.2	22.2	28.1	30.8	31.8	32.9	33.4	33.6	34.7	35.0	35.0	35.3	35.3	35.4	35.5
IV 5000		16.5	22.5	28.8	31.6	32.7	33.8	34.3	34.4	35.7	36.0	36.1	36.3	36.4	36.5	36.8
IV 4500		16.6	22.7	29.0	31.8	32.9	34.0	34.5	34.7	35.9	36.3	36.3	36.6	36.6	36.7	37.1
IV 4000		17.4	23.6	30.0	32.9	34.1	35.2	35.8	36.0	37.2	37.6	37.7	37.9	38.0	38.1	38.4
IV 3500		18.0	24.4	31.3	34.2	35.4	36.7	37.3	37.5	38.8	39.2	39.4	39.5	39.6	39.6	40.0
IV 3000		20.0	26.6	34.1	37.8	39.2	40.7	41.5	41.8	43.2	43.6	43.7	43.9	44.0	44.1	44.5
IV 2500		21.6	28.9	37.2	41.4	43.0	44.7	45.7	46.0	47.3	47.9	47.9	48.2	48.3	48.4	48.8
IV 2000		24.9	33.0	41.9	46.8	48.7	50.9	51.9	52.4	53.9	54.2	54.4	54.7	54.8	54.9	55.3
IV 1800		26.3	36.7	44.1	49.4	51.4	53.6	54.9	55.4	56.9	57.2	57.4	57.7	57.8	57.9	58.3
IV 1500		30.3	40.2	50.5	56.0	58.7	61.4	63.0	63.6	65.3	65.8	65.9	66.2	66.3	66.4	66.8
IV 1200		31.8	41.9	52.8	59.8	61.7	64.7	66.8	67.7	69.6	70.1	70.2	70.3	70.6	70.7	71.1
IV 1000		32.8	42.4	53.2	62.7	65.2	69.0	71.6	72.7	75.3	76.0	76.1	76.4	76.6	76.6	77.1
IV 900		33.3	43.1	53.2	64.2	66.4	71.2	74.0	75.1	77.8	78.5	78.6	78.8	79.0	79.1	79.5
IV 800		33.9	43.0	53.7	65.2	67.1	74.1	77.1	78.3	81.3	82.1	82.2	82.3	82.6	82.7	83.1
IV 700		33.9	43.2	53.2	67.2	70.4	75.6	79.0	80.2	84.2	85.3	85.3	85.7	85.9	86.0	86.4
IV 600		34.2	43.7	53.7	67.8	70.9	76.3	80.3	81.9	86.8	88.2	88.4	88.6	88.8	88.9	89.3
IV 500		34.2	43.8	53.0	68.2	71.3	77.2	81.3	83.1	89.1	90.8	91.0	91.3	91.6	91.7	92.1
IV 400		34.2	43.8	53.1	68.2	71.4	77.4	81.7	83.6	90.6	92.9	93.4	94.0	94.2	94.3	94.7
IV 300		34.2	43.8	53.1	68.2	71.4	77.4	81.8	83.7	92.0	94.3	94.7	96.1	96.5	96.7	97.2
IV 200		34.2	43.8	53.1	68.2	71.4	77.4	81.8	83.7	92.2	94.8	95.7	96.6	97.4	97.6	98.4
IV 100		34.2	43.8	53.1	68.2	71.4	77.4	81.8	83.7	92.2	94.9	95.9	97.2	97.9	98.2	99.6
IV 0		34.2	43.8	53.1	68.2	71.4	77.4	81.8	83.7	92.2	94.9	95.9	97.2	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 2201

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 - BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥	≥	≥	≥0
NO CEILING		21.5	23.4	24.9	25.4	26.3	26.8	26.9	26.9	27.0	27.0	27.0	27.1	27.2	27.2	27.2
IV 20000		25.3	27.8	29.8	30.6	31.7	32.3	32.5	32.6	32.6	32.7	32.7	32.8	32.9	32.9	33.1
IV 18000		25.9	27.8	29.8	30.6	31.7	32.3	32.5	32.6	32.6	32.7	32.7	32.8	32.9	32.9	33.1
IV 16000		25.9	27.8	29.8	30.6	31.7	32.3	32.5	32.6	32.6	32.7	32.7	32.8	32.9	32.9	33.1
IV 14000		25.4	27.9	29.8	30.7	31.8	32.4	32.6	32.6	32.7	32.8	32.8	32.9	33.0	33.0	33.1
IV 12000		25.5	28.0	30.0	30.9	32.0	32.6	32.7	32.8	32.9	33.0	33.1	33.1	33.2	33.2	33.4
IV 10000		26.5	29.2	31.2	32.2	33.4	33.9	34.1	34.2	34.3	34.4	34.4	34.5	34.6	34.6	34.7
IV 9000		26.9	29.7	31.8	32.8	33.9	34.5	34.7	34.7	34.8	35.0	35.0	35.1	35.2	35.2	35.3
IV 8000		28.5	31.6	33.9	35.0	36.1	36.8	37.0	37.1	37.2	37.4	37.4	37.5	37.6	37.6	37.8
IV 7000		29.7	33.1	35.6	36.8	38.1	38.7	39.2	39.3	39.3	39.5	39.5	39.7	39.8	39.8	40.0
IV 6000		30.4	34.0	36.8	38.1	39.5	40.2	40.6	40.7	40.8	41.0	41.0	41.1	41.2	41.3	41.4
IV 5000		31.1	35.0	38.0	39.5	41.0	42.0	42.3	42.4	42.5	42.7	42.7	42.8	43.0	43.0	43.1
IV 4500		31.6	35.5	38.5	40.4	41.9	42.9	43.2	43.4	43.5	43.7	43.8	43.8	44.0	44.0	44.2
IV 4000		32.1	36.2	41.1	42.8	44.2	45.4	45.8	45.9	46.2	46.3	46.4	46.5	46.6	46.6	46.8
IV 3500		33.4	39.7	43.8	45.8	47.0	48.2	48.6	48.8	49.0	49.2	49.2	49.3	49.5	49.5	49.6
IV 3000		33.8	44.2	48.9	50.8	52.4	53.8	54.3	54.5	54.8	55.0	55.1	55.2	55.3	55.3	55.4
IV 2500		43.3	48.5	54.0	56.2	58.1	59.7	60.3	60.5	60.8	61.0	61.0	61.1	61.2	61.2	61.4
IV 2000		48.2	53.6	59.7	62.2	64.5	66.4	67.0	67.2	67.6	67.9	68.0	68.1	68.2	68.2	68.4
IV 1800		48.8	54.6	61.0	63.7	66.2	68.2	69.0	69.2	69.6	69.9	69.9	70.0	70.2	70.2	70.4
IV 1500		51.6	58.1	65.2	68.3	71.0	73.4	74.2	74.5	75.1	75.4	75.5	75.6	75.7	75.7	75.9
IV 1200		52.3	59.0	67.4	71.1	74.0	76.8	77.7	77.9	78.5	78.9	79.0	79.1	79.3	79.3	79.5
IV 1000		53.3	60.5	70.0	74.3	77.2	81.0	82.2	82.7	83.3	83.8	83.8	83.9	84.1	84.1	84.3
IV 900		53.3	60.6	70.3	74.6	77.7	81.3	83.0	83.3	84.2	84.7	84.7	84.8	85.0	85.0	85.2
IV 800		53.6	61.0	71.1	75.6	78.8	82.9	84.7	85.3	86.4	86.9	87.0	87.1	87.2	87.2	87.5
IV 700		53.9	61.5	72.0	76.9	80.4	84.9	87.0	87.8	89.2	89.5	89.5	89.6	90.0	90.2	90.4
IV 600		54.3	62.3	72.9	78.0	81.6	86.4	88.7	89.6	91.5	92.6	92.7	92.8	92.8	92.8	93.0
IV 500		54.3	62.3	73.2	78.3	81.9	86.9	89.6	90.9	92.2	94.3	94.3	94.6	94.9	94.9	95.1
IV 400		54.3	62.3	73.2	78.6	82.2	87.6	90.6	92.0	94.9	96.3	96.3	96.6	97.1	97.3	97.5
IV 300		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	95.0	97.3	97.3	98.3	98.6	98.6	98.9
IV 200		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	95.7	98.0	98.3	98.8	99.2	99.2	99.7
IV 100		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	95.7	98.0	98.3	98.8	99.2	99.3	99.7
IV 0		54.3	62.3	73.2	78.6	82.2	87.6	90.9	92.2	93.7	98.0	98.3	98.8	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 2242

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 RAMMOLD, DER GERMANY AAF

03-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.15	≥.1	≥0
NO CEILING		22.8	24.7	27.0	28.0	28.0	28.4	29.0	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 20000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 18000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 16000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 14000		30.0	32.0	34.8	36.0	36.1	36.5	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 12000		30.7	32.7	35.5	36.7	36.8	37.2	37.8	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 10000		32.4	34.5	37.4	38.7	38.8	39.2	39.9	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 9000		33.3	35.4	38.3	39.6	39.7	40.2	40.9	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4
IV 8000		37.4	40.2	43.3	44.7	44.8	45.6	46.4	46.5	46.8	46.9	46.9	46.9	46.9	46.9	46.9
IV 7000		38.6	41.5	45.1	46.6	46.7	47.6	48.4	48.6	49.0	49.1	49.1	49.1	49.1	49.1	49.1
IV 6000		40.1	43.3	47.0	48.7	48.9	49.8	50.7	50.9	51.3	51.4	51.4	51.4	51.4	51.4	51.4
IV 5000		42.2	45.7	49.6	51.3	51.5	52.5	53.4	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 4500		43.1	46.7	50.8	52.5	52.8	53.7	54.7	54.9	55.3	55.4	55.4	55.4	55.4	55.4	55.4
IV 4000		45.3	49.2	53.6	55.4	55.6	56.7	57.7	57.9	58.3	58.4	58.4	58.4	58.4	58.4	58.4
IV 3500		46.8	51.0	55.7	57.6	57.9	59.0	60.0	60.2	60.6	60.7	60.7	60.7	60.7	60.7	60.7
IV 3000		52.8	56.8	62.2	64.5	64.8	66.0	67.0	67.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 2500		56.1	60.9	66.7	69.0	69.4	70.8	71.9	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8
IV 2000		58.6	63.8	70.1	72.7	73.2	74.9	75.9	76.4	76.9	77.1	77.1	77.1	77.1	77.1	77.1
IV 1800		60.8	65.8	72.4	75.0	75.4	77.2	78.3	78.7	79.3	79.5	79.5	79.5	79.5	79.5	79.5
IV 1500		61.8	67.7	74.7	77.7	78.2	80.2	81.3	81.8	82.3	82.6	82.6	82.6	82.6	82.6	82.6
IV 1000		64.0	70.3	78.1	81.4	82.1	83.9	85.2	85.7	86.4	86.6	86.6	86.6	86.6	86.6	86.6
IV 900		65.1	71.8	79.9	83.4	84.1	86.0	87.3	88.1	88.7	89.1	89.1	89.1	89.1	89.1	89.1
IV 800		65.4	72.1	80.4	83.9	84.7	86.7	88.4	89.0	89.6	89.9	89.9	89.9	89.9	89.9	89.9
IV 700		65.6	72.7	81.1	84.7	85.6	87.7	89.3	90.2	90.8	91.2	91.2	91.2	91.2	91.2	91.2
IV 600		65.7	72.8	81.4	85.2	86.2	88.4	90.2	91.0	91.7	92.2	92.2	92.2	92.2	92.2	92.2
IV 500		66.0	73.3	82.0	86.0	87.2	89.4	91.7	92.6	93.3	94.0	94.0	94.0	94.0	94.0	94.0
IV 400		66.5	73.8	82.6	86.7	87.9	90.7	92.9	93.9	95.0	95.6	95.7	95.8	95.9	95.9	95.9
IV 300		66.6	73.8	82.8	86.9	88.2	91.2	93.6	94.7	96.1	97.0	97.1	97.2	97.3	97.4	97.5
IV 200		66.6	73.8	82.8	87.2	88.5	91.6	94.1	95.1	96.8	97.7	97.9	98.2	98.4	98.5	98.7
IV 100		66.6	73.8	82.8	87.2	88.5	91.6	94.1	95.1	96.8	97.7	97.9	98.2	98.4	98.5	98.7
IV 0		66.6	73.8	82.8	87.2	88.5	91.6	94.1	95.1	96.8	97.7	97.9	98.2	98.4	98.5	98.7

TOTAL NUMBER OF OBSERVATIONS 2390

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 BAUMHOLDER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.10	≥.05	≥0
NO CEILING															
IV 20000	24.8	26.7	21.8	30.2	30.6	31.4	31.8	32.0	32.4	32.6	32.6	32.7	32.8	32.8	33.0
IV 18000	29.4	32.2	31.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	39.9	40.1
IV 16000	29.4	32.2	31.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	39.9	40.1
IV 14000	29.4	32.2	31.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	39.9	40.1
IV 12000	29.4	32.2	31.1	36.9	37.4	38.3	38.8	39.0	39.6	39.7	39.7	39.8	39.9	39.9	40.1
IV 10000	31.4	34.2	31.2	39.3	39.8	40.7	41.2	41.4	42.1	42.3	42.3	42.4	42.5	42.5	42.7
IV 9000	32.4	35.2	32.3	40.6	41.1	42.1	42.7	42.9	43.6	43.7	43.7	43.8	43.9	43.9	44.1
IV 8000	36.8	39.5	43.0	45.4	46.1	47.3	47.9	48.1	48.8	49.0	49.0	49.1	49.2	49.3	49.5
IV 7000	41.6	46.8	48.6	51.8	52.0	52.8	54.2	54.4	55.2	55.3	55.3	55.4	55.5	55.6	55.8
IV 6000	42.7	46.6	50.5	53.7	54.4	55.9	56.6	56.8	57.6	57.7	57.7	57.8	57.9	58.0	58.2
IV 5000	44.5	48.5	52.5	55.7	56.4	57.9	58.6	58.9	59.7	59.9	59.9	59.9	60.0	60.1	60.3
IV 4500	45.3	49.4	53.5	56.8	57.5	59.0	59.7	60.0	60.8	60.9	60.9	61.0	61.1	61.2	61.4
IV 4000	47.0	51.3	55.6	59.0	59.7	61.2	62.1	62.4	63.2	63.4	63.4	63.5	63.6	63.7	63.9
IV 3500	48.4	52.9	57.7	61.1	62.0	63.5	64.5	64.8	65.6	65.8	65.8	65.8	66.0	66.0	66.2
IV 3000	52.0	56.8	62.1	66.0	66.9	68.6	69.7	69.9	71.0	71.2	71.2	71.2	71.4	71.4	71.6
IV 2500	54.4	59.4	65.5	69.7	70.7	72.6	73.7	74.0	75.1	75.2	75.3	75.3	75.5	75.5	75.7
IV 2000	57.1	62.4	69.0	73.6	74.6	76.6	77.8	78.1	79.3	79.4	79.4	79.4	79.6	79.6	79.8
IV 1800	57.8	63.1	69.8	74.6	75.7	77.8	79.1	79.4	80.7	81.1	81.1	81.2	81.3	81.4	81.6
IV 1500	59.4	65.0	71.8	76.7	77.9	80.2	81.6	82.1	83.5	83.7	83.7	83.7	83.9	83.9	84.1
IV 1200	60.8	66.6	73.8	79.2	80.6	82.9	84.3	85.0	86.5	86.7	86.7	86.8	86.9	87.0	87.2
IV 1000	61.6	67.6	75.0	80.9	82.3	84.7	86.2	87.1	88.8	88.7	88.7	88.8	88.9	89.0	89.2
IV 900	62.0	68.2	75.9	81.9	83.4	85.8	87.4	88.3	90.1	90.2	90.2	90.3	90.4	90.5	90.7
IV 800	62.1	68.6	76.4	82.8	84.3	86.7	88.4	89.3	91.2	91.3	91.3	91.4	91.5	91.6	91.8
IV 700	62.1	68.8	76.6	83.4	85.0	87.4	89.2	90.1	92.1	92.2	92.2	92.3	92.4	92.5	92.7
IV 600	62.1	68.8	76.6	83.4	85.0	87.4	89.2	90.1	92.1	92.2	92.2	92.3	92.4	92.5	92.7
IV 500	62.2	68.9	77.3	84.2	85.8	88.2	90.0	90.9	92.9	93.0	93.0	93.1	93.2	93.3	93.5
IV 400	62.2	69.0	77.3	84.2	85.8	88.2	90.0	90.9	92.9	93.0	93.0	93.1	93.2	93.3	93.5
IV 300	62.2	69.0	77.3	84.2	85.8	88.2	90.0	90.9	92.9	93.0	93.0	93.1	93.2	93.3	93.5
IV 200	62.2	69.0	77.3	84.2	85.8	88.2	90.0	90.9	92.9	93.0	93.0	93.1	93.2	93.3	93.5
IV 100	62.2	69.0	77.3	84.2	85.8	88.2	90.0	90.9	92.9	93.0	93.0	93.1	93.2	93.3	93.5
IV 0	62.2	69.0	77.3	84.2	85.8	88.2	90.0	90.9	92.9	93.0	93.0	93.1	93.2	93.3	93.5

TOTAL NUMBER OF OBSERVATIONS 2406



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION **RAUMHOLDER, GERMANY AAF**

63-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	≥0	
NO CEILING																	
IV 20000		24.6	27.2	29.7	30.9	31.0	31.4	31.6	31.6	31.8	31.8	31.9	31.9	31.9	31.9	31.9	32.2
IV 18000		27.7	30.6	33.5	34.8	35.0	35.4	35.6	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2
IV 16000		27.7	30.6	33.6	34.8	35.0	35.4	35.6	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2
IV 14000		27.7	30.6	33.6	34.8	35.0	35.4	35.6	35.6	35.8	35.8	35.9	35.9	35.9	35.9	35.9	36.2
IV 12000		28.1	31.0	34.1	35.3	35.4	35.9	36.0	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.4	36.5
IV 10000		29.9	32.8	36.0	37.2	37.2	37.7	37.9	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.3	38.5
IV 9000		30.6	33.7	37.0	38.2	38.2	38.8	38.9	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.3	39.5
IV 8000		34.3	38.0	41.7	42.9	43.1	43.8	43.9	44.0	44.1	44.2	44.2	44.2	44.2	44.3	44.5	
IV 7000		37.2	41.2	45.2	46.6	47.2	47.8	48.1	48.1	48.3	48.4	48.4	48.4	48.4	48.5	48.7	
IV 6000		39.0	43.2	47.5	49.1	49.6	50.5	50.7	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.5	
IV 5000		41.2	45.8	50.1	51.9	52.5	53.6	53.7	53.7	53.9	54.0	54.1	54.1	54.1	54.1	54.4	
IV 4500		42.2	46.9	51.3	53.1	53.7	54.9	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.7	
IV 4000		44.9	49.8	54.4	56.4	57.1	58.4	58.6	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.5	
IV 3500		48.0	53.0	57.6	59.6	60.3	61.7	61.8	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.5	
IV 3000		53.0	58.1	62.5	64.5	65.3	67.3	67.7	67.9	68.0	68.3	68.4	68.4	68.4	68.4	68.7	
IV 2500		56.3	61.7	67.4	69.9	70.8	72.0	72.6	72.8	73.2	73.3	73.3	73.3	73.3	73.4	73.6	
IV 2000		58.1	64.1	70.5	73.3	74.4	75.7	76.5	76.5	77.0	77.1	77.1	77.1	77.1	77.1	77.4	
IV 1800		59.4	65.5	72.1	74.9	76.2	77.4	78.0	78.2	78.7	78.8	78.8	78.8	78.8	78.8	79.1	
IV 1500		62.6	68.8	75.7	78.7	80.2	81.2	82.0	82.2	82.7	82.8	82.9	82.9	82.9	82.9	83.2	
IV 1200		64.8	70.7	78.5	81.6	83.0	84.3	85.1	85.4	85.9	86.1	86.1	86.1	86.1	86.2	86.4	
IV 1000		65.1	71.6	80.1	83.3	85.0	86.6	87.7	88.0	88.8	89.0	89.1	89.1	89.1	89.1	89.4	
IV 900		65.3	72.1	81.0	84.6	86.2	87.9	89.2	89.3	90.4	90.5	90.6	90.6	90.6	90.6	90.9	
IV 800		65.8	72.5	81.5	85.2	86.7	88.7	90.0	90.6	91.8	91.9	91.9	91.9	91.9	91.9	92.2	
IV 700		66.0	72.8	81.7	85.3	87.5	89.6	91.0	91.3	92.6	92.7	92.7	92.7	92.7	92.7	93.1	
IV 600		66.6	73.4	82.6	86.7	88.6	90.9	92.2	92.9	94.2	94.3	94.3	94.3	94.3	94.3	94.7	
IV 500		66.9	73.6	82.6	86.9	89.0	91.3	93.0	93.3	95.1	95.1	95.1	95.1	95.1	95.1	95.0	
IV 400		65.7	72.5	82.5	87.2	89.3	92.0	93.8	94.3	96.2	96.2	96.2	96.2	96.2	96.2	96.6	
IV 300		66.5	73.7	82.9	87.3	89.3	92.2	94.0	94.6	96.7	96.7	96.7	96.7	96.7	96.7	97.0	
IV 200		66.8	73.7	83.9	87.3	89.3	92.2	94.1	94.7	96.9	96.9	96.9	96.9	96.9	96.9	97.3	
IV 100		66.8	73.7	83.9	87.3	89.3	92.2	94.1	94.7	96.9	96.9	96.9	96.9	96.9	96.9	97.3	
IV 0		66.8	73.7	83.9	87.3	89.3	92.2	94.1	94.7	96.9	96.9	96.9	96.9	96.9	96.9	97.3	

TOTAL NUMBER OF OBSERVATIONS 2345

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

6575

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING																
≥ 20000		23.9	25.2	27.5	29.1	29.9	30.6	31.1	31.3	31.7	32.0	32.0	32.1	32.2	32.2	32.4
≥ 18000		27.7	29.7	32.4	34.4	35.3	36.0	36.4	36.7	37.1	37.4	37.5	37.6	37.7	37.7	37.9
≥ 16000		27.7	29.7	32.4	34.4	35.3	36.0	36.4	36.7	37.1	37.4	37.5	37.6	37.7	37.7	37.9
≥ 14000		27.9	29.9	32.7	34.6	35.5	36.2	36.6	36.9	37.3	37.6	37.7	37.8	37.9	37.9	38.1
≥ 12000		28.3	30.3	33.1	35.0	35.9	36.6	37.0	37.3	37.8	38.0	38.1	38.2	38.3	38.3	38.5
≥ 10000		30.2	32.6	35.3	37.2	38.2	38.9	39.3	39.6	40.0	40.4	40.4	40.6	40.7	40.7	40.9
≥ 9000		31.6	33.9	37.0	39.0	39.9	40.7	41.1	41.4	41.9	42.2	42.3	42.5	42.6	42.6	42.8
≥ 8000		33.3	37.9	41.3	43.7	44.8	45.7	46.3	46.7	47.4	47.8	47.9	48.1	48.1	48.1	48.4
≥ 7000		35.3	41.8	45.7	47.9	49.1	50.2	50.8	51.3	52.0	52.4	52.8	52.7	52.8	52.9	53.1
≥ 6000		40.1	48.3	47.6	49.9	51.1	52.3	52.9	53.5	54.2	54.6	54.8	54.9	55.0	55.1	55.3
≥ 5000		41.9	48.6	50.5	52.8	54.0	55.2	55.9	56.5	57.3	57.8	58.0	58.1	58.2	58.2	58.5
≥ 4000		42.6	46.3	51.2	53.6	54.9	56.1	56.8	57.4	58.2	58.8	58.9	59.0	59.1	59.2	59.4
≥ 3000		44.0	48.4	53.9	56.4	57.6	59.0	59.7	60.2	61.2	61.7	61.9	62.0	62.1	62.1	62.4
≥ 2500		45.5	50.0	55.7	58.4	59.7	61.1	61.8	62.4	63.3	63.8	64.0	64.1	64.2	64.3	64.4
≥ 2000		45.0	50.3	60.6	63.4	64.7	66.2	67.0	67.6	68.6	69.2	69.4	69.5	69.6	69.7	70.0
≥ 1800		51.6	57.1	65.1	66.6	67.9	69.7	70.5	71.0	72.0	72.6	72.8	72.9	73.0	73.1	73.4
≥ 1500		52.9	58.6	65.3	68.4	69.7	71.5	72.4	73.1	74.1	74.7	74.9	75.0	75.1	75.2	75.5
≥ 1200		54.0	59.9	67.0	70.3	71.7	73.5	74.4	75.2	76.2	76.8	77.0	77.1	77.2	77.3	77.6
≥ 1000		56.4	62.7	70.5	74.3	75.7	77.7	78.7	79.8	80.6	81.3	81.4	81.6	81.6	81.7	82.1
≥ 900		58.6	65.2	73.4	77.4	79.0	81.1	82.2	83.0	84.2	84.8	85.0	85.1	85.2	85.3	85.6
≥ 800		59.3	66.0	74.5	78.7	80.3	82.5	83.6	84.4	85.8	86.3	86.5	86.6	86.7	86.8	87.1
≥ 700		59.7	66.5	75.3	79.8	81.5	83.8	84.9	85.7	87.2	87.8	88.0	88.1	88.2	88.3	88.6
≥ 600		60.1	67.0	75.8	80.6	82.4	84.8	85.9	86.7	88.3	88.9	89.1	89.2	89.3	89.4	89.7
≥ 500		60.7	67.7	76.9	82.0	83.8	86.3	87.4	88.2	89.9	90.4	90.6	90.7	90.8	90.9	91.2
≥ 400		60.6	67.7	77.3	82.4	84.2	86.7	87.8	88.6	90.3	90.9	91.3	91.4	91.5	91.6	91.9
≥ 300		60.7	67.8	77.4	82.6	84.5	87.1	88.2	89.0	90.7	91.3	91.7	91.8	91.9	92.0	92.3
≥ 200		60.7	67.8	77.5	82.7	84.6	87.3	88.4	89.2	90.9	91.5	91.9	92.0	92.1	92.2	92.5
≥ 100		60.7	67.8	77.5	82.7	84.6	87.3	88.4	89.2	90.9	91.5	91.9	92.0	92.1	92.2	92.5
≥ 0		60.7	67.8	77.5	82.7	84.6	87.3	88.4	89.2	90.9	91.5	91.9	92.0	92.1	92.2	92.5

TOTAL NUMB. OF OBSERVATIONS 2376

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14077 BAUMHOLDER GERMANY AAF

25-73

259

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

444

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	≥0
NO CEILING															
≥ 20000	19.9	22.7	24.4	31.6	33.2	34.2	34.9	35.4	36.6	36.8	37.3	37.3	37.5	37.7	38.7
IV 18000	23.1	23.1	24.6	30.2	33.0	33.6	34.3	34.0	34.9	34.8	35.0	35.3	35.3	35.6	36.7
IV 16000	23.1	26.1	31.6	36.2	38.0	39.4	40.3	41.0	42.4	42.3	43.0	43.3	43.5	43.6	45.1
IV 14000	23.1	26.1	32.6	36.2	38.0	39.4	40.3	41.0	42.4	42.3	43.0	43.3	43.5	43.6	45.1
IV 12000	23.1	26.1	32.6	36.2	38.0	39.4	40.3	41.0	42.4	42.3	43.0	43.3	43.5	43.6	45.1
IV 10000	24.2	27.4	33.8	37.5	39.4	40.8	41.8	42.0	44.1	44.5	44.7	45.0	45.1	45.3	46.7
IV 9000	23.8	28.0	33.8	38.1	40.1	41.5	42.5	43.2	44.3	45.2	45.3	45.9	45.0	46.3	47.5
IV 8000	27.5	30.3	37.6	41.6	43.7	45.3	46.4	47.1	48.8	49.4	49.7	50.3	50.2	50.5	51.9
IV 7000	28.5	32.3	39.9	40.7	46.3	47.8	49.1	50.1	52.1	52.7	53.7	53.2	53.5	53.8	55.1
IV 6000	29.8	33.6	40.7	48.2	47.5	49.4	50.7	51.7	53.7	54.3	54.7	55.1	55.3	55.5	56.9
IV 5000	30.4	34.6	42.0	45.7	49.1	51.0	52.4	53.5	55.7	56.4	56.7	57.0	57.2	57.5	58.8
IV 4500	30.9	35.0	42.8	47.8	50.1	52.1	53.5	54.5	56.7	57.5	57.7	58.1	58.3	58.5	59.9
IV 4000	31.9	36.5	44.4	49.5	51.9	53.8	55.4	56.5	58.7	59.4	59.7	60.0	60.2	60.5	61.8
IV 3500	33.2	37.9	46.1	51.6	53.8	55.8	57.3	58.4	60.6	61.4	61.7	62.0	62.2	62.5	63.9
IV 3000	34.8	39.6	48.3	54.0	56.3	58.7	60.3	61.4	63.8	64.6	64.9	65.2	65.4	65.7	67.1
IV 2500	36.3	41.8	50.7	56.3	58.7	61.2	62.9	63.8	66.3	67.1	67.4	67.6	67.8	68.1	69.6
IV 2000	38.1	43.5	52.7	58.6	61.2	63.7	65.3	66.4	68.9	69.7	70.0	70.3	70.6	70.9	72.3
IV 1800	39.3	44.8	54.0	60.0	62.7	65.3	67.1	68.2	70.7	71.5	71.8	72.1	72.3	72.6	74.2
IV 1500	41.0	46.7	56.4	62.3	65.2	68.2	70.0	71.1	73.8	74.6	75.0	75.3	75.5	75.8	77.2
IV 1200	42.3	48.3	58.3	64.6	67.6	70.7	72.7	73.7	76.3	77.1	77.4	77.7	78.0	78.3	80.3
IV 1000	43.0	49.2	59.9	66.4	69.4	72.6	74.7	75.7	78.3	79.1	79.4	79.7	80.0	80.3	81.7
IV 900	43.2	50.0	61.8	67.4	70.4	73.6	75.7	76.7	79.3	80.1	80.4	80.7	81.0	81.3	83.1
IV 800	44.0	50.7	62.8	68.3	71.3	74.5	76.6	77.6	80.2	81.0	81.3	81.6	81.9	82.2	84.6
IV 700	44.1	51.0	62.8	69.7	72.7	75.9	78.0	79.0	81.6	82.4	82.7	83.0	83.3	83.6	86.0
IV 600	44.2	51.0	62.8	69.7	72.7	75.9	78.0	79.0	81.6	82.4	82.7	83.0	83.3	83.6	86.0
IV 500	44.3	51.2	62.8	70.3	73.7	76.9	79.0	80.0	82.6	83.4	83.7	84.0	84.3	84.6	87.1
IV 400	44.4	51.3	62.8	70.3	73.7	76.9	79.0	80.0	82.6	83.4	83.7	84.0	84.3	84.6	87.1
IV 300	44.5	51.3	62.8	70.3	73.7	76.9	79.0	80.0	82.6	83.4	83.7	84.0	84.3	84.6	87.1
IV 200	44.6	51.3	62.8	70.3	73.7	76.9	79.0	80.0	82.6	83.4	83.7	84.0	84.3	84.6	87.1
IV 100	44.6	51.3	62.8	70.3	73.7	76.9	79.0	80.0	82.6	83.4	83.7	84.0	84.3	84.6	87.1
IV 0	44.6	51.3	62.8	70.3	73.7	76.9	79.0	80.0	82.6	83.4	83.7	84.0	84.3	84.6	87.1

TOTAL NUMBER OF OBSERVATIONS 2276

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

# CEILING VERSUS VISIBILITY

STATION: **RAUMHOLDER GERMANY AAF**

63-70

63

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

44

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	10.3	13.1	16.6	19.3	20.8	23.1	24.1	24.8	26.4	27.3	27.9	27.7	28.0	28.3	29.4	
≥ 20000	12.9	16.2	20.1	23.3	24.9	27.6	28.7	29.3	31.1	32.0	32.2	32.5	32.8	33.1	34.8	
IVM 18000	12.9	16.2	20.1	23.3	24.9	27.6	28.7	29.3	31.1	32.0	32.2	32.5	32.8	33.1	34.8	
IVM 16000	12.9	16.2	20.1	23.3	24.9	27.6	28.7	29.3	31.1	32.0	32.2	32.5	32.8	33.1	34.8	
IVM 14000	13.1	16.4	20.3	23.5	25.2	27.8	28.9	29.7	31.3	32.2	32.4	32.7	33.0	33.3	35.0	
IVM 12000	13.1	16.4	20.3	23.5	25.2	27.8	28.9	29.7	31.3	32.2	32.4	32.7	33.0	33.3	35.0	
IVM 10000	13.7	17.1	21.1	24.5	26.2	28.9	30.0	30.8	32.4	33.3	33.5	33.8	34.1	34.4	36.1	
IVM 9000	14.1	17.4	21.4	25.0	26.7	29.4	30.5	31.3	32.9	33.8	34.0	34.4	34.7	35.0	36.7	
IVM 8000	16.3	20.3	24.6	28.2	30.0	33.0	34.1	34.9	36.5	37.5	37.9	38.2	38.5	38.8	40.6	
IVM 7000	16.3	22.3	26.9	30.9	32.7	35.8	37.2	38.2	40.4	41.3	41.6	42.0	42.3	42.6	44.4	
IVM 6000	18.9	23.0	27.7	31.8	33.6	36.7	38.3	39.4	41.6	42.6	43.0	43.3	43.7	44.0	45.8	
IVM 5000	19.8	24.1	28.9	33.2	35.1	38.5	40.0	41.2	43.3	44.4	44.8	45.1	45.5	45.8	47.6	
IVM 4500	20.4	24.9	29.7	34.1	36.0	39.4	40.9	42.1	44.2	45.3	45.7	46.0	46.4	46.7	48.5	
IVM 4000	21.1	25.8	30.8	35.3	37.4	40.8	42.3	43.4	45.6	46.8	47.1	47.5	47.9	48.2	50.0	
IVM 3500	22.0	26.7	32.1	36.8	38.9	42.3	44.0	45.2	47.3	48.5	48.9	49.4	49.8	50.1	51.9	
IVM 3000	22.0	29.7	35.7	40.7	43.1	47.2	49.0	50.1	52.2	53.4	53.8	54.3	54.7	55.2	57.1	
IVM 2500	23.7	32.1	38.1	43.2	45.6	49.8	51.6	52.8	54.9	56.1	56.5	57.0	57.4	57.8	59.6	
IVM 2000	27.3	33.0	39.2	44.4	46.7	51.1	52.9	54.1	56.2	57.4	57.8	58.4	58.7	59.1	60.9	
IVM 1800	27.7	33.6	40.0	45.3	47.7	52.1	54.0	55.2	57.3	58.5	58.9	59.5	60.2	60.6	62.4	
IVM 1500	29.1	35.2	42.0	47.0	50.3	54.8	56.7	57.9	60.0	61.2	61.6	62.2	62.9	63.3	65.1	
IVM 1200	30.0	36.2	43.1	48.2	51.5	56.0	58.0	59.2	61.3	62.5	62.9	63.5	64.2	64.6	66.4	
IVM 1000	30.8	37.3	44.2	49.4	52.7	57.2	59.2	60.4	62.5	63.7	64.1	64.7	65.4	65.8	67.6	
IVM 900	31.8	38.4	45.3	50.6	53.9	58.4	60.4	61.6	63.7	64.9	65.3	65.9	66.6	67.0	68.8	
IVM 800	31.8	38.4	45.3	50.6	53.9	58.4	60.4	61.6	63.7	64.9	65.3	65.9	66.6	67.0	68.8	
IVM 700	32.8	39.4	46.4	51.8	55.1	59.6	61.6	62.8	64.9	66.1	66.5	67.1	67.8	68.2	70.0	
IVM 600	33.0	39.6	46.7	52.0	55.3	59.8	61.8	63.0	65.1	66.3	66.7	67.3	68.0	68.4	70.2	
IVM 500	32.7	39.7	46.1	52.0	55.2	59.7	61.7	62.9	65.0	66.2	66.6	67.2	67.9	68.3	70.1	
IVM 400	32.7	39.7	46.1	52.0	55.2	59.7	61.7	62.9	65.0	66.2	66.6	67.2	67.9	68.3	70.1	
IVM 300	32.7	39.7	46.1	52.0	55.2	59.7	61.7	62.9	65.0	66.2	66.6	67.2	67.9	68.3	70.1	
IVM 200	32.7	39.7	46.1	52.0	55.2	59.7	61.7	62.9	65.0	66.2	66.6	67.2	67.9	68.3	70.1	
IVM 100	32.7	39.7	46.1	52.0	55.2	59.7	61.7	62.9	65.0	66.2	66.6	67.2	67.9	68.3	70.1	
IVM 0	32.7	39.7	46.1	52.0	55.2	59.7	61.7	62.9	65.0	66.2	66.6	67.2	67.9	68.3	70.1	

TOTAL NUMBER OF OBSERVATIONS: **2318**

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

62-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .7	≥ .6	≥ .5	≥ .4	≥ 0
NO CEILING		6.5	8.1	10.8	12.2	13.6	14.8	15.9	16.1	17.6	17.9	18.0	18.0	18.1	18.4	19.4
IV 20000		8.9	10.7	13.7	15.4	17.0	18.3	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7	23.7
IV 18000		8.9	10.7	13.7	15.4	17.0	18.3	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7	23.7
IV 16000		8.9	10.7	13.7	15.4	17.0	18.3	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7	23.7
IV 14000		8.9	10.7	13.7	15.4	17.0	18.3	19.7	20.1	21.6	22.1	22.2	22.2	22.4	22.7	23.7
IV 12000		9.0	10.8	13.7	15.5	17.0	18.4	19.8	20.1	21.7	22.1	22.2	22.2	22.4	22.7	23.7
IV 10000		9.5	11.3	14.3	16.1	17.7	19.1	20.4	20.8	22.4	22.8	22.9	23.0	23.1	23.5	24.5
IV 9000		9.6	11.4	14.4	16.1	17.8	19.2	20.6	21.0	22.6	23.0	23.1	23.2	23.3	23.7	24.7
IV 8000		10.9	12.0	16.1	18.0	19.7	21.9	22.7	23.1	24.8	25.3	25.4	25.4	25.6	25.9	27.0
IV 7000		11.3	13.2	16.7	18.8	20.5	22.2	23.8	24.2	25.9	26.4	26.5	26.6	26.7	27.0	28.2
IV 6000		11.3	13.2	16.8	18.9	20.6	22.4	24.1	24.5	26.3	26.9	27.1	27.1	27.3	27.7	28.8
IV 5000		11.6	13.7	17.4	19.5	21.4	23.2	25.0	25.3	27.6	28.2	28.3	28.3	28.7	29.0	30.2
IV 4500		12.0	14.3	18.0	20.1	22.0	23.9	25.8	26.3	28.6	29.3	29.3	29.3	29.7	30.1	31.2
IV 4000		12.2	14.4	18.2	20.3	22.2	24.2	26.0	26.6	29.0	29.7	29.9	29.9	30.1	30.4	31.6
IV 3500		12.8	15.1	18.9	21.1	23.0	25.0	26.8	27.4	29.8	30.6	30.7	30.8	31.0	31.3	32.4
IV 3000		13.8	16.2	20.2	22.4	24.4	26.4	28.3	28.9	31.4	32.3	32.4	32.5	32.7	33.0	34.2
IV 2500		15.7	18.4	22.5	24.7	26.9	29.1	31.0	31.6	34.4	35.4	35.5	35.6	35.8	36.1	37.3
IV 2000		16.8	19.8	24.2	26.4	28.6	31.0	32.9	33.5	36.5	37.6	37.8	37.8	38.0	38.4	39.5
IV 1800		17.2	20.2	24.8	27.2	29.5	31.8	33.8	34.4	37.5	38.7	38.8	38.9	39.1	39.4	40.6
IV 1500		19.0	22.1	27.0	29.6	32.0	34.7	36.8	37.4	40.9	42.1	42.3	42.4	42.6	42.9	44.1
IV 1200		21.3	24.6	30.4	33.4	36.1	39.1	41.3	42.4	45.9	47.3	47.4	47.5	47.7	48.1	49.2
IV 1000		22.7	26.3	32.8	36.3	39.0	42.2	45.2	46.3	50.7	52.6	52.8	53.0	53.2	53.5	54.7
IV 900		23.6	27.3	33.8	37.5	40.3	44.4	47.3	48.7	53.2	55.2	55.3	55.6	55.8	56.1	57.2
IV 800		24.6	28.3	34.4	39.2	42.6	47.2	50.9	52.6	57.2	59.2	60.3	60.6	60.8	61.2	62.3
IV 700		24.9	29.0	36.2	40.2	43.7	48.9	53.6	55.3	60.3	62.3	64.9	65.3	65.6	65.9	67.1
IV 600		25.0	29.2	36.3	40.9	44.3	50.2	55.3	57.6	62.9	64.9	67.7	68.2	68.3	68.8	70.0
IV 500		25.0	29.3	36.9	41.6	45.3	51.4	56.6	59.1	67.0	71.3	72.1	72.4	72.6	72.9	74.1
IV 400		25.1	29.3	37.0	41.8	45.6	51.9	57.4	60.0	71.0	76.0	77.2	77.7	78.0	78.3	79.5
IV 300		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	72.2	79.2	81.6	82.0	82.3	82.5	84.0
IV 200		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	72.9	81.1	84.3	84.4	84.6	84.8	86.9
IV 100		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	73.0	81.2	85.1	87.6	89.3	90.9	93.9
IV 0		25.1	29.3	37.1	41.9	45.7	52.1	57.7	60.3	73.0	81.2	85.1	87.7	89.7	91.1	100.0

TOTAL NUMBER OF OBSERVATIONS 2093

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077  
STATION

BAUMHOLDER GERMANYS AAF  
STATION NAME

05-70

EC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .8	≥ .7	≥ .6	≥ .5	≥ .4	≥ 0
NO CEILING		4.6	6.0	8.5	9.1	9.9	10.2	10.7	10.9	12.4	12.8	12.8	12.9	12.9	13.0	13.1
≥ 20000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.5	14.8	14.9	14.9	14.6	14.8
IV 18000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.5	14.9	14.9	14.9	14.6	14.8
IV 16000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.5	14.9	14.9	14.9	14.6	14.8
IV 14000		5.0	6.7	9.4	10.3	10.4	11.3	12.2	12.3	14.0	14.5	14.9	14.9	14.9	14.6	14.8
IV 12000		5.1	6.9	9.6	10.3	10.7	11.7	12.4	12.7	14.2	14.7	14.7	14.8	14.8	14.9	15.0
IV 10000		5.3	7.2	9.9	10.8	10.9	12.0	12.7	13.0	14.4	15.1	15.1	15.2	15.2	15.3	15.4
IV 9000		5.4	7.3	10.0	10.9	11.0	12.1	12.8	13.1	14.7	15.3	15.3	15.3	15.3	15.4	15.6
IV 8000		5.7	7.6	10.7	11.7	11.9	13.0	13.8	14.1	15.9	16.5	16.5	16.6	16.6	16.7	16.8
IV 7000		6.0	7.9	11.2	12.6	12.7	13.9	14.7	15.0	17.0	17.7	17.7	17.7	17.7	17.6	18.0
IV 5000		6.0	7.9	11.2	12.7	12.8	14.0	15.0	15.3	17.3	18.0	18.0	18.1	18.1	18.2	18.4
IV 5000		6.0	8.0	11.7	12.2	13.4	14.6	15.6	15.9	18.3	19.0	19.1	19.2	19.2	19.3	19.4
IV 4500		6.0	8.0	11.7	13.3	13.4	14.7	15.7	16.0	18.3	19.3	19.4	19.5	19.5	19.6	19.8
IV 4000		6.1	8.2	11.9	13.8	14.1	15.3	16.3	16.8	19.4	20.2	20.2	20.4	20.4	20.5	20.6
IV 3500		6.4	8.5	12.4	14.4	14.7	16.3	17.3	17.7	20.4	21.2	21.3	21.4	21.4	21.5	21.7
IV 3000		6.9	9.4	14.1	16.3	16.9	19.0	20.2	20.8	24.2	25.0	25.1	25.2	25.2	25.3	25.4
IV 2500		8.0	10.7	16.1	18.9	19.3	21.3	22.7	23.0	26.9	27.8	27.8	28.0	28.0	28.1	28.2
IV 2000		8.8	11.8	17.4	20.7	21.1	24.0	25.3	25.9	30.1	31.1	31.2	31.3	31.3	31.5	31.6
IV 1800		8.9	11.9	17.6	20.8	21.3	24.2	25.6	26.2	30.6	31.7	31.8	31.9	31.9	32.0	32.1
IV 1500		10.3	13.6	19.9	23.4	24.0	27.1	28.6	29.2	33.9	35.0	35.2	35.3	35.3	35.4	35.6
IV 1200		11.3	15.3	22.3	26.0	26.7	30.2	32.2	32.8	38.0	39.9	40.2	40.3	40.3	40.4	40.6
IV 1000		12.4	16.6	24.1	28.1	28.9	32.7	34.6	35.3	42.4	43.8	44.1	44.2	44.3	44.4	44.6
IV 900		12.7	17.1	24.7	29.0	30.1	34.3	36.4	37.2	43.0	44.4	44.7	44.9	44.9	47.0	47.2
IV 700		13.2	17.7	25.8	30.3	31.8	36.7	39.3	40.3	48.8	50.4	50.7	50.9	51.0	51.1	51.3
IV 600		13.3	18.1	27.1	31.9	33.4	38.9	42.2	43.7	53.9	55.8	56.1	56.4	56.6	56.7	56.9
IV 500		13.7	18.4	27.8	32.8	34.4	40.3	44.4	46.4	57.0	59.7	60.0	60.3	60.3	60.6	60.8
IV 400		13.7	18.4	27.9	33.2	34.9	41.4	46.3	48.8	62.9	67.3	67.7	68.1	68.3	68.4	68.5
IV 300		13.8	18.5	27.9	33.4	35.1	42.0	47.3	50.2	68.0	74.9	75.7	76.5	76.7	76.8	77.0
IV 200		13.8	18.5	27.9	33.4	35.1	42.1	47.7	50.4	69.8	77.3	81.7	83.3	84.2	84.7	85.2
IV 100		13.8	18.5	27.9	33.4	35.1	42.1	47.7	50.6	70.2	80.5	83.7	86.6	89.5	90.8	92.6
IV 0		13.8	18.5	27.9	33.4	35.1	42.1	47.7	50.6	70.2	80.5	83.7	86.7	89.8	92.7	98.2

TOTAL NUMBER OF OBSERVATIONS. 1949

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BALMOLD DEP GERMANY AAF

66-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2500-1000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING		1.7	1.7	1.7	5.1	5.1	9.3	11.9	12.7	12.7	20.3	20.3	20.3	20.3	20.3	21.0
≥ 20000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	12.7	12.7	20.3	21.2	21.2	22.0	22.0	22.0
IV 18000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 16000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 14000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 12000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 10000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 9000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 8000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 7000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 6000		1.7	1.7	1.7	5.9	5.9	10.2	12.7	13.6	13.6	20.3	21.2	21.2	22.0	22.0	22.0
IV 5000		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.5	14.5	22.0	22.9	23.7	24.6	24.6	24.6
IV 4500		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.5	14.5	22.0	22.9	23.7	24.6	24.6	24.6
IV 4000		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.5	14.5	22.0	22.9	23.7	24.6	24.6	24.6
IV 3500		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.5	14.5	22.0	22.9	23.7	24.6	24.6	24.6
IV 3000		1.7	2.5	2.5	6.8	6.8	11.0	13.6	14.5	14.5	22.0	22.9	23.7	24.6	24.6	24.6
IV 2500		1.7	2.5	2.5	7.6	7.6	11.9	14.4	15.3	15.3	24.6	25.4	26.3	27.1	27.1	27.1
IV 2000		1.7	2.5	2.5	7.6	7.6	11.9	14.4	15.3	15.3	24.6	25.4	26.3	27.1	27.1	27.1
IV 1800		1.7	2.5	3.4	7.6	7.6	11.9	14.4	15.3	15.3	24.6	25.4	26.3	27.1	27.1	27.1
IV 1500		1.7	2.5	3.4	10.2	10.2	13.6	17.8	18.6	18.6	28.8	30.7	31.6	32.4	32.4	33.3
IV 1200		1.7	2.5	6.8	11.0	11.0	14.4	20.3	21.2	21.2	32.2	33.9	35.7	35.6	35.6	36.4
IV 1000		1.7	2.5	6.8	11.0	11.0	14.4	21.2	22.9	22.9	33.9	35.7	35.6	35.6	36.4	37.3
IV 900		1.7	2.5	6.8	11.0	11.0	14.4	21.2	22.9	22.9	33.9	35.7	35.6	35.6	36.4	37.3
IV 800		1.7	2.5	6.8	11.0	11.0	14.4	21.2	22.9	22.9	33.9	35.7	35.6	35.6	36.4	37.3
IV 700		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4
IV 600		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4
IV 500		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4
IV 400		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4
IV 300		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4
IV 200		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4
IV 100		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4
IV 0		1.7	2.5	7.6	11.9	11.9	17.8	24.6	25.4	25.4	46.3	50.8	51.7	52.5	52.5	53.4

TOTAL NUMBER OF OBSERVATIONS 118

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

66-7C

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.5	≥.5 1/2	≥.5	≥.5	
NO CEILING		2.0	2.2	3.4	4.9	5.1	7.1	7.8	9.5	12.7	13.7	14.4	14.7	14.7	14.5	13.4
IV 20000	2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.1	17.4	18.1
IV 18000	2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.1	17.4	18.1
IV 16000	2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.1	17.4	18.1
IV 14000	2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.1	17.4	18.1
IV 12000	2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.1	17.4	18.1
IV 10000	2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.1	17.4	18.1
IV 9000	2.0	2.2	3.4	6.1	6.4	8.8	10.0	11.7	14.9	15.9	16.9	17.1	17.1	17.1	17.4	18.1
IV 8000	2.0	2.4	3.7	6.4	6.8	9.2	10.5	12.2	15.9	16.9	17.8	18.1	18.1	18.1	18.3	19.1
IV 7000	2.0	2.4	3.7	6.4	6.8	9.2	10.5	12.2	15.9	16.9	17.8	18.1	18.1	18.1	18.3	19.1
IV 6000	2.0	2.7	4.2	6.8	7.3	9.8	11.0	12.7	16.4	17.4	18.3	19.1	19.1	19.1	19.3	20.0
IV 5000	2.0	2.7	4.2	6.8	7.3	9.8	11.0	12.7	16.4	17.4	18.3	19.1	19.1	19.1	19.3	20.0
IV 4500	2.4	3.4	4.9	7.6	8.1	10.5	12.2	13.9	17.6	18.8	20.5	21.0	21.0	21.0	21.3	22.0
IV 4000	2.4	3.4	4.9	7.6	8.1	10.5	12.2	13.9	17.6	18.8	20.5	21.0	21.0	21.0	21.3	22.0
IV 3500	2.4	3.4	5.1	7.8	8.3	10.8	12.5	14.2	17.8	19.1	20.8	21.3	21.3	21.3	21.5	22.2
IV 3000	2.4	3.4	5.1	7.8	8.3	10.8	12.5	14.2	17.8	19.1	20.8	21.3	21.3	21.3	21.5	22.2
IV 2500	2.4	4.2	6.8	9.5	10.3	13.4	15.6	17.4	22.0	23.2	24.9	25.4	25.4	25.4	25.7	26.4
IV 2000	2.4	4.2	6.8	9.5	10.3	13.4	15.6	17.4	22.0	23.2	24.9	25.4	25.4	25.4	25.7	26.4
IV 1800	2.7	4.2	7.3	10.3	11.0	14.2	16.6	18.8	24.0	25.2	26.9	27.4	27.4	27.4	27.6	28.9
IV 1500	3.4	5.1	10.5	13.7	14.4	18.0	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.0	34.2	35.7
IV 1200	3.4	5.1	10.5	13.7	14.4	18.0	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.0	34.2	35.7
IV 1000	3.4	5.1	10.5	13.7	14.4	18.0	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.0	34.2	35.7
IV 900	3.4	5.1	10.5	13.7	14.4	18.0	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.0	34.2	35.7
IV 800	3.4	5.1	10.5	13.7	14.4	18.0	21.3	23.7	30.6	31.8	33.5	34.0	34.0	34.0	34.2	35.7
IV 700	3.7	5.9	12.2	15.9	17.1	23.0	25.9	32.3	47.2	50.6	52.3	52.8	52.8	52.8	53.1	54.5
IV 600	3.7	5.9	12.2	15.9	17.1	23.0	25.9	32.3	47.2	50.6	52.3	52.8	52.8	52.8	53.1	54.5
IV 500	3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.5	66.7	68.2
IV 400	3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.5	66.7	68.2
IV 300	3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.5	66.7	68.2
IV 200	3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.5	66.7	68.2
IV 100	3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.5	66.7	68.2
IV 0	3.9	6.1	12.7	16.6	17.8	24.7	30.8	35.7	58.9	63.6	65.8	66.5	66.5	66.5	66.7	68.2

TOTAL NUMBER OF OBSERVATIONS 409



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

36077  
STATION

BAUMHOLDER GERMANY AAF

6677C

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0200-0400

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	≥0	
NO CEILING		2.6	2.8	3.5	5.1	5.4	7.0	8.4	9.6	10.5	10.7	11.4	11.4	11.4	11.9	12.0
IV 20000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.5	16.3	16.8	17.7	17.7	17.7	18.2	19.1
IV 18000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.5	16.3	16.8	17.7	17.7	17.7	18.2	19.1
IV 16000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.5	16.3	16.8	17.7	17.7	17.7	18.2	19.1
IV 14000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.5	16.3	16.8	17.7	17.7	17.7	18.2	19.1
IV 12000		2.8	4.7	6.1	7.7	7.9	10.7	13.3	14.5	16.3	16.8	17.7	17.7	17.7	18.2	19.1
IV 10000		2.8	4.7	6.5	8.4	8.6	11.4	14.0	15.2	17.0	17.5	18.4	18.4	18.4	18.9	19.9
IV 9000		2.8	4.7	6.5	8.4	8.6	11.4	14.0	15.2	17.0	17.5	18.4	18.4	18.4	18.9	19.9
IV 8000		2.8	4.7	6.5	8.4	8.6	11.4	14.0	15.2	17.0	17.5	18.4	18.4	18.4	18.9	19.9
IV 7000		3.3	5.1	7.7	9.6	9.8	13.8	16.8	16.6	21.0	21.7	22.8	22.8	23.1	23.5	24.9
IV 6000		3.5	5.4	8.4	10.3	10.5	14.9	17.9	20.0	22.4	23.1	24.2	24.2	24.5	24.9	25.9
IV 5000		4.2	6.1	9.3	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 4500		4.2	6.1	9.3	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 4000		4.2	6.1	9.3	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 3500		4.2	6.1	9.3	11.2	11.4	15.9	19.1	21.2	23.5	24.2	25.4	25.4	25.6	26.1	27.5
IV 3000		4.2	6.2	9.8	11.7	11.9	17.5	21.0	23.3	25.6	26.3	27.7	27.7	28.2	29.1	30.5
IV 2500		4.2	7.0	10.5	12.8	13.1	18.9	22.4	24.9	27.7	28.4	29.8	29.8	30.3	31.2	32.6
IV 2000		4.7	7.7	11.2	13.8	13.8	19.8	23.8	26.6	29.8	30.5	31.9	31.9	32.4	33.3	34.7
IV 1800		4.9	7.9	11.9	14.5	14.7	20.7	24.7	27.5	30.5	31.5	32.9	32.9	33.3	34.3	35.7
IV 1500		6.1	9.6	13.6	19.1	19.3	26.8	30.8	32.6	37.3	38.2	39.6	39.6	40.1	41.0	42.4
IV 1200		7.9	11.7	18.4	22.1	22.4	30.8	35.2	38.0	42.7	43.6	45.0	45.0	45.5	46.4	47.9
IV 1000		7.9	11.7	18.4	22.1	22.4	30.8	35.2	38.0	42.7	43.6	45.0	45.0	45.5	46.4	47.9
IV 900		7.9	12.1	19.6	23.8	24.3	32.2	36.2	41.3	47.3	47.3	48.8	48.8	49.7	50.1	51.0
IV 800		7.9	12.4	20.3	24.5	25.6	34.7	40.3	44.3	51.3	52.7	54.1	54.1	54.5	55.5	56.9
IV 700		7.9	12.9	20.7	25.2	26.3	35.9	42.4	46.4	54.5	56.2	57.6	57.6	58.0	59.0	60.4
IV 600		8.4	13.8	21.9	26.6	27.7	37.5	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 500		8.4	13.8	21.9	26.6	27.7	37.5	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 400		8.4	13.8	21.9	26.6	27.7	37.5	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 300		8.4	13.8	21.9	26.6	27.7	37.5	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 200		8.4	13.8	21.9	26.6	27.7	37.5	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 100		8.4	13.8	21.9	26.6	27.7	37.5	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3
IV 0		8.4	13.8	21.9	26.6	27.7	37.5	44.8	49.0	58.7	61.1	62.5	62.5	62.9	63.9	65.3

TOTAL NUMBER OF OBSERVATIONS 422

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

66070

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

DATE 7/5

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.15	≥0
NO CEILING		3.5	4.2	5.4	6.8	8.5	10.3	11.7	11.9	13.3	13.3	13.5	13.5	14.0	14.0	14.0
≥ 20000		3.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 18000		5.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 16000		5.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 14000		5.1	6.5	9.1	10.5	13.1	14.9	16.6	16.8	18.6	18.9	19.3	19.6	20.0	20.0	20.0
IV 12000		5.6	6.8	9.3	10.7	13.3	15.2	16.8	17.0	18.9	19.1	19.6	19.8	20.3	20.3	20.3
IV 10000		5.6	7.0	10.0	11.4	14.0	15.9	17.5	17.7	19.6	19.8	20.3	20.5	21.0	21.0	21.0
IV 9000		6.1	7.5	10.7	12.1	14.7	16.6	18.2	18.4	20.3	20.5	21.0	21.2	21.7	21.7	21.7
IV 8000		6.8	9.1	12.4	14.0	16.6	18.4	20.0	20.3	22.4	22.6	23.1	23.3	23.8	23.8	23.8
IV 7000		7.5	9.8	14.5	16.1	19.1	21.0	22.6	22.8	24.9	25.2	25.6	25.9	26.3	26.3	26.3
IV 6000		7.9	10.3	14.9	16.6	19.6	21.4	23.1	23.3	25.4	25.6	26.1	26.3	26.8	26.8	26.8
IV 5000		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 4500		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 4000		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 3500		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 3000		8.2	10.7	15.6	17.2	20.3	22.6	24.2	24.5	26.6	26.8	27.3	27.5	28.0	28.0	28.0
IV 2500		8.9	11.7	17.0	19.6	23.1	25.9	28.0	28.7	30.8	31.0	31.5	31.9	32.6	32.6	32.6
IV 2000		8.9	12.4	18.2	21.2	24.7	27.9	29.6	30.8	32.9	33.1	33.6	34.0	34.7	34.7	35.2
IV 1800		9.5	12.8	18.9	22.6	26.3	29.6	31.7	32.6	35.0	35.2	35.7	36.1	36.8	36.8	37.3
IV 1500		11.4	15.6	23.3	27.2	31.0	34.3	36.6	37.3	40.3	40.6	41.0	41.5	42.2	42.2	42.7
IV 1200		12.1	17.9	25.9	29.8	34.7	38.7	41.3	42.4	45.0	45.2	45.7	46.2	46.9	46.9	47.3
IV 1000		12.1	17.9	25.9	29.8	34.7	38.7	41.3	42.4	45.0	45.2	45.7	46.2	46.9	46.9	47.3
IV 900		12.8	19.3	27.7	31.7	37.5	42.7	47.6	50.3	53.1	53.4	53.8	54.3	55.0	55.0	55.3
IV 800		13.3	20.3	29.1	33.1	39.2	45.9	51.5	54.8	58.5	58.7	59.2	59.7	60.4	60.4	61.1
IV 700		13.5	20.7	30.3	33.2	41.3	48.3	53.5	58.7	62.3	62.5	63.0	64.1	64.8	64.8	65.3
IV 600		13.5	20.7	30.3	33.2	41.3	48.3	53.5	58.7	62.3	62.5	63.0	64.1	64.8	64.8	65.3
IV 500		14.3	21.9	31.5	36.8	43.1	51.3	60.4	63.9	69.3	69.5	71.3	71.8	73.0	73.7	74.4
IV 400		14.3	21.9	31.5	36.8	43.1	51.3	60.4	63.9	69.3	69.5	71.3	71.8	73.0	73.7	74.4
IV 300		14.3	21.9	31.5	36.8	43.1	51.3	60.4	63.9	69.3	69.5	71.3	71.8	73.0	73.7	74.4
IV 200		14.3	21.9	31.5	36.8	43.1	51.3	60.4	63.9	69.3	69.5	71.3	71.8	73.0	73.7	74.4
IV 100		14.3	21.9	31.5	36.8	43.1	51.3	60.4	63.9	69.3	69.5	71.3	71.8	73.0	73.7	74.4
IV 0		14.3	21.9	31.5	36.8	43.1	51.3	60.4	63.9	69.3	69.5	71.3	71.8	73.0	73.7	74.4

TOTAL NUMBER OF OBSERVATIONS 429

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER, GERMANY, AAF STATION NAME

66070

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

12/17/50

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0	
NO CEILING																
≥ 20000		4.2	5.3	6.6	7.9	7.9	10.0	11.1	12.4	14.5	15.8	16.1	16.1	16.3	16.3	16.3
IV 18000		5.5	7.1	9.3	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
IV 16000		5.5	7.1	9.3	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
IV 14000		5.5	7.1	9.3	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
IV 12000		5.5	7.1	9.3	11.6	11.8	14.2	15.8	17.1	19.5	21.1	21.6	21.8	22.1	22.1	22.1
IV 10000		5.5	7.1	10.0	12.1	12.4	14.7	16.3	17.6	20.3	21.6	22.6	22.9	23.2	23.2	23.2
IV 9000		5.5	7.1	10.0	12.1	12.4	14.7	16.3	17.6	20.3	21.6	22.6	22.9	23.2	23.2	23.2
IV 8000		6.8	8.2	11.8	13.9	14.2	16.6	18.2	19.5	22.1	23.7	24.5	24.7	25.0	25.0	25.0
IV 7000		7.9	10.0	14.7	16.8	17.4	20.0	21.6	22.9	25.5	27.1	27.9	28.2	28.4	28.4	28.4
IV 6000		7.9	10.0	15.3	17.4	17.9	20.3	22.1	23.4	26.3	27.9	28.7	28.9	29.2	29.2	29.2
IV 5000		8.4	10.8	15.8	18.2	18.7	21.8	23.7	25.0	28.2	29.7	30.5	30.8	31.1	31.1	31.1
IV 4500		8.4	10.8	16.1	18.4	18.9	22.1	23.9	25.3	28.4	30.0	30.8	31.1	31.3	31.3	31.3
IV 4000		8.4	10.8	16.1	18.4	18.9	22.1	23.9	25.3	28.4	30.0	30.8	31.1	31.3	31.3	31.3
IV 3500		8.4	10.8	16.1	18.4	18.9	22.1	23.9	25.3	28.4	30.0	30.8	31.1	31.3	31.3	31.3
IV 3000		8.9	11.3	16.8	19.5	20.0	23.4	23.3	26.6	27.7	31.3	32.1	32.4	32.6	32.6	32.6
IV 2500		9.2	11.6	17.6	20.3	21.6	25.0	27.6	29.2	32.6	34.2	35.0	35.3	35.5	35.5	35.5
IV 2000		9.2	11.6	17.6	20.3	21.6	25.0	27.6	29.2	32.6	34.2	35.0	35.3	35.5	35.5	35.5
IV 1800		9.5	11.8	18.9	21.6	22.9	26.3	30.0	31.6	35.0	36.6	37.4	37.6	37.9	37.9	37.9
IV 1500		12.9	15.3	23.4	26.3	27.6	31.6	33.3	36.8	40.3	41.8	42.5	42.9	43.2	43.2	43.2
IV 1200		13.2	16.3	24.7	27.6	29.3	33.7	37.9	39.7	43.2	44.7	45.5	45.8	46.1	46.1	46.1
IV 1000		13.4	16.6	25.8	28.9	30.8	33.3	40.8	42.9	46.3	47.7	48.3	50.0	50.3	50.3	50.3
IV 900		13.4	16.6	26.1	29.5	31.6	36.6	41.3	43.9	47.4	50.3	51.1	51.6	51.8	51.8	51.8
IV 800		13.9	17.1	26.8	30.5	32.9	38.7	44.7	46.8	50.2	53.0	53.8	56.3	56.6	56.6	56.6
IV 700		14.3	17.6	27.9	31.8	34.2	40.3	48.9	51.1	53.7	61.1	61.8	62.4	62.6	62.6	62.6
IV 600		14.3	17.6	27.9	32.6	35.0	41.6	50.3	52.6	61.8	66.2	65.3	66.1	66.3	66.3	66.3
IV 500		14.3	17.9	29.3	34.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7
IV 400		14.3	17.9	29.3	34.2	36.6	43.4	52.9	55.3	66.6	70.8	72.4	74.2	74.7	74.7	74.7
IV 300		14.3	17.9	29.3	34.2	36.6	43.4	52.9	55.3	70.0	77.1	80.3	82.4	85.5	85.5	85.5
IV 200		14.3	17.9	29.3	34.2	36.6	43.4	52.9	55.3	70.0	77.6	81.6	85.3	88.4	89.7	89.7
IV 100		14.3	17.9	29.3	34.2	36.6	43.4	52.9	55.3	70.0	77.6	82.4	87.1	90.3	93.2	96.3
IV 0		14.3	17.9	29.3	34.2	36.6	43.4	52.9	55.3	70.0	77.6	82.4	87.1	90.8	93.7	100.0

TOTAL NUMBER OF OBSERVATIONS 380

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 RAMMHOLDER GERMANY AAF

66

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

140000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑	≥⅐
NO CEILING			3.4	3.4	6.9	10.3	10.3	13.8	20.7	27.6	34.5	34.5	34.5	34.5	34.5	34.5
IV 20000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 18000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 16000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 14000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 12000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 10000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 9000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 8000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 7000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	37.9	37.9	37.9	37.9	37.9	37.9
IV 6000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 5000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 4500			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 4000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 3500			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 3000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 2500			3.4	3.4	6.9	10.3	10.3	17.2	24.1	34.5	41.4	41.4	41.4	41.4	41.4	41.4
IV 2000			3.4	3.4	6.9	10.3	10.3	17.2	24.1	31.0	41.4	41.4	41.4	41.4	41.4	41.4
IV 1800			6.9	6.9	10.3	13.8	17.2	24.1	31.0	41.4	48.3	48.3	48.3	48.3	48.3	48.3
IV 1500			6.9	6.9	10.3	13.8	17.2	24.1	31.0	41.4	48.3	48.3	48.3	48.3	48.3	48.3
IV 1200			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 1000			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 900			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 800			10.3	10.3	13.8	17.2	27.6	34.5	41.4	51.7	58.6	58.6	58.6	58.6	58.6	58.6
IV 700			10.3	10.3	13.8	17.2	31.0	41.4	48.3	62.1	69.0	69.0	69.0	69.0	69.0	69.0
IV 600			10.3	10.3	13.8	17.2	31.0	41.4	48.3	62.1	69.0	69.0	69.0	69.0	69.0	69.0
IV 500			10.3	10.3	13.8	17.2	31.0	41.4	48.3	65.5	72.4	72.4	72.4	72.4	72.4	72.4
IV 400			10.3	10.3	13.8	17.2	31.0	41.4	48.3	65.5	72.4	72.4	72.4	72.4	72.4	72.4
IV 300			10.3	10.3	13.8	17.2	31.0	41.4	48.3	65.5	72.4	72.4	72.4	72.4	72.4	72.4
IV 200			10.3	10.3	13.8	17.2	31.0	41.4	48.3	65.5	72.4	72.4	72.4	72.4	72.4	72.4
IV 100			10.3	10.3	13.8	17.2	31.0	41.4	48.3	65.5	72.4	72.4	72.4	72.4	72.4	72.4
IV 0			10.3	10.3	13.8	17.2	31.0	41.4	48.3	65.5	72.4	72.4	72.4	72.4	72.4	72.4

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BAWMHOLDER GERMANY AAF

65-76

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING		3.3	5.2	7.8	10.5	11.1	13.7	14.4	14.4	24.2	24.8	26.1	26.1	26.1	26.1	26.1
IV 20000		3.3	5.2	7.8	10.5	11.1	13.7	14.4	14.4	24.2	24.8	26.1	26.1	26.1	26.1	26.1
IV 18000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 16000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 14000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 12000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 10000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 9000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 8000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 7000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.1	26.8	26.1	28.1	28.1	28.1	28.1
IV 6000		3.3	5.2	7.8	10.5	11.1	14.4	15.7	15.7	26.8	27.5	28.8	28.8	26.8	28.8	28.8
IV 5000		3.3	5.9	9.2	11.8	12.4	15.7	17.0	17.0	28.1	28.8	30.7	30.7	30.7	30.7	31.7
IV 4500		3.3	5.9	9.2	11.8	12.4	15.7	17.0	17.0	28.1	28.8	30.7	30.7	30.7	30.7	31.7
IV 4000		3.3	5.9	9.2	11.8	12.4	15.7	17.0	17.0	28.1	28.8	30.7	30.7	30.7	30.7	31.7
IV 3500		3.3	5.9	9.8	12.4	13.1	17.0	18.3	18.3	29.4	30.1	32.0	32.0	32.0	32.0	32.0
IV 3000		4.6	7.2	12.4	18.0	15.7	19.6	20.9	20.9	32.0	32.7	34.6	34.6	34.6	34.6	34.6
IV 2500		4.6	7.2	13.1	18.7	15.7	20.9	21.6	21.6	32.7	33.3	35.3	35.3	35.3	35.3	35.3
IV 2000		5.9	9.2	17.0	20.4	21.6	24.1	27.5	27.5	39.2	39.9	41.8	41.8	41.8	41.8	41.8
IV 1800		5.9	9.2	17.0	20.4	21.6	24.1	27.5	27.5	39.2	39.9	41.8	41.8	41.8	41.8	41.8
IV 1500		5.9	9.2	17.0	20.4	21.6	24.1	27.5	27.5	39.2	39.9	41.8	41.8	41.8	41.8	41.8
IV 1200		5.9	9.2	17.0	20.4	21.6	24.1	27.5	27.5	39.2	39.9	41.8	41.8	41.8	41.8	41.8
IV 1000		5.9	9.2	17.0	20.4	21.6	24.1	27.5	27.5	39.2	39.9	41.8	41.8	41.8	41.8	41.8
IV 900		5.9	10.5	21.6	28.8	29.4	32.0	33.3	33.3	47.7	48.4	50.3	50.3	50.3	50.3	50.3
IV 800		5.9	10.5	21.6	28.8	29.4	32.0	33.3	33.3	47.7	48.4	50.3	50.3	50.3	50.3	50.3
IV 700		5.9	10.5	22.2	29.4	30.1	32.7	34.0	34.0	51.4	52.1	54.1	54.1	54.1	54.1	54.1
IV 600		5.9	10.5	22.2	29.4	30.1	32.7	34.0	34.0	51.4	52.1	54.1	54.1	54.1	54.1	54.1
IV 500		5.9	10.5	22.2	30.1	30.7	34.6	35.3	35.3	55.1	55.8	57.8	57.8	57.8	57.8	57.8
IV 400		5.9	10.5	22.2	30.1	30.7	34.6	35.3	35.3	55.1	55.8	57.8	57.8	57.8	57.8	57.8
IV 300		5.9	10.5	22.2	30.1	30.7	34.6	35.3	35.3	55.1	55.8	57.8	57.8	57.8	57.8	57.8
IV 200		5.9	10.5	22.2	30.1	30.7	34.6	35.3	35.3	55.1	55.8	57.8	57.8	57.8	57.8	57.8
IV 100		5.9	10.5	22.2	30.1	30.7	34.6	35.3	35.3	55.1	55.8	57.8	57.8	57.8	57.8	57.8
IV 0		5.9	10.5	22.2	30.1	30.7	34.6	35.3	35.3	55.1	55.8	57.8	57.8	57.8	57.8	57.8

TOTAL NUMBER OF OBSERVATIONS 153

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 0.6	≥ 0.4	≥ 0.2			
NO CEILING		2.9	3.5	3.6	7.0	7.4	9.3	10.2	10.7	13.4	14.5	15.1	15.1	15.1	15.3	15.4
≥ 20000		3.9	4.5	7.2	8.7	9.1	11.4	12.6	13.2	16.3	17.4	18.0	18.0	18.0	18.2	18.4
IV 18000		3.9	4.5	7.2	8.7	9.1	11.4	12.6	13.2	16.3	17.4	18.0	18.0	18.0	18.2	18.4
IV 16000		3.9	4.5	7.2	8.7	9.1	11.4	12.6	13.2	16.3	17.4	18.0	18.0	18.0	18.2	18.4
IV 14000		3.9	4.5	7.4	8.9	9.3	11.6	12.8	13.4	16.5	17.6	18.2	18.2	18.2	18.4	18.4
IV 12000		3.9	4.5	7.4	8.9	9.3	11.6	12.8	13.4	16.5	17.6	18.2	18.2	18.2	18.4	18.4
IV 10000		3.9	4.5	7.6	9.1	9.5	11.8	13.0	13.6	16.7	17.8	18.4	18.4	18.4	18.6	18.6
IV 9000		3.9	4.5	7.9	9.2	9.7	12.0	13.2	13.8	16.9	18.0	18.6	18.6	18.6	18.8	18.8
IV 8000		4.1	5.4	8.9	10.3	10.7	13.2	14.5	15.1	18.6	19.6	20.2	20.2	20.2	20.5	20.7
IV 7000		4.3	5.6	9.3	11.4	11.8	14.3	15.7	16.3	20.0	21.1	21.7	21.7	21.7	21.9	22.1
IV 6000		4.8	6.2	9.9	12.0	12.4	14.9	16.3	17.1	21.3	22.3	23.1	23.1	23.1	23.3	23.5
IV 5000		4.8	6.4	10.5	12.6	13.0	15.5	17.1	17.8	22.1	23.3	24.0	24.2	24.3	24.4	24.6
IV 4500		4.8	6.5	10.5	12.6	13.0	15.5	17.1	17.8	22.1	23.3	24.0	24.2	24.3	24.4	24.6
IV 4000		4.8	6.4	10.7	12.8	13.2	15.7	17.6	18.2	22.7	23.6	24.2	24.4	24.4	24.6	24.8
IV 3500		4.8	6.4	11.6	14.0	14.5	17.1	19.0	19.6	24.6	25.6	26.2	26.4	26.4	26.7	26.9
IV 3000		5.6	7.5	13.2	16.1	16.5	19.4	21.3	21.9	26.7	27.7	28.5	28.7	28.7	28.9	29.1
IV 2500		6.4	8.3	15.9	19.4	19.8	22.7	25.0	25.6	30.4	31.6	32.2	32.4	32.4	32.6	32.8
IV 2000		8.2	10.7	18.4	22.3	22.8	25.8	28.1	28.7	34.5	35.7	36.4	36.6	36.6	36.8	37.0
IV 1800		8.2	10.7	18.4	22.3	22.8	25.8	28.1	28.7	34.5	35.7	36.4	36.6	36.6	36.8	37.0
IV 1500		9.2	11.8	20.9	25.4	26.2	29.3	32.0	32.6	39.3	40.9	41.5	41.7	41.8	42.1	42.3
IV 1200		9.7	12.4	23.1	28.9	30.0	33.9	36.8	37.2	44.6	46.3	46.9	47.1	47.3	47.5	47.9
IV 1000		10.8	13.4	26.0	32.1	34.3	40.1	43.8	45.9	54.8	56.8	57.6	57.9	58.1	58.3	58.7
IV 900		10.8	13.4	26.4	32.9	35.3	41.3	45.9	47.9	56.4	58.7	59.3	59.7	59.9	60.1	60.5
IV 800		10.5	13.6	26.9	34.7	36.2	43.2	47.9	50.2	59.3	61.6	62.4	62.6	62.8	63.0	63.4
IV 700		10.5	13.6	27.1	35.3	37.2	44.6	50.6	52.9	62.6	64.9	65.9	66.1	66.3	66.5	66.9
IV 600		10.7	14.0	27.3	36.4	38.0	45.9	52.5	55.2	66.3	68.3	69.8	70.0	70.2	70.5	70.9
IV 500		10.7	14.0	27.3	36.4	38.4	46.7	54.1	57.0	73.8	75.2	76.4	76.6	76.8	77.2	77.6
IV 400		10.7	14.0	27.3	36.4	38.4	46.7	54.1	57.0	73.8	75.2	76.4	76.6	76.8	77.2	77.6
IV 300		10.7	14.0	27.3	36.4	38.4	46.7	54.1	57.0	73.8	75.2	76.4	76.6	76.8	77.2	77.6
IV 200		10.7	14.0	27.3	36.4	38.4	46.7	54.1	57.0	73.8	75.2	76.4	76.6	76.8	77.2	77.6
IV 100		10.7	14.0	27.3	36.4	38.4	46.7	54.1	57.0	73.8	75.2	76.4	76.6	76.8	77.2	77.6
IV 0		10.7	14.0	27.3	36.4	38.4	46.7	54.1	57.0	73.8	75.2	76.4	76.6	76.8	77.2	77.6

TOTAL NUMBER OF OBSERVATIONS 434

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20077 BAUMHOLDBER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ΣFR = 100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2	0
NO CEILING ≥ 20000		6.0	7.2	9.9	11.9	12.6	13.6	13.8	14.4	15.0	15.0	15.2	15.2	15.2	15.2	15.2
IV 18000		7.8	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.5	19.5	20.0	20.0	20.0	20.0	20.0
IV 16000		7.9	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.5	19.5	20.0	20.0	20.0	20.0	20.0
IV 14000		7.3	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.5	19.5	20.0	20.0	20.0	20.0	20.0
IV 12000		7.8	9.3	12.3	14.4	15.4	16.9	17.9	18.7	19.5	19.5	20.0	20.0	20.0	20.0	20.0
IV 10000		8.0	9.3	12.8	14.8	16.5	17.9	18.9	19.8	20.6	20.6	21.0	21.0	21.0	21.0	21.2
IV 9000		8.0	9.3	12.8	14.8	16.5	17.9	18.9	19.8	20.6	20.6	21.0	21.0	21.0	21.0	21.2
IV 8000		8.4	9.9	13.2	15.2	16.9	18.7	20.0	20.8	21.4	21.4	22.0	22.0	22.0	22.0	22.2
IV 7000		8.8	11.1	13.4	17.7	19.2	21.8	23.0	23.9	24.7	24.7	25.1	25.1	25.1	25.1	25.3
IV 6000		9.9	11.5	16.0	18.3	20.0	22.0	23.9	24.7	25.7	25.9	26.9	26.9	26.9	26.9	26.9
IV 5000		10.1	11.7	16.3	18.5	20.2	22.0	23.9	24.9	25.3	26.3	27.0	27.4	27.4	27.4	27.4
IV 4500		10.3	12.1	16.7	18.9	20.4	22.5	24.9	25.7	27.0	27.6	28.0	28.0	28.0	28.0	28.2
IV 4000		10.7	12.3	17.3	19.5	21.2	23.1	25.3	26.5	27.8	28.4	28.8	28.8	28.8	28.8	29.0
IV 3500		10.9	13.2	19.8	22.4	24.1	27.0	28.4	29.4	30.9	31.5	32.1	32.1	32.1	32.1	32.3
IV 3000		12.1	14.4	21.8	24.7	26.3	29.6	31.3	32.3	33.7	34.6	35.0	35.0	35.0	35.0	35.2
IV 2500		12.8	15.2	23.3	26.3	28.6	31.9	33.7	35.0	36.4	37.4	38.1	38.1	38.1	38.1	38.3
IV 2000		13.4	16.0	24.7	27.8	30.0	33.2	34.4	36.6	38.8	40.1	40.7	40.7	40.7	40.7	40.9
IV 1800		14.6	17.3	26.5	29.6	31.9	35.4	37.2	38.9	40.7	42.0	42.6	42.6	42.6	42.6	42.8
IV 1500		17.1	20.0	30.3	34.0	36.6	39.9	41.8	43.0	45.3	46.3	47.1	47.1	47.1	47.1	47.3
IV 1200		17.9	21.6	32.9	36.6	38.3	44.4	46.5	47.7	50.8	51.9	52.5	52.5	52.5	52.5	52.7
IV 1000		18.9	23.5	34.2	40.3	42.3	48.8	51.6	52.9	56.8	58.4	59.3	59.3	59.3	59.3	59.5
IV 900		19.3	24.1	37.0	41.6	44.2	49.8	52.7	54.1	58.0	59.9	60.5	60.5	60.5	60.5	60.7
IV 800		20.0	24.7	38.1	42.6	45.9	51.8	55.1	56.6	61.1	63.0	63.6	63.6	63.6	63.6	64.0
IV 700		20.2	24.9	38.3	42.8	45.7	52.9	55.8	57.2	62.0	64.0	65.2	65.4	65.4	65.4	65.6
IV 600		20.6	25.9	39.7	44.4	47.3	55.2	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.4
IV 500		20.6	25.9	39.7	44.4	47.3	55.2	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.4
IV 400		20.6	25.9	39.7	44.4	47.3	55.2	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.4
IV 300		20.6	25.9	39.7	44.4	47.3	55.2	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.4
IV 200		20.6	25.9	39.7	44.4	47.3	55.2	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.4
IV 100		20.6	25.9	39.7	44.4	47.3	55.2	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.4
IV 0		20.6	25.9	39.7	44.4	47.3	55.2	57.7	61.3	67.7	70.0	70.8	71.0	71.2	71.2	71.4

TOTAL NUMBER OF OBSERVATIONS

436

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14077 3A WOLTER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

14-14

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2.2	≥2.1	≥2.0	≥1.8	≥1.6	≥1.5	≥1.4	≥1.3	≥1.2	≥1.0
NO CEILING																
≥ 20000		9.1	11.0	13.2	15.4	15.6	16.7	16.9	16.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3
IV 18000		12.4	14.3	17.3	19.4	20.9	21.9	23.2	23.6	23.8	24.1	24.1	24.1	24.1	24.1	24.1
IV 14000		12.4	14.3	17.3	19.4	20.9	21.9	23.2	23.6	23.8	24.1	24.1	24.1	24.1	24.1	24.1
IV 14000		12.7	14.8	17.7	19.8	21.3	22.4	23.5	23.8	24.3	24.5	24.5	24.5	24.5	24.5	24.5
IV 12000		12.7	14.8	17.7	19.8	21.3	22.4	23.5	23.8	24.3	24.5	24.5	24.5	24.5	24.5	24.5
IV 10000		12.9	15.0	18.1	20.3	21.7	22.8	24.1	24.3	24.7	24.9	24.9	24.9	24.9	24.9	24.9
IV 9000		13.3	15.6	18.6	20.7	22.2	23.2	24.3	24.7	25.1	25.3	25.3	25.3	25.3	25.3	25.3
IV 8000		13.7	16.2	19.6	21.9	23.4	24.5	25.7	25.9	26.4	26.6	26.6	26.6	26.6	26.6	26.6
IV 7000		14.3	17.1	20.9	23.2	24.7	25.7	27.0	27.2	27.6	27.8	27.8	27.8	27.8	27.8	27.8
IV 6000		15.8	18.6	22.6	24.9	26.4	27.6	29.1	29.3	29.7	30.0	30.0	30.0	30.0	30.0	30.0
IV 5000		16.0	18.8	23.0	25.3	26.8	28.1	29.5	29.7	30.6	31.0	31.0	31.0	31.0	31.0	31.0
IV 4500		16.0	18.8	23.0	25.3	26.8	28.1	29.5	29.7	30.6	31.0	31.0	31.0	31.0	31.0	31.0
IV 4000		16.5	19.2	23.4	25.9	27.4	28.9	30.4	30.6	31.4	31.9	31.9	31.9	31.9	31.9	31.9
IV 3500		16.9	20.0	24.7	27.2	28.7	30.2	31.5	31.9	32.9	33.3	33.3	33.3	33.3	33.3	33.3
IV 3000		20.9	24.5	29.3	31.9	33.3	34.8	36.3	36.7	37.8	38.6	38.6	38.6	38.6	38.6	38.6
IV 2500		23.2	27.6	33.1	35.7	37.3	38.8	40.3	40.7	42.2	42.8	42.8	42.8	42.8	42.8	42.8
IV 2000		26.2	31.0	38.0	40.7	42.8	44.8	46.8	46.8	48.3	48.9	48.9	48.9	48.9	48.9	48.9
IV 1800		27.8	32.5	40.9	43.9	46.0	47.7	49.2	49.8	51.3	52.1	52.3	52.3	52.3	52.3	52.3
IV 1500		30.2	36.3	44.1	47.3	49.8	51.9	53.6	54.2	56.1	56.8	57.0	57.0	57.0	57.0	57.0
IV 1200		32.5	39.0	47.9	52.3	55.1	57.4	59.1	59.7	61.6	62.2	62.4	62.4	62.4	62.4	62.4
IV 1000		33.3	40.7	50.4	55.1	58.4	60.8	63.7	64.2	67.1	67.7	67.9	67.9	67.9	67.9	67.9
IV 900		33.8	41.3	51.7	56.3	59.7	62.4	65.4	66.0	68.8	69.4	69.6	69.6	69.6	69.6	69.6
IV 800		33.8	41.3	52.1	57.8	61.2	64.8	67.9	68.6	71.3	72.2	72.4	72.4	72.4	72.4	72.4
IV 700		34.0	41.8	53.2	60.1	63.7	67.9	71.1	72.4	75.3	76.2	76.4	76.4	76.4	76.4	76.4
IV 600		34.2	42.0	53.6	60.5	64.1	69.0	72.6	73.8	77.0	77.8	78.1	78.1	78.1	78.1	78.1
IV 500		34.2	42.0	53.6	60.5	64.3	69.4	74.1	75.3	79.7	81.6	82.1	82.1	82.1	82.1	82.1
IV 400		34.2	42.0	53.6	60.5	64.3	70.3	75.3	76.8	82.5	85.9	86.4	86.4	86.4	86.4	86.4
IV 300		34.2	42.0	53.6	60.5	64.3	70.7	76.2	77.6	84.8	89.9	92.6	93.3	93.7	93.9	93.9
IV 200		34.2	42.0	53.6	60.5	64.3	70.7	76.2	77.6	84.8	91.4	95.6	96.4	97.7	97.9	98.1
IV 100		34.2	42.0	53.6	60.5	64.3	70.7	76.2	77.6	84.8	91.4	95.6	96.4	98.3	98.7	99.4
IV 0		34.2	42.0	53.6	60.5	64.3	70.7	76.2	77.6	84.8	91.4	95.6	96.4	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 474



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 9AWHOLDER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	> 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1.5	≥ 1	≥ 1	≥ 0.5	≥ 0.5	≥ 0.5	≥ 0.5	≥ 0	≥ 0
NO CEILING																
IV 20000	13.3	14.8	19.0	21.7	21.9	21.9	22.3	22.6	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
IV 18000	16.6	18.6	23.0	25.9	27.0	27.4	28.5	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
IV 16000	16.6	18.6	23.0	25.9	27.0	27.4	28.5	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
IV 14000	16.8	18.8	23.2	26.1	27.2	27.7	28.8	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 12000	16.8	18.8	23.2	26.1	27.2	27.7	28.8	29.2	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.1
IV 10000	17.7	19.7	24.1	27.0	28.1	28.5	29.6	30.1	30.8	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 9000	17.9	19.9	24.3	27.2	28.3	28.8	29.9	30.3	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2
IV 8000	19.8	21.7	26.1	29.0	30.1	30.8	31.9	32.3	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4
IV 7000	21.7	23.9	28.8	32.1	33.2	33.8	35.0	35.6	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 6000	22.3	24.8	29.6	33.0	34.1	34.7	35.8	36.3	37.4	37.8	37.8	37.8	37.8	37.8	37.8	37.8
IV 5000	22.6	25.0	30.3	33.8	35.0	35.6	37.4	38.1	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 4500	22.6	25.0	30.3	33.8	35.0	35.6	37.4	38.1	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 4000	23.5	25.9	31.4	35.0	36.1	37.4	38.9	39.6	41.4	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 3500	23.7	26.5	32.3	35.8	36.9	38.3	39.8	40.5	42.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 3000	26.7	29.4	36.1	39.8	40.9	42.2	43.8	44.8	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 2500	29.0	32.5	40.0	44.9	46.0	47.2	49.1	50.2	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 2000	30.3	34.3	42.1	49.1	50.2	51.8	53.5	54.8	57.1	58.0	58.0	58.2	58.2	58.2	58.2	58.2
IV 1800	31.0	35.4	44.0	50.0	51.1	52.7	54.4	55.5	58.0	58.8	58.8	59.1	59.1	59.1	59.1	59.1
IV 1500	32.0	36.3	45.0	54.9	56.0	58.4	60.2	61.3	64.2	65.0	65.0	65.3	65.3	65.3	65.3	65.3
IV 1200	34.1	39.6	50.4	58.0	59.1	61.5	63.3	64.4	67.5	68.4	68.4	68.6	68.6	68.6	68.6	68.6
IV 1000	35.0	41.3	52.7	61.1	62.2	64.8	67.0	68.1	71.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6
IV 900	35.0	41.8	53.3	61.5	62.7	65.2	68.4	69.5	72.5	73.7	73.7	73.9	73.9	73.9	73.9	73.9
IV 800	35.2	42.0	54.4	62.8	64.4	67.3	70.1	71.2	74.6	75.4	75.4	75.7	75.7	75.7	75.7	75.7
IV 700	35.6	43.1	55.5	64.8	66.4	70.4	73.0	74.1	77.7	78.5	78.5	78.8	78.8	78.8	78.8	78.8
IV 600	35.8	43.4	56.4	65.7	67.3	71.9	75.0	76.1	80.3	81.2	81.2	81.4	81.4	81.4	81.4	81.4
IV 500	35.8	43.5	56.6	65.9	67.3	72.8	76.1	77.2	82.3	83.8	83.8	84.1	84.1	84.1	84.1	84.1
IV 400	35.8	43.6	56.6	65.9	67.3	72.8	76.2	77.4	82.2	83.2	83.6	87.6	87.6	87.6	87.6	87.6
IV 300	35.8	43.6	56.6	65.9	67.3	72.7	77.0	78.1	85.0	89.8	89.8	90.5	92.7	92.7	92.7	92.7
IV 200	35.8	43.6	56.6	65.9	67.3	72.7	77.0	78.1	85.2	90.9	92.7	95.4	96.0	96.0	96.0	96.0
IV 100	35.8	43.6	56.6	65.9	67.3	72.7	77.0	78.1	85.2	90.9	92.7	95.4	96.7	97.1	98.2	98.2
IV 0	35.8	43.6	56.6	65.9	67.3	72.7	77.0	78.1	85.2	90.9	92.7	95.4	96.9	97.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 452

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14077 BAUMHOLDER GERMANY AAF

65-66

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

100-2-11

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅕	≥⅙	≥0
NO CEILING		5.4	16.1	16.1	17.9	19.6	25.0	25.0	25.0	26.8	26.8	26.8	26.8	26.8	26.8	26.8
IV 20000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 18000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 16000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 14000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 12000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 10000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 9000		7.1	19.6	19.6	21.4	23.2	28.6	30.4	30.4	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 8000		7.1	23.2	23.2	25.0	26.8	32.1	33.9	33.9	37.5	37.5	37.5	37.5	37.5	37.5	37.5
IV 7000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 6000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 5000		7.1	25.0	25.0	26.8	28.6	33.9	35.7	35.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 4500		7.1	25.0	26.8	28.6	30.4	35.7	37.5	37.5	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 4000		7.1	25.0	26.8	28.6	30.4	35.7	37.5	37.5	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 3500		7.1	25.0	26.8	28.6	30.4	35.7	37.5	37.5	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 3000		7.1	25.0	26.8	28.6	30.4	35.7	37.5	37.5	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 2500		8.9	26.8	32.1	33.9	37.5	44.6	46.4	46.4	50.0	51.8	51.8	51.8	51.8	51.8	51.8
IV 2000		10.7	32.1	37.5	42.9	44.6	50.0	55.4	55.4	58.9	60.7	60.7	60.7	60.7	60.7	60.7
IV 1800		10.7	32.1	37.5	42.9	44.6	50.0	55.4	55.4	58.9	60.7	60.7	60.7	60.7	60.7	60.7
IV 1500		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 1200		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 1000		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 900		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 800		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 700		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 600		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 500		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 400		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 300		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 200		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 100		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9
IV 0		12.5	33.9	41.1	46.4	48.2	58.9	62.5	62.5	66.1	67.9	67.9	67.9	67.9	67.9	67.9

TOTAL NUMBER OF OBSERVATIONS 56

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

26077 STATION BAUMHOLDER GERMANY AAF

0570

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

327-22

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	
NO CEILING																	
IV 20000	1.8	5.5	12.7	17.6	18.2	21.2	21.8	21.8	24.8	26.1	26.1	27.3	27.3	27.3	27.3	27.3	27.3
IV 18000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	28.5	29.1	29.1	29.1
IV 16000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	28.5	29.1	29.1	29.1
IV 14000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	28.5	29.1	29.1	29.1
IV 12000	2.4	6.1	13.3	18.8	19.4	22.4	23.0	23.0	26.1	27.3	27.3	28.5	28.5	28.5	29.1	29.1	29.1
IV 10000	2.4	6.7	13.9	19.4	20.0	23.0	23.6	23.6	26.7	27.9	27.9	29.1	29.1	29.1	29.7	29.7	30.9
IV 9000	2.4	6.7	13.9	19.4	20.0	23.0	23.6	23.6	26.7	27.9	27.9	29.1	29.1	29.1	29.7	29.7	30.9
IV 8000	2.4	7.3	15.2	20.6	21.2	24.2	24.8	24.8	28.5	29.7	29.7	30.9	30.9	30.9	31.5	31.5	32.7
IV 7000	2.4	7.3	15.2	20.6	21.2	24.2	24.8	24.8	28.5	29.7	29.7	30.9	30.9	30.9	31.5	31.5	32.7
IV 6000	2.4	7.3	16.4	21.8	22.4	25.5	26.1	26.1	29.7	30.9	30.9	32.1	32.1	32.1	32.7	32.7	33.9
IV 5000	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	32.7	33.3	33.3	34.5
IV 4500	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	32.7	33.3	33.3	34.5
IV 4000	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	32.7	33.3	33.3	34.5
IV 3500	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	32.7	33.3	33.3	34.5
IV 3000	2.4	7.3	17.0	22.4	23.0	26.1	26.7	26.7	30.3	31.5	31.5	32.7	32.7	32.7	33.3	33.3	34.5
IV 2500	2.4	7.3	18.2	23.6	24.2	27.9	29.1	29.1	32.7	33.9	33.9	35.2	35.2	35.2	35.8	35.8	37.0
IV 2000	3.0	7.9	18.8	24.7	25.3	29.1	30.3	30.3	33.9	35.2	35.2	36.4	36.4	36.4	37.0	37.0	38.2
IV 1800	3.0	7.9	18.8	24.7	25.3	29.1	30.3	30.3	33.9	35.2	35.2	36.4	36.4	36.4	37.0	37.0	38.2
IV 1500	3.6	9.1	22.4	26.5	27.1	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 1200	4.2	9.7	23.0	27.1	27.7	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 1000	4.2	9.7	23.0	27.1	27.7	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 900	4.2	9.7	24.2	27.6	28.2	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 800	4.2	9.7	24.2	27.6	28.2	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 700	4.2	9.7	25.5	28.8	29.4	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 600	4.2	10.3	25.5	29.4	30.0	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 500	4.2	10.3	25.5	29.4	30.0	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 400	4.2	10.3	25.5	29.4	30.0	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 300	4.2	10.3	25.5	29.4	30.0	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 200	4.2	10.3	25.5	29.4	30.0	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 100	4.2	10.3	25.5	29.4	30.0	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6
IV 0	4.2	10.3	25.5	29.4	30.0	31.5	32.7	32.7	36.4	37.6	37.6	38.8	38.8	38.8	39.4	39.4	40.6

TOTAL NUMBER OF OBSERVATIONS 165

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

65M70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0	
NO CEILING		4.8	9.5	14.3	15.9	16.7	18.0	18.4	18.6	20.2	20.5	20.5	20.9	21.1	21.3	22.5
IV 20000		6.3	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 18000		6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 16000		6.6	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 14000		6.4	12.0	16.9	18.8	19.6	21.1	21.5	21.7	24.6	25.2	25.2	25.8	26.0	26.2	27.3
IV 12000		6.6	12.2	17.1	19.2	20.0	21.5	21.9	22.1	25.0	25.6	25.6	26.2	26.4	26.6	27.3
IV 10000		6.6	12.6	17.8	20.2	20.9	22.5	22.9	23.1	26.2	26.7	26.7	27.3	27.5	27.7	28.7
IV 9000		6.6	12.6	17.8	20.2	20.9	22.5	22.9	23.1	26.2	26.7	26.7	27.3	27.5	27.7	28.7
IV 8000		7.2	13.6	19.2	22.3	23.1	24.6	25.2	25.6	28.7	29.3	29.3	29.8	30.0	30.2	31.4
IV 7000		8.3	15.1	21.7	25.0	25.8	27.3	28.1	28.5	31.6	32.4	32.4	32.9	33.1	33.3	34.5
IV 6000		8.5	15.5	22.3	26.0	26.7	28.3	29.1	29.3	32.6	33.3	33.3	33.9	34.1	34.3	35.5
IV 5000		9.1	16.1	23.1	26.7	27.5	29.1	29.8	30.2	33.5	34.3	34.3	35.1	35.3	35.5	36.6
IV 4500		9.1	16.1	23.1	26.7	27.5	29.1	29.8	30.2	33.5	34.3	34.3	35.1	35.3	35.5	36.6
IV 4000		9.3	16.3	23.3	26.9	27.7	29.3	30.0	30.4	33.7	34.7	34.7	35.3	35.5	35.7	36.8
IV 3500		9.3	16.3	23.3	26.9	27.7	29.3	30.0	30.4	33.7	34.7	34.7	35.3	35.5	35.7	36.8
IV 3000		10.5	17.8	25.6	29.8	30.3	32.9	34.3	34.7	38.6	39.5	39.5	40.1	40.3	40.7	41.9
IV 2500		10.9	18.2	26.7	31.2	32.4	34.5	36.4	37.0	40.7	41.9	41.9	42.4	42.8	43.0	44.2
IV 2000		12.6	20.7	29.0	35.1	36.2	38.8	40.7	41.8	45.8	46.7	46.7	47.5	47.9	48.1	49.2
IV 1800		12.4	20.7	30.8	36.0	37.2	39.9	42.1	42.8	46.9	48.1	48.3	49.0	49.4	49.6	50.8
IV 1500		14.3	24.6	32.7	41.5	42.8	46.1	48.4	49.4	53.5	54.8	55.0	55.8	56.4	56.6	57.8
IV 1200		14.7	24.8	36.6	42.6	44.0	47.7	51.0	52.1	56.4	58.1	58.3	59.1	59.7	59.9	61.1
IV 1000		15.8	26.4	39.3	46.3	48.1	51.7	55.0	57.4	62.8	64.9	65.1	65.9	66.5	66.7	67.9
IV 900		15.9	26.9	40.3	48.1	50.2	54.8	59.5	61.0	66.3	68.4	68.6	69.4	70.0	70.2	71.3
IV 800		16.9	28.1	42.6	50.6	52.7	58.1	63.0	64.8	70.3	72.3	72.7	73.4	74.0	74.2	75.4
IV 700		16.9	28.1	43.0	51.4	54.1	59.9	65.7	67.2	74.6	77.1	77.3	78.3	78.9	79.1	80.2
IV 600		17.2	28.7	43.6	51.9	54.7	60.5	66.9	68.6	77.3	80.6	81.2	82.0	82.6	82.8	83.9
IV 500		17.2	28.7	43.8	52.3	55.0	61.6	68.4	70.8	81.0	84.3	85.1	85.9	86.4	86.6	87.8
IV 400		17.2	28.7	44.0	52.5	55.2	62.2	69.8	71.9	83.3	87.2	88.2	89.0	89.7	89.9	91.3
IV 300		17.2	28.7	44.0	52.5	55.2	62.2	69.8	71.9	83.3	87.2	88.2	89.0	89.7	89.9	91.3
IV 200		17.2	28.7	44.0	52.5	55.2	62.2	69.8	71.9	83.3	87.2	88.2	89.0	89.7	89.9	91.3
IV 100		17.2	28.7	44.0	52.5	55.2	62.2	69.8	71.9	83.3	87.2	88.2	89.0	89.7	89.9	91.3
IV 0		17.2	28.7	44.0	52.5	55.2	62.2	69.8	71.9	83.3	87.2	88.2	89.0	89.7	89.9	91.3

TOTAL NUMBER OF OBSERVATIONS

326

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14077 BAWMOLDER GERYANY AAF

65072

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
IV 20000	11.9	14.8	17.5	19.3	19.9	20.7	21.1	21.1	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
IV 18000	14.6	18.1	21.6	23.6	24.4	25.3	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 16000	14.6	18.1	21.6	23.6	24.4	25.3	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 14000	14.6	18.1	21.6	23.6	24.4	25.3	26.3	26.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
IV 12000	14.6	18.1	21.6	23.8	24.6	25.7	26.5	26.7	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 10000	15.0	18.7	22.4	24.8	25.5	26.7	27.5	27.7	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 9000	15.2	19.1	22.8	25.3	26.1	27.2	28.1	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 8000	15.6	19.7	23.6	26.1	26.9	28.1	29.0	29.2	29.6	29.6	29.6	29.8	29.8	29.8	29.8	29.8
IV 7000	16.2	20.9	25.3	27.9	29.0	30.4	31.4	31.6	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2
IV 6000	16.9	21.2	26.1	28.7	30.0	31.4	32.4	32.6	32.9	32.9	33.1	33.1	33.1	33.1	33.1	33.1
IV 5000	16.6	21.4	26.8	29.2	30.8	32.2	33.1	33.3	33.9	34.1	34.3	34.3	34.3	34.3	34.3	34.3
IV 4500	16.6	21.4	26.7	29.4	31.0	32.4	33.3	33.5	34.1	34.3	34.5	34.5	34.5	34.5	34.5	34.5
IV 4000	17.2	22.0	27.5	30.2	32.0	33.8	34.5	34.7	35.3	35.5	35.7	35.7	35.7	35.7	35.7	35.7
IV 3500	17.7	23.0	29.2	32.0	33.7	35.5	36.3	36.6	37.2	37.4	37.6	37.6	37.6	37.6	37.6	37.6
IV 3000	19.3	24.8	31.0	33.1	35.8	38.8	40.0	40.4	40.9	41.1	41.3	41.3	41.3	41.3	41.3	41.3
IV 2500	20.7	26.9	34.1	35.8	41.1	43.3	44.4	44.8	45.8	46.0	46.2	46.2	46.2	46.2	46.2	46.2
IV 2000	23.8	30.8	38.6	44.1	46.6	49.1	50.7	51.3	52.2	52.4	52.6	52.6	52.6	52.6	52.6	52.6
IV 1800	25.0	32.7	40.9	46.4	48.9	51.5	53.6	54.2	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6
IV 1500	25.2	33.8	43.0	48.0	51.1	53.8	56.4	57.0	58.0	58.2	58.4	58.4	58.4	58.4	58.4	58.4
IV 1200	30.8	40.9	50.5	57.1	60.2	63.2	66.1	67.4	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2
IV 1000	32.4	43.2	54.4	61.6	65.1	68.8	71.9	73.3	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8
IV 900	33.1	44.2	55.4	63.2	66.9	71.2	74.3	75.8	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6
IV 800	33.9	46.0	57.5	66.1	70.2	74.7	78.2	79.7	82.5	82.8	83.0	83.0	83.0	83.0	83.0	83.0
IV 700	33.9	46.2	57.9	67.1	71.2	76.0	79.5	81.3	84.2	84.8	85.0	85.0	85.0	85.0	85.0	85.0
IV 600	34.1	46.8	58.5	67.6	71.7	77.0	81.3	82.2	87.1	87.9	88.1	88.1	88.1	88.1	88.1	88.1
IV 500	34.1	46.8	58.5	67.8	72.1	77.6	81.9	84.0	89.1	90.4	90.8	90.8	90.8	90.8	90.8	90.8
IV 400	34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	91.4	93.4	94.0	94.0	94.0	94.0	94.0	94.0
IV 300	34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	93.3	96.1	96.7	97.1	97.1	97.1	97.1	97.1
IV 200	34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	94.0	96.5	97.3	97.3	97.3	97.3	97.3	97.3
IV 100	34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	94.0	96.5	97.3	97.3	97.3	97.3	97.3	97.3
IV 0	34.1	46.8	58.5	67.8	72.1	77.6	82.3	84.6	94.0	96.5	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS... 313

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

30077 BAUMHOLDER GERMANY AAF

6576

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

12-27-64

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥	≥.5 to	≥	≥0
NO CEILING ≥ 20000	14.9	18.0	21.1	21.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
IV 18000 16000	17.8	21.7	25.3	25.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 14000 12000	17.8	21.7	25.3	25.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
IV 10000 9000	19.3	23.4	27.7	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 8000 7000	19.3	24.2	29.0	30.0	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
IV 6000 5000	20.5	25.9	31.5	32.9	33.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 4500 4000	20.9	26.3	32.1	33.5	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
IV 3500 3000	21.9	26.7	32.7	34.2	35.4	35.6	37.1	37.3	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 2500 2000	22.2	28.2	34.2	35.6	36.9	37.1	37.3	37.5	37.7	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 1800 1500	22.4	28.2	34.2	35.6	36.9	37.1	37.3	37.5	37.7	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 1200 1000	23.1	31.3	38.1	40.4	42.2	42.7	43.1	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 900 800	28.8	36.0	44.1	47.0	48.9	49.7	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 700 600	32.9	41.0	49.7	52.8	54.7	55.7	56.1	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 500 400	35.0	43.7	53.2	56.7	58.3	59.8	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 300 200	42.9	52.4	62.5	67.1	69.2	71.0	72.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 100 0	43.8	53.3	64.0	71.2	73.3	75.8	77.0	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
	47.0	56.7	68.3	74.1	76.6	79.7	81.8	82.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
	47.6	57.6	69.3	76.0	78.8	81.6	83.6	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
	48.2	58.4	71.2	77.8	80.5	84.7	86.7	87.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
	48.4	58.8	72.0	79.3	82.6	86.7	89.0	89.6	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
	48.7	59.0	72.3	79.7	83.0	88.0	90.7	92.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
	48.9	59.2	72.5	79.9	83.2	88.4	91.5	93.2	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	48.9	59.2	72.5	79.9	83.2	88.4	91.5	93.2	94.8	95.4	95.4	95.4	95.4	95.4	95.4	95.4
	48.9	59.4	72.7	80.1	83.4	88.6	91.7	93.4	96.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	48.9	59.4	72.7	80.1	83.4	88.6	91.7	93.4	96.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	48.9	59.0	72.7	80.1	83.4	88.6	91.7	93.4	96.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5

TOTAL NUMBER OF OBSERVATIONS 483

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

65-70 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

12-11-67

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1	
NO CEILING		15.6	19.0	23.8	24.7	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
≥ 20000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 18000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 16000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 14000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 12000		18.4	22.7	27.5	28.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
IV 10000		20.6	24.9	29.7	30.7	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
IV 9000		21.0	25.3	30.1	31.2	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
IV 8000		22.7	27.2	32.3	33.3	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 7000		23.8	29.9	35.1	36.6	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 6000		24.7	31.4	37.0	38.7	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 5000		24.9	31.6	37.9	39.8	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 4500		25.1	31.8	38.1	40.0	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 4000		26.8	33.3	40.5	42.4	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 3500		29.0	35.9	43.1	45.0	46.1	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 3000		32.3	40.0	48.5	50.6	51.7	52.4	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 2500		34.0	42.6	51.7	53.5	54.7	55.7	55.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 2000		39.8	49.6	59.5	62.2	64.5	65.4	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 1800		42.9	52.6	62.6	66.0	68.4	69.3	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 1500		46.5	57.6	68.2	72.1	74.5	75.3	75.5	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1200		48.7	60.2	71.0	76.4	79.0	79.9	80.5	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1000		49.1	60.8	72.3	78.8	81.8	82.8	84.6	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 900		49.6	61.5	72.2	80.3	83.3	83.7	86.6	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 800		49.8	61.9	72.8	81.4	84.4	84.7	88.3	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 700		49.8	61.9	72.8	81.4	84.4	84.7	88.3	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 600		49.8	61.9	72.8	81.4	84.4	84.7	88.3	89.2	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 500		50.0	62.6	74.9	82.7	85.7	85.7	90.0	91.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 400		50.0	63.0	75.9	83.5	86.6	86.6	90.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 300		50.0	63.0	75.9	83.5	86.6	86.6	90.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 200		50.0	63.0	75.9	83.5	86.6	86.6	90.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 100		50.0	63.0	75.9	83.5	86.6	86.6	90.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
0		50.0	63.0	75.9	83.5	86.6	86.6	90.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS 462

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BAUMHOLDER GERMANY AAF

65\*66

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1-10-66

CEILING (FEET)	VISIBILITY STATUS: MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥⅒	≥0	≥0
NO CEILING																
IV 20000	11,3	17,7	19,4	25,8	25,8	27,4	27,4	27,4	27,4	27,4	27,4	27,4	27,4	27,4	27,4	27,4
IV 18000	12,9	21,0	22,6	29,0	29,0	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3
IV 16000	12,9	21,0	22,6	29,0	29,0	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3
IV 14000	12,9	21,0	22,6	29,0	29,0	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3
IV 12000	12,9	21,0	22,6	29,0	29,0	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3	32,3
IV 10000	14,5	22,6	24,2	30,6	30,6	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9
IV 9000	14,5	22,6	24,2	30,6	30,6	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9	33,9
IV 8000	14,5	24,2	25,8	32,3	32,3	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,5
IV 7000	17,7	29,0	30,6	37,1	37,1	40,3	40,3	40,3	40,3	40,3	40,3	40,3	40,3	40,3	40,3	40,3
IV 6000	17,7	29,0	30,6	37,1	37,1	40,3	40,3	40,3	41,9	41,9	41,9	41,9	41,9	41,9	41,9	41,9
IV 5000	17,7	29,0	32,3	40,3	40,3	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5	43,5
IV 4500	17,7	29,0	32,3	40,3	40,3	43,5	43,5	43,5	45,2	45,2	45,2	45,2	45,2	45,2	45,2	45,2
IV 4000	17,7	29,0	32,3	40,3	40,3	43,5	43,5	43,5	45,2	45,2	45,2	45,2	45,2	45,2	45,2	45,2
IV 3500	17,7	29,0	32,3	41,9	43,5	46,8	46,8	46,8	46,8	46,8	46,8	46,8	46,8	46,8	46,8	46,8
IV 3000	19,4	30,6	32,3	41,9	43,5	46,8	46,8	46,8	48,4	48,4	48,4	48,4	48,4	48,4	48,4	48,4
IV 2500	21,0	32,3	37,1	43,5	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 2000	21,0	32,3	40,3	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 1800	21,0	35,5	40,3	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 1500	22,6	40,3	45,2	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 1200	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 1000	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 900	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 800	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 700	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 600	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 500	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 400	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 300	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 200	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 100	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0
IV 0	24,2	41,9	46,8	46,8	46,8	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0	50,0

TOTAL NUMBER OF OBSERVATIONS 62



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION: BAUMHOLDER, GERMANY, AAF STATION NAME

65=72 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

02007400

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4	
NO CEILING		15.4	20.1	21.9	23.7	25.4	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	29.0	29.0	29.0
≥ 20000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
IV 18000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
IV 16000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
IV 14000		17.2	22.5	24.3	26.0	28.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	32.5	32.5	32.5
IV 12000		17.8	23.1	24.9	26.6	29.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	33.7	33.7	33.7
IV 10000		18.3	23.7	25.4	27.2	29.6	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	34.3	34.3	34.3
IV 9000		18.3	24.3	26.0	27.8	30.2	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	34.9	34.9	34.9
IV 8000		18.9	26.0	27.8	29.6	32.0	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	37.3	37.3	37.3
IV 7000		19.5	27.6	29.6	31.4	33.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.5	38.5	38.5
IV 6000		20.1	28.4	30.2	32.5	35.5	39.1	39.1	39.1	39.1	40.2	40.2	40.2	40.2	42.0	42.0	42.0
IV 5000		21.2	30.8	33.1	36.1	39.1	43.8	43.8	43.8	43.8	45.0	45.0	45.0	45.0	46.7	46.7	46.7
IV 4500		21.3	30.8	33.7	36.7	39.6	44.4	44.4	44.4	44.4	46.2	46.2	46.2	46.2	47.9	47.9	47.9
IV 4000		21.9	31.4	34.3	37.3	40.2	46.2	46.2	46.2	46.2	47.9	47.9	47.9	47.9	49.7	49.7	49.7
IV 3500		21.9	31.4	35.5	39.1	42.0	48.8	48.8	48.8	48.8	50.9	50.9	50.9	50.9	52.7	52.7	52.7
IV 3000		22.5	32.5	37.3	42.0	45.0	51.5	51.5	51.5	51.5	53.6	53.6	53.6	53.6	55.6	55.6	55.6
IV 2500		23.1	33.7	38.5	43.8	46.2	52.7	52.7	52.7	52.7	55.0	55.0	55.0	55.0	56.8	56.8	56.8
IV 2000		26.0	36.7	42.6	47.9	51.5	58.0	58.0	58.0	58.0	60.7	60.7	60.7	60.7	63.3	63.3	63.3
IV 1800		26.0	36.7	42.6	47.9	51.5	58.0	58.0	58.0	58.0	60.7	60.7	60.7	60.7	63.3	63.3	63.3
IV 1500		27.8	38.5	45.0	50.9	54.4	60.7	60.7	60.7	60.7	63.3	63.3	63.3	63.3	66.3	66.3	66.3
IV 1200		28.4	39.1	45.6	50.9	55.0	61.5	61.5	61.5	61.5	64.5	64.5	64.5	64.5	67.5	67.5	67.5
IV 1000		29.0	40.2	48.5	53.8	56.0	63.3	63.3	63.3	63.3	66.3	66.3	66.3	66.3	70.4	70.4	70.4
IV 900		29.0	40.2	49.1	54.4	56.0	63.3	63.3	63.3	63.3	66.3	66.3	66.3	66.3	70.4	70.4	70.4
IV 800		29.0	40.2	49.7	55.0	56.0	67.5	67.5	67.5	67.5	71.4	71.4	71.4	71.4	75.1	75.1	75.1
IV 700		29.6	41.4	50.9	56.8	62.1	70.4	70.4	70.4	70.4	73.1	73.1	73.1	73.1	76.9	76.9	76.9
IV 600		30.2	42.0	51.5	58.0	62.1	71.4	71.4	71.4	71.4	75.1	75.1	75.1	75.1	78.7	78.7	78.7
IV 500		30.2	42.6	52.7	59.2	66.3	72.8	72.8	72.8	72.8	76.9	76.9	76.9	76.9	80.5	80.5	80.5
IV 400		30.2	42.6	52.7	59.2	64.5	74.0	74.0	74.0	74.0	78.7	78.7	78.7	78.7	82.8	82.8	82.8
IV 300		30.2	42.6	52.7	59.2	64.5	74.0	74.0	74.0	74.0	78.7	78.7	78.7	78.7	82.8	82.8	82.8
IV 200		30.2	42.6	52.7	59.2	64.5	74.0	74.0	74.0	74.0	78.7	78.7	78.7	78.7	82.8	82.8	82.8
IV 100		30.2	42.6	52.7	59.2	64.5	74.0	74.0	74.0	74.0	78.7	78.7	78.7	78.7	82.8	82.8	82.8
IV 0		30.2	42.6	52.7	59.2	64.5	74.0	74.0	74.0	74.0	78.7	78.7	78.7	78.7	82.8	82.8	82.8

TOTAL NUMBER OF OBSERVATIONS 109

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
IV 20000	19.5	22.8	23.3	26.4	28.8	29.7	29.9	30.1	30.3	30.5	30.5	30.7	30.9	31.0	31.1	31.2
IV 18000	21.6	25.5	28.0	29.3	31.9	33.0	33.4	33.6	33.8	34.2	34.4	34.6	34.7	34.7	34.7	35.0
IV 16000	21.6	25.5	28.0	29.3	31.9	33.0	33.4	33.6	33.8	34.2	34.4	34.6	34.7	34.7	34.7	35.0
IV 14000	21.6	25.5	28.0	29.3	31.9	33.0	33.4	33.6	33.8	34.2	34.4	34.6	34.7	34.7	34.7	35.0
IV 12000	22.0	25.9	23.6	29.9	32.4	33.6	34.0	34.2	34.4	34.7	34.9	35.1	35.3	35.3	35.3	35.7
IV 10000	22.6	26.4	29.2	30.5	33.2	34.4	34.7	34.9	35.1	35.5	35.7	35.9	36.1	36.1	36.1	36.5
IV 9000	23.4	27.4	30.1	31.5	34.2	35.2	35.7	35.9	36.1	36.5	36.7	36.9	37.1	37.1	37.1	37.5
IV 8000	24.7	29.2	42.2	34.0	36.7	38.2	38.8	39.0	39.2	39.8	40.0	40.3	40.5	40.5	40.5	40.9
IV 7000	25.1	30.5	33.8	35.5	38.5	40.3	41.1	41.3	41.5	42.1	42.2	42.7	42.9	42.9	42.9	43.4
IV 6000	26.4	31.1	34.7	36.7	40.0	41.7	42.5	42.7	42.9	43.4	43.6	44.0	44.2	44.2	44.2	44.6
IV 5000	27.8	32.0	37.1	39.4	43.1	44.8	44.1	46.3	46.5	47.1	47.2	47.7	47.9	47.9	47.9	48.5
IV 4500	27.8	33.0	37.6	40.2	44.0	46.1	47.1	47.5	47.7	48.2	48.5	48.8	49.0	49.0	49.0	49.6
IV 4000	29.2	33.4	40.0	42.1	46.7	49.0	50.0	50.4	51.0	51.5	51.7	52.1	52.3	52.3	52.3	52.9
IV 3500	30.1	33.3	41.1	44.2	47.9	50.2	51.2	51.5	52.1	52.7	52.9	53.3	53.5	53.5	53.5	54.1
IV 3000	32.4	37.8	44.0	47.3	51.0	53.7	54.6	55.0	55.6	56.2	56.4	56.8	56.9	56.9	56.9	57.5
IV 2500	33.0	38.6	45.6	48.8	52.5	55.4	56.6	56.9	57.5	58.1	58.3	58.7	58.9	58.9	58.9	59.5
IV 2000	34.9	41.1	49.0	52.3	56.2	59.5	61.0	61.4	62.2	63.2	63.5	63.9	64.1	64.1	64.1	64.7
IV 1800	34.9	41.1	49.0	52.3	56.2	59.5	61.0	61.4	62.2	63.2	63.5	63.9	64.1	64.1	64.1	64.7
IV 1500	37.3	44.2	52.7	56.2	60.4	64.3	66.2	66.8	68.0	69.1	69.3	69.7	69.9	69.9	69.9	70.5
IV 1200	37.6	44.6	53.3	57.1	61.8	65.2	68.2	68.9	70.3	71.4	71.6	72.0	72.2	72.2	72.2	72.8
IV 1000	39.2	46.5	56.9	61.6	66.2	71.2	74.3	75.1	76.4	77.6	77.8	78.2	78.4	78.4	78.4	79.0
IV 900	39.2	46.5	56.9	61.6	66.2	71.2	74.3	75.1	76.4	77.6	77.8	78.2	78.4	78.4	78.4	79.0
IV 800	39.4	46.7	57.3	62.4	67.0	72.0	75.0	77.0	79.0	80.0	80.0	81.1	81.3	81.3	81.3	81.9
IV 700	40.0	47.5	58.7	64.3	69.3	75.5	80.1	80.9	83.2	85.6	84.7	85.1	85.2	85.2	85.2	85.9
IV 600	40.3	48.1	59.3	65.1	70.1	76.6	81.5	82.6	85.1	87.8	85.0	88.4	88.6	88.6	88.6	89.2
IV 500	40.3	48.6	59.8	65.6	70.8	77.6	82.8	83.8	86.2	90.3	90.5	91.1	91.5	91.5	91.5	92.1
IV 400	40.3	48.6	59.8	65.6	70.8	77.6	82.8	83.8	86.2	90.3	90.5	91.1	91.5	91.5	91.5	92.1
IV 300	40.3	48.6	59.8	65.6	70.8	77.6	82.8	83.8	86.2	90.3	90.5	91.1	91.5	91.5	91.5	92.1
IV 200	40.3	48.6	59.8	65.6	70.8	77.6	82.8	83.8	86.2	90.3	90.5	91.1	91.5	91.5	91.5	92.1
IV 100	40.3	48.6	59.8	65.6	70.8	77.6	82.8	83.8	86.2	90.3	90.5	91.1	91.5	91.5	91.5	92.1
IV 0	40.3	48.6	59.8	65.6	70.8	77.6	82.8	83.8	86.2	90.3	90.5	91.1	91.5	91.5	91.5	92.1

TOTAL NUMBER OF OBSERVATIONS 518

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

6576

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≤1	≤.5	≤.25	≤.16	≤.1	≤.05	
NO CEILING																
≥ 20000		24.9	25.2	27.7	28.1	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 18000		27.2	28.9	32.0	33.5	34.1	34.2	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 16000		27.2	28.9	32.0	33.5	34.1	34.2	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000		27.2	28.9	32.0	33.7	34.3	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
IV 12000		27.2	28.9	32.0	33.7	34.3	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
IV 10000		28.3	30.3	33.7	35.5	36.0	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 9000		28.3	30.3	33.7	35.5	36.0	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 8000		29.3	31.6	35.1	37.0	37.6	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
IV 7000		30.3	32.4	36.0	38.0	38.5	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 6000		31.0	33.3	37.4	39.3	40.1	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 5000		31.4	33.7	38.0	39.9	40.7	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 4500		31.6	33.9	38.3	40.3	41.0	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 4000		32.2	34.8	41.2	42.2	42.9	44.2	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 3500		33.3	37.8	43.5	45.5	46.2	46.6	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 3000		33.5	42.2	48.2	50.1	51.1	52.0	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 2500		42.6	46.1	52.6	54.7	55.9	57.0	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 2000		49.3	52.0	59.9	62.0	62.2	64.4	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1800		50.5	54.3	61.5	64.0	65.5	66.9	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 1500		53.0	57.6	65.3	68.4	70.1	72.8	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 1200		53.4	58.0	67.4	72.3	74.2	77.5	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1000		53.8	59.2	69.9	75.0	77.5	82.1	82.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 900		53.5	59.2	70.3	75.5	78.0	82.9	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 800		54.3	60.1	72.1	77.2	80.2	85.2	86.9	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 700		54.5	60.5	73.0	78.6	81.7	87.1	88.8	89.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 600		55.1	61.5	74.4	80.0	83.0	88.8	91.1	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2
IV 500		55.1	61.5	74.6	80.2	83.2	89.0	91.3	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 400		55.1	61.5	74.6	80.5	83.6	89.6	92.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 300		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	98.5	98.5	98.5	98.5	98.5	98.5
IV 200		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	99.6	99.6	99.6	99.6	99.6	99.6
IV 100		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	99.6	99.6	99.6	99.6	99.6	99.6
IV 0		55.1	61.5	74.6	80.5	83.6	89.6	92.5	94.4	97.3	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 319

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34077 RAJMHOLZER GERMANY AAF

05-72

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

FORM 4-64

CEILING (FEET)	VISIBILITY STATUTE MILES															
	>10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		20.7	21.1	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
≥ 20000		25.5	27.7	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
IV 18000		25.5	27.7	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
IV 16000		25.5	27.7	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
IV 14000		25.5	27.7	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
IV 12000		26.9	27.7	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
IV 10000		27.7	29.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
IV 9000		27.7	29.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
IV 8000		29.9	31.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
IV 7000		30.7	32.5	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 6000		31.5	33.3	34.7	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
IV 5000		31.9	33.7	35.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 4500		32.3	34.1	35.5	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
IV 4000		33.1	35.5	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
IV 3500		36.1	38.6	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 3000		43.6	49.0	48.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 2500		52.4	55.2	58.6	59.6	60.6	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 2000		60.2	63.7	67.5	68.7	70.3	71.8	71.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1800		61.2	65.5	69.5	70.7	72.5	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 1500		66.1	69.3	74.1	73.7	77.5	78.7	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 1200		65.2	70.9	75.1	80.1	82.5	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1000		66.5	71.9	76.1	81.7	85.9	87.8	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 900		66.5	73.1	81.1	83.9	86.1	88.0	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 800		66.9	73.5	81.9	84.7	86.9	89.0	89.4	90.2	90.8	91.0	91.0	91.0	91.0	91.0	91.0
IV 700		67.1	73.9	82.7	85.7	88.2	91.0	91.4	92.4	93.0	93.4	93.4	93.4	93.4	93.4	93.4
IV 600		67.3	74.9	83.7	86.9	89.6	92.6	93.0	94.0	94.6	95.0	95.2	95.2	95.2	95.2	95.2
IV 500		67.5	74.9	84.7	86.9	89.8	93.0	93.8	95.2	96.2	96.6	96.8	96.8	96.8	96.8	96.8
IV 400		67.5	74.9	83.7	87.6	90.4	94.6	95.8	97.2	98.4	99.0	99.6	99.6	99.6	99.6	99.6
IV 300		67.5	74.9	83.7	87.6	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0
IV 200		67.5	74.9	83.7	87.6	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0
IV 100		67.5	74.9	83.7	87.6	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0
IV 0		67.5	74.9	83.7	87.6	90.4	94.6	95.8	97.2	98.4	99.4	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 498

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER, GERMANY, AAF

65876

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2
NO CEILING															
≥ 20000	24.3	26.4	26.8	26.8	27.4	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
18000	29.5	31.8	33.1	33.1	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
16000	29.5	31.8	33.1	33.1	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
14000	29.7	32.0	33.3	33.3	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
12000	29.7	32.0	33.3	33.3	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
10000	31.0	33.5	34.9	34.9	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
9000	31.6	34.2	35.8	35.8	36.5	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
8000	34.1	37.0	38.7	38.7	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
7000	35.0	40.0	41.8	42.1	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
6000	36.4	40.6	43.1	43.3	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
5000	37.0	41.5	44.1	44.4	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
4500	38.7	43.3	45.8	46.0	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
4000	41.4	46.7	49.2	49.4	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
3500	43.8	51.3	54.0	54.2	55.0	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
3000	50.8	56.5	59.8	60.3	61.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
2500	55.0	61.1	65.7	65.9	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2000	58.2	64.6	69.7	71.1	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
1800	58.8	65.9	71.1	72.8	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
1500	62.1	70.1	76.6	78.9	81.0	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
1200	63.0	71.3	79.3	81.8	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1000	64.0	72.6	81.2	84.1	86.4	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
900	64.3	73.0	81.6	84.5	86.8	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
800	64.2	72.2	82.0	85.6	87.9	89.7	90.4	90.8	91.6	92.3	92.3	92.3	92.3	92.3	92.3
700	64.4	73.4	82.6	86.4	89.1	91.4	92.7	92.9	93.9	94.8	94.8	94.8	94.8	94.8	94.8
600	64.9	74.2	83.5	87.2	90.2	92.9	93.9	94.6	96.2	97.1	97.3	97.3	97.3	97.3	97.3
500	64.9	74.3	83.5	87.2	90.2	93.1	94.8	95.4	97.1	98.1	98.3	98.3	98.3	98.3	98.3
400	64.9	74.3	83.5	87.7	90.6	93.7	95.8	96.4	98.1	99.2	99.4	99.4	99.4	99.4	99.4
300	64.9	74.3	83.5	87.7	90.6	93.7	95.8	96.4	98.1	99.2	99.4	100.0	100.0	100.0	100.0
200	64.9	74.3	83.5	87.7	90.6	93.7	95.8	96.4	98.1	99.2	99.4	100.0	100.0	100.0	100.0
100	64.9	74.3	83.5	87.7	90.6	93.7	95.8	96.4	98.1	99.2	99.4	100.0	100.0	100.0	100.0
0	64.9	74.3	83.5	87.7	90.6	93.7	95.8	96.4	98.1	99.2	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

472

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24077 BAWMHOLDER GERMAN AAF

05-66

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

14 00-2000

CEILING FEET	VISIBILITY IN STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128
NO CEILING														
≥ 20000	15.0	16.7	16.7	18.3	18.3	18.3	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
IV ≥ 18000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV ≥ 16000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV ≥ 14000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV ≥ 12000	21.7	23.3	25.0	28.3	28.3	28.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV ≥ 10000	23.3	25.0	26.7	30.0	30.0	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV ≥ 9000	23.3	25.0	26.7	30.0	30.0	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV ≥ 8000	23.3	25.0	26.7	30.0	30.0	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV ≥ 7000	23.3	25.0	26.7	30.0	30.0	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
IV ≥ 6000	20.0	33.3	33.3	40.0	41.7	41.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV ≥ 5000	30.0	33.3	36.7	41.7	43.3	43.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV ≥ 4500	30.0	33.3	36.7	41.7	43.3	43.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV ≥ 4000	30.0	33.3	36.7	41.7	43.3	43.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV ≥ 3500	31.7	35.0	38.3	43.3	45.0	45.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV ≥ 3000	35.0	40.0	43.3	48.3	50.0	50.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV ≥ 2500	35.0	41.7	50.0	60.0	63.3	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV ≥ 2000	36.7	43.3	53.3	65.0	66.7	66.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV ≥ 1500	36.7	43.3	53.3	65.0	66.7	66.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV ≥ 1200	43.3	50.0	65.0	78.3	81.7	81.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 1000	43.3	50.0	65.0	78.3	81.7	81.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 900	43.3	50.0	65.0	78.3	81.7	81.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 800	43.3	50.0	65.0	78.3	81.7	81.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 700	43.3	50.0	65.0	78.3	81.7	81.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 600	43.3	50.0	65.0	80.0	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 500	43.3	50.0	65.0	80.0	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 400	43.3	50.0	65.0	80.0	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 300	43.3	50.0	65.0	80.0	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 200	43.3	50.0	65.0	80.0	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 100	43.3	50.0	65.0	80.0	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV ≥ 0	43.3	50.0	65.0	80.0	83.3	83.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7

TOTAL NUMBER OF OBSERVATIONS 60

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

34077 BACHMOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		17.4	22.5	25.8	27.0	27.0	27.5	28.7	28.7	29.8	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000		20.2	25.8	29.0	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 18000		20.2	25.8	29.0	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 16000		20.2	25.8	29.0	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 14000		20.2	25.8	29.0	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 12000		20.2	25.8	29.0	30.9	30.9	31.5	32.6	32.6	33.7	34.3	34.3	34.3	34.3	34.3	34.3
IV 10000		21.9	27.5	31.5	32.6	32.6	33.1	34.3	34.3	36.0	36.5	36.5	36.5	36.5	36.5	36.5
IV 9000		21.9	27.5	31.5	32.6	32.6	33.1	34.3	34.3	36.0	36.5	36.5	36.5	36.5	36.5	36.5
IV 8000		26.4	33.1	37.1	38.8	38.8	39.3	41.0	41.0	42.7	43.3	43.3	43.3	43.3	43.3	43.3
IV 7000		27.5	34.8	39.9	42.1	42.1	42.7	44.4	44.4	46.1	46.6	46.6	46.6	46.6	46.6	46.6
IV 6000		28.1	35.4	41.0	43.8	43.8	44.4	46.6	46.6	48.3	48.9	48.9	48.9	48.9	48.9	48.9
IV 5000		30.3	38.2	43.8	46.6	46.6	47.2	50.0	50.0	52.2	52.8	52.8	52.8	52.8	52.8	52.8
IV 4500		30.9	39.3	44.9	47.8	47.8	48.3	51.1	51.7	53.4	53.9	53.9	53.9	53.9	53.9	53.9
IV 4000		32.0	40.4	47.2	50.6	50.6	51.1	53.9	54.5	56.3	56.7	56.7	56.7	56.7	56.7	56.7
IV 3500		32.6	41.6	48.3	51.7	51.7	52.2	55.1	55.2	57.9	58.4	58.4	58.4	58.4	58.4	58.4
IV 3000		33.7	42.7	50.6	53.9	53.9	55.1	57.9	58.4	60.7	61.2	61.2	61.2	61.2	61.2	61.2
IV 2500		34.3	43.3	51.1	55.6	55.6	56.7	59.5	60.7	62.4	62.9	62.9	62.9	62.9	62.9	62.9
IV 2000		36.0	46.1	53.9	59.6	59.6	60.7	63.5	64.6	67.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 1800		36.0	46.1	53.9	59.6	59.6	60.7	63.5	64.6	67.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 1500		36.0	46.1	53.9	59.6	59.6	60.7	63.5	64.6	67.4	68.5	68.5	68.5	68.5	68.5	68.5
IV 1200		37.6	48.9	57.3	63.5	63.5	64.6	67.4	69.1	71.9	73.0	73.0	73.0	73.0	73.0	73.0
IV 1000		38.2	49.4	59.0	65.2	65.2	66.3	69.1	71.9	74.7	75.8	75.8	75.8	75.8	75.8	75.8
IV 900		38.8	51.1	60.7	66.9	66.9	68.0	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 800		38.8	51.1	60.7	66.9	66.9	68.0	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 700		38.8	51.1	60.7	66.9	66.9	68.0	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 600		38.8	51.1	60.7	66.9	66.9	68.0	70.8	73.0	75.8	77.0	77.0	77.0	77.0	77.0	77.0
IV 500		39.9	52.2	63.5	69.7	70.8	71.9	73.6	75.8	79.5	80.3	80.3	80.3	80.3	80.3	80.3
IV 400		39.9	52.2	63.5	69.7	70.8	71.9	73.6	75.8	79.5	80.3	80.3	80.3	80.3	80.3	80.3
IV 300		39.9	52.2	63.5	69.7	70.8	71.9	73.6	75.8	79.5	80.3	80.3	80.3	80.3	80.3	80.3
IV 200		39.9	52.2	63.5	69.7	70.8	71.9	73.6	75.8	79.5	80.3	80.3	80.3	80.3	80.3	80.3
IV 100		39.9	52.2	63.5	69.7	70.8	71.9	73.6	75.8	79.5	80.3	80.3	80.3	80.3	80.3	80.3
IV 0		39.9	52.2	63.5	69.7	70.8	71.9	73.6	75.8	79.5	80.3	80.3	80.3	80.3	80.3	80.3

TOTAL NUMBER OF OBSERVATIONS. 178

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDBER GERMANY AAF

05=7C

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING																
≥ 20000	23.7	27.9	31.0	32.7	32.7	32.9	33.6	34.2	34.8	34.8	34.8	34.8	35.1	35.4	35.4	
18000	26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.1	
16000	26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.1	
14000	26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.1	
12000	26.2	30.7	34.6	36.6	36.8	37.0	37.8	38.5	39.1	39.1	39.1	39.1	39.4	39.6	40.1	
10000	27.9	31.9	35.5	37.8	37.9	38.1	38.9	39.6	40.4	40.4	40.4	40.4	40.7	40.9	41.2	
9000	27.9	32.7	36.6	38.9	39.1	39.2	40.0	40.7	41.5	41.5	41.5	41.5	41.8	42.1	42.4	
8000	32.3	37.9	42.4	44.9	45.0	45.2	46.2	46.9	47.7	47.9	47.9	47.9	48.2	48.4	48.8	
7000	33.8	38.9	43.7	46.4	46.5	46.9	47.9	48.6	49.7	49.9	49.9	49.9	50.3	50.5	51.1	
6000	34.0	40.2	45.2	48.0	48.6	49.2	50.3	51.0	52.1	52.3	52.3	52.3	52.7	52.9	53.3	
5000	36.4	42.2	48.4	51.2	51.8	52.7	53.8	54.6	55.7	55.9	55.9	55.9	56.3	56.4	56.8	
4500	36.8	43.6	49.0	51.8	52.3	53.3	54.4	55.1	56.3	56.4	56.4	56.4	56.8	57.0	57.4	
4000	37.4	44.3	50.5	53.3	53.8	54.8	55.9	56.6	57.8	57.9	57.9	57.9	58.3	58.5	58.9	
3500	38.7	46.4	52.7	55.5	56.3	57.2	58.3	59.1	60.2	60.4	60.4	60.4	60.7	60.9	61.3	
3000	40.9	49.0	56.1	59.4	60.2	61.3	62.6	63.4	64.8	64.7	64.7	64.7	65.0	65.2	65.6	
2500	41.5	50.1	57.4	60.9	61.7	62.8	64.7	65.8	67.1	67.3	67.3	67.3	67.9	68.0	68.4	
2000	43.0	52.0	60.0	63.9	64.7	65.7	68.2	69.7	71.2	71.6	71.6	71.6	72.0	72.1	72.7	
1800	43.2	52.3	60.4	64.3	65.2	67.3	68.8	70.3	71.8	72.1	72.1	72.1	72.5	72.7	73.3	
1500	44.7	54.3	62.0	66.7	67.7	69.9	71.6	72.9	74.4	75.0	75.0	75.0	75.3	75.5	76.1	
1200	46.5	56.6	65.8	70.8	71.8	74.0	75.5	77.0	78.7	79.3	79.3	79.3	79.6	79.8	80.4	
1000	47.3	57.4	67.3	72.3	73.3	75.9	77.8	79.6	81.3	81.9	81.9	81.9	82.2	82.6	83.2	
900	47.3	57.3	67.3	73.1	74.2	76.6	78.5	80.4	82.1	82.6	82.6	82.6	83.0	83.4	83.9	
800	48.0	58.7	68.7	74.4	75.9	78.2	80.4	82.2	83.9	84.5	84.5	84.5	84.9	85.2	85.8	
700	48.0	58.7	69.3	75.0	76.4	79.1	81.1	83.2	85.2	85.8	85.8	85.8	86.2	86.5	87.1	
600	48.6	59.4	70.5	75.9	77.6	80.9	83.0	85.4	87.7	88.2	88.2	88.2	88.6	89.1	89.5	
500	48.6	59.4	70.8	76.3	78.1	81.9	84.7	87.3	90.0	91.0	91.0	91.0	91.6	92.0	92.5	
400	48.8	59.6	71.4	77.0	78.9	83.2	86.2	89.8	92.3	93.6	93.8	93.8	94.6	95.0	95.5	
300	48.8	59.6	71.8	77.8	79.6	83.9	87.1	90.7	93.3	94.8	95.0	95.1	95.9	96.3	96.8	
200	48.8	59.6	71.8	77.8	79.6	83.9	87.1	90.7	93.3	94.8	95.0	95.1	95.9	96.3	96.8	
100	48.8	59.6	71.8	77.8	79.6	83.9	87.1	90.7	93.3	94.8	95.0	95.1	95.9	96.3	96.8	
0	48.8	59.6	71.8	77.8	79.6	83.9	87.1	90.7	93.3	94.8	95.0	95.1	95.9	96.3	96.8	

TOTAL NUMBER OF OBSERVATIONS 535



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 STATION: BAWMHOLDER GERMANY AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

REF: 2-5-61

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1	≥1.4	≥1	≥.4	≥.4	≥.4	≥.4	≥.4	≥.4
NO CEILING		22.0	22.8	24.8	25.6	25.7	26.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IV 20000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 18000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 16000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 14000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 12000		30.4	31.1	33.7	34.8	35.0	35.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 10000		32.4	33.3	36.3	37.6	37.8	38.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 9000		33.3	34.1	37.0	38.2	38.5	39.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 8000		37.4	39.4	42.8	44.3	44.4	45.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 7000		38.3	40.6	44.4	46.1	46.5	47.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 6000		39.6	41.9	45.7	47.4	47.8	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000		41.3	43.7	47.6	49.4	49.8	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4500		41.3	43.7	47.6	49.4	49.8	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4000		42.8	45.4	49.3	51.1	51.5	52.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 3500		43.7	46.5	50.6	52.6	53.0	54.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 3000		51.7	54.6	60.0	62.0	62.4	63.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 2500		53.2	58.3	64.3	66.3	67.0	68.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 2000		56.7	60.0	66.9	69.1	70.0	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 1800		58.2	61.9	69.1	71.3	72.4	73.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1500		60.6	64.6	73.1	76.2	78.0	79.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1200		64.8	69.3	78.7	82.2	83.7	85.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1000		66.3	71.3	80.7	84.4	85.9	87.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 900		66.7	72.0	82.4	86.2	87.8	89.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 800		67.7	72.0	82.4	86.2	87.8	89.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 700		67.7	72.0	82.4	86.2	87.8	89.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 600		67.7	72.0	82.4	86.2	87.8	89.6	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 500		67.6	73.3	84.1	88.3	90.4	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 400		67.6	73.3	84.1	88.3	90.4	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 300		67.6	73.3	84.1	88.3	90.4	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 200		67.6	73.3	84.1	88.3	90.4	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 100		67.6	73.3	84.1	88.3	90.4	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 0		67.6	73.3	84.1	88.3	90.4	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9

TOTAL NUMBER OF OBSERVATIONS 540

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 RAJMHOLDER, GERMANY, AAF

6570

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .1	≥ 0
NO CEILING																
IV 20000		22.7	23.6	24.9	25.8	25.8	26.6	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
IV 18700		31.0	32.0	33.3	34.2	34.2	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 16000		31.0	32.0	33.3	34.2	34.2	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 14000		31.0	32.0	33.3	34.2	34.2	34.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 12000		32.3	33.3	34.6	35.5	35.5	36.2	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
IV 10000		34.8	35.7	37.0	37.9	37.9	38.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 9000		35.8	36.4	37.7	38.7	38.7	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 8000		38.3	39.4	40.7	41.6	41.6	43.1	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 7000		39.2	40.5	42.2	43.1	43.1	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 6000		40.3	41.6	43.3	44.2	44.2	45.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 5000		42.2	43.7	45.5	46.5	46.5	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 4500		43.1	44.6	47.0	48.0	48.0	49.4	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000		46.3	48.3	51.5	52.5	52.5	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 3500		48.3	51.7	55.0	56.1	56.1	57.6	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 3000		57.2	59.9	63.8	64.9	64.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 2500		65.4	68.6	72.7	73.8	73.8	76.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 2000		68.4	71.7	76.2	77.7	77.7	80.1	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 1800		70.6	74.5	79.6	81.0	81.0	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 1500		72.7	77.0	82.2	83.6	83.6	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 1200		73.5	79.9	86.1	87.5	87.5	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1000		76.4	81.4	87.9	89.8	89.8	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900		77.3	82.5	89.0	90.9	90.9	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 800		77.3	82.9	89.4	91.3	91.3	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 700		77.7	83.5	90.0	92.4	92.4	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 600		77.7	83.5	90.0	92.4	92.4	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 500		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 400		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 200		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 100		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 0		78.1	83.8	90.3	93.1	93.1	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 338

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

34077  
STATION

BAUMHOLDEK GERMANY AAF  
STATION NAME

65-70  
FAF

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

DATE: 10-17-61

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING																
IV 20000		24.2	25.0	27.4	27.7	27.7	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
IV 18000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 16000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 14000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 12000		34.1	35.0	38.0	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 10000		37.4	38.4	41.3	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 9000		38.9	39.9	42.8	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 8000		44.1	45.4	48.4	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 7000		45.8	47.5	50.7	51.2	51.2	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 6000		49.0	50.7	54.4	54.9	54.9	55.7	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 5000		51.6	53.6	57.5	58.1	58.1	58.6	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 4500		53.8	56.1	60.0	60.5	60.7	61.5	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4000		57.5	59.8	63.7	64.2	64.4	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 3500		58.7	61.5	65.7	66.5	66.7	67.6	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 3000		64.4	67.2	72.3	72.2	73.4	74.3	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500		68.7	71.7	76.7	77.8	78.2	79.1	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 2000		72.8	76.7	81.8	82.9	83.2	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 1800		76.0	80.1	85.7	86.8	87.2	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1500		76.9	81.5	87.2	88.3	88.6	90.1	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1200		77.5	82.5	88.3	89.9	90.3	91.8	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600		79.0	84.2	90.1	92.0	92.4	94.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0		80.3	85.5	91.4	93.9	94.6	96.8	98.1	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BALMHOLDER, GERMANY, AAF

65-66

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING		27.4	29.0	30.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 20000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 18000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 16000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 14000		41.9	43.5	46.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 12000		43.2	46.8	50.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 10000		43.2	46.8	50.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000		43.2	46.8	50.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 8000		46.8	48.4	51.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 7000		46.8	48.4	51.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 6000		51.6	54.8	59.7	64.5	64.5	64.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000		51.6	54.8	59.7	64.5	64.5	64.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500		54.8	58.1	62.9	67.7	67.7	67.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4000		54.8	58.1	62.9	67.7	67.7	67.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 3500		59.7	62.9	67.7	72.6	72.6	72.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 3000		59.7	62.9	67.7	72.6	72.6	72.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2500		62.9	66.1	71.0	76.8	76.8	76.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2000		62.9	66.1	71.0	76.8	76.8	76.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 1800		67.7	72.6	80.6	88.7	88.7	88.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500		67.7	72.6	80.6	88.7	88.7	88.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1200		67.7	72.6	82.3	90.3	90.3	90.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 1000		67.7	72.6	82.3	90.3	90.3	90.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 900		67.7	72.6	82.3	90.3	90.3	90.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 800		67.7	72.6	82.3	90.3	90.3	90.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 700		67.7	72.6	82.3	90.3	90.3	90.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600		67.7	72.6	82.3	90.3	90.3	90.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 500		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 300		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 200		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 100		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0		69.4	74.2	83.9	91.9	91.9	91.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 52

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34077 STATION RAMMOLDER GERMANY AAF STATION NAME

70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING IV 20000																	66.7
IV 18000																	66.7
IV 16000																	66.7
IV 14000																	66.7
IV 12000																	66.7
IV 10000																	66.7
IV 9000																	66.7
IV 8000																	66.7
IV 7000																	66.7
IV 6000																	66.7
IV 5000																	66.7
IV 4500																	66.7
IV 4000																	66.7
IV 3500																	66.7
IV 3000																	66.7
IV 2500																	66.7
IV 2000																	66.7
IV 1800																	66.7
IV 1500																	66.7
IV 1200																	66.7
IV 1000																	66.7
IV 900																	66.7
IV 800																	66.7
IV 700																	66.7
IV 600																	66.7
IV 500																	66.7
IV 400																	66.7
IV 300																	66.7
IV 200																	66.7
IV 100																	66.7
IV 0																	66.7

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDBERG GERMANY AAF

62970

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	>10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	
NO CEILING		21.5	28.7	30.9	32.6	32.6	34.8	35.9	37.0	39.3	40.9	40.9	40.9	41.4	41.4	42.4
IV 20000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 18000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 16000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 14000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 12000		22.1	29.8	32.6	35.4	35.9	38.1	39.2	40.3	44.8	45.9	45.9	45.9	46.4	46.4	47.5
IV 10000		23.2	30.9	34.3	37.6	38.1	40.9	42.0	43.1	48.1	49.2	49.2	49.2	49.7	49.7	50.7
IV 9000		23.8	31.5	34.6	38.7	39.2	42.0	43.1	44.2	49.2	50.3	50.3	50.3	50.8	50.8	51.9
IV 8000		25.0	33.7	38.1	42.0	42.5	45.9	47.3	48.6	54.1	55.2	55.2	55.2	55.8	55.8	56.9
IV 7000		27.1	34.8	39.8	44.2	44.8	49.2	50.8	51.9	58.0	59.1	59.1	59.1	59.7	59.7	60.8
IV 6000		27.6	35.4	40.3	44.2	45.9	50.3	51.9	53.0	59.1	60.2	60.2	60.2	60.8	60.8	61.9
IV 5000		30.4	38.7	42.6	47.5	49.7	54.1	55.8	56.9	63.5	64.6	64.6	64.6	65.2	65.2	66.3
IV 4500		30.4	38.7	44.2	48.1	50.3	54.7	56.4	57.5	64.1	65.2	65.2	65.2	65.7	65.7	66.9
IV 4000		30.9	39.2	44.8	49.2	51.9	56.4	58.0	59.7	66.3	67.4	67.4	67.4	68.0	68.0	69.1
IV 3500		30.9	39.2	45.3	49.7	52.5	56.9	59.1	60.2	66.9	68.0	68.0	68.0	68.6	68.6	69.7
IV 3000		31.5	39.8	45.9	50.3	53.0	57.5	59.7	60.8	68.0	69.1	69.1	69.1	69.7	69.7	70.8
IV 2500		32.0	40.3	46.4	50.8	53.6	58.0	60.2	61.3	68.6	69.7	69.7	69.7	70.3	70.3	71.4
IV 2000		33.1	42.0	48.6	52.6	56.4	61.3	63.5	65.2	72.4	74.0	74.0	74.0	74.6	74.6	75.7
IV 1800		33.1	42.0	49.2	54.1	56.9	61.9	64.1	65.7	72.9	74.6	74.6	74.6	75.1	75.1	76.2
IV 1500		33.7	42.6	49.7	54.7	57.5	62.4	64.6	66.3	74.0	75.7	75.7	75.7	76.2	76.2	77.3
IV 1200		34.3	43.1	50.3	55.8	58.6	63.5	65.7	67.4	75.1	76.8	76.8	76.8	77.3	77.3	78.4
IV 1000		34.8	44.2	51.4	57.5	60.2	65.7	68.0	69.7	77.3	79.0	79.0	79.0	79.6	79.6	80.7
IV 900		34.8	44.2	51.4	58.0	60.8	66.3	69.1	70.7	78.9	80.1	80.1	80.1	80.7	80.7	81.8
IV 800		34.8	44.2	51.9	58.6	61.3	68.0	70.2	71.8	80.1	82.3	82.3	82.3	82.9	82.9	84.0
IV 700		34.8	44.2	52.5	59.1	61.9	69.6	72.4	74.6	84.0	86.2	86.2	86.2	86.7	86.7	87.8
IV 600		34.8	44.8	53.0	59.7	62.0	70.7	73.9	76.2	86.2	88.4	88.4	88.4	89.0	89.0	90.1
IV 500		34.8	44.8	53.6	60.2	63.5	71.8	75.1	77.9	88.4	91.2	91.2	91.2	91.7	91.7	92.8
IV 400		35.4	45.3	54.1	60.8	64.1	72.4	75.7	79.0	89.5	92.3	92.3	92.3	92.8	92.8	93.9
IV 300		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	93.0	93.0	93.0	93.6	93.6	94.7
IV 200		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	93.0	93.0	93.0	93.6	93.6	94.7
IV 100		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	93.0	93.0	93.0	93.6	93.6	94.7
IV 0		35.4	45.9	54.7	61.3	64.6	72.9	76.2	79.6	91.2	93.0	93.0	93.0	93.6	93.6	94.7

TOTAL NUMBER OF OBSERVATIONS 181

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BAWHOLDER GERMANY AAF

6576

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥	≥5/16	≥.4	≥0
NO CEILING		22.6	26.1	29.4	31.9	33.1	35.4	36.9	37.2	38.1	38.3	38.2	38.3	38.7	38.7	38.7
≥ 20000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 18000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 16000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 14000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 12000		24.6	28.9	33.9	36.7	38.1	40.7	42.4	43.0	44.1	44.3	44.3	44.3	44.6	44.6	44.6
IV 10000		25.6	29.8	35.0	38.1	39.6	42.2	44.1	44.6	45.9	46.1	46.1	46.1	46.5	46.5	46.7
IV 9000		27.0	31.3	36.7	40.0	41.5	44.1	46.1	46.7	48.0	48.1	48.1	48.1	48.5	48.5	48.7
IV 8000		27.0	34.3	40.2	43.7	45.2	48.2	50.7	51.2	52.6	52.8	52.8	52.8	53.1	53.3	53.5
IV 7000		32.2	36.7	43.1	47.2	48.9	52.6	55.0	55.7	57.0	57.2	57.2	57.2	57.6	57.8	58.0
IV 6000		32.6	37.4	43.9	48.3	50.0	53.9	56.3	57.0	58.3	58.5	58.5	58.5	58.9	59.1	59.3
IV 5000		34.3	39.4	46.1	50.6	52.2	56.1	58.7	59.4	60.7	60.9	60.9	60.9	61.3	61.5	61.7
IV 4500		34.2	39.4	46.2	50.7	52.4	56.3	58.9	59.6	60.9	61.1	61.1	61.1	61.5	61.7	61.9
IV 4000		34.6	39.8	47.0	51.7	53.3	57.4	60.2	60.9	62.2	62.4	62.4	62.4	62.8	63.0	63.2
IV 3500		35.0	40.4	48.0	52.6	54.6	58.9	62.0	62.8	64.1	64.3	64.3	64.3	64.6	64.8	65.0
IV 3000		36.3	42.0	50.0	54.6	56.7	61.1	64.4	65.2	66.5	66.7	66.7	66.7	67.0	67.2	67.4
IV 2500		36.9	42.6	50.9	55.7	57.8	62.6	66.1	67.0	68.3	68.5	68.5	68.5	68.9	69.1	69.4
IV 2000		39.4	45.6	54.3	59.6	61.7	66.9	70.7	71.9	73.2	74.1	74.1	74.1	74.4	74.6	74.8
IV 1800		40.2	46.3	55.0	60.4	62.6	67.8	71.7	73.0	75.0	75.2	75.2	75.2	75.6	75.7	75.9
IV 1500		40.7	46.9	55.6	61.1	63.3	68.5	72.3	74.1	76.1	76.3	76.3	76.3	76.7	76.9	77.0
IV 1200		41.5	47.6	56.7	62.1	65.4	70.6	74.6	76.1	78.1	78.3	78.3	78.3	78.7	78.9	79.1
IV 1000		42.4	48.9	58.3	63.6	66.9	72.9	78.1	79.6	81.9	82.0	82.0	82.0	82.4	82.6	82.8
IV 900		43.3	50.2	60.0	67.6	70.6	76.3	80.7	82.2	84.4	84.6	84.6	84.6	85.0	85.2	85.4
IV 800		43.3	50.7	60.7	68.5	72.8	78.9	83.3	85.2	87.6	88.0	88.1	88.1	88.5	88.7	88.9
IV 700		43.5	50.7	60.9	68.7	73.1	79.2	84.1	85.9	88.9	89.3	89.4	89.4	89.8	90.0	90.2
IV 400		43.5	50.9	61.1	68.9	73.3	80.2	85.0	86.9	90.2	90.7	90.9	90.9	91.3	91.5	91.7
IV 500		43.5	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.4	93.7	93.7	96.1	96.3	96.5
IV 400		43.5	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.4	93.7	93.7	96.1	96.3	96.5
IV 300		43.5	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.4	93.7	93.7	96.1	96.3	96.5
IV 200		43.5	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.4	93.7	93.7	96.1	96.3	96.5
IV 100		43.5	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.4	93.7	93.7	96.1	96.3	96.5
IV 0		43.5	50.9	61.7	70.2	74.6	82.4	87.6	89.8	93.0	93.4	93.7	93.7	96.1	96.3	96.5

TOTAL NUMBER OF OBSERVATIONS

342

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/VAC

# CEILING VERSUS VISIBILITY

14077 STATION **RAMMOLDER GERMANY AAF**

65-71

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6
NO CEILING															
≥ 20000	22.8	24.6	28.1	29.8	30.2	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
IV 18000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 16000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 14000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 12000	27.8	30.4	35.0	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 10000	29.8	32.4	37.2	39.3	39.6	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 9000	30.2	32.8	37.6	40.2	40.6	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 8000	35.2	38.0	43.1	45.7	46.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 7000	38.9	42.4	47.6	50.2	50.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 6000	39.8	43.3	48.5	51.7	52.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 5000	41.5	45.0	50.2	53.3	53.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 4500	41.9	45.6	50.9	54.1	54.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 4000	42.0	46.3	52.0	55.4	55.7	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 3500	44.3	47.8	53.9	57.4	57.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3000	46.7	52.4	59.3	62.8	63.1	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 2500	51.8	55.2	63.5	67.4	67.8	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 2000	54.8	58.9	66.5	72.6	73.0	74.4	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 1800	56.3	60.4	70.0	74.1	74.4	76.3	76.9	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1500	58.0	62.4	72.4	76.5	77.2	79.3	79.8	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 1200	60.7	65.7	76.5	80.9	81.7	83.9	84.6	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 1000	61.7	66.9	78.0	82.8	83.7	86.1	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 900	62.6	68.3	79.6	84.6	85.1	88.7	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 800	62.6	68.3	80.2	85.2	86.7	90.2	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 700	62.6	68.3	80.4	85.4	86.9	90.9	93.1	93.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 600	62.6	68.7	80.7	86.3	87.8	91.9	94.1	94.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500	62.6	68.7	80.7	87.0	88.5	93.3	95.6	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 400	62.6	68.7	80.7	87.2	88.7	93.7	96.2	96.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 300	62.6	68.7	80.7	87.2	88.7	93.7	96.3	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200	62.6	68.7	80.7	87.2	88.7	93.7	96.3	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100	62.6	68.7	80.7	87.2	88.7	93.7	96.3	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0	62.6	68.7	80.7	87.2	88.7	93.7	96.3	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 540



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077  
STATION

BAUMHOLDER, GERMANY AAF  
STATION NAME

65m7c  
UNIT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1-4-54

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.0
NO CEILING		22.8	23.1	24.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
IV 20000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 18000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 16000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 14000		29.8	30.4	31.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 12000		30.0	30.6	31.5	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 10000		31.9	32.4	33.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 9000		32.8	33.3	34.3	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
IV 8000		36.7	37.6	38.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 7000		42.8	44.3	45.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 6000		45.4	47.0	49.1	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000		46.7	48.3	50.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 4500		47.8	49.4	51.5	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 4000		49.8	51.9	53.9	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 3500		53.7	56.3	58.7	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 3000		60.0	63.3	66.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 2500		65.9	69.3	74.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2000		69.6	73.7	78.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 1800		70.4	76.4	79.6	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 1500		73.0	77.4	82.0	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200		74.6	79.4	83.4	89.8	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1000		75.6	80.6	84.5	90.9	91.9	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 900		75.7	80.7	84.9	91.3	92.2	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 800		75.7	81.1	87.4	92.0	93.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 700		75.7	81.1	87.6	92.0	93.0	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600		75.7	81.3	87.8	92.4	93.3	94.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 500		75.7	81.7	88.3	93.1	94.1	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 400		75.7	81.7	88.3	93.1	94.1	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 300		75.7	81.7	88.3	93.1	94.1	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 200		75.7	81.7	88.3	93.1	94.1	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 100		75.7	81.7	88.3	93.1	94.1	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 0		75.7	81.7	88.3	93.1	94.1	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS

540

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/ IAC

# CEILING VERSUS VISIBILITY

34077 BACHMOLDER GERMANY AAF

63-72

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
IV 20000	30.0	31.3	32.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
IV 18000	36.7	38.5	39.0	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 16000	36.7	38.5	39.0	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 14000	36.7	38.7	39.8	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 12000	40.0	42.0	43.1	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 10000	41.3	42.5	44.6	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 9000	41.3	42.5	44.6	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 8000	47.6	49.4	50.6	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 7000	55.4	58.0	59.6	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 6000	57.2	60.9	62.6	65.7	65.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 5000	59.4	62.5	63.2	68.3	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 4500	61.5	65.7	67.4	70.6	70.9	72.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4000	63.4	70.2	71.9	73.0	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 3500	65.9	70.9	73.5	76.7	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	69.4	74.6	77.6	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2500	71.1	76.5	79.3	84.4	85.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 2000	72.6	78.3	81.3	86.3	87.0	87.4	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1800	73.0	78.7	81.9	87.2	88.0	88.2	89.1	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1500	73.0	80.9	84.3	89.6	90.4	90.7	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1200	73.7	81.9	85.2	91.7	92.0	92.4	93.3	93.5	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 900	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 800	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 700	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 400	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 300	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 200	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 100	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
0	76.1	82.6	86.1	92.4	93.1	93.5	94.4	94.6	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS 346

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BAWKHOLDER GERMANY AAF

65-66

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥	≥1	≥	≥1	≥	≥1	≥	≥1	≥0
NO CEILING IV 20000	31.7	36.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 18000	41.7	46.7	50.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 16000	41.7	46.7	50.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 14000	43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 12000	43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 10000	43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 9000	43.3	48.3	51.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 8000	45.0	50.0	55.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 7000	53.3	58.3	63.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000	55.0	61.7	66.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 5000	55.0	61.7	66.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 4500	56.7	63.3	68.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 4000	58.3	65.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3500	58.3	65.0	70.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 3000	60.0	66.7	71.7	80.0	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 2500	60.0	66.7	71.7	81.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 2000	60.0	66.7	71.7	83.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1800	60.0	66.7	71.7	83.3	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 1500	61.7	68.3	73.3	85.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1000	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 900	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 700	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 600	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 500	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 400	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 300	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 200	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 100	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 0	61.7	68.3	73.3	86.7	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

3A077 SAARMOLDER GERMANY AAF

7.

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

21-23

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING > 20000											50.0	50.0	50.0	50.0	50.0	50.0
IV 18000											50.0	50.0	50.0	50.0	50.0	50.0
IV 16000											50.0	50.0	50.0	50.0	50.0	50.0
IV 14000											50.0	50.0	50.0	50.0	50.0	50.0
IV 12000											50.0	50.0	50.0	50.0	50.0	50.0
IV 10000											50.0	50.0	50.0	50.0	50.0	50.0
IV 9000											50.0	50.0	50.0	50.0	50.0	50.0
IV 8000											50.0	50.0	50.0	50.0	50.0	50.0
IV 7000											50.0	50.0	50.0	50.0	50.0	50.0
IV 6000											50.0	50.0	50.0	50.0	50.0	50.0
IV 5000											50.0	50.0	50.0	50.0	50.0	50.0
IV 4500											50.0	50.0	50.0	50.0	50.0	50.0
IV 4000											50.0	50.0	50.0	50.0	50.0	50.0
IV 3500											50.0	50.0	50.0	50.0	50.0	50.0
IV 3000											50.0	50.0	50.0	50.0	50.0	50.0
IV 2500											50.0	50.0	50.0	50.0	50.0	50.0
IV 2000											50.0	50.0	50.0	50.0	50.0	50.0
IV 1800											50.0	50.0	50.0	50.0	50.0	50.0
IV 1500											50.0	50.0	50.0	50.0	50.0	50.0
IV 1200											50.0	50.0	50.0	50.0	50.0	50.0
IV 1000											50.0	50.0	50.0	50.0	50.0	50.0
IV 900											50.0	50.0	50.0	50.0	50.0	50.0
IV 800											50.0	50.0	50.0	50.0	50.0	50.0
IV 700											50.0	50.0	50.0	50.0	50.0	50.0
IV 600											50.0	50.0	50.0	50.0	50.0	50.0
IV 500											50.0	50.0	50.0	50.0	50.0	50.0
IV 400											50.0	50.0	50.0	50.0	50.0	50.0
IV 300											50.0	50.0	50.0	50.0	50.0	50.0
IV 200											50.0	50.0	50.0	50.0	50.0	50.0
IV 100											50.0	50.0	50.0	50.0	50.0	50.0
IV 0											50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

3A077 BAWHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATISTICS														
	≥ 10	26	25	24	23	22	21	20	19	18	17	16	15	14	
NO CEILING ≥ 20000	15.3	21.5	26.6	30.5	30.5	32.2	32.2	32.2	32.8	32.8	32.6	32.8	32.8	32.7	32.7
IV 18000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 16000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 12000	15.8	22.6	27.7	31.6	32.2	32.9	33.9	33.9	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 10000	18.6	25.4	31.6	35.6	36.2	37.9	37.9	37.9	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 9000	19.2	26.6	32.8	37.3	37.9	39.5	39.5	39.5	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 8000	22.0	30.5	37.3	41.8	42.4	44.1	44.1	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 7000	24.9	32.3	41.8	46.2	47.5	49.2	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 6000	26.0	34.5	42.9	48.0	49.2	51.4	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 5000	28.2	36.7	45.2	50.8	52.0	54.8	55.9	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 4500	28.8	37.3	45.9	52.5	53.1	55.9	57.1	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 4000	31.6	40.7	49.7	54.5	55.6	60.5	61.6	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 3500	31.6	40.7	49.7	56.5	57.6	60.5	62.1	62.1	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 3000	31.6	40.7	51.4	58.8	59.9	62.7	64.4	65.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 2500	32.2	41.8	52.5	60.5	62.7	65.9	67.5	68.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 2000	33.3	43.5	54.8	62.7	65.0	67.8	70.1	70.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1800	33.3	43.5	54.8	62.7	65.9	68.4	70.6	71.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 1500	33.9	44.1	55.4	63.2	66.1	68.9	71.8	72.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 1200	33.9	44.1	55.9	63.9	66.7	69.5	72.3	72.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 1000	35.6	46.3	58.2	66.7	69.5	72.3	75.1	75.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 900	35.6	46.3	58.8	67.3	70.6	73.4	76.2	76.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 800	36.2	46.9	59.4	68.9	71.8	74.6	78.9	79.5	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 700	36.2	46.9	59.9	69.9	71.8	74.6	78.9	79.5	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 600	36.7	47.5	60.5	70.1	72.9	75.7	79.7	79.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 500	36.7	47.5	60.5	71.2	74.0	76.8	80.8	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 400	36.7	47.5	61.0	72.3	75.1	78.2	82.5	84.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 300	37.3	48.0	61.6	72.9	75.7	79.1	83.1	84.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 200	37.3	48.0	61.6	72.9	75.7	79.1	83.6	85.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 100	37.3	48.0	61.6	72.9	75.7	79.1	83.6	85.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 0	37.3	48.0	61.6	72.9	75.7	79.1	83.6	85.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0

TOTAL NUMBER OF OBSERVATIONS 177

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34077 BAHMOLDOR GERMANY AAF

05773

PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.02	≥ 0.01
NO CEILING		22.6	26.7	30.3	33.1	33.5	34.7	35.4	35.4	35.6	35.6	35.8	35.8	35.8	36.0	36.2
≥ 20000		22.9	28.2	32.0	34.6	34.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
IV 18000		23.9	28.2	32.0	34.8	35.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
IV 16000		23.9	28.2	32.0	34.8	35.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
IV 14000		23.9	28.2	32.0	34.8	35.2	36.5	37.3	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7
IV 12000		24.2	28.6	32.4	35.2	35.6	36.9	37.7	37.7	37.9	37.9	38.0	38.0	38.0	38.0	38.0
IV 10000		25.4	29.8	33.9	36.7	37.1	38.4	39.2	39.2	39.4	39.4	39.5	39.5	39.5	39.5	39.5
IV 9000		26.4	31.2	35.4	38.2	38.6	39.9	40.7	40.7	40.9	40.9	41.1	41.1	41.1	41.1	41.1
IV 8000		29.6	35.6	40.7	43.5	44.1	45.4	46.1	46.1	46.3	46.3	46.5	46.5	46.5	46.5	46.5
IV 7000		31.8	38.4	44.1	47.1	47.7	49.0	49.7	49.7	50.0	50.0	50.2	50.2	50.2	50.2	50.2
IV 6000		33.3	41.1	46.7	50.1	51.4	52.3	54.0	54.2	54.6	54.6	55.0	55.0	55.0	55.0	55.0
IV 5000		35.0	43.3	49.0	52.9	54.2	56.1	56.9	57.1	57.4	57.4	57.8	57.8	57.8	57.8	57.8
IV 4500		35.6	43.9	49.7	53.9	55.2	57.1	58.0	58.2	58.6	58.6	58.9	58.9	58.9	58.9	58.9
IV 4000		39.2	47.8	54.0	58.2	59.5	61.8	62.7	63.1	63.5	63.5	63.8	63.8	63.8	63.8	63.8
IV 3500		39.5	48.4	54.6	58.9	60.6	62.5	63.5	63.8	64.2	64.2	64.4	64.4	64.4	64.4	64.4
IV 3000		42.6	51.4	58.8	62.1	64.8	66.9	68.0	68.4	68.9	68.9	69.1	69.3	69.3	69.3	69.3
IV 2500		43.7	52.9	60.6	65.7	67.6	69.7	71.2	71.9	72.7	72.7	72.9	73.1	73.1	73.1	73.1
IV 2000		44.4	53.7	62.3	68.0	70.1	72.1	73.6	74.4	75.1	75.1	75.3	75.5	75.5	75.5	75.5
IV 1800		44.6	53.9	62.7	68.4	70.4	72.3	74.0	74.8	75.5	75.5	75.7	75.9	75.9	75.9	75.9
IV 1500		46.3	55.7	64.8	70.8	73.1	75.1	76.6	77.4	78.2	78.2	78.5	78.7	78.7	78.7	78.7
IV 1200		48.4	57.8	67.6	73.6	76.1	78.2	79.7	80.6	81.3	81.3	81.7	81.9	81.9	81.9	81.9
IV 1000		48.5	58.1	68.7	73.7	76.2	78.2	80.8	82.7	83.6	84.6	84.7	84.9	84.9	84.9	84.9
IV 900		49.5	59.1	70.6	76.6	79.1	81.9	84.0	84.9	85.9	86.1	86.3	86.3	86.3	86.3	86.3
IV 800		50.3	59.9	71.4	77.0	80.2	83.4	85.5	86.4	87.4	87.4	87.8	87.9	87.9	87.9	87.9
IV 700		50.5	60.3	71.9	78.3	81.0	84.7	86.8	87.9	88.9	89.3	89.5	89.5	89.5	89.5	89.5
IV 600		51.2	61.0	72.9	79.5	82.5	86.3	88.4	89.3	90.3	91.1	91.3	91.3	91.3	91.3	91.3
IV 500		51.2	61.0	72.9	80.0	83.2	87.0	89.3	90.4	92.1	92.7	92.8	92.8	92.8	92.8	92.8
IV 400		51.4	61.4	73.3	80.6	83.8	87.8	90.2	91.3	93.6	94.7	94.9	94.9	94.9	94.9	94.9
IV 300		51.8	61.8	73.6	81.0	84.2	88.1	90.8	92.1	94.2	95.7	96.2	96.4	96.4	96.4	96.4
IV 200		51.8	61.8	73.6	81.0	84.2	88.1	90.8	91.0	92.3	94.3	96.0	96.5	97.2	97.6	97.7
IV 100		51.8	61.8	73.6	81.0	84.2	88.1	90.8	91.0	92.3	94.3	96.0	97.0	97.4	98.5	98.7
IV 0		51.8	61.8	73.6	81.0	84.2	88.1	90.8	91.0	92.3	94.3	96.0	97.0	97.4	98.5	98.7

TOTAL NUMBER OF OBSERVATIONS

521

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

16077 BAHMOLDER GERMANY AAF

65#7.

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATISTICS															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.3	30.1	33.3	34.1	34.1	34.1	34.1	34.3	34.3	34.3	34.5	34.5	34.5	34.5	34.5	34.5
≥ 20000	29.2	32.2	36.2	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3
IV 16000	29.2	32.2	36.2	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3
IV 14000	29.2	32.2	36.2	36.9	36.9	36.9	36.9	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3
IV 12000	29.8	32.8	36.7	37.5	37.5	37.5	37.5	37.7	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9
IV 10000	30.1	33.1	37.1	37.9	37.9	37.9	37.9	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2
IV 9000	30.5	33.7	37.9	38.6	38.6	38.6	38.6	38.8	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0
IV 8000	34.3	37.5	41.5	42.7	42.7	42.7	42.9	42.9	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3
IV 7000	36.5	39.7	44.2	45.6	45.6	45.6	45.8	45.8	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9
IV 6000	37.7	41.1	45.6	46.9	46.9	47.6	48.2	48.2	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6
IV 5000	38.8	42.7	47.5	49.0	49.0	49.7	50.2	50.2	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7
IV 4500	39.2	43.1	47.8	49.3	49.3	50.1	50.7	50.7	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0
IV 4000	40.9	44.6	49.7	51.2	51.2	52.2	52.9	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3
IV 3500	43.3	47.3	52.2	53.7	53.7	54.6	55.4	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7
IV 3000	48.4	52.5	57.6	59.1	59.1	60.1	60.8	60.8	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2
IV 2500	53.3	57.6	62.9	64.4	64.4	65.3	66.1	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
IV 2000	54.6	59.2	65.7	67.4	67.4	68.6	69.3	69.3	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9
IV 1800	56.9	61.8	68.3	70.4	70.4	71.4	72.3	72.3	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9
IV 1500	61.8	66.7	74.0	76.1	76.1	77.0	78.0	78.0	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5
IV 1200	64.4	69.3	78.2	80.4	80.4	81.5	82.9	82.9	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6
IV 1000	65.9	71.2	81.4	84.2	84.2	85.3	87.0	87.0	87.9	87.9	88.3	88.3	88.3	88.3	88.3	88.3
IV 900	66.9	72.1	82.9	85.7	85.7	87.2	88.7	88.7	89.6	89.6	90.4	90.4	90.4	90.4	90.4	90.4
IV 800	67.0	72.9	84.0	86.8	86.8	88.3	90.2	90.2	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	67.2	73.1	84.2	87.0	87.0	89.1	90.8	90.8	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9
IV 600	67.8	74.0	85.1	88.1	88.1	90.2	92.3	92.3	93.6	93.6	95.3	95.3	95.3	95.3	95.3	95.3
IV 500	67.8	74.0	85.1	88.1	88.1	90.2	92.3	92.3	93.6	93.6	95.3	95.3	95.3	95.3	95.3	95.3
IV 400	67.8	74.2	85.3	88.3	88.3	90.6	92.4	92.4	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5
IV 300	67.8	74.2	85.3	88.3	88.3	90.6	92.4	92.4	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5
IV 200	67.8	74.2	85.3	88.3	88.3	90.6	92.4	92.4	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5
IV 100	67.8	74.2	85.3	88.3	88.3	90.6	92.4	92.4	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5
U	67.8	74.2	85.3	88.3	88.3	90.6	92.4	92.4	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.5

TOTAL NUMBER OF OBSERVATIONS 531

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34077 BAWH WILDER GERMANY AAF

65m73

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

26 7 26

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING																
IV 20000	23.8	25.3	26.2	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
IV 18000	28.6	30.3	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 16000	28.6	30.3	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 14000	25.4	30.3	31.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 12000	28.9	30.8	32.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 10000	30.8	32.4	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 9000	31.0	32.0	33.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
IV 8000	33.7	36.2	37.7	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
IV 7000	37.7	40.2	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 6000	39.1	41.6	43.5	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
IV 5000	41.0	43.9	45.8	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
IV 4500	41.4	44.3	46.2	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
IV 4000	48.9	46.7	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 3500	49.5	52.5	54.6	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
IV 3000	58.4	61.3	63.6	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
IV 2500	64.0	67.0	69.7	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 2000	66.3	70.5	73.6	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1800	69.0	73.2	76.8	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 1500	73.3	75.2	82.4	82.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1200	75.6	81.4	86.2	87.5	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1000	76.6	81.4	86.8	88.7	89.2	90.0	90.8	90.8	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 900	77.6	82.4	87.7	90.0	91.2	92.1	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 800	77.6	82.4	87.7	90.0	91.2	92.1	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 700	77.6	82.4	87.7	90.0	91.2	92.1	92.9	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 600	78.4	83.1	88.7	92.0	93.1	93.6	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	78.4	83.1	88.7	92.1	93.7	93.6	96.9	96.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 400	78.4	83.1	88.7	92.1	93.7	93.6	97.2	97.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300	78.4	83.1	88.7	92.1	93.7	93.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200	78.4	83.1	88.7	92.1	93.7	93.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100	78.4	83.1	88.7	92.1	93.7	93.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0	78.4	83.1	88.7	92.1	93.7	93.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS 322



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AAC

# CEILING VERSUS VISIBILITY

36077 STATION BAUMHOLDEK GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING																
≥ 20000	30.1	30.8	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.6	32.6	32.6	32.6	32.6	32.6	32.6
IV 18000	35.1	36.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 16000	35.1	36.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 14000	35.1	36.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 12000	35.4	36.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 10000	38.9	40.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 9000	39.8	41.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 8000	43.4	46.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8
IV 7000	48.7	50.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 6000	51.5	53.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000	55.4	57.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4500	58.0	60.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4000	60.3	62.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 3500	68.1	67.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3000	70.7	72.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 2500	73.0	76.1	80.5	81.2	81.4	82.2	82.4	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2000	76.1	79.7	84.5	85.4	86.3	87.2	87.4	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	76.8	80.5	85.2	86.2	87.4	88.1	88.3	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	79.1	82.3	88.1	89.1	90.2	91.0	91.2	91.2	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1200	79.3	83.7	89.5	90.6	91.8	92.5	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1000	79.5	83.9	90.0	91.2	92.3	93.1	93.5	93.5	93.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 900	79.7	84.1	90.4	91.6	92.9	93.7	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	79.9	84.3	90.6	91.8	93.1	94.1	94.8	95.0	95.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	80.1	84.5	90.8	92.0	93.2	94.3	95.0	95.2	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 600	80.7	85.1	91.4	92.7	94.1	95.0	95.8	96.0	96.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500	80.7	85.1	91.4	92.9	94.3	95.6	96.4	96.6	96.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	80.7	85.1	91.4	92.9	94.3	95.6	96.4	96.6	96.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	80.7	85.1	91.4	92.9	94.4	95.8	96.7	96.9	96.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	80.7	85.1	91.4	92.9	94.4	95.8	96.7	96.9	96.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	80.7	85.1	91.4	92.9	94.4	95.8	96.7	96.9	96.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	80.7	85.1	91.4	92.9	94.4	95.8	96.7	96.9	96.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 322

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION RAUMHOLDER GERMANY AAF

6:1666

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

FORM 1-64

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32
NO CEILING															
≥ 20000		6.5	8.1	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
18000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
16000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
14000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
12000		12.9	14.5	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
10000		16.1	17.7	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	27.4
9000		17.7	19.4	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
8000		21.0	24.2	30.6	30.6	30.6	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
7000		24.2	27.4	35.5	35.5	35.5	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
5000		30.6	33.9	43.5	43.5	43.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
5000		33.9	37.1	46.8	46.8	46.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
4500		37.1	41.9	51.6	51.6	51.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
4000		42.9	50.0	59.7	61.3	61.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
3500		48.4	54.8	64.5	66.1	66.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
3000		50.0	56.5	67.7	69.4	69.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2500		53.2	64.5	75.8	77.4	77.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2000		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1800		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1500		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1200		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1000		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
900		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
800		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
700		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
600		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
500		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
400		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
300		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
200		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
100		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
0		56.5	69.4	80.6	82.2	82.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS 62

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 BAMMOLDER GERMANY AAF

68

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 BAUMHOLDER GERMANY AAF

65-7L

PERCENT OF FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

607-250

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2
NO CEILING																
IV 20000	16.0	18.2	22.7	24.8	27.9	27.6	26.5	26.5	27.1	27.6	29.8	30.4	31.5	32.0	32.0	32.7
IV 18000	17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.5
IV 16000	17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.5	37.5
IV 14000	17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.5	37.5
IV 12000	17.1	19.9	24.3	27.6	27.6	29.3	29.3	29.8	30.4	32.6	33.7	35.4	35.9	35.9	37.5	37.5
IV 10000	17.1	19.9	24.3	28.2	28.7	30.4	30.4	30.9	31.5	34.3	35.4	37.0	37.6	37.6	37.6	37.6
IV 7000	17.1	20.4	26.9	28.7	29.2	30.9	30.9	31.5	32.6	35.4	36.5	38.1	38.7	38.7	38.7	38.7
IV 8000	18.8	22.7	28.2	32.6	33.7	35.9	35.9	36.5	37.6	40.9	42.0	43.6	44.2	44.2	44.2	44.2
IV 7000	21.5	25.4	30.9	35.4	36.5	39.2	39.2	39.8	40.9	44.2	46.4	48.1	48.6	48.6	48.6	48.6
IV 6000	22.1	26.0	32.0	37.5	38.1	40.9	40.9	41.4	42.5	46.4	48.1	49.7	50.3	50.3	50.3	50.3
IV 5000	23.8	29.8	36.5	42.0	42.0	45.9	45.9	46.4	47.5	51.4	53.0	54.7	55.2	55.2	55.2	55.2
IV 4500	23.8	29.8	36.5	42.0	42.0	45.9	45.9	46.4	47.5	51.4	53.0	54.7	55.2	55.2	55.2	55.2
IV 4000	24.9	31.5	38.1	43.7	43.7	47.5	47.5	48.1	49.2	53.0	54.7	56.4	57.5	57.5	57.5	57.5
IV 3500	25.4	32.0	38.7	44.2	44.2	48.1	48.1	48.6	49.7	53.0	54.7	56.4	58.0	58.6	58.6	58.6
IV 3000	27.6	35.4	41.4	48.6	48.6	52.0	52.0	52.6	53.7	57.5	60.2	61.9	62.5	64.1	64.6	67.4
IV 2500	27.6	35.4	41.4	48.6	48.6	52.0	52.0	52.6	53.7	57.5	60.2	61.9	62.5	64.1	64.6	67.4
IV 2000	27.6	35.4	41.4	48.6	48.6	52.0	52.0	52.6	53.7	57.5	60.2	61.9	62.5	64.1	64.6	67.4
IV 1800	27.6	35.4	41.4	48.6	48.6	52.0	52.0	52.6	53.7	57.5	60.2	61.9	62.5	64.1	64.6	67.4
IV 1500	28.2	36.5	43.7	50.8	50.8	54.7	54.7	55.2	56.3	60.2	61.9	62.5	64.1	64.6	64.6	64.6
IV 1200	28.2	36.5	43.7	50.8	50.8	54.7	54.7	55.2	56.3	60.2	61.9	62.5	64.1	64.6	64.6	64.6
IV 1000	29.3	38.1	47.5	53.0	53.0	56.9	56.9	57.5	58.6	62.5	64.1	65.7	67.4	69.0	69.6	70.2
IV 900	29.3	38.1	47.5	53.0	53.0	56.9	56.9	57.5	58.6	62.5	64.1	65.7	67.4	69.0	69.6	70.2
IV 800	29.3	38.1	47.5	53.0	53.0	56.9	56.9	57.5	58.6	62.5	64.1	65.7	67.4	69.0	69.6	70.2
IV 700	29.3	38.1	47.5	53.0	53.0	56.9	56.9	57.5	58.6	62.5	64.1	65.7	67.4	69.0	69.6	70.2
IV 600	29.3	38.1	47.5	53.0	53.0	56.9	56.9	57.5	58.6	62.5	64.1	65.7	67.4	69.0	69.6	70.2
IV 500	30.4	39.2	50.8	56.9	56.9	60.2	60.2	60.8	61.9	65.7	67.4	69.0	70.2	71.8	72.4	72.9
IV 400	30.4	39.2	50.8	56.9	56.9	60.2	60.2	60.8	61.9	65.7	67.4	69.0	70.2	71.8	72.4	72.9
IV 300	30.4	39.2	50.8	56.9	56.9	60.2	60.2	60.8	61.9	65.7	67.4	69.0	70.2	71.8	72.4	72.9
IV 200	30.4	39.2	50.8	56.9	56.9	60.2	60.2	60.8	61.9	65.7	67.4	69.0	70.2	71.8	72.4	72.9
IV 100	30.4	39.2	50.8	56.9	56.9	60.2	60.2	60.8	61.9	65.7	67.4	69.0	70.2	71.8	72.4	72.9
IV 0	30.4	39.2	50.8	56.9	56.9	60.2	60.2	60.8	61.9	65.7	67.4	69.0	70.2	71.8	72.4	72.9

TOTAL NUMBER OF OBSERVATIONS 181

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

34077 STATION RAUMHOLDER, GERMANY, AAF

65870

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0
NO CEILING																
≥ 20000		20.9	22.9	26.3	28.3	29.1	30.9	32.4	32.0	34.5	35.0	35.0	35.0	35.0	35.2	35.7
IV 18000		22.7	25.5	29.4	32.4	33.1	35.0	36.5	37.1	38.9	39.5	39.5	39.5	39.7	39.7	39.7
IV 16000		22.7	25.5	29.4	32.4	33.1	35.0	36.5	37.1	38.9	39.5	39.5	39.5	39.7	39.7	39.7
IV 14000		22.9	25.7	29.6	32.6	33.3	35.2	36.7	37.2	39.1	39.7	39.7	39.7	39.9	39.9	40.0
IV 12000		22.9	25.7	29.6	32.6	33.3	35.2	36.7	37.2	39.1	39.7	39.7	39.7	39.9	39.9	40.0
IV 10000		24.0	27.0	31.1	34.1	34.8	36.7	38.2	38.7	40.6	41.2	41.2	41.2	41.3	41.3	41.5
IV 9000		24.4	27.7	32.0	35.0	35.8	37.8	39.3	39.9	41.7	42.3	42.5	42.5	42.6	42.6	42.9
IV 8000		27.0	31.1	36.1	39.3	40.6	42.8	44.3	45.4	48.2	48.8	49.0	49.0	49.2	49.2	49.3
IV 7000		28.5	32.8	38.0	41.2	42.8	45.0	47.5	48.6	51.6	52.1	52.3	52.3	52.5	52.7	53.1
IV 6000		29.2	33.5	39.1	42.3	43.9	46.7	48.6	49.7	52.7	53.3	53.4	53.4	53.6	53.6	54.2
IV 5000		31.5	36.7	43.4	46.7	48.4	51.2	53.1	54.4	57.5	58.5	58.7	58.7	59.0	59.4	59.4
IV 4500		31.8	37.1	43.8	47.3	49.0	51.8	53.6	54.9	58.3	59.2	59.4	59.4	59.6	59.6	60.1
IV 4000		32.0	39.7	46.4	49.9	51.6	54.4	56.2	57.5	60.9	61.8	62.0	62.0	62.2	62.4	62.4
IV 3500		33.5	40.2	47.3	50.8	52.7	55.5	57.3	58.8	62.2	63.1	63.3	63.3	63.5	63.7	64.1
IV 3000		34.6	41.9	49.7	53.2	55.1	58.1	60.1	61.6	65.2	66.1	66.3	66.3	66.5	66.7	67.2
IV 2500		35.2	42.5	50.3	54.0	55.9	59.4	61.3	62.9	66.5	67.4	67.6	67.6	67.8	68.0	68.5
IV 2000		35.4	42.8	50.7	54.6	56.4	60.1	62.4	63.9	67.6	68.5	68.5	68.5	68.7	68.9	69.5
IV 1800		35.8	43.2	51.0	54.9	56.8	60.5	62.8	64.2	67.8	68.7	68.9	68.9	69.1	69.3	69.7
IV 1500		37.2	45.1	52.9	57.5	59.4	63.1	65.4	66.9	70.6	71.5	71.7	71.7	71.9	72.1	72.4
IV 1200		38.0	46.0	54.0	59.0	60.9	65.4	67.6	69.1	73.0	73.9	74.1	74.1	74.3	74.5	75.0
IV 1000		38.7	46.9	55.5	60.5	62.6	67.4	69.8	71.5	75.4	76.4	76.5	76.5	76.7	76.9	77.5
IV 900		39.1	47.3	56.2	61.5	63.5	68.7	71.1	73.0	77.3	78.4	78.6	78.6	78.8	79.0	79.7
IV 800		39.3	47.5	56.8	62.2	64.2	70.0	72.6	74.5	79.0	79.9	80.1	80.1	80.3	80.4	81.2
IV 700		39.3	47.7	58.1	64.1	66.3	72.3	74.9	76.9	81.8	82.9	83.1	83.1	83.2	83.4	84.2
IV 600		40.2	48.8	59.6	65.7	68.2	74.7	77.5	79.5	84.7	86.0	86.3	86.2	86.4	86.5	87.3
IV 500		40.6	49.3	60.5	66.5	68.9	75.6	78.8	80.8	87.0	88.6	88.8	88.8	89.0	89.2	90.5
IV 400		40.8	49.5	60.7	67.0	69.5	76.4	80.1	82.3	90.3	93.1	93.7	93.9	94.4	94.6	96.1
IV 300		40.8	49.5	60.7	67.0	69.6	76.3	80.2	82.3	90.9	93.0	93.0	93.0	93.9	94.3	98.2
IV 200		40.8	49.5	60.7	67.0	69.6	76.3	80.2	82.3	90.9	93.0	93.0	93.0	93.9	94.3	98.2
IV 100		40.8	49.5	60.7	67.0	69.6	76.3	80.2	82.3	90.9	93.0	93.0	93.0	93.9	94.3	98.2
IV 0		40.8	49.5	60.7	67.0	69.6	76.3	80.2	82.3	90.9	93.0	93.0	93.0	93.9	94.3	98.2

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BAUMHOLDEK GERMANY AAF

65-7

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	
NO CEILING ≥ 20000		25.7	27.4	29.8	32.6	33.3	33.7	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 18000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 16000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 14000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 12000		30.4	32.4	35.8	38.7	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 10000		32.0	34.2	37.8	40.5	41.7	42.1	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 9000		33.7	35.8	39.7	42.6	43.6	43.9	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 8000		35.9	39.1	43.4	46.7	47.7	48.0	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 7000		39.1	41.5	45.8	49.2	50.1	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 6000		40.2	42.8	47.9	51.2	52.1	52.9	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 5000		41.7	44.7	50.1	53.4	54.4	55.1	55.7	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 4500		42.3	45.3	50.7	54.0	54.9	55.7	56.2	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 4000		42.8	46.4	52.3	55.9	56.8	57.9	58.5	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 3500		43.6	47.1	53.3	56.8	57.7	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 3000		45.8	50.1	57.2	60.9	61.8	63.1	63.7	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 2500		49.0	53.2	60.3	64.6	65.5	66.9	67.4	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 2000		50.7	55.3	63.5	67.6	68.5	69.8	70.4	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 1800		51.2	56.2	64.8	68.9	69.8	71.1	71.7	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 1500		52.6	59.2	68.9	72.7	74.7	75.4	77.1	77.8	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1200		57.0	62.9	73.0	76.6	79.7	81.4	82.1	82.9	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 1000		57.9	63.9	74.7	80.8	82.1	83.8	84.5	85.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 900		58.8	65.0	76.4	83.4	84.9	86.6	87.3	88.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 800		59.6	65.7	77.3	84.9	86.4	88.2	89.4	90.1	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 700		60.0	66.1	78.0	85.8	87.3	89.6	91.1	92.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 600		60.3	66.3	78.6	86.4	88.3	90.7	92.9	92.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500		60.7	66.8	79.0	87.0	88.8	91.6	93.9	94.8	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 400		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3
IV 200		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3
IV 100		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3
IV 0		60.7	66.9	79.0	87.0	88.8	92.0	94.6	95.7	98.3	98.9	99.1	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 337

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION: BAUMHOLDEK GERMANY AAF

65-7

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

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
NO CEILING														
≥ 20000	22.8	23.4	24.5	25.1	25.9	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2
IV 18000	27.4	28.2	29.7	30.3	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 16000	27.4	28.2	29.7	30.3	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4
IV 14000	27.8	28.5	30.1	30.7	31.4	31.6	31.6	31.8	31.8	31.8	31.8	31.8	31.8	31.8
IV 12000	28.7	29.5	31.0	31.6	32.4	32.6	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8
IV 10000	31.2	32.0	33.5	34.1	34.9	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2
IV 9000	33.1	34.1	36.0	36.6	37.4	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 8000	37.2	38.1	40.4	41.0	41.8	42.0	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 7000	40.8	42.1	44.8	45.4	46.2	46.6	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 6000	42.1	43.7	46.6	47.1	47.9	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 5000	44.1	45.6	48.5	49.0	50.0	50.3	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 4500	45.6	47.1	50.2	50.8	51.9	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 4000	47.5	49.4	53.6	54.2	55.4	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 3500	48.9	51.1	55.6	57.1	58.2	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 3000	51.9	53.5	58.5	60.2	61.7	62.7	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 2500	64.4	68.4	73.4	75.3	76.4	77.6	78.0	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 2000	66.7	71.3	76.6	79.5	80.7	81.8	82.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1800	70.3	75.5	82.2	85.1	86.2	87.4	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	74.1	79.5	86.8	90.0	91.2	92.3	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200	75.1	80.5	87.9	91.2	92.3	93.5	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1000	75.8	81.2	88.9	92.3	93.7	95.0	95.6	96.4	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	75.9	81.3	89.5	93.3	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 800	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 700	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 600	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 500	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 400	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 300	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 200	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV 100	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7
IV C	75.9	81.3	89.7	93.5	94.6	95.8	96.4	97.1	97.5	97.7	97.7	97.7	97.7	97.7

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14077 STATION BAUMHOLDER GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

14-170-

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.8	≥0.7	≥0.6	≥0.5	≥0.4	≥0
NO CEILING																
IV 20000	25.2	30.3	31.4	32.0	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
IV 18000	34.5	36.6	37.7	38.3	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000	34.5	36.6	37.7	38.3	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 14000	34.5	37.0	38.1	38.7	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 12000	35.8	37.9	39.1	39.7	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 10000	39.3	41.4	42.5	43.1	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 9000	40.4	42.7	44.3	44.8	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 8000	46.2	48.7	50.6	51.3	52.9	53.3	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 7000	51.5	55.0	57.3	58.0	59.6	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 6000	53.6	57.5	60.3	61.3	62.8	63.2	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 5000	55.6	59.4	63.0	64.0	65.5	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 4500	55.1	60.0	63.8	64.8	66.3	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 4000	58.4	62.8	67.0	68.2	69.7	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500	62.3	66.7	71.1	72.2	73.8	74.1	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	65.9	71.1	76.2	77.6	79.1	79.5	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 2500	68.4	73.6	78.9	80.3	81.8	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2000	69.7	75.1	80.5	81.8	83.3	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	71.5	76.9	82.0	83.5	85.0	85.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	74.5	80.1	87.0	88.9	90.4	91.2	91.6	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 1200	76.4	82.2	89.1	91.0	92.9	93.7	94.1	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 1000	76.6	82.4	89.5	91.4	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 900	76.6	82.4	89.5	91.4	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 800	76.6	82.4	89.5	91.4	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 700	76.6	82.4	89.5	91.4	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	76.6	82.4	89.5	91.4	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	76.6	82.4	89.5	91.4	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 400	76.6	82.4	89.5	91.4	93.3	94.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 300	76.8	82.6	90.2	92.1	94.1	95.0	97.1	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 200	76.8	82.6	90.2	92.1	94.1	95.0	97.1	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 100	76.8	82.6	90.2	92.1	94.1	95.0	97.1	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 0	76.8	82.6	90.2	92.1	94.1	95.0	97.1	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 522



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

QJ=66,65

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

FORM 3-64

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING																
IV 20000		20.6	23.5	29.4	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
IV 18000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 16000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 14000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 12000		27.9	30.9	36.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 10000		30.9	35.8	39.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 9000		32.2	39.2	44.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000		38.2	44.1	50.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 7000		50.0	57.4	64.7	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 6000		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 5000		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 4500		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 4000		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 3500		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 3000		52.9	60.3	67.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 2500		60.3	70.6	77.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 2000		60.3	70.6	77.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 1800		60.3	70.6	77.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 1500		60.3	70.6	77.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 1200		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1000		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 900		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 800		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 700		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 600		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 500		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 400		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 300		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 200		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 100		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 0		63.2	73.3	83.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2

TOTAL NUMBER OF OBSERVATIONS 08

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24077 STATION BAUMHOLDER GERMANY AAF STATION NAME

68 YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

21 MONTHS

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅔	≥16	≥1	≥0
NO CEILING ≥ 20000																	
IV 18000																	
IV 16000																	
IV 14000																	
IV 12000																	
IV 10000																	
IV 9000																	
IV 8000																	
IV 7000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 6000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 5000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 4000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 3000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 2000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1800		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1200		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 1000		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 900		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 800		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 700		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 600		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 500		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 400		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 300		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 200		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 100		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 0		50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF STATION NAME

68 YEARS

YEARS

257

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2000 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅕	≥⅙	≥0
NO CEILING ≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 6000		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 5000		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 4500		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 4000		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 3500		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 3000		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 2500		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 2000		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 1800		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 1500		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 1200		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 1000		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 900		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 800		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 700		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 600		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 500		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 400		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 300		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 200		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 100		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100
IV 0		100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100	0100

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

~~34077~~ STATION ~~BAMMHOLDER GERMANY AAF~~ STATION NAME

65770

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

DATE

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		5.3	8.2	13.5	17.6	17.6	19.4	20.6	22.9	27.6	27.6	29.4	30.6	31.2	31.8	35.3
IV 20000		5.3	9.4	14.7	19.4	20.0	22.4	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	39.4
IV 18000		5.3	9.4	14.7	19.4	20.0	22.4	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	39.4
IV 16000		5.3	9.4	14.7	19.4	20.0	22.4	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	39.4
IV 14000		5.3	9.4	14.7	19.4	20.0	22.4	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	39.4
IV 12000		5.3	9.4	14.7	19.4	20.0	22.4	22.4	23.5	25.9	30.6	30.6	32.4	33.5	34.1	39.4
IV 10000		5.3	9.4	14.7	19.4	20.0	22.4	22.4	23.5	25.9	30.6	31.2	32.9	34.1	34.7	41.0
IV 9000		5.3	9.4	14.7	19.4	20.0	22.4	22.4	23.5	25.9	30.6	31.2	32.9	34.1	34.7	41.0
IV 8000		5.3	10.0	15.9	21.2	21.8	25.2	26.5	28.8	34.1	35.9	37.6	38.8	39.4	41.2	45.9
IV 7000		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	37.6	40.0	41.8	42.9	43.5	45.3	50.0
IV 6000		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	37.6	40.0	42.4	43.5	44.1	45.9	50.6
IV 5000		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	37.6	41.2	42.9	44.1	44.7	46.5	51.2
IV 4500		5.3	10.0	16.5	22.4	23.5	27.1	28.2	31.2	37.6	41.2	42.9	44.1	44.7	46.5	51.2
IV 4000		5.9	11.8	18.8	25.2	26.2	30.0	31.2	34.1	41.2	44.1	45.9	47.1	47.6	49.4	54.1
IV 3500		5.9	11.8	18.8	25.9	27.1	30.6	32.4	35.3	42.4	45.3	47.1	48.2	48.8	50.6	55.3
IV 3000		5.9	11.8	19.4	26.5	27.6	31.2	32.5	36.8	43.5	48.8	50.6	51.8	52.4	54.1	58.8
IV 2500		5.9	11.8	20.0	27.1	28.2	31.8	34.1	37.1	45.9	49.4	51.2	52.4	52.9	54.7	59.4
IV 2000		5.9	12.4	20.6	27.6	28.3	32.9	33.3	38.3	47.1	50.6	52.4	53.5	54.1	55.9	60.6
IV 1800		5.9	12.4	20.6	27.6	28.8	32.9	33.3	38.3	47.1	50.6	52.4	53.5	54.1	55.9	60.6
IV 1500		6.5	12.9	21.2	28.2	29.4	34.1	34.5	39.4	48.8	52.4	54.1	55.3	55.9	57.6	62.4
IV 1200		7.1	13.5	22.9	30.0	31.2	35.9	36.2	41.2	50.6	53.5	55.3	56.8	57.4	61.2	65.9
IV 1000		7.6	14.1	24.1	31.2	32.4	37.1	37.4	42.4	54.7	58.8	60.5	61.8	62.4	64.1	68.8
IV 900		7.6	14.7	24.7	31.8	32.9	37.6	40.0	42.9	55.3	59.4	61.2	62.4	62.9	64.7	69.4
IV 800		7.6	14.7	24.7	31.8	32.9	37.6	40.0	42.9	55.3	59.4	61.2	62.4	62.9	64.7	69.4
IV 700		8.2	15.2	25.9	33.5	34.7	42.4	45.3	48.8	61.8	65.9	67.5	68.5	69.4	71.2	75.9
IV 600		8.2	15.2	25.9	33.5	34.7	42.4	45.3	48.8	61.8	65.9	67.5	68.5	69.4	71.2	75.9
IV 500		8.2	15.2	25.9	34.1	35.3	43.5	46.4	50.6	63.5	67.6	72.4	74.7	75.9	78.2	82.9
IV 400		8.2	15.2	26.5	34.7	35.9	44.1	47.0	51.2	64.1	68.2	73.2	77.6	78.8	81.2	85.9
IV 300		8.2	15.2	26.5	34.7	35.9	44.1	47.0	51.2	64.1	68.2	73.2	77.6	78.8	81.2	85.9
IV 200		8.2	15.2	26.5	34.7	35.9	44.1	47.0	51.2	64.1	68.2	73.2	77.6	78.8	81.2	85.9
IV 100		8.2	15.2	26.5	34.7	35.9	44.1	47.0	51.2	64.1	68.2	73.2	77.6	78.8	81.2	85.9
IV 0		8.2	15.2	26.5	34.7	35.9	44.1	47.0	51.2	64.1	68.2	73.2	77.6	78.8	81.2	85.9

TOTAL NUMBER OF OBSERVATIONS 172

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# CEILING VERSUS VISIBILITY

34077 BAJHOLDER GERMANY AAF  
STATION STATION NAME

62 70  
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1-60-10

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING		8.8	11.9	16.1	18.9	21.6	23.3	24.7	25.7	28.4	29.2	29.6	30.8	30.7	31.3	35.1
≥ 20000		9.7	13.0	18.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.3
IV ≥ 18000		9.7	13.0	18.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.3
IV 16000		9.7	13.0	18.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.3
IV 14000		9.7	13.0	18.1	21.6	24.3	26.1	27.4	28.4	31.5	32.7	33.1	34.0	34.2	34.6	39.3
IV 12000		9.9	13.2	18.3	21.8	24.5	26.3	27.6	28.6	31.7	32.9	33.3	34.2	34.6	35.4	39.5
IV 10000		10.5	13.8	18.9	22.6	25.7	27.4	28.8	29.8	33.3	34.4	34.8	35.8	36.0	36.6	41.1
IV 9000		10.7	14.0	19.1	22.8	25.9	27.6	29.2	30.2	33.9	35.2	35.6	37.0	37.2	37.7	42.2
IV 8000		11.5	15.4	20.6	24.7	28.4	30.5	31.9	33.1	37.0	38.7	39.3	40.5	40.5	41.4	45.9
IV 7000		12.6	16.3	21.6	26.1	29.8	32.7	34.8	36.6	41.2	43.0	43.6	44.7	45.1	45.7	52.2
IV 6000		12.6	16.3	21.6	26.1	30.4	33.3	35.6	37.4	42.4	44.4	44.9	46.1	46.5	47.1	51.6
IV 5000		13.0	17.1	22.4	27.6	31.3	34.2	36.6	38.3	43.8	45.7	46.3	47.5	47.9	48.4	52.2
IV 4500		13.2	17.7	23.2	28.6	32.3	35.2	37.5	39.3	44.7	46.7	47.3	48.4	48.8	49.4	53.9
IV 4000		13.6	18.3	23.7	29.6	33.1	36.2	38.5	40.3	45.7	47.7	48.3	49.4	49.8	50.4	54.9
IV 3500		14.0	18.7	24.1	30.2	34.0	37.2	39.5	41.2	46.7	48.6	49.4	50.6	51.0	51.3	56.2
IV 3000		14.4	19.1	25.1	31.7	35.8	39.9	42.0	43.8	49.6	51.4	52.1	53.3	53.7	54.5	58.9
IV 2500		14.6	19.3	25.3	31.9	36.0	39.9	42.4	44.2	49.8	51.6	52.3	53.7	54.1	54.9	59.3
IV 2000		14.8	19.6	26.1	32.9	37.0	41.1	43.6	45.3	51.6	53.3	54.3	55.4	56.0	56.8	61.5
IV 1800		15.0	20.0	26.5	33.2	37.4	41.8	44.4	46.1	52.3	54.3	55.1	56.2	56.8	57.6	62.3
IV 1500		15.8	20.8	28.2	33.2	39.3	44.2	47.3	49.4	55.2	57.2	58.2	59.2	60.1	60.7	65.1
IV 1200		16.7	22.0	29.6	36.8	41.2	46.1	49.2	51.8	58.0	60.7	61.3	62.6	63.2	64.0	69.7
IV 1000		17.5	23.0	30.9	38.1	42.6	48.1	51.2	53.7	60.3	63.6	64.4	65.6	66.1	66.9	71.6
IV 900		17.7	23.3	31.9	39.3	43.8	49.4	52.7	55.3	62.3	65.6	66.4	67.6	67.7	68.5	73.2
IV 800		18.9	24.9	33.3	41.9	46.3	52.2	55.6	58.3	65.4	68.7	69.9	70.0	70.6	71.4	76.1
IV 700		19.1	25.3	33.9	42.2	47.3	53.5	56.8	59.3	66.9	70.6	71.4	72.6	73.3	73.3	78.0
IV 600		19.1	25.3	33.9	42.2	47.3	53.5	56.8	59.3	66.9	70.6	71.4	72.6	73.3	73.3	78.0
IV 500		19.5	25.7	35.2	43.8	49.6	56.6	60.9	64.9	72.1	76.0	76.8	78.0	80.0	80.9	86.4
IV 400		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	77.1	77.9	79.1	81.1	82.7	88.9
IV 300		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	77.1	77.9	79.1	81.1	82.7	88.9
IV 200		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	77.1	77.9	79.1	81.1	82.7	88.9
IV 100		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	77.1	77.9	79.1	81.1	82.7	88.9
IV 0		19.6	25.9	35.4	44.0	49.6	57.0	61.9	65.4	73.2	77.1	77.9	79.1	81.1	82.7	88.9

TOTAL NUMBER OF OBSERVATIONS 514

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AFB STATION NAME

6570 YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

7122

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0	≥0	
NO CEILING		19.2	22.9	29.1	32.6	34.9	35.9	36.8	37.2	37.4	37.6	37.6	37.6	37.6	37.8	37.8	37.4
≥ 20000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.6	42.6	42.6	42.6
IVM 18000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.6	42.6	42.6	42.6
IVM 16000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.6	42.6	42.6	42.6
IVM 14000		21.9	25.6	32.6	36.0	38.8	39.9	41.1	41.9	42.2	42.4	42.4	42.4	42.6	42.6	42.6	42.6
IVM 12000		22.8	26.2	33.1	36.6	39.2	40.3	41.7	42.4	42.8	43.0	43.0	43.0	43.2	43.2	43.2	43.2
IVM 10000		23.1	27.1	34.1	37.6	40.3	41.3	42.8	43.8	44.4	44.6	44.6	44.6	44.8	44.8	44.8	44.8
IVM 9000		23.1	27.1	34.1	37.6	40.3	41.3	42.8	43.8	44.4	44.6	44.6	44.6	44.8	44.8	44.8	44.8
IVM 8000		25.2	29.8	37.4	41.3	44.2	45.7	47.1	48.1	48.6	48.8	48.8	48.8	49.0	49.0	49.0	49.0
IVM 7000		26.0	30.8	38.8	43.2	46.1	48.1	49.5	51.0	51.6	51.7	51.7	51.7	51.9	51.9	51.9	51.9
IVM 6000		26.9	31.8	39.7	44.6	47.7	49.6	51.4	52.8	53.1	53.3	53.3	53.3	53.5	53.5	53.5	53.5
IVM 5000		28.1	32.9	41.1	45.9	49.0	51.0	52.9	54.2	54.8	55.0	55.0	55.0	55.2	55.2	55.2	55.2
IVM 4500		28.8	33.1	41.3	46.3	49.4	51.4	53.9	54.7	55.2	55.4	55.4	55.4	55.6	55.6	55.6	55.6
IVM 4000		29.1	33.7	42.0	48.1	51.2	52.3	54.4	54.8	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6
IVM 3500		30.2	35.9	45.0	50.2	53.3	55.4	57.6	58.9	59.5	59.9	59.9	59.9	60.1	60.1	60.1	60.1
IVM 3000		32.4	38.2	47.7	53.1	56.2	58.3	60.9	61.2	62.8	63.2	63.2	63.2	63.4	63.4	63.4	63.4
IVM 2500		33.1	39.1	48.8	54.3	57.4	59.7	62.0	62.4	64.0	64.3	64.3	64.3	64.5	64.5	64.5	64.5
IVM 2000		34.3	41.1	51.2	56.8	60.1	62.8	64.9	65.2	66.9	67.2	67.2	67.2	67.4	67.4	67.4	67.4
IVM 1800		35.9	43.4	52.9	58.5	62.0	63.9	67.8	68.2	69.8	70.2	70.2	70.2	70.3	70.3	70.3	70.3
IVM 1500		38.8	44.1	57.0	63.0	66.2	70.2	72.9	73.8	74.4	74.4	74.4	74.4	74.8	75.0	75.0	75.0
IVM 1200		40.9	48.6	60.1	66.1	69.6	73.4	75.8	77.1	77.7	78.3	78.3	78.3	78.5	78.5	78.5	78.5
IVM 1000		41.9	50.0	62.0	68.8	72.7	76.6	78.9	80.0	81.6	82.4	82.4	82.4	82.6	82.6	82.6	82.6
IVM 900		42.4	50.8	63.0	69.8	73.6	77.5	79.8	81.4	82.4	83.3	83.3	83.3	83.7	83.7	83.7	83.7
IVM 800		42.8	51.7	64.9	71.9	74.0	80.6	82.1	84.7	86.0	87.0	87.0	87.0	87.2	87.2	87.2	87.2
IVM 700		42.8	51.7	64.9	71.9	74.0	80.6	82.1	84.7	86.0	87.0	87.0	87.0	87.2	87.2	87.2	87.2
IVM 600		42.8	51.7	64.9	71.9	74.0	80.6	82.1	84.7	86.0	87.0	87.0	87.0	87.2	87.2	87.2	87.2
IVM 500		43.2	52.1	65.3	73.3	77.8	82.3	87.2	90.1	91.9	93.4	93.4	93.4	94.0	94.2	94.2	94.2
IVM 400		43.2	52.1	65.3	73.3	77.8	82.3	87.2	90.1	91.9	93.4	93.4	93.4	94.0	94.2	94.2	94.2
IVM 300		43.2	52.1	65.3	73.3	77.8	82.3	87.2	90.1	91.9	93.4	93.4	93.4	94.0	94.2	94.2	94.2
IVM 200		43.2	52.1	65.3	73.3	77.8	82.3	87.2	90.1	91.9	93.4	93.4	93.4	94.0	94.2	94.2	94.2
IVM 100		43.2	52.1	65.3	73.3	77.8	82.3	87.2	90.1	91.9	93.4	93.4	93.4	94.0	94.2	94.2	94.2
IVM 0		43.2	52.1	65.3	73.3	77.8	82.3	87.2	90.1	91.9	93.4	93.4	93.4	94.0	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 SAUMHOLZGER GERMANY AAF

67=70

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

122=1402

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.10	≥0	≥0
NO CEILING		27.6	29.0	35.9	38.1	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 20000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 18000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 16000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 14000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 12000		31.4	32.7	40.6	42.8	44.8	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 10000		32.9	33.9	41.8	44.0	46.0	46.4	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 9000		32.9	33.9	41.8	44.0	46.0	46.4	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000		36.9	38.1	46.5	49.3	51.5	51.9	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 7000		37.7	39.6	48.3	51.1	53.5	53.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000		38.7	40.6	49.9	52.7	55.0	55.4	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 5000		39.6	41.8	51.1	53.8	56.4	57.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 4500		40.0	42.2	51.7	54.8	57.4	58.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 4000		41.6	43.8	53.5	56.8	59.4	60.0	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 3500		43.8	46.0	56.2	59.6	62.1	62.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3000		46.9	49.3	60.6	64.1	66.9	67.3	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 2500		52.9	55.4	66.9	70.4	73.2	74.2	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 2000		55.0	58.2	69.6	73.6	76.5	77.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 1800		57.6	60.7	72.2	76.3	79.3	80.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 1500		60.0	63.9	75.1	79.3	82.2	83.2	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 1200		61.3	65.7	78.7	83.2	86.0	87.4	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 1000		61.9	66.7	79.9	84.8	87.6	89.0	90.9	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 900		62.5	67.3	80.9	85.8	89.0	90.9	92.9	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 800		62.1	67.3	81.5	86.4	90.1	92.2	94.3	94.3	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 700		63.1	68.0	81.9	87.0	90.5	92.7	94.9	94.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 600		63.1	68.0	82.1	87.2	90.7	92.9	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 500		63.1	68.0	82.1	87.2	90.7	92.9	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 400		63.1	68.0	82.1	87.2	90.7	92.9	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 300		63.1	68.0	82.1	87.2	90.7	92.9	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 200		63.1	68.0	82.1	87.2	90.7	92.9	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 100		63.1	68.0	82.1	87.2	90.7	92.9	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 0		63.1	68.0	82.1	87.2	90.7	92.9	95.1	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 307

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 STATION BAUMHOLTER GERMANY AAF

68-70 YEARS

WORLD

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

12 MONTHS 1722

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING																
IV 20000		30.0	32.5	38.7	40.6	41.0	42.0	42.2	42.7	42.4	42.4	42.4	42.4	42.4	42.4	42.4
IV 18000		35.8	35.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 16000		36.2	39.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000		36.5	39.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 12000		36.5	39.3	45.6	48.7	49.3	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 10000		38.1	41.0	47.3	50.5	51.1	52.7	53.1	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 9000		40.0	43.0	49.3	52.5	53.1	54.6	55.0	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000		43.4	46.5	52.8	57.0	57.6	59.2	59.6	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 7000		46.7	49.9	57.2	60.4	60.9	62.5	62.9	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 6000		48.9	52.3	60.0	63.2	63.9	65.5	65.9	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 5000		49.9	53.8	62.1	65.5	66.2	67.9	68.2	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 4500		51.3	55.4	64.1	67.7	68.4	70.0	70.4	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 4000		52.9	57.4	66.1	69.6	70.6	72.2	72.6	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3500		55.0	59.3	68.4	72.0	73.0	74.6	75.0	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 3000		56.2	61.1	70.0	74.0	75.0	76.6	76.9	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 2500		58.2	63.7	72.6	76.5	77.9	79.5	79.9	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 2000		60.7	66.1	75.3	79.9	81.3	82.8	83.2	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 1800		62.1	67.3	76.9	81.3	82.4	84.2	84.6	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1500		63.1	68.6	78.3	82.6	84.0	85.5	86.0	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200		63.7	69.6	79.3	83.6	85.0	86.6	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 1000		64.9	70.6	80.3	84.8	86.2	88.0	88.2	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 900		65.5	71.2	81.1	85.8	87.2	89.0	90.1	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800		65.7	71.8	81.7	86.6	88.0	90.2	91.3	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 700		65.9	72.0	81.9	87.0	88.4	90.9	92.1	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 600		66.1	72.2	82.2	87.4	88.8	91.2	92.3	93.7	93.1	93.7	93.7	93.7	93.7	93.7	93.7
IV 500		66.1	72.4	82.8	88.0	89.2	91.9	93.1	94.7	96.6	97.4	97.4	97.4	97.4	97.4	97.4
IV 400		66.1	72.4	82.8	88.0	89.2	91.9	93.1	94.7	96.6	97.4	97.4	97.4	97.4	97.4	97.4
IV 300		66.1	72.4	82.8	88.0	89.2	91.9	93.1	94.7	96.6	97.4	97.4	97.4	97.4	97.4	97.4
IV 200		66.1	72.4	82.8	88.0	89.2	91.9	93.1	94.7	96.6	97.4	97.4	97.4	97.4	97.4	97.4
IV 100		66.1	72.4	82.8	88.0	89.2	91.9	93.1	94.7	96.6	97.4	97.4	97.4	97.4	97.4	97.4
IV 0		66.1	72.4	82.8	88.0	89.2	91.9	93.1	94.7	96.6	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 507



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65-66  
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1000-2000  
PERIOD

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING																
≥ 20000		11.7	20.0	25.0	43.3	43.3	45.0	46.7	46.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000		16.7	25.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 16000		16.7	25.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 14000		16.7	25.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 12000		16.7	25.0	31.7	30.0	30.0	33.3	33.0	33.0	61.7	63.3	63.3	63.3	63.3	63.3	63.3
IV 10000		18.3	26.7	33.3	31.7	31.7	33.0	36.7	36.7	63.3	65.0	65.0	65.0	65.0	65.0	65.0
IV 9000		18.3	26.7	33.3	31.7	31.7	33.0	36.7	36.7	63.3	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000		18.3	26.7	33.3	31.7	31.7	33.0	36.7	36.7	63.3	65.0	65.0	65.0	65.0	65.0	65.0
IV 7000		20.0	28.3	35.0	35.0	35.0	38.3	40.0	40.0	66.7	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000		21.7	30.0	36.7	36.7	36.7	40.0	41.7	41.7	68.3	70.0	70.0	70.0	70.0	70.0	70.0
IV 5000		25.0	33.3	40.0	40.0	40.0	43.3	45.0	45.0	70.0	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500		25.0	33.3	40.0	40.0	40.0	43.3	45.0	45.0	70.0	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000		25.0	33.3	40.0	40.0	40.0	43.3	45.0	45.0	70.0	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500		25.0	33.3	40.0	40.0	40.0	43.3	45.0	45.0	70.0	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000		25.0	33.3	40.0	40.0	40.0	43.3	45.0	45.0	70.0	71.7	71.7	71.7	71.7	71.7	71.7
IV 2500		25.0	40.0	46.7	46.7	46.7	50.0	50.0	50.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000		25.0	40.0	46.7	46.7	46.7	50.0	50.0	50.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1800		25.0	40.0	46.7	46.7	46.7	50.0	50.0	50.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500		25.0	40.0	46.7	46.7	46.7	50.0	50.0	50.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1200		25.0	40.0	46.7	46.7	46.7	50.0	50.0	50.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1000		25.0	40.0	46.7	46.7	46.7	50.0	50.0	50.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 900		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 800		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 700		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 600		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 500		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 400		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 300		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 200		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 100		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 0		25.0	41.7	48.3	48.3	48.3	51.7	51.7	51.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3

TOTAL NUMBER OF OBSERVATIONS 60

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 STATION BAUMHÖLDER GERMANY AAF STATION NAME

65-70 YEAR

61 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2300-0500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING																
IV 20000		1.7	2.9	6.9	8.6	9.1	12.0	13.7	14.3	13.3	20.6	20.6	21.1	21.7	23.4	26.9
IV 18000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 16000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 14000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 12000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 10000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 9000		2.3	3.4	8.0	9.7	10.3	13.1	14.9	15.4	19.4	21.7	21.7	22.3	22.9	24.6	28.6
IV 8000		2.3	4.0	9.1	11.4	12.0	14.9	16.6	17.1	22.3	24.6	24.6	25.1	25.7	27.4	32.0
IV 7000		2.9	4.6	9.7	13.7	14.9	17.7	20.6	21.1	26.9	29.1	29.1	29.7	30.3	32.0	36.6
IV 6000		3.4	5.1	10.3	14.3	15.4	18.3	21.1	21.7	27.4	29.7	29.7	30.3	31.4	33.1	37.7
IV 5000		3.4	5.1	10.3	14.3	16.0	18.9	21.7	22.3	28.0	30.3	30.3	30.9	32.0	33.7	38.3
IV 4500		3.4	5.1	10.3	14.3	16.0	18.9	21.7	22.3	28.0	30.3	30.3	30.9	32.0	33.7	38.3
IV 4000		4.0	5.7	11.4	16.0	17.7	20.6	23.4	24.0	29.7	32.0	32.0	32.1	34.3	36.0	40.6
IV 3500		4.0	6.3	12.0	16.6	18.3	21.1	24.0	24.0	31.4	33.7	33.7	34.9	36.0	37.7	42.3
IV 3000		4.6	6.9	14.3	19.4	21.1	24.0	28.0	28.0	36.0	38.3	38.3	39.4	40.6	42.3	46.9
IV 2500		4.6	6.9	16.9	20.6	22.3	25.1	29.1	29.7	37.7	40.0	40.0	41.1	42.3	44.0	48.6
IV 2000		4.6	7.4	15.4	21.1	22.9	25.7	30.3	30.9	40.0	42.9	42.9	44.0	45.1	46.9	51.4
IV 1800		4.6	7.4	15.4	21.1	22.9	25.7	30.3	30.9	40.0	42.9	42.9	44.0	45.1	46.9	51.4
IV 1500		5.1	8.6	17.1	23.4	25.1	29.1	33.7	34.3	44.6	47.4	47.4	48.6	49.7	51.4	56.0
IV 1200		5.7	9.1	17.7	24.0	25.7	30.9	35.4	36.0	46.3	49.7	49.7	50.9	52.0	53.7	58.3
IV 1000		5.7	9.1	18.3	24.6	26.3	32.0	37.1	38.3	49.1	52.0	52.0	53.7	54.9	56.6	61.1
IV 900		5.7	9.1	18.3	24.6	26.3	32.0	37.1	38.3	49.1	52.0	52.0	53.7	54.9	56.6	61.1
IV 800		6.3	9.7	19.4	25.7	27.4	33.7	40.0	41.1	52.0	55.4	55.4	57.7	58.9	60.6	65.1
IV 700		6.3	9.7	20.6	26.9	28.0	34.9	41.1	42.9	55.4	58.9	58.9	60.0	61.1	62.9	67.4
IV 600		6.3	9.7	20.6	26.9	28.0	34.9	41.1	42.9	57.1	60.6	60.6	61.7	63.4	65.1	69.7
IV 500		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	60.0	63.4	63.4	64.6	66.3	68.0	72.6
IV 400		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.1	65.1	66.3	68.0	69.7	74.3
IV 300		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.1	65.1	66.3	68.0	69.7	74.3
IV 200		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.1	65.1	66.3	68.0	69.7	74.3
IV 100		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.1	65.1	66.3	68.0	69.7	74.3
IV 0		6.3	9.7	21.1	27.4	29.1	35.4	41.7	43.4	61.7	65.1	65.1	66.3	68.0	69.7	74.3

TOTAL NUMBER OF OBSERVATIONS 175

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF STATION NAME

65-70 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

6600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥5/16	≥4	≥0
NO CEILING		5.6	6.9	8.8	10.9	11.3	12.4	14.1	15.6	18.2	19.7	20.3	20.6	21.2	21.6	26.1
IV 20000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	29.8
IV 18000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	29.9
IV 16000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	29.9
IV 14000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	29.8
IV 12000		6.4	7.9	9.8	11.8	12.9	14.3	15.9	17.6	20.3	21.8	22.3	22.9	23.6	24.0	29.8
IV 10000		6.6	8.1	9.9	12.0	13.1	14.4	16.1	17.8	20.9	22.0	22.5	22.1	23.8	24.2	30.0
IV 9000		7.3	8.8	10.7	12.8	13.9	15.2	16.9	18.6	21.2	22.7	23.3	23.8	24.6	25.0	30.8
IV 8000		8.6	10.3	12.4	14.4	15.6	17.3	19.1	20.8	23.8	25.3	25.9	26.5	27.2	27.6	33.6
IV 7000		9.9	11.6	13.9	16.3	17.4	19.3	21.6	23.3	26.5	28.1	29.1	29.6	30.4	30.8	36.8
IV 6000		9.9	11.8	14.1	16.7	17.8	19.7	22.1	23.8	27.2	29.1	30.0	30.6	31.3	31.7	37.7
IV 5000		10.3	12.8	15.0	17.6	18.8	20.6	23.1	24.8	28.1	30.2	31.1	31.7	32.5	32.8	38.8
IV 4500		10.3	12.9	15.4	18.0	19.1	21.0	23.5	25.1	28.5	30.6	31.5	32.1	32.8	33.2	39.2
IV 4000		10.9	13.9	16.5	19.5	20.6	22.5	25.1	26.8	30.4	32.5	33.4	34.0	34.7	35.1	41.1
IV 3500		11.3	14.4	17.8	21.0	22.3	24.4	27.4	29.1	33.0	35.1	36.0	36.6	37.3	37.5	43.9
IV 3000		14.4	17.8	21.4	25.0	26.6	29.8	32.8	34.3	38.6	40.7	41.7	42.2	43.0	43.5	49.7
IV 2500		14.6	18.2	21.8	25.3	27.0	30.2	33.2	34.9	39.3	41.8	42.8	43.8	44.1	44.7	50.8
IV 2000		15.2	19.3	23.5	27.2	28.9	32.1	35.1	36.8	41.3	43.8	44.8	45.8	46.2	46.7	52.9
IV 1800		15.2	19.3	23.5	27.2	28.9	32.1	35.1	36.8	41.3	43.8	44.8	45.8	46.2	46.7	52.9
IV 1500		15.8	20.3	24.8	29.5	31.1	34.7	38.3	40.2	44.6	47.5	48.4	49.0	49.7	50.5	56.5
IV 1200		16.7	21.4	25.9	30.8	32.3	36.0	39.6	42.0	47.5	49.9	50.8	51.4	52.2	52.7	58.9
IV 1000		17.1	22.0	26.5	31.2	32.8	36.4	40.2	42.6	48.6	51.0	52.0	52.8	53.3	53.8	60.0
IV 900		17.1	22.0	26.5	31.2	32.8	36.4	40.2	42.6	48.6	51.0	52.0	52.8	53.3	53.8	60.0
IV 800		17.6	22.9	28.0	33.2	35.3	39.0	42.8	45.0	51.4	53.8	54.8	55.3	55.1	56.7	62.3
IV 700		18.8	24.4	29.8	35.1	37.3	41.8	46.2	48.6	55.3	58.0	58.9	59.5	60.4	61.0	67.2
IV 600		18.8	24.4	29.8	35.1	37.3	41.8	46.2	48.6	55.3	58.0	58.9	59.5	60.4	61.0	67.2
IV 500		18.9	24.8	30.2	36.2	38.8	43.3	47.3	49.9	57.6	60.3	61.7	62.3	63.4	64.0	70.2
IV 400		18.9	24.8	30.2	36.2	38.8	43.3	47.3	49.9	57.6	60.3	61.7	62.3	63.4	64.0	70.2
IV 300		18.9	24.8	30.2	36.2	38.8	43.3	47.3	49.9	57.6	60.3	61.7	62.3	63.4	64.0	70.2
IV 200		18.9	24.8	30.2	36.2	38.8	43.3	47.3	49.9	57.6	60.3	61.7	62.3	63.4	64.0	70.2
IV 100		18.9	24.8	30.2	36.2	38.8	43.3	47.3	49.9	57.6	60.3	61.7	62.3	63.4	64.0	70.2
IV 0		18.9	24.8	30.2	36.2	38.8	43.3	47.3	49.9	57.6	60.3	61.7	62.3	63.4	64.0	70.2

TOTAL NUMBER OF OBSERVATIONS 533

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY A-4

6570 YEAR

CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1.4	≥1	≥¾	≥½	≥⅓	≥5/16	≥.4	≥0
NO CEILING																
≥20000		9.8	12.0	15.5	18.9	21.2	24.8	25.3	26.0	27.2	27.5	27.5	27.5	27.7	26.1	28.3
IV 18000		11.6	14.8	18.5	22.3	25.1	28.7	29.6	30.3	31.6	32.0	32.0	32.4	32.6	33.0	33.1
IV 16000		11.6	14.8	18.5	22.3	25.1	28.7	29.6	30.3	31.6	32.0	32.0	32.4	32.6	33.0	33.1
IV 14000		12.0	15.2	18.9	22.7	25.3	29.0	30.0	30.7	32.0	32.4	32.4	32.8	33.0	33.3	33.5
IV 12000		12.0	15.2	18.9	22.7	25.3	29.0	30.0	30.7	32.0	32.4	32.4	32.8	33.0	33.3	33.5
IV 10000		12.5	15.7	19.9	23.8	26.6	30.1	31.1	31.8	33.1	33.5	33.5	33.9	34.1	34.5	34.6
IV 9000		12.5	15.7	19.9	23.8	26.6	30.1	31.1	31.8	33.1	33.5	33.5	33.9	34.1	34.5	34.6
IV 8000		15.9	19.3	23.8	28.1	30.9	34.6	35.6	36.2	37.6	38.0	38.2	38.6	38.8	39.1	39.5
IV 7000		18.0	21.9	27.0	31.5	34.2	38.4	39.3	40.4	41.9	42.3	42.5	42.9	43.3	43.6	44.0
IV 6000		18.2	22.1	27.5	32.0	34.8	39.0	40.4	41.6	43.1	43.6	43.8	44.2	44.6	44.9	45.3
IV 5000		19.1	22.0	28.5	33.1	36.0	40.8	41.8	42.9	44.4	44.9	45.1	45.5	45.9	46.2	46.6
IV 4500		19.7	24.0	29.4	34.1	36.9	41.8	42.7	43.8	45.3	45.9	46.1	46.4	46.8	47.2	47.6
IV 4000		20.4	24.7	30.3	35.2	38.4	43.2	44.2	45.2	46.8	47.4	47.6	47.9	48.3	48.7	49.1
IV 3500		21.7	26.0	31.8	36.9	40.1	45.2	46.3	47.4	48.9	49.4	49.6	50.0	50.4	50.7	51.1
IV 3000		24.7	29.2	35.0	41.0	44.9	51.1	52.2	53.4	54.9	55.4	55.6	56.0	56.4	56.7	57.1
IV 2500		26.4	30.9	36.7	42.7	46.6	52.9	53.9	55.1	56.6	57.1	57.3	57.7	58.1	58.4	58.8
IV 2000		27.2	31.8	37.6	43.6	47.5	53.9	54.9	56.1	57.6	58.1	58.3	58.7	59.0	59.3	59.7
IV 1800		27.2	31.8	37.6	43.6	47.5	53.9	54.9	56.1	57.6	58.1	58.3	58.7	59.0	59.3	59.7
IV 1500		28.7	33.5	39.5	45.3	50.6	56.9	57.9	59.1	60.6	61.1	61.3	61.7	62.0	62.3	62.7
IV 1200		29.6	34.6	40.8	47.6	51.9	58.4	59.4	60.6	62.1	62.6	62.8	63.2	63.5	63.8	64.2
IV 1000		29.8	34.8	41.1	47.7	52.0	58.5	59.5	60.7	62.2	62.7	62.9	63.3	63.6	63.9	64.3
IV 900		30.3	35.4	41.9	48.6	52.9	59.4	60.4	61.6	63.1	63.6	63.8	64.2	64.5	64.8	65.2
IV 800		31.2	36.3	42.8	49.5	53.8	60.3	61.3	62.5	64.0	64.5	64.7	65.1	65.4	65.7	66.1
IV 700		32.2	37.0	43.7	50.4	54.7	61.2	62.2	63.4	64.9	65.4	65.6	66.0	66.3	66.6	67.0
IV 600		32.4	37.4	44.1	50.7	55.0	61.5	62.5	63.7	65.2	65.7	65.9	66.3	66.6	66.9	67.3
IV 500		32.6	37.6	44.3	50.9	55.2	61.7	62.7	63.9	65.4	65.9	66.1	66.5	66.8	67.1	67.5
IV 400		32.8	37.8	44.5	51.1	55.4	61.9	62.9	64.1	65.6	66.1	66.3	66.7	67.0	67.3	67.7
IV 300		32.8	37.8	44.5	51.1	55.4	61.9	62.9	64.1	65.6	66.1	66.3	66.7	67.0	67.3	67.7
IV 200		32.8	37.8	44.5	51.1	55.4	61.9	62.9	64.1	65.6	66.1	66.3	66.7	67.0	67.3	67.7
IV 100		32.8	37.8	44.5	51.1	55.4	61.9	62.9	64.1	65.6	66.1	66.3	66.7	67.0	67.3	67.7
IV 0		32.8	37.8	44.5	51.1	55.4	61.9	62.9	64.1	65.6	66.1	66.3	66.7	67.0	67.3	67.7

TOTAL NUMBER OF OBSERVATIONS 534

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 STATION RAUHHOLDER GERMANY AAF

65m70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	≥½	≥5/16	≥¼	≥0
NO CEILING																
IV 20000	12.8	19.1	21.8	24.6	27.1	28.8	29.0	29.2	29.4	30.0	30.0	30.0	30.0	30.0	30.0	30.0
IV 18050	19.7	23.6	26.5	30.2	33.1	33.3	33.3	33.7	33.9	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 16000	19.7	23.6	26.5	30.2	33.1	33.3	33.3	33.7	33.9	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 14000	19.9	23.8	26.7	30.4	32.3	33.3	33.7	33.9	36.1	36.6	36.6	36.6	36.6	36.6	36.6	36.6
IV 12000	20.1	24.0	26.9	30.6	32.7	33.9	34.1	36.3	36.5	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 10000	21.1	25.0	28.1	32.4	35.3	37.6	37.8	38.0	38.2	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 9000	21.1	25.0	28.1	32.4	35.3	37.6	37.8	38.0	38.2	38.4	39.0	39.0	39.0	39.0	39.0	39.0
IV 8000	25.1	29.2	32.6	37.2	40.4	42.9	42.7	42.9	43.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9
IV 7000	26.3	30.8	34.1	38.8	41.9	44.4	44.6	44.6	45.0	46.6	46.6	46.6	46.6	46.6	46.6	46.6
IV 6000	26.9	31.4	34.9	39.5	42.7	45.2	45.6	46.4	46.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 5000	28.5	32.9	35.5	41.7	45.0	47.6	48.0	48.7	49.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 4500	29.6	34.1	37.8	43.1	46.4	48.9	49.3	50.1	50.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 4000	30.4	34.9	38.3	44.1	47.4	49.9	50.3	51.1	51.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 3500	32.2	36.3	40.7	46.2	49.7	52.2	52.6	53.4	53.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 3000	36.1	40.3	44.8	50.3	53.8	56.3	56.7	57.3	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 2500	38.8	44.4	48.7	54.2	57.7	60.2	60.8	61.8	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 2000	39.4	45.2	49.3	55.0	58.9	61.0	61.6	62.6	63.0	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 1800	40.4	46.6	50.9	56.7	60.2	62.8	63.4	64.3	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 1500	43.3	49.7	54.2	61.0	64.3	67.1	67.6	68.6	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 1200	46.6	51.1	55.8	63.2	66.9	69.4	70.2	71.3	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1000	48.4	51.9	56.9	64.8	68.2	71.0	71.9	73.3	73.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 900	46.6	53.2	59.1	66.7	70.4	73.1	74.3	75.4	76.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 800	47.2	54.2	60.4	68.2	71.9	74.6	77.0	78.4	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 700	47.8	55.4	61.8	69.8	73.9	77.0	79.7	81.3	82.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 600	47.8	55.4	61.8	69.8	73.9	77.0	79.7	81.3	82.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 500	48.0	55.6	62.4	70.6	74.7	78.6	80.7	82.7	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 400	48.0	55.6	62.4	70.6	74.7	78.6	80.7	82.7	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 300	48.0	55.6	62.4	70.6	74.7	78.6	80.7	82.7	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 200	48.0	55.6	62.4	70.6	74.7	78.6	80.7	82.7	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 100	48.0	55.6	62.4	70.6	74.7	78.6	80.7	82.7	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
C	48.0	55.6	62.4	70.6	74.7	78.6	80.7	82.7	83.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3

TOTAL NUMBER OF OBSERVATIONS 513

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMAN AAF

65-70 YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1930-1970

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ 0	≥ 0
NO CEILING		15.2	18.8	25.0	28.1	28.3	31.1	31.9	32.1	32.9	33.3	33.5	33.7	33.7	33.7	33.7
IV 20000		19.2	23.8	30.9	34.5	34.7	38.1	39.1	39.3	40.1	40.3	40.7	40.9	40.9	40.9	40.9
IV 18000		19.2	23.8	30.9	34.5	34.7	38.1	39.1	39.3	40.1	40.3	40.7	40.9	40.9	40.9	40.9
IV 16000		19.2	23.8	30.9	34.5	34.7	38.1	39.1	39.3	40.1	40.3	40.7	40.9	40.9	40.9	40.9
IV 14000		19.6	24.2	31.3	34.9	35.1	38.5	39.5	39.7	40.5	40.9	41.1	41.3	41.3	41.3	41.3
IV 12000		19.6	24.2	31.3	34.9	35.1	38.5	39.5	39.7	40.5	40.9	41.1	41.3	41.3	41.3	41.3
IV 10000		20.6	25.1	32.5	36.3	36.5	39.9	40.9	41.1	41.9	42.3	42.5	42.7	42.7	42.7	42.7
IV 9000		21.4	25.9	33.3	37.3	37.5	41.1	42.1	42.3	43.1	43.5	43.7	43.9	43.9	43.9	43.9
IV 8000		23.4	29.1	36.9	41.1	41.3	45.1	46.1	46.3	47.1	47.5	47.7	47.9	47.9	47.9	47.9
IV 7000		26.7	32.7	40.7	44.9	45.3	49.1	50.1	50.7	51.7	52.1	52.3	52.5	52.5	52.5	52.5
IV 6000		28.1	34.1	42.5	46.7	47.3	51.1	52.1	52.9	53.9	54.5	54.7	54.9	54.9	54.9	54.9
IV 5000		29.5	35.7	44.3	48.7	49.3	53.7	54.9	55.7	56.7	57.3	57.7	57.9	57.9	57.9	57.9
IV 4500		30.3	36.7	45.5	50.1	50.9	55.1	56.3	57.1	58.1	58.9	59.1	59.3	59.3	59.3	59.3
IV 4000		31.3	37.7	46.9	51.5	52.3	56.9	57.7	58.5	59.5	60.3	60.5	60.7	60.7	60.7	60.7
IV 3500		31.7	38.5	47.7	52.3	53.1	57.9	58.9	59.3	60.3	61.1	61.3	61.5	61.5	61.5	61.5
IV 3000		35.1	42.1	52.1	56.9	57.7	62.9	63.7	64.5	65.5	66.3	66.5	66.7	66.7	66.7	66.7
IV 2500		37.9	45.9	56.9	61.7	62.5	67.9	68.7	69.5	70.5	71.3	71.5	71.7	71.7	71.7	71.7
IV 2000		38.7	46.9	58.1	63.1	63.9	69.1	70.3	71.1	72.3	73.1	73.3	73.5	73.5	73.5	73.5
IV 1800		39.7	48.3	60.1	65.1	65.9	71.3	72.5	73.3	74.5	75.3	75.5	75.7	75.7	75.7	75.7
IV 1500		40.7	49.3	61.9	67.1	68.1	73.5	74.7	75.5	76.7	77.5	77.7	77.9	77.9	77.9	77.9
IV 1200		41.1	49.7	62.3	67.5	68.5	74.3	75.4	76.4	77.6	78.4	78.6	78.8	78.8	78.8	78.8
IV 1000		41.1	49.7	62.3	67.5	68.5	74.3	75.4	76.4	77.6	78.4	78.6	78.8	78.8	78.8	78.8
IV 900		41.9	50.5	63.7	69.3	70.7	76.0	77.2	78.2	79.4	80.4	80.6	81.0	81.0	81.0	81.0
IV 800		44.1	52.9	66.1	71.7	73.1	78.5	80.0	81.0	82.4	83.6	83.8	84.2	84.2	84.2	84.2
IV 700		44.5	53.3	66.9	72.3	73.7	79.4	80.8	81.8	83.0	84.2	84.4	84.8	84.8	84.8	84.8
IV 600		44.5	53.3	66.9	72.3	73.7	79.4	80.8	81.8	83.0	84.2	84.4	84.8	84.8	84.8	84.8
IV 500		44.5	53.3	67.1	72.7	74.1	79.8	81.4	82.8	84.2	85.0	85.4	85.8	85.8	85.8	85.8
IV 400		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.4	85.6	86.0	86.4	86.4	86.4	86.4
IV 300		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.4	85.6	86.0	86.4	86.4	86.4	86.4
IV 200		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.4	85.6	86.0	86.4	86.4	86.4	86.4
IV 100		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.4	85.6	86.0	86.4	86.4	86.4	86.4
IV 0		44.5	53.3	67.3	72.9	74.3	80.2	81.8	83.2	84.4	85.6	86.0	86.4	86.4	86.4	86.4

TOTAL NUMBER OF OBSERVATIONS 301

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDFR GERMANY AAF

63266

607

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥¼	≥⅒	≥0
NO CEILING ≥ 20000		1.6	9.7	9.7	16.1	16.1	21.0	24.2	29.0	35.3	37.1	38.7	40.3	41.9	41.9	41.9
IVV 18000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IVV 16000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IVV 14000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IVV 12000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IVV 10000		1.6	14.5	14.5	21.0	21.0	25.8	29.0	33.9	40.3	41.9	43.5	45.2	46.8	46.8	46.8
IVV 9000		1.6	14.5	14.5	21.0	21.0	27.4	30.6	35.5	43.5	45.2	46.8	48.4	50.0	50.0	50.0
IVV 8000		1.6	14.5	14.5	21.0	21.0	27.4	30.6	35.5	43.5	45.2	46.8	48.4	50.0	50.0	50.0
IVV 7000		1.6	14.5	14.5	22.6	22.6	29.0	32.3	37.1	46.8	48.4	50.0	51.6	53.2	53.2	53.2
IVV 6000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	38.7	50.0	51.6	53.2	54.8	56.5	56.5	56.5
IVV 5000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IVV 4500		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IVV 4000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IVV 3500		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IVV 3000		3.2	16.1	16.1	24.2	24.2	30.6	33.9	40.3	51.6	53.2	54.8	56.5	58.1	58.1	58.1
IVV 2500		3.2	17.7	17.7	27.4	27.4	33.9	38.7	46.8	58.1	59.7	61.3	62.9	64.5	64.5	64.5
IVV 2000		3.2	17.7	17.7	27.4	27.4	33.9	38.7	46.8	58.1	59.7	61.3	62.9	64.5	64.5	64.5
IVV 1800		3.2	19.3	19.3	29.0	29.0	35.5	40.3	48.4	61.3	62.9	64.5	66.1	67.7	69.4	69.4
IVV 1500		3.2	19.3	19.3	29.0	29.0	35.5	40.3	48.4	61.3	62.9	64.5	66.1	67.7	69.4	69.4
IVV 1200		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 1000		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 900		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 800		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 700		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 600		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 500		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 400		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 300		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 200		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 100		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4
IVV 0		4.8	21.0	21.0	30.6	30.6	38.7	43.5	51.6	73.4	75.0	76.6	78.2	79.8	81.4	81.4

TOTAL NUMBER OF OBSERVATIONS 62

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 RAUMHOLDER GERMANY AAF

65-70

10V

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

3300-0300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0
NO CEILING		6.3	6.9	8.1	10.6	10.6	12.5	13.1	13.1	19.4	19.4	19.4	19.4	19.4	20.6	24.4
≥ 20000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
IV 18000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
IV 16000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
IV 14000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
IV 12000		6.3	6.9	8.1	11.3	11.3	13.1	13.8	13.8	20.0	20.0	20.0	20.0	20.0	21.3	25.0
IV 10000		7.9	8.1	9.4	12.5	12.5	14.4	15.0	15.0	21.9	21.9	21.9	21.9	21.9	22.5	26.3
IV 9000		8.1	8.8	10.0	13.1	13.1	15.0	15.0	15.0	21.9	21.9	21.9	21.9	21.9	22.5	26.9
IV 8000		9.4	10.0	11.3	14.4	14.4	16.9	18.1	18.1	24.4	24.4	24.4	24.4	24.4	25.6	29.4
IV 7000		9.4	10.0	11.3	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.3	30.0
IV 6000		9.4	10.6	11.9	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.9	30.6
IV 5000		9.4	10.6	11.9	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.9	30.6
IV 4500		9.4	10.6	11.9	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	26.9	30.6
IV 4000		9.4	10.6	11.9	15.0	15.0	17.5	18.8	18.8	25.0	25.0	25.0	25.0	25.0	27.5	31.3
IV 3500		9.4	10.6	12.5	15.0	15.0	18.1	19.4	19.4	26.3	26.3	26.3	26.3	26.3	28.1	31.9
IV 3000		10.0	11.3	13.1	16.9	16.9	20.0	21.3	21.3	28.4	28.4	28.4	28.4	28.4	31.3	35.0
IV 2500		10.0	11.3	13.1	16.9	16.9	20.0	21.3	21.3	28.4	28.4	28.4	28.4	28.4	31.3	36.9
IV 2000		10.0	12.5	13.8	18.8	18.8	22.5	24.4	24.4	30.0	30.0	30.0	30.0	30.0	32.5	41.9
IV 1800		10.0	12.5	13.8	18.8	18.8	22.5	24.4	24.4	30.0	30.0	30.0	30.0	30.0	32.5	41.9
IV 1500		11.9	13.8	16.9	20.6	20.6	23.8	27.5	27.5	33.8	33.8	33.8	33.8	33.8	41.9	45.6
IV 1200		13.1	15.0	18.8	22.5	22.5	26.1	30.0	30.0	38.9	38.9	38.9	38.9	38.9	46.3	50.0
IV 1000		13.8	15.0	20.0	24.4	24.4	28.0	32.0	32.0	42.0	42.0	42.0	42.0	42.0	50.0	58.1
IV 900		13.8	15.0	20.0	24.4	24.4	28.0	32.0	32.0	42.0	42.0	42.0	42.0	42.0	50.0	58.1
IV 800		14.4	16.9	22.5	27.5	27.5	31.3	35.0	35.0	45.6	45.6	45.6	45.6	45.6	54.4	59.4
IV 700		14.4	16.9	22.5	27.5	27.5	31.3	35.0	35.0	45.6	45.6	45.6	45.6	45.6	54.4	59.4
IV 600		14.4	16.9	22.5	27.5	27.5	31.3	35.0	35.0	45.6	45.6	45.6	45.6	45.6	54.4	59.4
IV 500		15.0	17.5	24.4	28.8	28.8	33.8	38.9	38.9	49.4	49.4	49.4	49.4	49.4	58.1	66.9
IV 400		15.0	17.5	24.4	28.8	28.8	33.8	38.9	38.9	49.4	49.4	49.4	49.4	49.4	58.1	66.9
IV 300		15.0	17.5	24.4	28.8	28.8	33.8	38.9	38.9	49.4	49.4	49.4	49.4	49.4	58.1	66.9
IV 200		15.0	17.5	24.4	28.8	28.8	33.8	38.9	38.9	49.4	49.4	49.4	49.4	49.4	58.1	66.9
IV 100		15.0	17.5	24.4	28.8	28.8	33.8	38.9	38.9	49.4	49.4	49.4	49.4	49.4	58.1	66.9
IV 0		15.0	17.5	24.4	28.8	28.8	33.8	38.9	38.9	49.4	49.4	49.4	49.4	49.4	58.1	66.9

TOTAL NUMBER OF OBSERVATIONS 160



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

65-70

YEARS

CV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING																
IV 20000		3.4	4.4	6.7	8.7	8.9	9.7	11.7	12.1	14.5	15.8	16.2	16.2	16.4	16.6	18.8
IV 18000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.4	19.6	19.8	22.2
IV 16000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.4	19.6	19.8	22.2
IV 14000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.4	19.6	19.8	22.2
IV 12000		3.5	6.5	8.7	10.9	11.1	12.1	14.7	15.4	17.8	19.0	19.4	19.4	19.6	19.8	22.2
IV 10000		3.4	6.7	9.1	11.2	11.5	12.5	15.2	15.8	18.6	19.6	20.0	20.0	20.2	20.4	22.8
IV 9000		3.7	6.7	9.1	11.2	11.5	12.5	15.2	15.8	18.6	19.6	20.0	20.0	20.2	20.4	22.8
IV 8000		7.1	8.1	10.5	12.9	13.1	14.5	17.2	17.8	20.6	21.8	22.2	22.2	22.4	22.6	25.5
IV 7600		7.7	8.7	11.1	13.5	13.7	15.2	17.8	18.6	21.2	22.4	22.8	22.8	23.0	23.2	26.1
IV 6000		7.9	8.9	11.3	13.7	13.9	15.4	18.2	18.8	21.6	22.8	23.2	23.2	23.4	23.6	26.5
IV 5000		7.9	8.9	11.3	13.7	13.9	15.4	18.2	18.8	21.6	22.8	23.2	23.2	23.4	23.6	26.5
IV 4500		7.9	8.9	11.3	13.7	13.9	15.4	18.2	18.8	21.6	22.8	23.2	23.2	23.4	23.6	26.5
IV 4000		7.9	8.9	11.3	13.7	13.9	15.4	18.2	18.8	21.6	22.8	23.2	23.2	23.4	23.6	26.5
IV 3500		8.5	9.5	12.5	14.9	15.6	17.4	20.2	21.2	24.6	25.9	26.3	26.3	26.5	26.7	29.5
IV 3300		10.1	11.1	14.1	16.5	17.4	19.2	22.0	23.0	26.4	27.7	28.1	28.1	28.3	28.5	31.9
IV 2500		10.7	11.9	14.9	17.4	18.4	20.2	23.0	24.0	27.4	28.7	29.1	29.1	29.3	29.5	33.3
IV 2000		11.3	12.9	16.2	18.6	19.6	21.4	24.2	25.2	28.6	29.9	30.3	30.3	30.5	30.7	35.6
IV 1800		11.9	12.9	16.4	18.8	19.8	21.6	24.4	25.4	28.8	30.1	30.5	30.5	30.7	30.9	36.0
IV 1500		13.1	14.9	19.2	21.6	22.6	24.4	27.2	28.2	31.6	32.9	33.3	33.3	33.5	33.7	40.2
IV 1200		15.3	17.6	23.0	25.4	26.4	28.2	31.0	32.0	35.4	36.7	37.1	37.1	37.3	37.5	45.9
IV 1000		16.2	18.6	24.1	26.5	27.5	29.3	32.1	33.1	36.5	37.8	38.2	38.2	38.4	38.6	45.9
IV 900		16.8	19.2	25.1	27.5	28.5	30.3	33.1	34.1	37.5	38.8	39.2	39.2	39.4	39.6	45.9
IV 800		16.8	21.4	26.9	29.3	30.3	32.1	34.9	35.9	39.3	40.6	41.0	41.0	41.2	41.4	51.3
IV 700		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3
IV 600		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3
IV 500		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3
IV 400		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3
IV 300		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3
IV 200		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3
IV 100		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3
IV 0		18.6	22.0	28.5	30.9	31.9	33.7	36.5	37.5	40.9	42.2	42.6	42.6	42.8	43.0	51.3

TOTAL NUMBER OF OBSERVATIONS 495

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF STATION NAME

6570 TIME

APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS T-1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.1	≥0	≥0
NO CEILING		4.8	6.5	9.1	9.9	12.1	13.5	14.7	15.2	15.8	16.0	16.0	16.0	16.0	16.0	16.4
IV 20000		6.7	8.3	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 18000		6.7	8.3	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 16000		6.7	8.3	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 14000		6.7	8.3	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 12000		6.7	8.3	11.1	12.2	14.7	16.8	18.2	18.6	19.4	19.8	19.8	20.0	20.2	20.2	20.6
IV 10000		7.5	9.3	11.9	13.1	15.6	17.6	19.0	19.4	20.2	20.6	20.6	20.8	21.0	21.0	21.4
IV 9000		7.5	9.3	11.9	13.1	15.6	17.6	19.0	19.4	20.2	20.6	20.6	20.8	21.0	21.0	21.4
IV 8000		8.3	10.3	13.5	14.7	17.2	19.2	20.6	21.2	22.4	22.8	22.8	23.0	23.2	23.2	23.8
IV 7000		8.7	10.9	14.1	15.6	18.0	20.0	21.8	22.4	23.6	24.0	24.0	24.2	24.4	24.4	25.1
IV 6000		8.7	10.9	14.1	15.6	18.0	20.0	21.8	22.4	23.6	24.0	24.0	24.2	24.4	24.4	25.1
IV 5000		8.7	10.9	14.1	15.6	18.0	20.0	21.8	22.4	23.6	24.0	24.0	24.2	24.4	24.4	25.1
IV 4500		9.3	11.5	14.9	16.6	19.2	21.4	23.2	23.8	25.9	26.9	26.9	27.1	27.3	27.3	27.9
IV 4000		9.3	11.5	14.9	16.6	19.2	21.4	23.2	23.8	25.9	26.9	26.9	27.1	27.3	27.3	27.9
IV 3500		9.9	12.1	15.9	17.4	20.0	22.2	24.0	24.6	27.1	28.1	28.1	28.3	28.5	28.5	29.1
IV 3000		11.1	13.5	17.2	18.8	21.4	23.6	25.8	26.1	28.8	29.8	29.8	29.9	29.9	29.9	30.5
IV 2500		12.9	15.6	19.2	20.8	23.4	26.1	28.1	28.7	31.1	32.5	32.5	32.7	32.9	32.9	33.5
IV 2000		13.9	16.8	20.4	22.0	24.8	27.2	29.2	30.1	32.8	33.9	33.9	34.1	34.3	34.3	34.9
IV 1800		14.3	17.2	21.4	23.0	25.9	28.5	30.3	31.3	33.7	35.2	35.2	35.4	35.6	35.6	36.2
IV 1500		15.6	18.6	22.0	23.8	27.7	30.1	32.1	32.8	35.8	37.4	37.4	37.6	37.8	37.8	38.4
IV 1200		17.4	20.4	23.7	25.5	31.5	33.7	35.3	37.3	40.4	42.0	42.0	42.2	42.4	42.4	43.0
IV 1000		20.0	23.0	26.9	28.3	35.0	38.4	41.0	43.0	45.7	47.3	47.3	47.5	47.7	47.9	48.5
IV 900		22.2	25.7	31.7	33.4	39.0	42.0	44.6	46.7	49.9	51.2	51.3	51.5	51.7	51.7	52.3
IV 800		23.8	27.2	33.3	37.4	41.4	45.1	48.7	51.5	54.9	56.3	56.3	57.0	57.2	57.2	57.8
IV 700		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2
IV 600		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2
IV 500		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2
IV 400		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2
IV 300		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2
IV 200		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2
IV 100		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2
IV 0		24.2	27.7	34.1	38.6	43.0	46.9	50.3	53.3	56.8	58.0	58.1	61.0	61.2	61.4	62.2

TOTAL NUMBER OF OBSERVATIONS 495

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077  
STATION

BAUMHOLDER GERMANY AAF  
STATION NAME

65=70  
YEAR

AGV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200=1400  
NO. OF DAYS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING																
IV 20000		8.1	9.2	13.0	13.4	15.4	16.4	17.3	17.9	17.9	17.9	17.5	17.5	17.5	17.5	17.7
IV 18000		12.4	13.4	17.9	18.4	20.7	21.7	23.0	23.0	23.2	23.3	23.3	23.3	23.3	23.7	23.7
IV 16000		12.4	13.4	17.9	18.4	20.7	21.7	23.0	23.0	23.2	23.3	23.3	23.3	23.3	23.7	23.7
IV 14000		12.4	13.4	17.9	18.4	20.7	21.7	23.0	23.0	23.2	23.3	23.3	23.3	23.3	23.7	23.7
IV 12000		12.4	13.4	17.9	18.4	20.7	21.7	23.0	23.0	23.2	23.3	23.3	23.3	23.3	23.7	23.7
IV 10000		12.4	13.4	17.9	18.4	20.7	21.7	23.0	23.0	23.2	23.3	23.3	23.3	23.3	23.7	23.7
IV 9000		12.4	13.4	17.9	18.4	20.7	21.7	23.0	23.0	23.2	23.3	23.3	23.3	23.3	23.7	23.7
IV 8000		14.7	15.6	20.7	21.3	23.9	24.9	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	26.9
IV 7000		14.7	15.6	20.7	21.3	23.9	24.9	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	26.9
IV 6000		14.7	15.6	20.7	21.3	23.9	24.9	26.2	26.2	26.4	26.7	26.7	26.7	26.7	26.9	26.9
IV 5000		15.4	16.4	21.1	22.0	24.9	26.2	27.6	27.6	27.9	28.4	29.0	29.0	29.0	29.2	29.2
IV 4500		15.4	16.4	21.1	22.0	24.9	26.2	27.6	27.6	27.9	28.4	29.0	29.0	29.0	29.2	29.2
IV 4000		15.4	16.4	21.1	22.0	24.9	26.2	27.6	27.6	27.9	28.4	29.0	29.0	29.0	29.2	29.2
IV 3500		16.2	17.7	23.2	23.1	27.1	27.2	30.9	31.3	32.4	33.0	33.0	33.0	33.0	33.3	33.3
IV 3000		16.2	17.7	23.2	23.1	27.1	27.2	30.9	31.3	32.4	33.0	33.0	33.0	33.0	33.3	33.3
IV 2500		19.6	21.5	27.2	28.1	31.6	33.9	38.6	38.0	37.1	37.7	37.7	37.7	37.7	38.0	38.0
IV 2000		21.7	24.1	30.1	30.9	34.2	36.7	39.6	39.0	40.1	40.7	40.7	40.7	40.7	40.9	40.9
IV 1800		22.9	26.9	30.9	32.0	35.4	37.7	37.7	40.1	41.2	41.8	41.8	41.8	41.8	42.0	42.0
IV 1500		24.9	27.2	33.3	34.5	38.2	40.7	42.8	42.1	44.1	44.8	44.8	44.8	44.8	45.0	45.0
IV 1200		27.2	30.7	35.9	38.6	43.1	46.1	48.0	48.4	49.3	50.1	50.1	50.1	50.1	50.3	50.3
IV 1000		30.1	33.3	40.3	42.4	46.9	50.3	52.7	53.3	54.4	55.7	55.7	55.7	55.7	55.9	55.9
IV 900		30.9	34.1	41.6	43.9	49.8	53.7	56.3	56.9	58.6	59.7	59.7	59.7	59.7	59.9	59.9
IV 800		31.8	35.2	42.6	45.4	51.8	56.3	59.9	61.0	64.2	65.3	65.3	65.3	65.3	65.7	65.7
IV 700		32.6	36.0	43.7	46.9	53.3	58.2	62.9	64.4	68.4	69.7	70.1	70.1	70.1	70.4	70.4
IV 600		32.6	36.2	44.1	47.8	54.2	59.3	64.8	66.3	70.4	71.9	72.1	72.1	72.1	72.3	72.3
IV 500		32.6	36.3	44.5	48.4	55.7	61.4	66.7	68.7	73.8	75.7	77.0	77.0	77.0	77.2	77.2
IV 400		32.6	36.3	44.5	48.4	55.7	62.0	67.8	69.7	77.4	80.0	81.4	81.9	81.9	82.1	82.1
IV 300		32.6	36.3	45.0	48.8	56.1	62.3	68.4	70.6	79.1	83.8	86.1	87.8	87.8	88.1	88.3
IV 200		32.6	36.3	45.0	48.8	56.1	62.3	68.4	70.6	80.4	85.9	89.3	92.3	93.0	93.4	94.2
IV 100		32.6	36.3	45.0	48.8	56.1	62.3	68.4	70.6	80.4	85.9	89.3	92.3	94.3	94.9	98.1
IV 0		32.6	36.3	45.0	48.8	56.1	62.3	68.4	70.6	80.4	85.9	89.3	92.3	94.3	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 469

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

36077 BAUMHOLTER GERMANY AAF

63-70

YEARS

ACTV

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ .	≥ 0	
NO CEILING																
IV 20000	10.1	13.5	16.4	18.2	19.3	20.2	20.4	20.7	21.6	21.6	21.6	21.6	21.6	21.8	22.5	22.7
IV 18000	13.0	16.9	20.2	22.5	23.6	24.5	24.9	25.2	26.3	26.5	26.5	26.5	26.5	26.7	27.4	27.6
IV 16000	13.0	16.9	20.2	22.5	23.6	24.5	24.9	25.2	26.3	26.5	26.5	26.5	26.5	26.7	27.4	27.6
IV 14000	13.0	16.9	20.2	22.5	23.6	24.5	24.9	25.2	26.3	26.5	26.5	26.5	26.5	26.7	27.4	27.6
IV 12000	13.0	16.9	20.2	22.5	23.6	24.5	24.9	25.2	26.3	26.5	26.5	26.5	26.5	26.7	27.4	27.6
IV 10000	13.7	17.5	20.9	23.1	24.5	25.4	25.8	26.1	27.4	27.4	27.4	27.4	27.4	27.6	28.3	28.5
IV 9000	13.9	17.8	21.1	23.4	24.7	25.6	26.0	26.3	27.9	27.9	27.9	27.9	27.9	28.1	28.8	29.0
IV 8000	15.5	19.3	22.7	25.4	26.7	27.9	28.3	28.5	29.9	29.9	29.9	29.9	29.9	30.1	30.8	31.0
IV 7000	16.0	19.8	23.8	26.7	28.1	29.4	30.1	30.3	31.7	31.9	31.9	31.9	31.9	32.1	32.8	33.0
IV 6000	16.0	19.8	23.8	26.7	28.1	29.7	30.6	30.8	32.1	32.4	32.6	32.6	32.6	33.0	33.7	33.9
IV 5000	16.4	21.1	25.4	28.3	29.7	31.2	32.1	32.4	33.7	33.9	34.2	34.2	34.2	34.6	35.3	35.5
IV 4500	17.8	22.7	27.0	29.9	31.2	32.8	33.7	33.9	35.3	35.5	35.7	35.7	35.7	36.2	36.9	37.1
IV 4000	17.8	22.7	27.0	29.9	31.2	32.8	33.7	33.9	35.3	35.5	35.7	35.7	35.7	36.2	36.9	37.1
IV 3500	18.9	24.0	28.3	31.2	32.6	34.2	35.1	35.3	36.6	36.9	37.1	37.1	37.1	37.5	38.2	38.4
IV 3000	19.8	24.9	29.4	32.4	33.7	35.3	36.2	36.4	37.8	38.0	38.2	38.2	38.2	38.7	39.3	39.6
IV 2500	23.1	29.0	33.9	37.1	38.4	40.2	41.3	41.6	42.9	43.4	43.6	43.6	43.6	44.0	44.7	44.9
IV 2000	23.8	29.9	35.5	38.9	40.2	42.0	43.1	43.4	44.7	45.2	45.4	45.4	45.4	45.8	46.5	46.7
IV 1800	24.3	30.5	36.4	40.0	41.6	43.4	44.7	44.9	46.3	46.7	47.0	47.0	47.0	47.4	48.1	48.5
IV 1500	26.3	32.6	38.9	42.7	44.3	47.0	48.3	48.2	50.0	51.2	51.5	51.7	52.1	52.8	53.8	54.0
IV 1200	29.4	35.7	42.9	47.0	48.8	51.9	53.5	54.4	56.2	56.6	56.9	57.1	57.5	58.2	58.8	58.4
IV 1000	29.7	36.0	44.0	48.3	50.1	53.9	55.7	57.2	60.0	60.9	61.1	61.3	61.8	62.5	63.2	62.7
IV 900	29.7	36.0	44.0	48.3	50.1	53.9	55.7	57.2	60.0	60.9	61.1	61.3	61.8	62.5	63.2	62.7
IV 800	29.7	36.0	44.0	48.3	50.1	53.9	55.7	57.2	60.0	60.9	61.1	61.3	61.8	62.5	63.2	62.7
IV 700	29.9	37.1	44.7	49.2	51.0	55.2	57.0	61.0	67.0	67.8	68.2	68.4	68.7	70.1	70.8	71.0
IV 600	30.3	37.5	45.2	50.1	51.9	57.3	61.0	66.0	69.7	71.9	72.1	72.4	72.8	73.8	73.7	73.7
IV 500	30.3	38.0	46.1	51.0	52.8	58.2	62.7	68.2	71.5	73.1	73.5	73.8	74.2	76.0	77.3	77.5
IV 400	30.3	38.2	46.3	51.2	53.3	59.1	63.6	69.1	72.7	77.5	78.0	78.9	79.3	80.0	80.2	80.2
IV 300	30.3	38.2	46.3	51.2	53.3	59.1	63.6	69.1	72.7	77.5	81.8	82.7	84.5	85.4	86.1	86.3
IV 200	30.3	38.2	46.3	51.2	53.3	59.1	63.6	69.1	72.7	77.5	84.5	86.5	89.4	91.2	91.9	92.6
IV 100	30.3	38.2	46.3	51.2	53.3	59.1	63.6	69.1	72.7	77.5	84.5	86.5	89.4	91.2	91.9	92.6
IV 0	30.3	38.2	46.3	51.2	53.3	59.1	63.6	69.1	72.7	77.5	84.5	86.5	89.4	91.2	91.9	92.6

TOTAL NUMBER OF OBSERVATIONS 445

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

# CEILING VERSUS VISIBILITY

STATION 34077 SAUMHOLDER GERMANY AAE STATION NAME

65 YEARS

1951-1955

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		3.4	3.4	2.4	10.2	20.7	27.6	27.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
IV 20000		3.4	3.4	3.4	10.2	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 18000		3.4	3.4	3.4	10.2	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 16000		3.4	3.4	3.4	10.2	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000		3.4	3.4	3.4	10.2	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 12000		3.4	3.4	3.4	10.2	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 10000		3.4	3.4	3.4	10.2	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 9000		3.4	3.4	3.4	10.2	24.1	31.0	31.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 8000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 7000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 6000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 5000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 4500		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 4000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 3500		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 3000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 2500		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 2000		3.4	3.4	3.4	13.8	27.6	34.5	34.5	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 1800		3.4	3.4	3.4	17.2	31.0	37.9	37.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 1500		3.4	3.4	3.4	17.2	31.0	37.9	37.9	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
IV 1200		3.4	3.4	3.4	20.7	34.5	41.4	41.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 1000		3.4	3.4	3.4	20.7	34.5	41.4	41.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 900		3.4	3.4	3.4	20.7	34.5	44.8	44.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 800		3.4	3.4	3.4	20.7	34.5	44.8	44.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 700		3.4	3.4	3.4	20.7	34.5	48.2	48.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 600		3.4	3.4	3.4	20.7	34.5	48.2	48.2	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 500		3.4	3.4	3.4	20.7	34.5	51.7	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 400		3.4	3.4	3.4	20.7	34.5	51.7	51.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 300		3.4	3.4	3.4	20.7	34.5	55.2	55.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 200		3.4	3.4	3.4	20.7	34.5	55.2	55.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 100		3.4	3.4	3.4	20.7	34.5	55.2	55.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 0		3.4	3.4	3.4	20.7	34.5	55.2	55.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF STATION NAME

65-70 YEAR

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0300-0500 HOUR

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0	≥ 0
NO CEILING																
IV 20000		2.4	2.4	8.9	8.9	8.9	10.5	12.1	13.7	19.4	20.2	20.2	20.2	20.2	21.0	21.0
IV 18000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 16000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 14000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 12000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 10000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 9000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 8000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 7000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 6000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 5000		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	21.8	21.8	21.8	21.8	22.6	23.4
IV 4500		3.2	3.2	9.7	9.7	9.7	11.3	13.7	15.3	21.0	22.6	22.6	22.6	22.6	23.4	24.2
IV 4000		3.2	3.2	9.7	10.5	10.5	12.1	13.7	15.3	16.9	23.4	24.2	24.2	24.2	25.0	25.8
IV 3500		4.0	4.0	10.5	12.1	12.1	14.5	15.3	18.7	20.2	26.9	27.4	27.4	27.4	28.2	29.0
IV 3000		4.0	4.0	12.1	13.7	13.7	16.1	16.9	20.2	21.8	28.2	29.0	29.0	29.0	29.9	30.6
IV 2500		4.8	4.8	12.9	15.3	15.3	17.7	20.2	21.8	29.0	30.6	30.6	30.6	30.6	31.5	32.3
IV 2000		4.8	4.8	13.7	16.9	16.9	21.0	24.2	25.8	32.3	33.9	33.9	33.9	33.9	37.1	37.9
IV 1800		4.8	5.6	13.7	16.9	16.9	21.0	24.2	25.8	33.9	35.5	35.5	35.5	35.5	37.1	37.9
IV 1500		4.8	5.6	14.5	18.7	18.7	22.6	25.8	27.4	37.9	39.5	39.5	39.5	39.5	40.3	41.1
IV 1200		4.8	6.4	16.1	20.2	20.2	24.2	27.4	29.0	43.9	45.5	45.5	45.5	45.5	46.0	46.8
IV 1000		5.6	7.2	16.9	21.0	21.0	25.0	28.2	29.8	46.8	48.4	48.4	48.4	48.4	49.2	50.0
IV 900		5.6	7.2	16.9	21.0	21.0	25.0	28.2	29.8	48.4	50.0	50.0	50.0	50.0	50.8	51.6
IV 800		5.6	7.2	17.7	21.8	22.6	26.6	30.6	32.3	52.4	54.0	54.0	54.0	54.0	54.8	55.6
IV 700		5.6	7.2	17.7	21.8	22.6	27.4	32.3	33.9	56.3	57.9	57.9	57.9	57.9	60.5	61.3
IV 600		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	61.3	64.5	64.5	64.5	64.5	65.3	66.1
IV 500		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	66.1	70.2	70.2	70.2	70.2	71.0	71.8
IV 400		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	75.6	75.6	75.6	75.6	77.0	77.8
IV 300		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	77.0	82.1	83.9	84.7	85.5	86.3
IV 200		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	80.6	83.9	83.9	87.9	90.3	91.9
IV 100		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	80.6	83.9	83.9	88.7	91.9	95.2
IV 0		6.4	8.0	19.4	23.4	24.2	29.0	33.9	37.1	71.0	80.6	83.9	83.9	88.7	91.9	100.0

TOTAL NUMBER OF OBSERVATIONS 124

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 SAUMHOLDER GERMANY AAF

65-76

YEARS

50

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

660-0800

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING		4,5	5,3	9,2	10,0	10,9	10,9	11,5	12,0	14,7	15,8	15,8	16,0	16,0	16,2	16,7
IV 20000		4,9	6,0	10,0	10,9	11,1	12,2	13,0	13,5	16,2	17,2	17,3	17,5	17,5	17,7	18,2
IV 18000		4,9	6,0	10,0	10,9	11,1	12,2	13,0	13,5	16,2	17,2	17,3	17,5	17,5	17,7	18,2
IV 16000		4,9	6,0	10,0	10,9	11,1	12,2	13,0	13,5	16,2	17,2	17,3	17,5	17,5	17,7	18,2
IV 14000		4,9	6,0	10,0	10,9	11,1	12,2	13,0	13,5	16,2	17,2	17,3	17,5	17,5	17,7	18,2
IV 12000		4,9	6,0	10,0	10,9	11,1	12,2	13,0	13,5	16,2	17,2	17,3	17,5	17,5	17,7	18,2
IV 10000		5,1	6,2	10,3	11,1	11,3	12,4	13,2	13,7	16,7	17,7	17,7	17,9	17,9	18,2	18,6
IV 9000		5,1	6,2	10,3	11,1	11,3	12,4	13,2	13,7	16,7	17,7	17,7	17,9	17,9	18,2	18,6
IV 8000		5,8	6,8	10,9	12,0	12,2	13,5	14,3	14,7	18,2	19,2	19,2	19,4	19,4	19,7	20,1
IV 7000		5,8	6,8	11,1	12,2	12,4	13,7	14,7	15,2	18,6	19,7	19,7	19,9	19,9	20,1	20,5
IV 6000		5,8	6,8	11,1	12,2	12,4	13,9	15,0	15,4	18,8	19,9	19,9	20,1	20,1	20,3	20,7
IV 5000		5,8	6,8	11,1	12,4	12,6	14,3	15,4	15,8	19,2	20,3	20,3	20,5	20,5	20,7	21,2
IV 4500		5,8	6,8	11,1	12,4	12,6	14,3	15,4	15,8	19,2	20,3	20,3	20,5	20,5	20,7	21,2
IV 4000		5,8	6,8	11,1	12,6	13,0	14,7	15,8	16,2	20,1	21,4	21,4	21,6	21,6	21,8	22,2
IV 3500		6,4	7,5	11,8	13,2	13,7	15,4	16,7	17,1	20,9	22,2	22,2	22,4	22,4	22,6	23,1
IV 3000		7,1	8,5	14,3	15,8	16,7	19,4	20,9	21,4	25,9	27,4	27,4	27,6	27,6	27,8	28,2
IV 2500		8,1	9,6	16,2	17,7	18,6	21,4	22,9	23,9	28,0	29,5	29,5	29,7	29,7	29,9	30,3
IV 2000		8,8	10,3	17,3	19,7	20,3	24,4	26,1	27,1	32,3	34,0	34,0	34,2	34,2	34,4	34,8
IV 1800		9,6	10,9	18,4	21,2	22,2	26,3	28,2	29,3	34,6	36,2	36,2	36,4	36,4	36,6	37,0
IV 1500		9,6	10,9	18,4	21,2	22,2	26,3	28,2	29,3	34,6	36,2	36,2	36,4	36,4	36,6	37,0
IV 1200		10,3	12,0	20,9	24,1	25,4	29,7	31,6	32,9	39,9	41,2	41,7	41,9	41,9	42,1	42,5
IV 1000		11,1	13,7	22,2	25,9	27,1	31,4	33,2	34,8	43,2	44,9	45,3	45,7	45,9	46,2	46,6
IV 900		11,1	13,7	22,2	25,9	27,1	31,4	33,2	34,8	43,2	44,9	45,3	45,7	45,9	46,2	46,6
IV 800		11,1	13,7	22,2	25,9	27,1	31,4	33,2	34,8	43,2	44,9	45,3	45,7	45,9	46,2	46,6
IV 700		11,1	13,7	22,2	25,9	27,1	31,4	33,2	34,8	43,2	44,9	45,3	45,7	45,9	46,2	46,6
IV 600		11,5	14,5	24,6	28,8	30,8	37,4	40,6	43,4	56,8	60,5	60,9	61,3	61,5	61,8	62,2
IV 500		11,5	14,5	24,6	28,8	30,8	37,4	40,6	43,4	56,8	60,5	60,9	61,3	61,5	61,8	62,2
IV 400		11,5	14,5	24,6	28,8	30,8	37,4	40,6	43,4	56,8	60,5	60,9	61,3	61,5	61,8	62,2
IV 300		11,5	14,5	24,6	28,8	30,8	37,4	40,6	43,4	56,8	60,5	60,9	61,3	61,5	61,8	62,2
IV 200		11,5	14,5	24,6	28,8	30,8	37,4	40,6	43,4	56,8	60,5	60,9	61,3	61,5	61,8	62,2
IV 100		11,5	14,5	24,6	28,8	30,8	37,4	40,6	43,4	56,8	60,5	60,9	61,3	61,5	61,8	62,2
IV 0		11,5	14,5	24,6	28,8	30,8	37,4	40,6	43,4	56,8	60,5	60,9	61,3	61,5	61,8	62,2

TOTAL NUMBER OF OBSERVATIONS 668

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/YAC

# CEILING VERSUS VISIBILITY

34077 STATION BAUMHOLDER GERMANY AAF

65-70

JEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2920-1160

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	≥0.05	≥0
NO CEILING		7.4	8.4	11.3	11.7	11.7	12.7	13.3	13.5	13.7	13.9	13.9	13.9	13.9	13.9	13.9
IV 20000		7.4	8.4	11.3	11.9	11.9	12.9	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 18000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 16000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 14000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 12000		7.4	8.4	11.3	11.9	11.9	13.1	13.7	13.9	14.1	14.3	14.3	14.3	14.3	14.3	14.3
IV 10000		7.8	9.2	12.1	12.7	12.7	13.9	14.5	14.8	15.0	15.4	15.4	15.4	15.4	15.4	15.4
IV 9000		7.8	9.2	12.1	12.7	12.7	13.9	14.5	14.8	15.0	15.4	15.4	15.4	15.4	15.4	15.4
IV 8000		7.8	9.2	12.3	13.1	13.1	14.3	15.0	15.2	15.8	16.4	16.4	16.4	16.4	16.4	16.4
IV 7000		7.8	9.2	12.3	14.1	14.1	15.4	16.0	16.2	17.0	17.6	17.6	17.6	17.6	17.6	17.6
IV 6000		7.8	9.2	12.9	14.5	14.5	15.8	16.6	17.0	18.0	18.6	18.6	18.6	18.6	18.6	18.6
IV 5000		8.0	9.6	13.5	15.4	15.4	16.6	17.6	17.8	18.9	19.7	19.7	19.7	19.7	19.7	19.7
IV 4500		8.0	9.6	13.5	15.4	15.4	16.6	17.6	17.8	18.9	19.7	19.7	19.7	19.7	19.7	19.7
IV 4000		8.2	9.8	13.7	15.6	15.6	16.8	17.8	18.0	19.1	19.9	19.9	20.1	20.1	20.1	20.1
IV 3500		8.4	10.2	14.1	16.2	16.2	17.4	18.4	18.6	20.1	20.9	20.9	21.1	21.1	21.1	21.1
IV 3000		9.2	11.3	15.6	18.2	18.2	19.4	20.4	20.7	22.2	23.0	23.0	24.0	24.0	24.2	24.2
IV 2500		9.6	11.9	16.6	20.1	20.1	21.9	22.5	23.0	24.0	26.0	26.0	27.0	27.0	27.0	27.0
IV 2000		10.0	12.9	18.4	22.5	22.5	24.6	25.4	25.2	29.3	30.7	30.7	30.9	30.9	30.9	30.9
IV 1800		10.0	12.9	18.4	22.5	22.5	24.6	25.4	25.2	29.3	30.7	30.7	30.9	30.9	30.9	30.9
IV 1500		11.3	14.3	20.9	25.2	25.2	27.3	28.5	28.5	33.0	34.4	34.4	34.8	34.8	34.8	34.8
IV 1200		11.9	15.2	21.9	26.2	26.2	28.7	30.3	31.1	35.0	36.7	37.1	37.3	37.3	37.3	37.3
IV 1000		13.3	17.4	25.0	29.7	29.7	32.8	34.6	35.2	40.0	41.6	42.0	42.2	42.2	42.2	42.2
IV 900		14.1	18.0	25.8	30.9	31.0	34.4	36.3	36.9	42.6	44.3	44.7	44.9	44.9	44.9	44.9
IV 800		14.8	18.9	27.3	32.8	33.4	37.3	39.3	40.2	45.1	46.8	47.2	47.4	47.4	47.4	47.4
IV 700		15.4	19.7	29.1	34.8	35.3	40.2	42.4	43.1	48.2	49.9	50.3	50.5	50.5	50.5	50.5
IV 600		15.6	20.1	30.3	36.2	37.1	42.0	44.7	45.2	50.4	52.1	52.5	52.7	52.7	52.7	52.7
IV 500		15.6	20.1	30.3	36.2	37.1	42.0	44.7	45.2	50.4	52.1	52.5	52.7	52.7	52.7	52.7
IV 400		15.6	20.1	30.3	36.2	37.1	42.0	44.7	45.2	50.4	52.1	52.5	52.7	52.7	52.7	52.7
IV 300		15.6	20.1	30.3	36.2	37.1	42.0	44.7	45.2	50.4	52.1	52.5	52.7	52.7	52.7	52.7
IV 200		15.6	20.1	30.3	36.2	37.1	42.0	44.7	45.2	50.4	52.1	52.5	52.7	52.7	52.7	52.7
IV 100		15.6	20.1	30.3	36.2	37.1	42.0	44.7	45.2	50.4	52.1	52.5	52.7	52.7	52.7	52.7
IV 0		15.6	20.1	30.3	36.2	37.1	42.0	44.7	45.2	50.4	52.1	52.5	52.7	52.7	52.7	52.7

TOTAL NUMBER OF OBSERVATIONS 488



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

24077 BAUMHOLDER GERMANY AAF

6570

EC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.4	≥0.3	≥0.2	≥0.16	≥0.1	≥0
NO CEILING		4.2	5.8	6.9	7.6	7.6	8.4	8.4	8.4	9.1	9.3	9.3	9.3	9.3	9.3	9.3
≥ 20000		5.1	6.9	8.4	9.3	9.3	10.2	10.2	10.4	11.1	11.3	11.3	11.3	11.3	11.3	11.3
IV 18000		5.1	6.9	8.4	9.3	9.3	10.2	10.2	10.4	11.1	11.3	11.3	11.3	11.3	11.3	11.3
IV 16000		5.1	6.9	8.4	9.3	9.3	10.2	10.2	10.4	11.1	11.3	11.3	11.3	11.3	11.3	11.3
IV 14000		5.1	6.9	8.4	9.3	9.3	10.2	10.2	10.4	11.1	11.3	11.3	11.3	11.3	11.3	11.3
IV 12000		5.3	7.2	8.9	9.8	9.8	10.7	10.7	10.9	11.6	11.8	11.8	11.8	11.8	11.8	11.8
IV 10000		5.3	7.6	9.1	10.0	10.0	10.9	10.9	11.1	12.0	12.2	12.2	12.2	12.2	12.2	12.2
900		5.3	7.6	9.1	10.0	10.0	10.9	10.9	11.1	12.0	12.2	12.2	12.2	12.2	12.2	12.2
IV 8000		5.6	7.6	10.0	11.1	11.1	12.0	12.0	12.2	13.9	13.6	13.6	13.6	13.6	13.6	13.6
IV 7000		6.2	8.4	11.1	12.4	12.4	13.3	13.8	14.0	15.6	15.8	15.8	15.8	15.8	15.8	15.8
IV 6000		6.2	8.4	11.1	12.4	12.4	13.3	13.8	14.0	15.6	15.8	15.8	15.8	15.8	15.8	15.8
IV 5000		6.2	8.4	11.1	12.4	12.4	13.3	13.8	14.0	15.6	15.8	15.8	15.8	15.8	15.8	15.8
IV 4500		6.2	8.4	12.2	13.6	13.6	14.7	14.9	15.1	17.3	17.6	18.0	18.0	18.0	18.0	18.0
IV 4000		6.4	8.9	12.7	14.4	14.4	16.2	16.7	16.9	19.1	19.6	19.8	19.8	19.8	19.8	19.8
IV 3500		6.9	8.9	12.7	14.7	15.1	16.7	17.1	17.3	19.6	20.0	20.2	20.2	20.2	20.2	20.2
IV 3000		6.7	9.3	14.0	16.7	17.1	19.3	19.3	20.0	23.6	24.0	24.2	24.2	24.2	24.2	24.2
IV 2500		8.0	11.6	15.9	20.0	20.6	22.7	23.1	23.3	26.9	27.3	27.6	27.6	27.6	27.6	27.6
IV 2000		8.7	12.2	17.6	20.7	21.1	23.6	24.2	24.4	29.3	29.6	29.9	29.9	29.9	29.9	29.9
IV 1800		3.9	12.4	18.2	21.3	21.8	24.2	24.9	25.1	29.9	29.9	29.9	29.9	29.9	29.9	29.9
IV 1500		12.0	16.2	22.0	25.1	25.8	28.4	29.3	29.6	33.8	34.2	34.4	34.4	34.4	34.4	34.4
IV 1200		15.1	20.0	25.7	30.2	30.9	34.2	35.0	35.0	40.7	41.3	41.6	41.6	41.6	41.6	41.6
IV 1000		15.6	20.9	26.4	32.4	32.7	36.7	37.3	37.7	44.9	45.6	45.8	45.8	45.8	45.8	45.8
IV 900		15.0	21.8	29.6	33.8	35.1	38.9	41.1	41.6	47.8	48.4	48.7	48.7	48.7	48.7	48.7
IV 800		17.3	23.3	31.6	36.0	36.4	42.1	43.6	43.8	51.1	51.8	52.0	52.0	52.0	52.0	52.0
IV 700		17.6	23.6	33.1	38.0	40.7	45.8	46.9	47.8	57.8	58.9	59.1	59.1	59.1	59.1	59.1
IV 600		17.6	23.6	33.1	38.2	41.1	46.2	47.7	52.0	61.1	62.7	62.9	62.9	62.9	62.9	62.9
IV 500		17.6	23.6	33.3	39.1	42.0	47.8	52.2	54.0	66.2	70.7	70.9	70.9	70.9	70.9	70.9
IV 400		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	71.6	75.6	80.0	80.4	80.4	80.4	80.4
IV 300		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	81.8	84.9	85.3	86.0	86.7	86.7
IV 200		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	83.8	86.2	86.2	86.2	91.2	92.3
IV 100		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	83.8	86.4	86.4	86.4	92.2	93.6
0		17.6	23.6	33.3	39.1	42.0	48.0	52.9	55.1	73.3	83.8	86.4	86.4	86.4	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 430

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

36077 STATION BAUMHOLDEK GERMANY AAF

65-70 YEAR

EC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.7	≥.6	≥.5	≥.4	≥.3
NO CEILING																
IV 20000	2.6	5.4	6.4	7.4	7.9	8.7	8.9	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
IV 18000	2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 16000	2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 14000	2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 12000	3.1	6.9	8.2	9.4	9.9	10.7	11.2	11.2	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
IV 10000	3.3	7.1	8.4	9.7	10.2	11.0	11.5	11.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
IV 9000	3.8	7.7	8.9	10.2	10.7	11.5	12.0	12.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
IV 8000	4.6	8.4	10.5	11.7	12.2	13.0	13.8	13.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 7000	4.8	8.7	10.7	12.5	13.0	13.8	14.8	14.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 6000	4.8	8.7	10.7	12.5	13.0	13.8	14.8	14.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 5000	4.8	8.9	11.0	12.8	13.3	14.0	14.8	14.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
IV 4500	4.8	8.9	11.2	13.0	13.5	14.3	15.1	15.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
IV 4000	4.8	8.9	11.2	13.5	14.0	15.2	16.1	16.1	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
IV 3500	5.1	9.2	12.0	14.3	15.1	16.3	17.3	17.3	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
IV 3000	5.6	9.9	13.5	16.1	16.8	18.9	20.2	20.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
IV 2500	7.4	12.2	16.1	19.1	19.9	21.9	23.2	23.2	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
IV 2000	9.2	14.3	18.1	21.2	21.9	24.2	25.8	25.8	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 1800	9.2	14.3	18.1	21.2	21.9	24.2	25.8	25.8	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 1500	10.5	16.3	20.7	24.0	24.7	27.8	29.3	29.3	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
IV 1200	11.2	17.1	22.2	25.8	26.3	30.9	32.7	32.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV 1000	11.7	18.1	23.5	27.0	27.1	32.7	34.4	34.4	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
IV 900	12.0	18.8	24.0	27.8	28.6	33.7	35.7	35.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
IV 800	12.0	18.9	24.2	28.3	29.9	34.9	37.3	37.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 700	12.5	19.4	24.9	30.9	31.9	38.3	40.8	42.2	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 600	12.5	19.4	24.9	31.1	32.1	39.0	42.9	44.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 500	12.5	19.4	24.9	31.6	32.1	40.2	43.7	46.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
IV 400	12.5	19.4	24.9	31.6	33.2	41.1	46.9	50.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 300	12.5	19.4	24.9	31.6	33.2	41.1	47.4	51.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 200	12.5	19.4	24.9	31.6	33.2	41.1	47.4	51.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 100	12.5	19.4	24.9	31.6	33.2	41.1	47.4	51.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 0	12.5	19.4	24.9	31.6	33.2	41.1	47.4	51.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34077  
 STATION

BAUMHOLDEK GERMANY AAF  
 STATION NAME

65-70  
 YEAR

EC  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 TIME PERIOD

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING		2.6	5.4	6.4	7.4	7.9	8.7	8.9	8.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
≥ 20000		2.6	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 18000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 16000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 14000		2.8	6.6	7.9	9.2	9.7	10.5	11.0	11.0	12.2	12.2	12.2	12.2	12.2	12.2	12.2
IV 12000		3.1	6.9	8.2	9.4	9.9	10.7	11.2	11.2	12.5	12.5	12.5	12.5	12.5	12.5	12.5
IV 10000		3.3	7.1	8.4	9.7	10.2	11.0	11.5	11.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8
IV 9000		3.8	7.7	8.9	10.2	10.7	11.5	12.0	12.0	13.3	13.3	13.3	13.3	13.3	13.3	13.3
IV 8000		4.6	8.4	10.5	11.7	12.2	13.0	13.8	13.8	15.1	15.1	15.1	15.1	15.1	15.1	15.1
IV 7000		4.8	8.7	10.7	12.3	13.0	13.8	14.5	14.5	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 6000		4.8	8.7	10.7	12.3	13.0	13.8	14.5	14.5	15.8	15.8	15.8	15.8	15.8	15.8	15.8
IV 5000		4.8	8.9	11.0	12.5	13.2	14.0	14.8	14.8	16.1	16.1	16.1	16.1	16.1	16.1	16.1
IV 4500		4.8	8.9	11.2	13.0	13.5	14.2	15.1	15.1	17.1	17.1	17.3	17.3	17.3	17.3	17.3
IV 4000		4.8	8.9	11.2	13.3	14.2	15.2	16.1	16.1	18.4	18.4	18.6	18.6	18.6	18.6	18.6
IV 3500		5.1	9.2	12.0	14.2	15.1	16.2	17.3	17.3	19.6	19.6	19.9	19.9	19.9	19.9	19.9
IV 3000		5.6	9.9	13.5	16.1	16.7	18.9	20.2	20.2	22.2	22.2	22.5	22.5	22.5	22.5	23.5
IV 2500		7.4	12.2	16.1	19.1	19.7	21.9	23.2	23.2	26.3	26.3	26.8	26.8	26.8	26.8	26.8
IV 2000		9.2	14.3	18.1	21.2	21.7	24.2	25.8	25.8	29.1	29.3	29.6	29.6	29.6	29.6	29.6
IV 1800		9.2	14.3	18.1	21.3	21.7	24.5	26.0	26.0	29.8	30.1	30.4	30.4	30.4	30.4	30.4
IV 1500		10.5	16.3	20.7	24.0	24.7	27.8	29.2	29.2	33.2	33.4	33.7	33.7	33.7	33.7	33.7
IV 1200		11.2	17.1	22.2	25.8	26.3	30.9	32.7	32.7	36.3	36.5	36.8	36.8	36.8	36.8	36.8
IV 1000		11.7	18.1	23.5	27.0	27.8	32.7	34.4	34.9	41.2	42.1	42.3	42.6	42.6	42.6	42.6
IV 900		12.0	18.6	24.0	27.8	28.6	33.7	35.7	36.7	43.6	44.9	44.9	45.2	45.2	45.2	45.2
IV 800		12.0	18.9	24.2	28.2	29.2	34.9	37.5	38.9	46.9	48.2	48.5	48.7	48.7	48.7	48.7
IV 700		12.9	19.4	26.3	30.9	31.9	38.3	40.8	42.3	51.0	52.1	52.3	54.1	54.1	54.1	54.1
IV 600		12.9	19.4	26.5	31.1	32.1	39.0	42.9	44.9	54.1	56.1	56.4	57.1	57.1	57.1	57.1
IV 500		12.9	19.4	26.9	31.6	32.7	40.1	45.7	48.9	62.0	67.6	68.1	68.9	68.9	68.9	68.9
IV 400		12.9	19.4	26.9	31.6	33.2	41.1	46.9	50.0	65.1	71.9	72.4	74.0	74.0	74.0	74.0
IV 300		12.9	19.4	26.9	31.6	33.2	41.1	47.4	50.9	67.7	76.9	77.5	80.4	80.4	81.1	81.1
IV 200		12.9	19.4	26.9	31.6	33.2	41.1	47.4	51.3	68.6	78.8	81.9	85.7	90.1	90.3	91.8
IV 100		12.9	19.4	26.9	31.6	33.2	41.1	47.4	51.3	68.6	78.8	81.9	85.7	90.8	92.9	96.7
IV 0		17.3	19.4	26.5	31.6	33.2	41.1	47.4	51.3	68.6	78.8	81.9	85.7	90.8	92.9	100.0

TOTAL NUMBER OF OBSERVATIONS

392

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

34077 BACHMOLDER GERMANY AAF  
STATION STATION NAME

65

EC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

146X=2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	>2½	≥2	≥1½	≥1.4	≥1	≥¾	≥½	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000					3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	7.4	7.4	7.4	
IV 18000 IV 16000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	
IV 14000 IV 12000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	
IV 10000 IV 9000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	
IV 8000 IV 7000					3.7	3.7	7.4	11.1	11.1	11.1	18.5	18.5	18.5	18.5	18.5	
IV 6000 IV 5000					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	
IV 4500 IV 4000					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	
IV 3500 IV 3000					7.4	7.4	11.1	14.8	14.8	14.8	22.2	22.2	22.2	22.2	22.2	
IV 2500 IV 2000					3.7	11.1	11.1	14.8	18.5	18.5	25.9	25.9	25.9	25.9	25.9	
IV 1800 IV 1500		3.7	3.7	7.4	14.8	14.8	22.2	25.9	25.9	25.9	33.3	33.3	33.3	33.3	33.3	
IV 1200 IV 1000		3.7	3.7	7.4	14.8	18.5	25.9	29.6	29.6	29.6	37.0	37.0	37.0	37.0	37.0	
IV 900 IV 800		3.7	3.7	7.4	14.8	18.5	25.9	29.6	29.6	29.6	37.0	37.0	37.0	37.0	37.0	
IV 700 IV 600		3.7	3.7	7.4	14.8	18.5	25.9	29.6	29.6	33.3	40.7	40.7	40.7	40.7	40.7	
IV 500 IV 400		3.7	3.7	7.4	14.8	18.5	37.0	40.7	40.7	59.9	70.4	70.4	70.4	70.4	70.4	
IV 300 IV 200		3.7	3.7	7.4	14.8	18.5	40.7	48.1	48.1	66.7	77.8	77.8	81.5	81.5	81.5	
IV 100 IV 0		3.7	3.7	7.4	14.8	18.5	40.7	48.1	48.1	66.7	85.2	85.2	92.6	92.6	92.6	

TOTAL NUMBER OF OBSERVATIONS 27

## 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 DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

34077 BAUMHOLDER GERMANY AAF

65-70

ALL

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		
JAN	ALL	4.1	1.3	2.3	3.0	3.1	1.9	2.2	2.8	3.9	5.3	70.8	5.5	1790
FEB		6.3	2.6	1.3	2.1	2.9	2.7	2.1	1.8	5.8	6.3	66.3	6.3	2103
MAR		8.3	3.3	1.4	2.4	2.7	2.2	2.8	3.2	8.7	8.3	57.5	7.9	2197
APR		8.9	2.3	1.4	3.9	3.3	3.0	4.2	1.2	3.6	10.2	31.9	7.7	2237
MAY		3.0	3.0	1.7	4.7	4.0	4.2	4.6	3.0	11.7	12.2	45.9	7.7	2389
JUN		3.8	14.2	1.7	12.9	4.6	7.6	3.2	1.6	6.6	9.1	31.8	6.0	2402
JUL		6.6	3.9	1.2	4.2	4.1	3.3	3.0	3.4	10.0	12.8	44.3	7.5	2342
AUG		4.1	3.1	1.2	2.8	4.8	1.0	3.7	2.9	7.9	9.8	36.8	6.1	2372
SEP		9.4	3.6	3.0	2.9	4.2	4.3	3.2	2.8	13.5	17.6	37.1	7.2	2269
OCT		9.5	4.4	1.8	3.2	3.3	3.2	3.1	1.9	6.4	6.1	55.3	7.6	2313
NOV		7.4	2.3	1.8	1.7	3.3	3.4	1.8	1.0	4.7	5.6	68.8	6.3	2090
DEC		5.6	1.8	1.6	1.9	1.9	1.3	2.4	1.8	4.1	4.3	76.6	6.8	1937
TOTALS		6.8	3.8	1.8	3.9	3.8	3.6	3.0	1.9	7.7	9.2	35.3	7.2	26451







DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

94077 BAUMHOLDER GERMANY AAF

65-70

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02													
	02-05	9.7	3.0	5.6	4.2	3.5	1.2	1.2	1.2	7.9	4.8	60.6	7.7	165
	06-08	7.6	3.3	1.0	2.5	1.7	2.7	2.7	1.2	6.6	7.4	63.0	8.1	314
	09-11	7.8	3.5	.8	1.8	2.5	2.7	3.1	1.4	9.8	9.2	57.4	8.0	312
	12-14	5.8	1.7	.8	2.3	2.5	4.8	4.1	3.1	10.6	11.0	52.3	8.1	482
	15-17	7.4	3.5	1.7	1.9	2.3	1.9	3.6	1.7	10.8	12.1	51.1	7.8	462
	18-20	11.3	4.8	3.2	1.6	1.6			4.8	6.3	6.3	59.7	7.6	62
	21-23													
TOTALS		8.3	3.5	1.4	3.0	3.7	3.3	3.8	3.2	9.7	9.3	57.3	7.9	2197

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34077 BAUMHOLDER GERMANY AAF

65-70

APR

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
APR	00-02													
	03-05	13.6	.6	4.1	3.6	3.0	1.2	1.2		5.9	5.3	58.6	7.5	169
	06-08	13.7	3.3	1.4	4.1	3.9	1.3	4.6	.6	5.6	7.9	33.4	7.2	517
	09-11	8.9	4.1	.6	3.9	3.3	4.6	3.3	2.1	9.7	10.2	49.2	7.5	518
	12-14	5.2	3.2	.6	2.8	1.8	3.8	3.8	2.0	14.7	12.0	48.0	7.9	498
	15-17	5.0	1.9	1.3	3.6	4.4	5.0	6.7	2.8	10.3	10.3	48.8	7.8	477
	18-20	6.9	1.7		3.2	3.4	1.7	3.4		8.6	13.5	33.4	8.0	58
	21-23													
TOTALS		8.9	2.5	1.4	3.9	3.3	3.0	4.2	1.2	9.6	10.2	31.9	7.9	2237

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

34077 BAUMHOLDER GERMANY AAF

65-70

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02													
	03-05	10.7	5.1	2.2	4.5	2.2	1.7	1.7	1.7	9.6	10.7	50.0	7.3	178
	06-08	7.9	5.2	1.5	5.6	4.7	3.7	4.5	2.2	7.5	9.5	47.7	7.3	535
	09-11	2.8	3.0	1.9	4.1	5.0	5.6	4.3	3.7	12.8	15.6	41.5	7.8	540
	12-14	2.4	.9	1.7	3.4	3.9	7.3	5.8	2.2	15.6	15.5	41.3	7.9	537
	15-17	1.5	2.4	1.5	4.3	3.5	5.0	8.0	3.4	13.4	11.9	45.1	7.9	537
	18-20	4.8	1.9	1.6	6.5	4.8	1.6	3.2	4.8	11.3	9.7	50.0	7.8	62
	21-23													
TOTALS		59.0	39.0	16.7	46.7	49.0	46.2	49.6	39.0	116.7	122.2	456.9	7.7	2389

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

34077 BAUMHÖDER GERMANY AAF

65470

JUN

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
JUN	00-02		33.3		33.3		33.3						3.0	3
	03-05	12.2	8.3	1.6	3.9	6.1	6.1	2.2	.6	7.7	3.0	47.5	6.7	181
	06-08	12.2	4.4	2.0	4.6	3.9	3.3	2.8	2.4	8.9	6.8	44.6	6.9	340
	09-11	5.6	4.3	.9	3.5	6.7	4.6	3.0	2.6	10.4	13.0	41.4	7.3	539
	12-14	3.5	2.4	.6	3.2	4.5	9.3	3.2	1.9	11.9	21.7	38.8	7.9	539
	15-17	4.5	2.6	.9	3.6	7.2	6.9	6.9	1.7	9.1	10.8	43.9	7.5	538
	18-20	8.3	8.3	8.3	6.7	6.7		3.3	3.3	3.0	11.7	38.3	6.4	60
	21-23		50.0		50.0								2.0	2
TOTALS		5.8	14.2	1.7	13.9	4.6	7.6	3.2	1.6	6.6	9.1	31.6	6.0	2402

DATA PROCESSING DIVISION  
 RTAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34077 BAUMHOLDER GERMANY AAF

65-70

JUL

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			
JUL	00-02														
	03-05	11.3	4.5	1.1	5.6	2.8	5.6	2.8	1.7	7.3	9.0	48.0	7.1	177	
	06-08	12.1	4.7	1.1	5.1	4.7	4.0	2.8	2.3	7.0	12.9	43.3	7.0	529	
	09-11	7.0	5.3	1.1	3.8	5.3	7.5	4.5	2.8	9.1	13.6	40.0	7.2	530	
	12-14	3.4	4.8	.8	3.6	4.8	5.2	7.5	3.1	13.4	14.9	38.7	7.6	522	
	15-17	4.2	4.2	1.3	5.7	5.4	7.3	5.0	2.3	10.3	16.9	37.4	7.4	522	
	18-20	1.8		1.6	1.6	1.6	3.2	1.6	8.1	12.9	9.7	58.1	8.7	62	
	21-23														
TOTALS		64.8	37.9	16.2	44.2	41.1	50.5	47.0	30.4	107.0	123.8	447.3	7.5	2942	

DATA PROCESSING DIVISION  
 WTAC/USAF  
 AIR WEATHER SERVICE/MAC

SKY COVER

34077 BAUMHÖLDER GERMANY A1F

65-70

AUG

STATION

STATION

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
AUG	00-02												100.0	10.0	3
	03-05	7.2	6.1	1.7	3.3	7.7	2.8	4.4	1.7	9.9	7.7	47.5	7.3	181	
	06-08	9.0	6.0	1.7	4.1	4.7	5.4	3.0	2.1	8.0	11.0	45.1	7.1	536	
	09-11	3.4	5.2	1.5	3.9	5.8	7.9	4.3	2.6	10.1	14.8	40.6	7.5	595	
	12-14	2.7	2.1	.2	3.8	3.4	6.1	5.6	3.3	13.6	19.3	37.9	7.8	522	
	15-17	3.5	2.3	1.2	6.2	5.3	3.6	5.6	2.3	13.1	15.6	36.9	7.5	520	
	18-20	7.2	2.9	2.9	1.4	4.3	9.3	7.2	4.3	8.7	10.1	46.4	7.5	69	
	21-23											100.0	10.0	6	
TOTALS		4.1	3.1	1.3	2.8	4.8	4.0	3.7	2.0	7.9	9.8	30.8	6.1	2372	



DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

SKY COVER

24077 BAUMHOLDBR GERMANY AAF

65-70

OCT

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
OCT	00-02													
	03-05	8.0	4.0	1.7	1.7	3.4	2.9	1.1	2.9	7.4	9.7	57.1	7.9	175
	06-08	7.2	1.9	.9	3.6	1.9	3.8	1.9	1.5	6.6	7.0	63.8	8.2	530
	09-11	7.9	3.4	1.5	2.1	2.8	4.3	3.2	1.3	6.2	9.2	56.4	7.7	534
	12-14	8.6	3.1	.4	3.3	3.9	3.9	3.5	2.5	7.2	11.9	49.6	7.5	512
	15-17	9.4	3.6	1.8	4.0	4.6	2.8	2.2	1.4	8.0	7.4	54.8	7.5	500
	18-20	16.1	6.5	1.6	4.8	3.2	3.2	6.5	1.6	3.2	3.2	30.0	6.6	62
	21-23													
TOTALS		9.5	4.6	1.8	3.3	3.3	3.2	3.1	1.9	6.6	8.1	38.3	7.6	2315





DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

# SKY COVER

34077 BAUMHOLDER GERMANY AAF

65-70

DEC  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02													
	03-05	10.5	.5	3.6	2.4	2.4	1.6	.8	1.6	5.6	4.0	68.5	8.1	124
	06-08	6.4	1.3	.9	2.4	2.1	2.6	1.5	.6	3.6	5.6	78.1	8.5	468
	09-11	5.3	.8		2.7	1.8	1.6	1.8	.6	3.3	5.7	76.2	8.8	487
	12-14	4.0	.4	.7	.9	.2	.9	1.6	1.3	4.2	6.2	79.5	9.1	449
	15-17	3.8	1.5	.5	.5	1.3	1.0	1.3	.8	4.1	4.3	80.9	9.1	352
	18-20	3.7				3.7		7.4		3.7		81.5	9.0	27
	21-23													
TOTALS		56.6	8.8	6.0	17.8	17.9	17.3	27.4	6.8	47.1	47.3	767.3	8.8	1947

DATA PROCESSING DIVISION  
ETAC/USAF  
AIR WEATHER SERVICE (MAC)  
ASHEVILLE, NORTH CAROLINA

## 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 presentation 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 deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature

DATA NOT AVAILABLE
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures less than a full month is reported.  
DATA NOT AVAILABLE
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 all 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 .7 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provide for each dry-bulb temperature interval 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 require two pages in some cases.

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 tabulations 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 available are combined. Tables are prepared for the following:
- Dry-bulb temperature
  - Wet-bulb temperature
  - 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.
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - 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 DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

04077 BAUMHOLTER GERMANY AAF

55-70

ALL  
 MONTH

PAGE 1

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 Point														
90/ 89																																	3	3			
88/ 87																																	5	5			
86/ 85																																		25	25		
84/ 83																																		60	60		
82/ 81																																		96	96		
80/ 79																																		157	157		
78/ 77																																		176	176		
76/ 75																																		286	286		1
74/ 73																																		337	337		
72/ 71																																		415	415		15
70/ 69																																		565	565		93
68/ 67																																		671	671		187
66/ 65																																		783	783		310
64/ 63																																		899	899		454
62/ 61																																		982	982		513
60/ 59																																		1254	1254		1220
58/ 57																																		1410	1410		1340
56/ 55																																		1495	1495		1560
54/ 53																																		1356	1356		1667
52/ 51																																		1289	1289		1677
50/ 49																																		1352	1352		1815
48/ 47																																		1102	1102		1715
46/ 45																																		1124	1124		1405
44/ 43																																		1119	1119		1243
42/ 41																																		1145	1145		1246
40/ 39																																		1148	1148		1260
38/ 37																																		1097	1097		1191
36/ 35																																		1087	1087		1281
34/ 33																																		1151	1151		1265
32/ 31																																		997	997		1353
30/ 29																																		759	759		981
28/ 27																																		598	598		702
26/ 25																																		456	456		455
24/ 23																																		374	374		388
Element (X)	Zx <sup>2</sup>	Zy	X	Y	No. Obs.	Mean No. of Hours with Temperature																															
Rel Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

1 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/4AC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

ALL MONTH

PAGE 2

ALL HOURS

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 Point												
22/ 21	.5	.4																												240	240	304	442				
20/ 19	.3	.3		.0																										150	158	164	279				
18/ 17	.3	.2																												113	117	142	194				
16/ 15	.1	.1																												56	65	64	164				
14/ 13	.1	.1																												66	72	65	109				
12/ 11	.1	.1																												35	38	47	84				
10/ 9	.0	.0																												11	13	16	45				
8/ 7	.0	.0																												1	1	1	36				
6/ 5	.0	.0																												3	3	3	9				
4/ 3	.0	.0																												4	4	3	2				
2/ 1																																	1	1			
0/ 0																																		3	3		
-2/ -3																																		4	4		
-4/ -5																																		1	1		
TOTAL	14.8	36.2	16.2	10.9	8.8	5.7	3.7	2.2	.9	.4	.2	.0																							26463	26463	26463

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.	168473773	2065515	78.116	557	26463							8760
Dry Bulb	57480184	1282744	48.414	243	26494		1414.9	871.3	336.3	84.6		8760
Wet Bulb	56332717	1181327	44.611	660	26463		1694.3	93.0	.6			8760
Dew Point	48098661	1088233	41.111	247	26463		3.123	41.6	3.2			8760

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF  
STATION STATION NAME

66-70  
YEARS

JAN  
MONTH

PAGE 1 ALL  
HOURS

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.	Wet Bulb	Dew Pt.	Total													
52/51			.3	.3	.1																								6	6					
50/49			.3	.3	.2																								7	7					
48/47	.1	.7	.3	.2	.1																							25	25	3	.2				
46/45	.7	1.0	.6	.1																								43	43	39	.24				
44/43	.3	2.0	.7																									37	37	45	.19				
42/41	1.7	3.9	.7	.1																								113	113	99	.66				
40/39	1.8	6.0	.8																									131	131	123	.57				
38/37	1.8	8.1	1.3	.2																								202	202	162	1.49				
36/35	1.8	5.6	.7																									143	143	180	1.70				
34/33	2.9	5.0	.1																									142	142	169	1.40				
32/31	3.3	4.4	.4																									144	144	163	1.86				
30/29	3.0	4.1	.3																									166	166	174	1.60				
28/27	3.4	1.9																										129	129	149	1.47				
26/25	2.3	2.4	.1																									84	84	75	1.27				
24/23	1.5	3.7	.2																									94	94	82	.84				
22/21	2.5	1.6																										73	73	97	.69				
20/19	1.9	1.4																										58	66	58	.78				
18/17	1.3	1.1																										42	48	45	.67				
16/15	.5	.6																										20	25	23	.48				
14/13	.8	1.2																										37	40	35	.33				
12/11	.5	.3																										14	17	24	.26				
10/9	.2	.1																										5	7	5	.22				
8/7	.3	.1																										7	8	8	.27				
6/5	.1	.1																										3	3	3	.17				
4/3	.1	.1																										4	4	3	.5				
2/1																															1	.1			
0/0																																2	.2		
-2/-3																																2	.2		
-4/-5																																1	.1		
TOTAL	37.1	55.4	6.4	1.0	.1																								1769	1794	1769	1769			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	14124221	137291	88.9	8.856	1769	$\leq 0$ F	$\leq 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	744
Dry Bulb	1921263	36603	31.6	8.689	1769		375.3					744
Wet Bulb	1798245	34811	30.8	8.187	1769		398.1					744
Dew Point	1609193	30949	28.8	8.936	1769	2.1	463.5					744

USAFETAC FORM 04 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BALMOLDER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

FEB  
MONTH

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. WB	Dry Bulb	Wet Bulb	Dew Pt.													
56/55					.0	.2	.1													3	3														
54/53					.0	.2	.1													6	6														
52/51			.1	.5	.5	.0														25	25														
50/49		.2	.6	.4	.0															27	27														
48/47	.2	1.1	.8	.3																57	57	23	8												
46/45	.9	1.9	1.0	.7	.1															96	96	86	37												
44/43	1.6	3.7	1.5	.6																156	156	116	81												
42/41	1.7	2.4	1.1	.6																123	123	152	112												
40/39	1.2	3.1	1.3	.3	.1															127	127	122	118												
38/37	.8	4.6	.6	.4																138	138	124	100												
36/35	2.3	5.7	1.4	.3																205	205	190	161												
34/33	3.1	7.0	2.2	.1																262	262	229	198												
32/31	2.3	6.4	.8																	198	198	250	212												
30/29	2.4	4.4	.5																	153	153	207	203												
28/27	2.8	3.9	.2																	143	143	174	174												
26/25	2.2	3.2																		114	114	112	159												
24/23	2.3	2.8																		105	106	125	166												
22/21	1.2	1.7																		60	60	68	130												
20/19	.7	.7																		27	29	42	84												
18/17	1.1	.6																		36	36	39	52												
16/15	.7	.2																		19	21	22	47												
14/13	.2	.0																		6	6	7	23												
12/11	.2	.2																		8	8	5	20												
10/9	.1	.0																		4	4	8	7												
8/7	.0	.0																		2	2	2	2												
6/5																							4												
4/3																							3												
2/1																							1												
0/-1																							1												
TOTAL	28.1	53.9	12.3	4.5	1.0	.2														2103	2103	2103	2103												
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No of Hours with Temperature						Total																							
Rel. Hum.	15786834	180744	86.0	10.775	2103	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	672																							
Dry Bulb	2566741	71461	33.9	8.180	2103		280.9					672																							
Wet Bulb	2341274	68354	32.5	7.542	2103		339.0					672																							
Dew Point	2030931	63129	30.0	8.040	2103	.3	411.6					672																							

USAFETAC FORM 728A JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BALMOLDER GERMANY AAF

65-70

AP

STATION

STATION NAME

YEARS

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.S.	WB	Dry Bulb	Wet Bulb	Rel. Hum.	Total																		
72/ 71							.1																											3	3							
70/ 69							.0																												4	4						
68/ 67							.0																												3	3						
66/ 65							.0																												3	3						
64/ 63							.0				.2	.1																							7	7						
62/ 61						.0	.1			.3																									10	10						
60/ 59					.0	.4				.1	.0	.0																							13	13		2				
58/ 57					.2	.3				.1	.0																								13	13		5				
56/ 55					.3	.3				.4																									23	23		5				
54/ 53			.1		.5	.5				.1	.1																								28	28		11				
52/ 51			.4		.7	.5				.2	.1																								40	40		25				
50/ 49		.5	1.2		1.1	.5				.1	.1																								79	79		16				
48/ 47	.3	1.4	2.1		1.2	.7				.2																									129	129		67				
46/ 45	.4	2.5	2.6		2.1	.5				.0	.1																								169	169		63				
44/ 43	.7	3.3	2.7		1.4	.6				.0	.2																								197	197		96				
42/ 41	.7	4.5	3.3		1.2	.1				.3	.1																								225	225		117				
40/ 39	1.5	4.4	3.6		.5	.2				.0																									225	225		187				
38/ 37	1.5	5.0	1.8		1.1	.0																													210	210		205				
36/ 35	1.2	5.0	2.2		.4																														195	195		227				
34/ 33	1.1	4.7	1.7		.2																														169	169		242				
32/ 31	1.5	4.4	1.0																																145	145		244				
30/ 29	1.0	3.3	.9																																106	106		197				
28/ 27	1.4	2.1	.1																																51	51		148				
26/ 25	1.3	1.0																																	51	51		153				
24/ 23	.4	.7			.0																														26	26		134				
22/ 21	.3	.3																																	12	12		64				
20/ 19	.1	.2			.0																														3	3		32				
18/ 17	.1	.0																																	3	3		15				
16/ 15		.1																																	2	4		13				
14/ 13	.2	.2																																	8	8		8				
12/ 11	.1	.2																																	7	7		5				
10/ 9																																						1	1		3	
8/ 7		.0																																		1	1		5			
6/ 5																																							6	6		
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	Total																														
Dry Bulb																																										
Wet Bulb																																										
Dew Point																																										

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

1 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077

BAUMHOLDER GERMANY AAF

65-70

4AP

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

NO. OF DAYS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D. B. W.B	Dry Bulb	Wet Bulb	Dew Point																		
4/ -3																																							1
-2/ -3																																						2	
TOTAL	13,944	4,222	4,112	2,408	2,201	1,014																															2199	2199	2199
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	X̄	*x	No. Obs.	Mean No. of Hours with Temperature										Total																							
Rel. Hum.	14316747	174507	79,414	597	2199	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				744																								
Dry Bulb	3512573	85993	39,18,330		2201		154,1	3.4							744																								
Wet Bulb	3014867	79977	36,46,949		2199		218,6								744																								
Dew Point	2473601	71979	32.7	7.313	2199	.7	348.8						744																										

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077 BA H-GLODER GERMANY AAF

65-70

APR

STATION

STATION NAME

YEARS

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. WB	Dry Bulb	Wet Bulb	Dew Pt.																	
80/79																																				1	1			
78/77																																				3	3			
76/75																																				2	2			
74/73																																					4	4		
72/71																																					7	7		
70/69																																					15	15		
68/67																																					24	24		
66/65																																					30	30		1
64/63																																					36	36		1
62/61																																					42	42		6
60/59																																					50	50		1
58/57																																					51	51		1
56/55																																					93	93		1
54/53																																					125	126		11
52/51																																					151	151		12
50/49																																					194	194		42
48/47																																					182	182		115
46/45																																					203	203		210
44/43																																					194	194		176
42/41																																					202	202		162
40/39																																					186	186		226
38/37																																					148	148		172
36/35																																					94	94		194
34/33																																					85	85		192
32/31																																					55	55		188
30/29																																					34	34		165
28/27																																					13	13		134
26/25																																					5	5		94
24/23																																					2	2		84
22/21																																								29
20/19																																							7	
TOTAL	6.2	32.2	21.1	14.6	12.3	6.6	3.2	2.0	.9	.5	.4	.0																								2242	2242		2242	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total																													
Rel. Hum.	12370758	161560	72.1	18.032	2242	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																													
Dry Bulb	4973157	103637	46.2	9.025	2242		35.0	18.3	3.5			720																												
Wet Bulb	4013113	93619	41.8	6.808	2242		71.0					720																												
Dew Point	3145414	82330	36.7	7.337	2242		225.1					720																												

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAA

PSYCHROMETRIC SUMMARY

34077 BA MOLDER GERMANY AAF 65-7  
 STATION STATION NAME YEARS DAY MONTH ALL  
 DATE 1 HOUR 5

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 Point										
86/85																									1	1											
84/83																									4	4											
82/81																									3	3											
80/79												.1	.1	.2	.2									13	13												
78/77												.3	.3	.4	.4									24	24												
76/75												.3	.4	.4	.3	.1								31	31												
74/73											.4	.4	.5	.5	.1									43	43												
72/71								.2	.3	.3	.3	.3	.3	.1	.0									47	47												
70/69					.0	.1		.4	.4	.4	.4	.4	.4	.5										52	52												
68/67				.2	.6	.6	.6	.6	.5	.3														69	69		1										
66/65			.1	.3	.7	1.0	.9	.8	.1															91	91		8										
64/63			.1	.5	.5	1.0	1.3	.4	.2	.1														94	94		12										
62/61			.1	.8	.8	1.6	1.9	.6	.2	.1														112	112		51										
60/59		.1	.7	1.4	2.2	1.9	1.6	.2	.1															180	180	110		5									
58/57		.5	1.3	1.6	2.8	1.8	1.5	.1																201	201	103		19									
56/55		1.8	1.5	2.1	1.9	1.1	.4	.0																213	210	140		42									
54/53	.1	1.2	2.3	2.3	2.1	.9	.0																	209	209	234		93									
52/51	.5	2.4	2.9	2.3	1.0	.2	.0																	222	222	259		172									
50/49	.3	4.0	2.8	1.8	.8	.4	.1																	241	241	316		212									
48/47	.3	3.7	2.1	1.1	1.0	.1	.1																	200	200	361		263									
46/45	.6	3.6	1.1	.6	.3	.0																		149	149	307		293									
44/43	.1	2.0	.5	.3	.2																			74	74	202		313									
42/41	.2	.9	.7	.3	.2																			49	49	106		295									
40/39	.2	.6	.4	.1																				31	31	75		256									
38/37	.2	.6	.3																					25	25	49		136									
36/35	.0	.4	.0																					11	11	36		95									
34/33	.1	.1																						5	5	14		73									
32/31		.0																						1	1	3		57									
30/29		.1																						2	2	3		50									
28/27																													22								
26/25																													7								
24/23																													3								
22/21																													1								
20/19																													1								
Element (X)	Σx'	Σx	Σ	Σ'	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 0-24-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDEK GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

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	WB	Dry Bulb	Wet Bulb	Dew Point								
86/ 88																											1	1								
84/ 83																												1	1							
82/ 81																												2	2							
80/ 79																												4	4							
78/ 77																												4	4							
76/ 75																												6	6							
74/ 73																												8	8							
72/ 71																												9	9							
70/ 69																												14	14							
68/ 67																												14	14							
66/ 65																												17	17							
64/ 63																												21	21							
62/ 61																												18	18							
60/ 59																												19	19							
58/ 57																												21	21							
56/ 55																												20	20							
54/ 53																												20	20							
52/ 51																												13	13							
50/ 49																												11	11							
48/ 47																												5	5							
46/ 45																												3	3							
44/ 43																												2	2							
42/ 41																												1	1							
40/ 39																												1	1							
38/ 37																												1	1							
36/ 35																												1	1							
34/ 33																												1	1							
32/ 31																												1	1							
30/ 29																												1	1							
TOTAL	2.3	21.2	17.0	14.3	16.0	11.3	8.3	6.1	2.2	.9	.4																	2406						2406		
																													2406						2406	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	12306466	167300	69.5	16.733	2406	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	9197598	147290	61.2	8.671	2406			195.1	80.2	20.0		720
Wet Bulb	7337393	132115	54.9	5.870	2406			13.5				720
Dew Point	6170949	120993	50.3	5.993	2406		.6					720

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/TAC

# PSYCHROMETRIC SUMMARY

94077

BAUMHOLDF GERMAN AAF

63-70

JUL

STATION

STATION NAME

YEAR

MONTH

PAGE 1

ALL

Temp (F)	WET BULB TEMPERATURE DEPRESSION (°)																															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	De. Point										
90/ 89																															1	1			
88/ 87																															3	3			
86/ 85																															2	18			
84/ 83																															23	23			
82/ 81																															48	48			
80/ 79																															62	62			
78/ 77																															53	55			
76/ 75																															73	93	1		
74/ 73																															95	95	1		
72/ 71																															117	117	12	1	
70/ 69																															134	134	46	1	
68/ 67																															137	197	87	8	
66/ 65																															148	148	120	24	
64/ 63																															169	159	131	47	
62/ 61																															165	165	255	104	
60/ 59																															217	217	278	174	
58/ 57																															243	243	235	230	
56/ 55																															232	232	291	334	
54/ 53																															154	154	281	298	
52/ 51																															103	103	229	236	
50/ 49																															69	69	177	243	
48/ 47																															35	35	141	224	
46/ 45																															14	14	46	211	
44/ 43																															4	4	13	122	
42/ 41																															1	1	2	60	
40/ 39																																		24	
38/ 37																																		11	
36/ 35																																		1	
TOTAL	3.4	20.0	17.1	14.1	14.8	11.7	9.1	5.9	2.6	.9	.3	.0																		2345	2345	2345	2345		
Element (X)	Zx'	Zx	X	X <sub>2</sub>	No. Obs	Mean No. of Hours with Temperature					Total																								
Ref. Num.	12191134	164600	70.2	16.492	2345	≤ 0 F	≤ 32 F	≤ 67 F	≤ 3 F	≥ 80 F	≥ 93	Total																							
Dry Bulb	5532279	148023	63.1	8.971	2345			250.3	127.2	41.2		744																							
Wet Bulb	7638124	133102	56.8	5.960	2345			46.6	.6			744																							
Dew Point	6520027	122897	52.4	5.614	2345			3.2				744																							

USAF ETAC FORM 0-26 5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34077 BA WÜLDER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

AUG  
MONTH

PAGE 1 ALL

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

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	Dep. P.		
90/ 89																																			2	2			
88/ 87																																			2	2			
86/ 85																																			5	5			
84/ 83																																			14	14			
82/ 79																																			23	23			
80/ 79																																			35	35			
78/ 77																																			47	47			
76/ 75																																			72	72			
74/ 73																																			53	53			
72/ 71																																			90	90		3	
70/ 69																																			135	135	36		
68/ 67																																			165	165	59		
66/ 65																																			168	168	81	11	
64/ 63																																			191	191	147	58	
62/ 61																																			232	232	207	110	
60/ 59																																			255	255	331	195	
58/ 57																																			213	213	353	287	
56/ 55																																			219	219	289	261	
54/ 53																																			135	135	240	256	
52/ 51																																			113	113	239	275	
50/ 49																																			78	78	203	303	
48/ 47																																			43	43	120	256	
46/ 45																																			27	27	39	191	
44/ 43																																			14	14	17	103	
42/ 41																																			3	3	8	44	
40/ 39																																			3	3	2	22	
38/ 37																																			1	1	2	3	
36/ 35																																						1	1
TOTAL	4.8	25.7	17.5	13.0	14.3	9.9	7.6	4.5	1.9	.6	.2																								2376	2376	2376		
Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature				Total																													
Rel. Hum.	13352028	173680	73,110,625	2376	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	744																												
Dry Bulb	9309737	147415	52,08,301	2376			213.2	89.2	19.4		744																												
Wet Bulb	7635043	134035	56,45,376	2376			30.7				744																												
Dew Point	6625844	124778	52.5, 5.344	2376							744																												



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

34077 BALMOLDER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

SEP  
MONTH

PAGE 1

ALL  
MONTH

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											
80/79								.0	.1																		4	4							
78/77								.2	.1																		8	8							
76/75						.0	.2	.3	.3																		19	19							
74/73					.2	.2	.3	.3																			23	23							
72/71				.0	.3	1.0	.4	.3																			43	43							
70/69				.2	1.2	.9	.6	.1	.1																		68	68							
68/67			.1	.9	1.1	1.5	.4	.3	.1																		95	95	6						
66/65			.4	1.9	1.6	1.5	.4	.2	.0																		137	137	26						
64/63		.1	.8	1.8	1.6	1.1	.6	.1																			140	140	35	4					
62/61		.6	1.4	1.8	1.3	1.0	.7	.0																			155	155	96	16					
60/59	.1	1.5	1.7	2.2	1.9	1.4																					199	199	166	46					
58/57	.2	3.9	2.5	3.2	2.2	.5	.0																				285	285	211	117					
56/55	1.1	2.1	2.7	2.6	.7	.0																					235	235	281	219					
54/53	1.1	3.8	3.2	1.7	.3																						227	227	318	270					
52/51	.9	4.9	2.1	.6																							193	193	518	302					
50/49	1.1	5.9	1.1	.1																							185	185	370	317					
48/47	1.4	3.3	.1																								107	107	254	365					
46/45	.7	1.4																									49	49	91	285					
44/43	.5	.5																									23	23	33	171					
42/41	.4	.7																									25	25	25	90					
40/39	.4	.3																									16	16	23	68					
38/37	.4	.1																									10	10	11	28					
36/35	.1	.1																									4	4	3	10					
34/33	.1	.0																									3	3	4	3					
32/31	.0																										1	1	2	3					
30/29																														1					
TOTAL	5.43	1.016	16.3	17.1	12.4	9.3	4.4	1.2	.2																		2275	2275	2275	2275					
Element (X)	Zx <sup>2</sup>	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	14014327	174955	76.9	15.689	2275	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	7555919	130003	57.1	7.473	2275			3	82.6	17.1		720																							
Wet Bulb	6386369	119939	52.7	5.269	2275			6	1.9			720																							
Dew Point	5596231	112223	49.3	3.154	2275			1.3				720																							

USAFETAC FORM 30 64 0-26-5 (G1 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BACHMOLDER GERMANY AAF  
 STATION STATION NAME

65-73

0CT  
 1954

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	WB	Dry Bulb	Wet Bulb	Dew Pt.														
78/77								.1											2		2																
76/75								.1											3		3																
74/73								.1	.2										6		6																
72/71							.0	.2	.1										7		7																
70/69					.0			.2	.3	.1									14		14																
68/67					.2			.3	.4	.2									29		29																
66/65			.1		.3			.3	.3	.1	.0								33		33																
64/63			.4		.7			.6	.2	.0	.1	.0							49		49	12															
62/61		.1	.5		.9			1.2	.2	.1									73		73	19	1														
60/59		1.3	2.0		1.6			.8	.2										133		133	51	11														
58/57	.2	3.5	1.9		1.9			.3	.0										183		183	112	42														
56/55	1.0	3.9	2.9		1.5			.6	.2										237		237	229	132														
54/53	1.3	4.2	2.6		1.0			.3	.1										222		222	230	207														
52/51	1.6	5.1	2.6		1.3			.6											265		265	262	221														
50/49	1.3	4.5	2.3		1.9			.9	.0										256		256	277	290														
48/47	1.4	2.5	1.7		.9			.1											155		155	213	267														
46/45	1.6	3.1	1.6		.5			.5											168		168	202	209														
44/43	1.6	2.7	1.1		.2			.1											132		132	199	161														
42/41	1.6	3.0			.2														123		123	174	164														
40/39	1.6	1.4	.7		.1			.0											88		88	127	191														
38/37	.8	1.2	.3		.1														56		56	73	142														
36/35	.4	.7	.2																30		30	50	105														
34/33	.3	.6																	21		21	33	66														
32/31	.2	.3	.0																13		13	24	37														
30/29	.2	.3																	13		13	18	30														
28/27	.1																		2		2	2	31														
26/25																							7														
24/23																							2														
22/21																							1														
20/19																							1														
TOTAL	15.1	38.4	22.1	13.8	7.1	2.3	.9	.3	.0										2312		2318	2318	2318														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	16176397	191049	82.4	13.625	2318	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	744																									
Dry Bulb	5163961	118157	51.0	7.803	2318		9.0	19.6	3.5			744																									
Wet Bulb	5452678	111340	48.0	6.722	2318		14.1					744																									
Dew Point	4900070	105292	45.4	7.116	2318		35.0					744																									

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 8A. MUELDER GERMANY AAF

63-70

ADJ

STATION

STATION NAME

YEARS

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. WB	Dry Bulb	Wet Bulb	Dew Point		
66/65							.0																						1	1					
64/63					.0																								1	1					
62/61					.1		.1																						6	6					
60/59					.2		.1																						6	6					
58/57				.2	.1		.1																						9	9		2			
56/55				.1	.4		.2																						16	16		3			
54/53	.0	.1	1.0	1.1	1.1		.1																					48	48	15	3				
52/51		.5	.8	.2	.1		.1																					33	33	17	4				
50/49	.2	1.9	1.1	.5	.0		.1																					87	82	56	36				
48/47	.3	2.3	1.5	.5	.0		.1																					97	97	75	56				
46/45	.5	4.1	1.1	.6	.1																							135	135	109	72				
44/43	1.2	4.5	2.6	.7																								190	190	156	109				
42/41	1.6	4.9	1.7	.8																								187	187	177	160				
40/39	2.1	3.8	1.9	.2	.0																							166	166	214	172				
38/37	1.5	4.4	1.3	.1																								155	155	151	174				
36/35	2.8	4.5	.9																									172	172	203	203				
34/33	4.0	5.2	.7	.0																								206	206	222	196				
32/31	4.8	5.2	.2																									214	214	254	261				
30/29	4.3	2.5																										142	142	189	263				
28/27	3.6	1.3																										103	103	105	160				
26/25	2.2	.8	.3																									68	68	65	94				
24/23	.7	.3	.3																									28	28	28	58				
22/21	.6	.1																										15	15	29	33				
20/19	.2																											4	4	4	12				
18/17	.1	.1																										4	5	4	3				
16/15																																3			
14/13	.1																											3	4	3	8				
12/11																																1			
10/9																																	1		
TOTAL	30.9	46.6	15.7	5.6	1.1	.1																							2091	2093	2091	2091			
Element (X)	Zx <sup>2</sup>	Zx	X	X <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature										Total																			
Rel. Hum.	16348510	183482	87.710	899	2091	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	3147532	79466	33.0	7,896	2091		200.6					720																							
Wet Bulb	2881382	76226	36.5	7,007	2091		234.5					720																							
Dew Point	2583681	72057	34.3	6,936	2091		311.3					720																							

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BÄRMHÖLDER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

DEC  
MONTH

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	WB	Dry Bulb	Wet Bulb	Dew Pt								
52/51			.2																						3	3									
50/49	.5	.4	.3																						23	23	13	12							
48/47	.1	.3	.2																						12	12	13	8							
46/45	.5	1.5	.1																						41	41	24	16							
44/43	.4	2.0	.4	.1																					35	55	55	38							
42/41	.8	2.9	.4	.1																					79	79	55	43							
40/39	1.6	4.7	1.5	.2																					153	153	94	64							
38/37	2.5	4.3	.9	.2																					152	152	174	105							
36/35	2.6	7.7	1.6																						233	233	163	133							
34/33	3.7	9.1	.4																						258	258	269	197							
32/31	6.2	5.1	.2																						222	222	312	375							
30/29	4.5	2.6																							143	143	170	247							
28/27	3.6	2.9	.1																						127	127	123	128							
26/25	3.1	3.8																							134	134	129	125							
24/23	2.5	3.6																							118	118	122	119							
22/21	1.9	2.2																							80	80	91	115							
20/19	.6	2.0																							51	51	53	64							
18/17	.9	.5																							28	28	49	57							
16/15	.5	.3																							15	15	16	53							
14/13	.5	.3																							14	14	14	37							
12/11	.2	.1																							6	6	8	24							
10/9	.1																								2	2	2	12							
8/7																																			
6/5																																			
TOTAL	37.2	56.4	6.0	.5																						1949	1949	1949	1949						

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.	15844598	175012	89.8	8.145	1949							
Dry Bulb	2117076	62672	32.2	7.229	1949		358.8					744
Wet Bulb	1995207	60853	31.2	6.991	1949		415.7					744
Dew Point	1800769	57351	29.4	7.622	1949		500.5					744

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

66-70

JAN

STATION

STATION NAME

YEARS

PAGE 1 0300-0500

HOURS

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 Point																			
46/45	.0																																1	1	1	1		
44/43		.9																															1	1				
42/41	1.7	4.5	1.7																														9	9	4	3		
40/39	3.5	3.5																															8	8	4	8		
38/37	6.1	7.8																															15	15	15	12		
36/35	2.6	5.2																															9	9	12	11		
34/33	2.6	1.7																															9	9	10	10		
32/31	2.6	5.2																																10	10	6	6	
30/29	4.3	8.7																																15	15	16	10	
28/27	7.0																																	8	8	16	7	
26/25	6.1	.9																																2	2	7	6	
24/23	1.7	.9																																2	2	4	6	
22/21	4.3	1.7																																7	7	6	1	
20/19	4.3																																	13	13	6	8	
18/17	.9	.9																																2	2	2	4	
16/15																																			2	2	2	2
14/13	3.5	.9																																	5	5	3	2
12/11	1.7																																	2	2	2	2	
10/9																																						
8/7																																						
6/5	.9																																					
4/3		.9																																				
2/1																																						
4/3																																						
TOTAL	56.6	43.5	1.7																																115	115	115	93

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1005601	10729	93.2	6.374	115	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb	114165	3521	29.8	8.830	115		56.4					93
Wet Bulb	109431	3415	29.7	8.398	115		55.0					93
Dew Point	102687	3277	28.5	9.093	115	.8	56.6					93

USAFETAC FORM 0-26-5 (OLA) 2/1 64 RE USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

STATION **34077** STATION NAME **BAUMGARDNER GERMANY AAF** YEARS **66-70** MONTH **JAN**

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. WB	Dry Bulb	Wet Bulb	Drw. Pt.																													
46/45	.8	.3																																						4	4	3	3									
44/43	.2	2.0	.3																																				13	10	8	2										
42/41	1.0	3.3																																					17	17	14	13										
40/39	2.5	4.8	.5																																			31	31	32	15											
38/37	4.0	9.3	.5																																				54	54	47	39										
36/35	3.0	5.3																																					33	33	41	45										
34/33	3.0	3.3																																					26	26	27	30										
32/31	3.3	5.8	.3																																				38	38	30	31										
30/29	7.8	1.3																																					36	36	51	48										
28/27	7.8	1.0																																				35	35	33	32											
26/25	4.3	2.0																																				25	25	23	30											
24/23	2.0	1.5																																					14	14	14	18										
22/21	4.0	1.3																																				21	21	22	17											
20/19	2.5	1.0																																				14	14	13	16											
18/17	1.8	.3																																					6	10	13	12										
16/15	.8	.3																																						3	6	1	9									
14/13	1.8	1.3																																							12	13	12	7								
12/11	1.3	.5																																								7	8	6	7							
10/9	.8	.3																																									1	2	2	6						
8/7	.8	.3																																										2	2	2	6					
6/5	.8	.3																																											2	2	2	5				
4/3	.3	.3																																												3	3	3	2			
2/1	.3	.3																																														2	2	2	1	
0/-1	.3	.3																																															1	2	2	1
TOTAL	53.045	7	1.2																																												396	409	395	396		
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature							Total																																							
Rel. Hum.	3399230	36388	92.4	5.888	396	≤ 0 F	≤ 32 F	< 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																									
Dry Bulb	393748	12196	29.8	8.864	409		53.2					93																																								
Wet Bulb	378064	11777	29.7	5.393	396		53.8					93																																								
Dew Point	350600	11220	28.3	9.098	396	.7	58.5					93																																								

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

DATA PROCESSING DIVISION  
USAF STAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

66-70

JAN

STAT ON

STATION NAME

YEAR

PAGE 1 0900-1100

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	DB-WB	Dry Bulb	Wet Bulb	Dew P									
48/47			.2																					1	1										
46/45	.7		.7																					9	9	5	3								
44/43	.7	1.6	.7																					12	12	13	5								
42/41	1.6	3.4	.7																					33	33	22	17								
40/39	1.6	3.4	1.6																					43	43	30	22								
38/37	1.6	3.4	1.6	.2																				47	47	37	37								
36/35	1.6	3.4	.2																					32	32	46	38								
34/33	1.6	4.7																						26	26	32	31								
32/31	3.4	3.4																						29	29	42	45								
30/29	3.4	4.7	.2																					44	44	36	40								
28/27	6.4	3.1																						40	40	45	28								
26/25	1.6	2.4																						17	17	20	35								
24/23	1.6	4.7	.2																					28	28	18	28								
22/21	3.4	1.6																						21	21	28	19								
20/19	.9	.9																						8	8	11	18								
18/17	.9	.9																						8	8	7	14								
16/15	1.6	1.6																						12	12	11	13								
14/13	.2	1.6																						7	7	8	6								
12/11	.2	.2																						3	3	4	7								
10/9	.2	.2																						2	2	2	4								
8/7	.2	.2																						1	1	1	11								
6/5	.2	.2																						1	1	1	3								
4/3																											1	1							
2/1																												1	1						
07/01																												1	1						
TOTAL	34.1	60.2	5.4	.2																				425	425	425	425								

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.	330597	37751	89.2	6.020	425							93
Dry Bulb	447804	13983	31.2	5.433	425		49.0					93
Wet Bulb	420896	12926	30.4	5.092	425		58.2					93
Dew Point	376502	12062	28.4	5.977	425	.2	59.5					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

84077 BAUMHOLDER GERMANY AAF

66-7C

JA

STATION

STATION NAME

YEARS

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	Dry Bulb	Wet Bulb	Dew Point											
52/ 51				.5	.2																3	3													
50/ 49				.5	.5																6	6													
48/ 47	.2	1.2	.7	.5																	11	11	2	1											
46/ 45	.9	1.6	.9	.2																	16	16	17	6											
44/ 43	.5	2.3	1.4																		20	20	14	6											
42/ 41	1.6	3.3	1.4	.2																	28	28	30	13											
40/ 39	1.2	4.7	1.4																		43	43	33	30											
38/ 37	.5	6.1	2.3	.7																	41	41	37	33											
36/ 35	.5	5.6	1.9																		34	34	37	39											
34/ 33	2.6	6.1	.5																		39	39	47	31											
32/ 31	3.0	4.9	.9																		38	38	41	36											
30/ 29	4.9	5.1	.7																		46	46	48	31											
28/ 27	2.6	1.2																			16	16	30	44											
26/ 25	.9	3.0																			17	17	11	31											
24/ 23	.7	4.7	.2																		24	24	21	12											
22/ 21	.7	1.9																			11	11	21	22											
20/ 19	1.2	1.9																			13	14	11	13											
18/ 17	.9	2.1																			13	13	12	22											
16/ 15	.2	.2																			2	2	8	7											
14/ 13	.7	.9																			7	7	8	8											
12/ 11																							3	7											
10/ 9																								7											
8/ 7																								5											
6/ 5																								2											
TOTAL	23.8	60.2	13.1	2.6	.2																428	428	428	428											

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3140960	26416	63.1	9.981	428	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	508350	14342	33.4	8.263	428		40.8					93
Wet Bulb	464927	13709	32.0	7.777	428		48.8					93
Dew Point	400250	12554	29.3	6.659	428		58.0					93

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

66w70

JAN

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

HOURS

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 Point																	
52/ 51					0.8																											3	3				
50/ 49																																1	1				
48/ 47			1.0																													11	11	1			
46/ 45			1.9																													13	13	7			
44/ 43			2.1																													14	14	6			
42/ 41			3.7																													25	25	19			
40/ 39			5.3																													25	25	21			
38/ 37			8.7																													42	42	28			
36/ 35			6.1																													35	35	35			
34/ 33			6.6																													42	42	36			
32/ 31			3.2																													25	28	47			
30/ 29			3.7																													25	25	31			
28/ 27			2.9																													29	29	26			
26/ 25			2.4																													14	14	23			
24/ 23			4.2																													23	23	19			
22/ 21			1.6																													12	12	10			
20/ 19			2.4																													15	16	20			
18/ 17			0.8																													10	10	13			
16/ 15			0.8																													3	3	14			
14/ 13			1.1																													3	6	9			
12/ 11																																1	1	3			
10/ 9																																1	1	2			
8/ 7																																1	1	3			
6/ 5																																		1	1	4	
4/ 3																																			1	1	3
TOTAL	33.1	58.5	7.1	1.3																														378	390	378	

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

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	2984588	33425	88.4	8.768	378							
Dry Bulb	431289	12397	32.6	8.417	380		41.4					93
Wet Bulb	402712	11966	31.7	7.988	378		43.8					93
Dew Point	359392	11182	29.6	8.711	378		53.4					93

1 DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

66

JAN

STATION

STATION NAME

YEARS

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	Dew Point												
48/47		7.4																	2	2			2												
46/45																							2	2											
42/41	3.7																		1	1	1	1	1	1											
40/39	3.7																		1	1	1	1	1	1											
38/37		7.4																	2	2			2	2											
36/35																							2	2											
34/33	7.4	7.4																	4	4	4	4	4	4											
32/31	3.7	3.7																	2	2	2	2	2	3											
30/29																							1	1											
28/27	3.7																		1	1	1	1	1	1											
26/25		7.4	3.7																3	3	3	3	3	1											
24/23	3.7	3.7																	2	2	2	2	2	1											
22/21		3.7																	1	1	1	1	1	1											
20/19	11.1																		3	3	3	3	3	3											
18/17		3.7																	1	1	1	1	1	2											
16/15																							1	2											
14/13		3.7																	1	1	1	1	1	1											
12/11		3.7																	1	1	2	2	2	1											
10/9	3.7																		1	1	1	1	1	1											
8/7	3.7																		1	1	1	1	1	1											
6/5																								3											
4/3																								1											
TOTAL	44.4	51.9	3.7																27	29		27	27	27											
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	213290	2382	88.210,998	27	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93																								
Dry Bulb	23002	766	26.411,099	29	60.9						93																								
Wet Bulb	22190	718	26.610,913	27	58.6						93																								
Dew Point	19762	654	24.212,280	27	63.4						93																								

USAF ETAC FORM NO. 44 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

SEP

STATION STATION NAME

YEAR

MONTH

PAGE 1 C30060300

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	DB-WB	Drv Bulb	Wet Bulb	Dew Point											
50/49																						1	1	1	1										
48/47	.7	.7																				2	2	1	2										
46/45	.7	.7	.7																			3	3	3	4										
44/43	2.0	4.6	.7																			11	11	7	4										
42/41	2.6	2.6																				8	8	12	8										
40/39	3.9	4.6																				13	13	10	14										
38/37	2.6	.7																				5	5	9	10										
36/35	4.6	5.9																				16	16	8	11										
34/33	3.9	3.3																				10	10	14	9										
32/31	2.6	5.9																				13	13	15	9										
30/29	3.9	3.3																				11	11	12	15										
28/27	3.2	3.3																				13	13	15	9										
26/25	2.0	4.6																				10	10	7	11										
24/23	4.6	2.6																				11	11	13	11										
22/21	2.6	3.3																				9	9	6	13										
20/19	2.0																					3	3	7	4										
18/17	3.2	.7																				6	6	8	12										
16/15		.7																				1	1	2	4										
14/13		.7																				2	2	1	1										
12/11	.7	.7																				1	1	1	1										
10/9	.7																					1	1	2	2										
8/7		.7																				1	1	1	1										
4/3																						1	1	1	1										
0/-1																									1	1									
TOTAL	49.7	48.4	2.0																			153	153	133	153										

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	1296741	14041	91.8	7.336	153							
Dry Bulb	160079	4767	31.2	8.719	153					46.1		84
Wet Bulb	133330	4668	30.5	8.549	153					48.9		84
Dew Point	141811	4487	29.3	9.190	153			.5	51.0			84

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

DATA PROCESSING DIVISION  
 USAF BTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94077 BAUMHOLDER GERMANY AAF

65-70

REP

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	DB. WB	Dry Bulb	Wet Bulb	De- P.										
50/ 49			.2																					1	1										
48/ 47			.2																					1	1										
46/ 45		.6	1.0	1.0	.2																			14	14	7	3								
44/ 43		2.3	3.3	.8	.2																			33	23	13	16								
42/ 41		2.7	2.9																					27	27	40	20								
40/ 39		2.5	4.6																					34	34	38	35								
38/ 37		1.2	2.5																					18	18	21	35								
36/ 35		2.9	6.2																					44	44	34	21								
34/ 33		3.3	7.3	.4																				54	54	52	45								
32/ 31		3.9	6.0																					48	48	49	52								
30/ 29		4.1	4.4																					41	41	47	43								
28/ 27		2.9	3.3																					30	30	36	33								
26/ 25		2.5	3.3																					29	29	24	51								
24/ 23		4.4	2.9																					35	35	35	32								
22/ 21		2.9	3.1																					29	29	34	29								
20/ 19		1.9	.4																					9	9	14	28								
18/ 17		2.1	.8																					14	14	14	19								
16/ 15		1.7	.2																					9	11	9	13								
14/ 13		.6	.2																					4	4	4	10								
12/ 11		.6	.6																					6	6	4	7								
10/ 9		.2																						1	1	4	1								
8/ 7		.2																						1	1	1	1								
6/ 5																											3	2							
4/ 3																												1							
2/ 1																												1							
TOTAL	43.4	53.3	2.7	.4																			482	484	482	482									
Element (X)	Z <sub>X</sub> '	Z <sub>X</sub>	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum	3993324	48744	90.1	6.954	482	≤ 0 F	≤ 32 F	> 67 F	≤ 73 F	> 80 F	> 93 F	84																							
Dry Bulb	507264	1332	51.3	8.256	484		44.8					84																							
Wet Bulb	482760	14762	30.8	7.973	482		47.9					84																							
Dew Point	439634	13984	29.0	5.611	482		38.3					84																							

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

FEB

PAGE 1 0900-1100

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 P.							
52/ 51			.2	.2	.2																					3	3								
50/ 49				.6	.2																					5	5								
48/ 47			.2	1.6	.6																					12	12	1							
46/ 45	1.0	2.1	.4	.6																						20	20	14	6						
44/ 43	2.3	3.3	1.4	.4																						36	36	33	19						
42/ 41	1.4	2.7	.4																							22	22	30	23						
40/ 38	1.0	3.1	.8																							24	24	25	30						
38/ 37	1.0	3.3	.6	.4																						36	34	26	21						
36/ 35	1.2	6.4	1.6																							43	43	37	35						
34/ 33	3.2	8.4	1.4																							74	74	66	48						
32/ 31	1.0	8.0	.4																							46	46	33	49						
30/ 29	2.1	5.2	.6	.4																						38	38	36	54						
28/ 27	2.1	3.9																								29	29	34	32						
26/ 25	2.7	4.9																								37	37	30	40						
24/ 23	1.2	4.1																								26	26	37	38						
22/ 21	.8	1.0																								9	9	14	29						
20/ 19	.6	1.9																								12	12	10	24						
18/ 17	.2	.6																								4	4	6	11						
16/ 15	.4	.4																								4	4	5	11						
14/ 13	.4																									2	2	3	4						
12/ 11																													7						
10/ 9	.2	.2																								2	2	2	4						
0/ 5																										2	2	2	1						
TOTAL	25.1	61.9	9.5	3.1	.4																					486	486	486	486						

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 70 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3670782	41986	86.4	9,470	486							84
Dry Bulb	572182	16250	33.4	7,709	486		36.1					84
Wet Bulb	526000	19396	39.7	7,272	486		33.9					84
Dew Point	458972	14430	29.7	7,933	486		32.3					84

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

68-70

FEB

STATION

STATION NAME

YEARS

PAGE 1

1200-1300

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	Dep. P.	
56/55																																		2	2		
54/53																																		1	1		
52/51																																		15	15		
50/49																																		10	10		
48/47																																		17	17	14	3
46/45																																		27	27	28	14
44/43																																		40	40	26	20
42/41																																		28	28	34	27
40/39																																		32	32	23	16
38/37																																		43	43	34	11
36/35																																		54	54	56	52
34/33																																		55	55	52	46
32/31																																		42	42	61	48
30/29																																		29	29	47	41
28/27																																		35	35	38	31
26/25																																		20	20	28	39
24/23																																		9	9	13	41
22/21																																		7	7	6	28
20/19																																		2	2	6	12
18/17																																		5	5	4	7
16/15																																		1	1		
14/13																																					
12/11																																					
TOTAL	17.9	48.3	20.3	10.5	2.1	.6																												47			

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs	Mean No. of Hours with Temperature					Total	
Rel. Hum.	3201423	38493	81.2	12.630	474	≤ 6 F	≤ 72 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	84
Dry Bulb	650052	17178	36.2	7.627	474		26.0					84
Wet Bulb	573224	16158	34.1	6.883	474		36.7					84
Dew Point	475050	14370	30.7	7.582	474		50.2					84

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

PER MONTH

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	Dry Bulb	Wet Bulb	Dew Point									
56/55				.2	.9	.2																		1	1										
54/53					.9																			3	3										
52/51					.9																			7	6										
50/49		.2	1.5	.4																			10	10											
48/47	.4	2.0	.9	.7																			17	18	6	3									
46/45	.4	2.4	1.8	.9	.2																		26	24	29	9									
45/43	.4	3.5	2.7	.9																			33	33	28	17									
42/41	1.3	2.2	2.7	1.3																			34	34	29	30									
40/39	.4	2.4	2.2	.2																			24	24	26	16									
38/37	.4	6.0	1.1																				34	34	35	22									
36/35	1.8	5.8	1.5	.4																			43	43	51	41									
34/33	1.3	8.0	3.6	.4																			61	61	39	44									
32/31	2.0	6.6	1.3																				45	45	66	48									
30/29	.9	4.2	.9																				27	27	38	47									
28/27	3.1	3.6	.2																				32	32	47	41									
26/25	2.0	1.5																					16	16	19	36									
24/23	2.2	2.4																					21	21	21	40									
22/21	.4	.9																					6	6	7	27									
20/19		.7																					3	3	5	14									
18/17	.7																						3	3	4	3									
16/15	.9																						4	4	4	8									
14/13																										3									
12/11																										3									
TOTAL	18.0	52.7	20.4	6.0	2.0	.2																	452	452	452	452									
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	3189207	37619	83.2	1.365	452	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		84																						
Dry Bulb	601460	16108	35.6	7.797	452		29.2						84																						
Wet Bulb	536179	15249	33.7	6.984	452		39.2						84																						
Dew Point	453503	13923	30.8	7.372	452		50.2						84																						

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

DATA PROCESSING DIVISION  
USAF STAG  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077

BAUNHOLDER GERMANY AAF

65-66

FEB

STATION

STATION NAME

YEARS

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	DBWB	Dr. Bulb	Wet Bulb	Dew P.		
52/51										1.8																								1	1	1		
48/47	1.8	3.6	7.1																															6	6	3		
46/45		7.1	3.6																															3	3	7		
44/43		5.4																																4	4	7		
42/41	5.4		1.8																															2	2	1		
40/39			1.8	1.8																														3	3	4		
38/37	1.8	3.6																																4	4	5		
36/35		7.1	5.4	1.8																														7	7	6		
34/33	1.8	5.4																																4	4	4		
32/31		1.8	5.4																															7	7	7		
30/29	1.8	10.7																																4	4	4		
28/27		7.1																																7	7	4		
26/25	1.8	1.8																																4	4	2		
24/23		3.6	3.6																															4	4	4		
22/21																																				1	1	4
20/19																																					2	
18/17		1.8																																1	1	1		
14/13																																				1		
<b>TOTAL</b>	<b>39.0</b>	<b>57.1</b>	<b>16.1</b>					<b>1.9</b>																										<b>56</b>	<b>56</b>	<b>56</b>		

Element (X)	Σ X'	Σ X	Σ X²	Σ X³	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	433387	4911	87,7	9,224	56							84
Dry Bulb	75754	2006	35,8	8,417	56		33,0					84
Wet Bulb	69641	1927	34,4	7,782	56		37,3					84
Dew Point	62358	1813	32.4	8,049	56		48,0					84

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLTER GERMANY AAF  
 STATION STATION NAME

6570  
 YEARS

MAR  
 1964

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	DB WB	Dry Bulb	Wet Bulb	Dew Pt.	
48/47		.6			.6															2	2	1		
46/45	1.2	1.2																		4	4	4	4	
44/43	.6	2.4	.6																	5	6	5	6	
42/41	.6	9.1	.6																	17	17	11	6	
40/39	4.9	3.7	1.2																	15	16	16	18	
38/37	3.7	7.3																		19	18	15	17	
36/35	3.7	7.9																		19	19	20	14	
34/33	3.7	5.5																		15	15	17	14	
32/31	3.7	5.3																		15	15	21	19	
30/29	3.7	4.3																		13	13	10	17	
28/27	4.3	1.8																		10	10	13	14	
26/25	3.7	3.0																		11	11	11	9	
24/23	1.8	3.0																		3	3	6	11	
22/21	1.2	.6																		3	3	6	7	
20/19	.6	.6																		2	2	1	4	
18/17																							2	
16/15		.6																		1	2	1	1	
14/13	.6																			1	1	2	1	
12/11	.6	1.2																		3	3	3	1	
10/9																							1	
8/7																							1	
6/5																							1	
TOTAL	38.4	58.5	2.4	.6																164	165	164	164	

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s^2$	N	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 85 F$	
Rel. Hum.	1980791	19001	91.5	7.288	164							93
Dry Bulb	193734	5222	33.3	7.380	164		38.3					93
Wet Bulb	184288	5374	32.8	7.089	164		42.0					53
Dew Point	170084	5134	31.3	7.580	164		50.5					53

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BA. M. GLDER GERMANY AAF

65-7)

VAD  
 MONTH

PAGE 1 0600-0800

HOURS

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 Point																							
56/55					.2																													1	1										
54/53				.2																														1	1										
52/51					.4																													2	2										
50/49		.2	.2	.4																														4	4		2								
48/47	.6	.8	1.0																															12	12		8								
46/45	.4	2.5	.6	.2																														19	19		10								
44/43	1.4	3.9	.8																															31	31		24								
42/41	1.0	4.7	.8																															33	33		34								
40/39	3.5	5.4	2.5																															59	59		56								
38/37	2.9	6.0	1.0																															61	61		46								
36/35	2.1	6.7	.2																															57	57		56								
34/33	2.1	5.0	.2																															38	38		56								
32/31	3.3	7.0	.6																															43	43		48								
30/29	1.9	6.0	.4																															43	43		48								
28/27	2.7	4.5																																37	37		48								
26/25	1.7	2.5																																22	22		32								
24/23	1.2	1.4																																13	13		16								
22/21	.6	.6																																6	6		9								
20/19	.4	.4		.2																														5	5		4								
18/17	.2	.2																																2	2		2								
16/15		.2																																1	1		1								
14/13	.6	.8																																7	7		4								
12/11	.2	.6																																4	4		2								
10/9																																			1	1		1							
8/7		.2																																1	1		1								
6/5																																				1	1		1						
4/3																																						1	1		1				
2/1																																							1	1		1			
TOTAL	26.8	69.5	8.3	1.2	.2																																			515	516		515		515

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4034369	45371	88.1	8.510	515	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	645609	17839	34.6	7.489	515		39.7					93
Wet Bulb	601177	17203	33.4	7.166	515		38.3					93
Dew Point	537970	16152	31.4	7.815	515	.2	49.7					93

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/NAO

PSYCHROMETRIC SUMMARY

34077 BA. HOLLER GERMANY AAF

65-70

4AP

STATION

STATION NAME

YEARS

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	DB	WB	Dry Bulb	Wet Bulb	Down	P.															
66/65																																		3	3					
64/63																																			1	1				
62/61																																			2	2				
60/59																																			3	3				
58/57																																			5	5				
56/55																																			1	1				
54/53																																			5	6		7		
52/51																																			6	8		8		
50/49																																			12	12		5		
48/47																																			31	31		11		
46/45																																			36	36		28		
44/43																																			53	53		38		
42/41																																			56	56		56		
40/39																																			58	58		53		
38/37																																			47	47		62		
36/35																																			42	48		51		
34/33																																			44	44		41		
32/31																																			36	36		53		
30/29																																			28	28		45		
28/27																																			19	19		36		
26/25																																			8	8		10		
24/23																																			4	4		5		
22/21																																			2	2		3		
20/19																																					1	1		2
18/17																																			1	1		2		
16/15																																								
14/13																																								
12/11																																								
TOTAL	8.6	48.3	27.1	9.9	3.9	1.2	.4	.4																																
Element (X)	Zx <sup>2</sup>	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature						Total																												
Rel. Hum.	3304903	40647	79,212,830	513	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																													
Dry Bulb	814449	20073	39,17,508	513		17.9					93																													
Wet Bulb	703761	18707	36,56,494	513		28.6					93																													
Dew Point	580753	16871	32.97,119	513	.2	43.1					93																													

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/PAC

## PSYCHROMETRIC SUMMARY

34077 RAMMOLDER GERMANY AAF

65-70

MAR

STATION

STATION NAME

YEARS

PAGE 1 1200-1400

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL DB WB	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew 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																					
72/71								.2																										1	1			
70/69								.2																										2	2			
68/67								.2																										3	3			
64/63								.4																										4	4			
62/61								.4																										4	4			
60/59					.2			.4					.2																					5	5			
58/57					.2			.2					.2																					3	3			
56/55					1.0			.2					.8																					1	10	3		
54/53					.8			1.0					.2																					11	11	5		
52/51					.8			1.2					.6		.4																			20	20	6		
50/49			.8		2.9			1.9					1.2		.2																			32	32	6	2	
48/47	.2	1.2	2.9		2.9			1.7					.2		.2																			42	42	26	7	
46/45	.2	1.9	2.9		3.1			1.4					.2		.2																			47	47	36	22	
44/43	.6	2.5	4.6		1.9			1.0					.2		.4																			54	54	41	26	
42/41	.4	2.9	5.6		1.9			.2					.6		.2																			56	56	47	31	
40/39	.2	2.5	2.9		1.7			.2					.2		.2																			37	37	74	31	
38/37	.6	3.7	2.5		2.1																													43	43	51	40	
36/35	.6	2.7	2.7		1.0																													34	34	46	55	
34/33	.2	4.6	2.9		.8																													38	38	59	67	
32/31	.4	2.9	.8																															20	20	53	48	
30/29	.6	1.2																																9	9	27	45	
28/27	.4	1.0																																7	7	9	26	
26/25	.8																																	4	4	8	35	
24/23																																					28	
22/21																																					8	
20/19																																					4	
18/17																																					1	
16/15																																					4	
12/11																																					2	
10/9																																					1	
TOTAL	5.4	28.2	30.0	19.9	9.1	4.3	2.3	.8																											483	483	483	
Element (X)	Zx'	Zx	X	Sx	No Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	2613054	34766	72,015,286	483	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																												
Dry Bulb	908233	20599	42,67,653	483		7.7	1.2				93																											
Wet Bulb	739705	18659	38,66,259	483		18.7					93																											
Dew Point	568803	16229	33,65,983	483		38.9					93																											

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

DATA PROCESSING DIVISION  
 JSAP ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

MAR

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

NO. OF HOURS

USAFETAC FORM NO. 04 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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	O.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
72/71																																		2	2			
70/69											.4																							2	2			
64/63						.2		.2																										2	2			
62/61				.2				.6																										4	4			
60/59					.2		.9		.2																									3	5		2	
58/57					.2		.2			.2																								3	3		2	
56/55				.4		.6		1.1																									1	1		2		
54/53				.9		.4		.4		.2																								9	9		4	
52/51			.4	.6		.9		.2																										1	10		6	
50/49		1.3	2.2	1.7	.6	.4		.2																										3	30		3	
48/47	.2	1.9	2.6	1.7	1.3	.4																												3	38	19	5	
46/45	.4	3.5	1.7	3.2	.9					.2																								55	55	41	14	
44/43	.2	1.9	2.6	3.7	1.5			.4																										48	48	35	28	
42/41	.4	4.1	4.5	1.3	.2	.9		.4																										55	55	39	20	
40/39		2.6	6.7		.4																													45	45	67	41	
38/37	.9	2.8	2.8	1.7																														38	36	68	30	
36/35	.6	2.8	3.7	.2																														34	34	45	53	
34/33	1.1	3.7	1.9																															31	31	42	60	
32/31	.9	1.7	1.5																															18	18	45	59	
30/29	.2	1.9																																10	10	21	42	
28/27	.2	.9	.4																															7	7	11	29	
26/25	1.1																																	5	5	7	25	
24/23		.2																																1	1	1	28	
22/21																																					1	9
20/19																																					2	2
18/17																																					2	2
16/15																																					3	3
14/13																																					1	1
12/11																																					1	1
10/9																																					1	1
8/7																																					1	1
TOTAL	6.3	29.4	31.0	18.0	8.2	4.5	2.2	.4																										462	462	462	462	
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	2579697	33793	73.1	15.299	462	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	847906	19478	42.2	7.612	462		8.3	.8				93																										
Wet Bulb	697389	17721	38.4	6.190	462		17.9					43																										
Dew Point	542164	15494	33.5	6.993	462		40.9					93																										

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BA HOFOLDER GERMANY AAF

63-66

MAR

STATION

STATION NAME

YRS

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	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.												
58/57				1.6	1.6																2	2													
56/55					1.6																1	1													
54/53				1.6																	1	1													
52/51																								2											
50/49				1.6																	1	1													
48/47			3.2	1.6																	4	4	2	1											
46/45	1.6	1.6	3.2	3.2			1.6														5	5	3	4											
44/43		1.6	3.2	3.2																	5	5	5	2											
42/41		4.8	4.8	3.2																	8	8	7	3											
40/39	1.6	3.2	1.6	3.2																	10	10	9	3											
38/37		3.2	1.6																		3	3	9	5											
36/35		4.8																			3	3	5	6											
34/33		3.2	6.5																		5	6	5	6											
32/31	1.6	4.8																			4	4	5	3											
30/29	1.6	3.2																			3	3	7	5											
28/27		1.6																			1	1	2	5											
26/25	1.6																				1	1	1	6											
24/23																								4											
22/21		1.6																			1	1	1												
18/17																								1											
TOTAL	8.1	143.5	29.0	14.5	3.2	1.6															62	62	62	62											
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	no. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	401933	4929	79.5	12.853	62	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	93																							
Dry Bulb	102642	2482	40.0	7.333	62		15.0					93																							
Wet Bulb	88547	2311	37.3	6.281	62		24.0					93																							
Dew Point	73797	2099	33.9	6.697	62		36.0					93																							

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

DATA PROCESSING DIVISION  
 USAF BTAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BA HOLLER GERMANY AAF  
 STATION STATION NAME

65-70  
 YEARS

APR  
 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 Pt.														
54/53			.6															1	1																
52/51			1.2															2	2																
50/49		3.6	1.2															8	8		3														
48/47	.6	4.1	1.8															11	11		7														
46/45	1.8	4.1																16	16		3														
44/43	1.8	7.7	.6															17	17		12														
42/41	4.7	6.3	2.4	1.2														25	25		17														
40/39	1.2	4.1	2.4	.6	.6													15	15		20														
38/37	4.1	7.7		.6														21	21		15														
36/35	3.6	4.1	.6															14	14		15														
34/33	1.8	4.1																17	10		13														
32/31	2.4	2.4	.6															9	9		14														
30/29	3.0	3.3																14	14		16														
28/27	1.8	2.4																7	7		9														
26/25	.6	1.2																3	3		8														
24/23	.6	.6																2	2		12														
22/21																					2														
20/19																					1														
TOTAL	27.8	58.0	11.2	2.4	.6													169	169	169	169														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	1331649	14911	88.2	9.771	169	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	90																								
Dry Bulb	260400	6540	38.7	6.598	169	18.6					90																								
Wet Bulb	242372	6310	37.3	6.350	169	24.0					90																								
Dew Point	219568	5978	35.4	6.948	169	33.0					90																								

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

1

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AAC

PSYCHROMETRIC SUMMARY

34077 BALMOLDEN GERMANY AAF

65-70

APR

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

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL DB, W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22-23	24	25-26	27-28	29-30	31														
70/ 69				.2																								1	1			
68/ 67									.2																				1			
66/ 65									.2																				1			
64/ 63																															1	
62/ 61				.2			.2																					2	2			
60/ 59					.4																							2	2			
58/ 57					.4		.2																					3	3		2	
56/ 55				.2	.6		.2	.2																				5	6		1	
54/ 53			.2	1.	.2		.4	.4																				11	11		4	
52/ 51			.6	1.5	.8		.6	.6																				18	18		7	
50/ 49	.2	4.6	1.4	.8	.4			.4																			38	38	17	11		
48/ 47	.2	6.2	1.7	1.0	.4			.4																			45	45	41	25		
46/ 45	1.5	5.6	2.1	1.2	.4	.2																					57	57	54	46		
44/ 43	1.0	6.0	1.5	1.5																							52	52	43	39		
42/ 41	1.4	4.2	2.5	.6	.2																						46	46	58	31		
40/ 39	1.9	2.9	3.0	1.0																							56	56	46	51		
38/ 37	.2	6.2	.8	.6																							40	40	33	37		
36/ 35	1.0	2.3	2.7																								31	31	55	42		
34/ 33	1.5	4.8	1.2																								39	39	33	49		
32/ 31	1.0	5.8	1.2																								41	41	41	60		
30/ 29	.8	2.9	.2																								23	20	40	39		
28/ 27	.2	1.0																									6	6	19	37		
26/ 25	.2	.2																									2	2	2	18		
24/ 23																													1	22		
22/ 21																															6	
<b>TOTAL</b>	11.0	53.5	22.4	9.1	2.9	1.2																						518	518	518	518	

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3586760	42670	82.4	11.788	518	≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	9173571	21475	41.5	7.240	518			12.0	.3			90
Wet Bulb	815047	20263	39.1	6.553	518			17.9				90
Dew Point	706338	18764	36.2	7.204	518			31.6				90



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 RACH-OLDER GERMANY AAF

65-70

APR  
 MONTH

STATION

STATION NAME

YEARS

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	DB. WB	Dry Bulb	Wet Bulb	Dew Point										
76/75																							2	2											
72/71									.6														3	3											
70/69								.4	.2														3	3											
68/67									.2										.4				3	3											
66/65									.2														3	3											
64/63									.2														4	4											
62/61								.8	.4														14	14	1										
60/59								.6	1.2														16	16	7										
58/57								1.2	.6														15	15	1										
56/55								1.3	1.0														21	21	9										
54/53								1.3	1.3														28	28	7	3									
52/51								1.2	1.9														45	45	15	7									
50/49								2.9	2.9														53	53	41	11									
48/47								3.7	2.3														47	47	61	23									
46/45								.4	1.9														41	41	60	56									
44/43								2.5	1.9														41	41	52	31									
42/41								.8	2.9														47	47	44	39									
40/39								.6	3.3														49	49	53	53									
38/37									2.1														29	29	39	39									
36/35									1.7														23	23	53	54									
34/33									1.2														26	26	54	52									
32/31									.6														4	4	30	34									
30/29									.2																11	31									
28/27																										1	31								
26/25																											25								
24/23																											18								
22/21																											9								
TOTAL	2.9	23.5	27.6	21.4	11.0	7.7	2.5	1.3	.8	.4												519	519	519	519										
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\Sigma x$	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	2685629	36389	70.116	099	519	- 0 F	+ 32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total																							
Dry Bulb	1171387	24275	46.8	6,334	519		.7	1.9	.3			90																							
Wet Bulb	941328	21836	42.1	6,508	519		7.3					90																							
Dew Point	73031	19090	36.8	7,370	519		26.2					90																							

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BALMOLDER GERMAN/ AAF

65-70

ADR

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. W.B.	Dry Bulb	Wet Bulb	Dev. Point					
76/ 77																											2	2							
76/ 75																											1	1							
74/ 73																											2	2							
72/ 71																											3	3							
70/ 69																											5	5							
68/ 67																											10	10							
68/ 65																											12	12		1					
64/ 63																											18	18							
62/ 61																											14	14		4					
60/ 59																											16	16		2					
58/ 57																											17	17		6					
56/ 55																											40	40		15					
54/ 53																											36	36		8					
52/ 51																											42	42		3					
50/ 49																											42	42		4					
48/ 47																											36	38		16					
46/ 45																											42	42		22					
44/ 43																											44	44		50					
42/ 41																											33	33		41					
40/ 39																											30	30		43					
38/ 37																											34	34		48					
36/ 35																											7	9		39					
34/ 33																											7	7		47					
32/ 31																											1	1		23					
30/ 29																														18					
28/ 27																														46					
26/ 25																														1					
24/ 23																														39					
22/ 21																														26					
20/ 19																														15					
TOTAL	1.2	19.7	18.1	17.3	19.5	11.4	6.0	3.2	2.2	.8	.6															498	498	498	498						

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	2208029	31945	64.1	17.878	498	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	1272680	24780	49.8	8.932	498			.2	4.2	.9		90
Wet Bulb	970437	21739	43.7	6.576	498			2.4				90
Dew Point	709950	18430	37.0	7.491	498			27.8				90

USAF ETAC FORM 0-26-5 (OL A) JUL 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077 BALMOLDEN GERMANY AAF 65-70

APR  
1970

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.	Dry Bulb	Wet Bulb	Deq. P																		
80/ 79																																	1	1						
78/ 77																.2																	1	1						
74/ 73																																		2	2					
72/ 71											.2																						1	1						
70/ 69								.4			.4												.2										6	6						
68/ 67										.4	.4												.2											10	10					
66/ 65										.4	.8												.2											14	14					
64/ 63										.8	.8												.4											13	13					
62/ 61							.4	.8		.4	.8												.6											13	13		1			
60/ 59					.4	1.0	1.0	1.0	.4	.6	.6												.4											19	19		6			
58/ 57			.4	.8	.8	.8	.4	.8	.6	.6	.6												.2											14	14		1			
56/ 55			.2	1.0	1.0	1.0	1.0	.8	.6	.6	.6												.2											24	24		7			
54/ 53			1.3	2.7	1.3	1.3	1.3	2.5	.6	.6	.6																							44	44		25			
52/ 51		1.3	3.6	1.3	.6	.8	.8	.2																										37	37		21			
50/ 49		2.5	2.5	1.7	2.5	.2																												45	45		45			
48/ 47		2.9	1.9	.6	2.1																													45	45		45			
46/ 45	.4	4.0	1.7	1.0	2.1				.4																									32	32		67			
44/ 43	.2	1.7	.8	2.3	3.1																													46	46		31			
42/ 41	.8	3.1	1.7	1.9	1.7	.2																												39	39		57			
40/ 39	1.0	1.9	1.9	1.0	.8																													44	44		39			
38/ 37		2.2	1.7	.8																														22	22		40			
36/ 35	.2	1.7	1.0	.2																														23	23		39			
34/ 33		.6																																15	15		45			
32/ 31																																		3	3		24			
30/ 29																																				12				
28/ 27																																					12			
26/ 25																																								
24/ 23																																								
22/ 21																																								
20/ 19																																								
TOTAL	2.5	22.0	19.2	13.8	19.7	8.8	5.9	4.2	1.3	1.0	1.3	.2																									478	478		478

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2204524	31124	65.1	19.315	478	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Dry Bulb	1209361	23673	49.5	8.602	478			4.0	.8			90
Wet Bulb	925019	20813	43.5	6.246	478			2.3				90
Dew Point	530446	17676	37.0	7.496	478			27.9				90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34077 BA WGLDER GERMANY AAF  
 STATION

03-66

SPR

PAGE 1 1800-2000

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL DB	TOTAL WB	TOTAL DB + WB	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					
64/ 63													1.7																				1	1						
60/ 59								1.7					1.7																					3	3					
58/ 57									1.7				1.7																					2	2					
56/ 55										1.7																									2	2	1			
54/ 53														1.7																					6	6	1	1		
52/ 51															1.7																				7	7	1			
50/ 49																3.3																			5	5	1	2		
48/ 47																	3.3																		9	9	7	3		
46/ 45																		1.7																	7	7	11	8		
44/ 43																			1.7																1	1	7	9		
42/ 41																				1.7															1	1	7	8		
40/ 39																					1.7														4	4	7	4		
38/ 37																						1.7													1	1	5	12		
36/ 35																							3.3												2	2	2	8		
34/ 33																																				2	2	2	8	
32/ 31																																					2	2	2	8
30/ 29																																					2	2	2	8
TOTAL																																					60	60	60	60

Element (X)	$\Sigma X$	$\Sigma X^2$	$\bar{X}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. H	334173	4521	75.4	15.135	60	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	141932	2894	48.2	6.304	60							90
Wet Bulb	119890	2656	44.3	4.726	60							90
De Point	98602	2412	40.2	5.272	60			5.0				90

USAFETAC FORM 0-76-5 (OL 1) REVISED PREVIOUS EDITIONS C. THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34077 BALKHOLDEN GERMANY AAF

65-70

MAY

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	DB WB	Dry Bulb	Wet Bulb
60/59			.6															1	1		
58/57		1.1	.6	1.1														5	5		
56/55		2.2	.6	.6														6	6	2	1
54/53	.6	3.4	1.7															10	10	7	4
52/51	1.1	6.7	3.4	.5														21	21	13	13
50/49	.6	6.2	1.1	1.7														17	17	14	11
48/47	.6	9.0	3.4															23	23	20	16
46/45	1.7	10.1	3.9															28	28	28	19
44/43	.6	11.2																21	21	34	22
42/41	1.1	6.2	1.1															15	15	17	34
40/39	1.7	2.8																8	8	10	22
38	1.1	2.2	1.1															8	8		10
36/35	.6	4.3																9	9	5	6
34/33	1.1	1.1																4	4	12	3
32/31		.6																1	1	2	4
30/29		.6																1	1	2	7
28/27																					1
TOTAL	10.7	68.0	17.4	3.9														178	178	178	178

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$\sum X^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1386800	15648	87.9	7,951	178	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	381777	8175	45.9	5,977	178		1.0					93
Wet Bulb	389290	7866	44.2	5,667	178		2.1					93
Dew Point	327243	7539	42.3	5,928	178		3.3					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 SA MULLER GERMANY AAF

63-70

MAY

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	DB	WB	Dry Bulb	Wet Bulb	Dea. Pt.		
70/69						.2	.4	.2																					4	4					
68/67						.2	.7	.4																					7	7					
64/63					.2	.2	.7																						3	3					
62/61				.2	.2	.9	.2	.6																					5	5					
60/59		.2	1.3	1.1	.9	.6	.4																					14	10	2					
58/57		.4	2.2	1.9	.7																							21	21	9					
56/55		2.6	2.1	1.9	.7																							30	30	13	3				
54/53	.2	2.1	3.9	3.4	.6	.2																						37	37	22	6				
52/51	1.3	3.4	4.3	3.0	.6	.4																						35	35	37	24				
50/49	.9	7.3	5.2	1.1	.9	.2																						59	69	45	47				
48/47	.4	5.6	4.9	.4																								84	84	73	40				
46/45	1.1	8.4	1.9	.9	.2																							60	60	92	39				
44/43	.4	3.0	1.1	.4																								67	67	73	73				
42/41	.2	1.1	1.7	.2																								26	26	77	81				
40/39	.4	1.1	1.3																									17	17	31	68				
38/37	.4	2.1	.6																									15	15	21	48				
36/35		.2	.2																									16	16	20	15				
34/33		.2																										2	2	17	23				
32/31																												1	1	1	23				
30/29		.2																													1	12			
28/27																													1	1	1	8			
TOTAL	5.2	37.8	31.1	14.2	8.0	2.4	1.3																												
																													535	535	535	535			

Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$s_x$	No. Obs	Mean No. of Hours with Temperature						
						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	Total
Rel. Hum.	3457029	42491	79.4	12.414	535							
Dry Bulb	1375376	26944	50.4	6.478	535			.2	1.9			93
Wet Bulb	1197208	25140	47.0	5.450	535			.3				93
Dew Point	1049974	23436	43.9	5.939	535			4.0				93

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34077 BALMOLDER GERMAN AAF

65-70

MAY

PAGE 1 0900-1100

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	DR	WB	DB	Wet Bulb	Dew P	DR	WB	DB	Wet Bulb	Dew P										
80/79											.4																						2	2				
78/77													.2	.2																			1	1				
76/75													.2	.4																			3	3				
74/73												.4	.3	.2																			1	10				
72/71												.7	.2	.4			.2																13	13				
70/69											.4	.7	.2	.2																			13	13				
68/67					.4	.4	1.1	.4				.4	.2																				13	13				
66/65					.2	.7	.9	1.5	.4																									20	20	2		
64/63			.4	.6	.9	1.1	.9	.4																										23	23		2	
62/61				1.1	1.9	1.3	.6																											26	26		8	
60/59				1.5	4.6	1.9	.4																											50	50		8	
58/57		.6	1.9	2.4	2.6	1.1	1.1																											52	52		3	
56/55		1.1	1.7	3.7	3.0	.7	.9																											60	60		8	
54/53		1.3	2.6	3.0	3.0	.6	.9																											56	56		20	
52/51	.2	1.5	2.8	2.2	.9		.2																											42	42		53	
50/49		3.1	3.1	2.0	.6	.2																												49	49		47	
48/47		3.7	2.7	2.2	1.3																													50	50		51	
46/45	.6	2.0	1.1	.9	.2																													26	26		72	
44/43		.7	.4	.7	.6																													13	13		72	
42/41		.7	.6	.7	.6																													11	11		63	
40/39		.4	.4	.4																														6	6		51	
38/37			.2																															1	1		27	
36/35																																					9	22
34/33																																					1	19
32/31																																					9	
30/29																																					12	
28/27																																				8		
26/25																																				2		
TOTAL		.7	15.2	18.0	22.0	20.6	9.3	9.6	3.1	1.3			.2																					540	540	540	540	
Element (X)	Σx <sup>2</sup>		Σx		Σ	T <sub>x</sub>	No. Obs.	Mean No of Hours with Temperature					Total																									
Rel. Hum.	2491770		35766		66.2	15,098	540	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	1701262		30012		55.6	7,858	540			9.5	2.8	.2		93																								
Wet Bulb	1331041		26631		49.3	5,729	540							93																								
Dew Point	1058291		23635		43.8	6,363	540	5.3						93																								

FORM 0-26-5 (01 A) REVISD PREVIOUS EDITION. OF THIS FORM USE OBSOLETE  
 USAFETAC JUL 64

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

14077 BA MÜLDER GERMANY AAF

05-70

MAY

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	Dry Bulb	Wet Bulb	Co-P		
86/85																																			1	1		
84/83																																			2	2		
82/81																																			1	1		
80/79																																			4	6		
78/77																																			1	10		
76/75																																			11	11		
74/73																																			16	16		
72/71																																			19	19		
70/69																																			14	14		
68/67																																			29	29		1
66/65																																			36	36		4
64/63																																			31	31		6
62/61																																			34	34		18
60/59																																			43	43		38
58/57																																			48	48		34
56/55																																			51	51		35
54/53																																			48	48		73
52/51																																			34	34		58
50/49																																			35	35		61
48/47																																			32	32		62
46/45																																			11	11		58
44/43																																			7	7		21
42/41																																			4	4		18
40/39																																						14
38/37																																						7
36/35																																						3
34/33																																						
32/31																																						
30/29																																						
28/27																																						
26/25																																						
24/23																																						
22/21																																						
20/19																																						
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs	Mean No. of Hours with Temperature																																
Rel. Hum.						$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 90$ F	$\leq 93$ F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

34077 SAUMPOLOER GERMANLY AAF  
STATION STATION NAME

65-70  
YEAR

MAY  
MONTH

PAGE 1 1500-1700  
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	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point							
84/83											.2	.2													2	2									
82/81											.2	.2													2	2									
80/79																									4	5									
78/77														.6	.7	.4									9	9									
76/75											.6	1.3	.9	.2											17	17									
74/73										.6	.7	.7	.4												13	13									
72/71							.4			.6	.6	.9	.2												14	14									
70/69				.2	.2	.7	.4			1.1	.6														19	19									
68/67					.4	.4	.4			.6	.7	.6													14	14									
66/65				.4	.7	1.3	1.1	1.7		.4															30	30	2								
64/63				.6	.4	1.5	2.0	1.3																	31	31	5								
62/61			.2	.9	2.0	1.9	1.9	.4	.2																40	40	19								
60/59		.2	.4	1.9	2.4	3.7	2.0	.4																	59	59	33	1							
58/57		.6	.7	1.7	3.5	3.9	.4	.2																	59	59	29	6							
56/55		1.3	1.9	2.0	1.7	1.7	.2																		47	47	41	11							
54/53		.2	1.9	2.2	2.2	.4																			37	37	54	19							
52/51		2.0	2.2	2.4	1.7	.4																			47	47	71	26							
50/49		1.9	1.3	1.7	.4	.9	.2																		34	34	88	48							
48/47		.4	1.9	.6	1.1	1.3	.6																		31	31	74	68							
46/45		.4	1.1	.6	.4	.6																			16	16	59	62							
44/43		.7	.4		.2																				7	7	29	66							
42/41		.2		.2																					2	2	13	69							
40/39		.2	.2																						2	2	14	54							
38/37																											6	45							
36/35																											2	19							
34/33																													9						
32/31																													14						
30/29																													13						
28/27																													3						
26/25																													3						
24/23																													2						
TOTAL	.9	10.1	10.2	15.6	17.7	17.7	10.2	7.6	5.2	3.5	1.1														537	537	537	537							
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	2022516	31712		59.1	16.717	537	≤ 0 F	≤ 32 F	≤ 57 F	≥ 73 F	≥ 80 F	≥ 93 F	91																						
Dry Bulb	1898527	31595		58.9	8.595	537			16.5	8.3	1.2		93																						
Wet Bulb	1393178	27186		50.6	5.610	537							93																						
Dew Point	1036747	23347		43.5	6.362	537			6.1				93																						

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



1 DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLTER GERMANY AAF

70

70

STATION

STATION NAME

YEARS

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	W.B.	Dry Bulb	Wet Bulb	Dew Point											
56 / 55	66.7	33.3																			3	3	3										2		
54 / 53																																	1		
TOTAL	66.7	33.3																			3	3	3										3		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	28649	293	97.7		3	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90																							
Dry Bulb	9297	167	55.7		3							90																							
Wet Bulb	9186	166	55.3		3							90																							
Dew Point	9077	165	55.0		3							90																							

USAF/ETAC FORM 0-26-5 (O-L-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUL 64



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34077 BACHMOLDER GERMANY AAF

65-70

JUN

STATION

STATION NAME

YEARS

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 Pt.													
76/ 75				.2	.2	.2														1	1														
72/ 71					.2	.4														4	4														
70/ 69			.4	.2	1.5	.7	.2													16	16														
68/ 67			.2	.9	1.7	.6														18	18	2													
66/ 65		.2	1.1	2.2	1.9	.6														32	32	3	1												
64/ 63		1.3	2.8	3.0	1.1	.6	.2													48	48	7	3												
62/ 61		1.7	3.7	2.6	1.1	.2														46	46	34	8												
60/ 59	.2	2.0	2.6	2.0	.6	.2														41	41	52	20												
58/ 57	1.5	4.4	2.6	1.3	1.3															61	61	68	32												
56/ 55	.6	5.0	3.1	1.1	.6															56	56	63	48												
54/ 53	.2	6.9	4.8	1.1	.9															75	75	74	63												
52/ 51	.6	4.3	3.0	1.1																48	48	63	90												
50/ 49	.4	4.3	2.7	1.3	.4															45	45	63	63												
48/ 47	.2	3.1	.4	.2																21	21	45	56												
46/ 45	.9	1.1	.6	.2																15	15	36	57												
44/ 43	.2	1.1	.2																	8	8	15	30												
42/ 41		.9																		5	5	12	18												
40/ 39																						3	20												
38/ 37																							8												
36/ 35																							6												
TOTAL	4.6	36.3	26.7	17.4	11.3	2.3	.4													540	540	540	540												

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3531566	43210	50.0	11.714	540	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1765049	30673	56.8	6.499	540			6.5	.2			90
Wet Bulb	1543736	28724	53.2	5.423	540			.3				90
Dew Point	1389288	27218	50.4	5.682	540							90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLTER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

JUN  
MONTH

PAGE 1 0900-1100

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. WB	Dry Bulb	Wet Bulb	Dew Pt.														
82/ 81											.4							2				2													
80/ 79											.2							6				6													
78/ 77											.7							7				7													
76/ 75							.2		.9		1.3							15				16													
74/ 73							.6		2.0		.9							23				23													
72/ 71							.4		2.6		.9							26				26													
70/ 69							1.1		1.5		2.2							33				36													
68/ 67							.9		2.2		2.4							36				36													
66/ 65							.9		3.0		2.4							43				45													
64/ 63							.9		1.9		3.3							54				54													
62/ 61							.9		2.2		2.6							47				47													
60/ 59							1.3		1.3		3.0							44				44													
58/ 57							.4		1.9		3.3							43				43													
56/ 55							2.4		1.7		2.6							47				47													
54/ 53							3.1		1.7		1.5							38				38													
52/ 51							2.0		1.1		.9							25				25													
50/ 49							1.1		1.7		.9							20				20													
48/ 47							.2		.9		.2							9				9													
46/ 45							1.1		.4		.2							9				9													
44/ 43							.2		.2		.2							2				2													
42/ 41							.6											3				3													
40/ 39																																			
38/ 37																																			
36/ 35																																			
34/ 33																																			
32/ 29																																			
TOTAL		.2	15	.2	14	.6	18	.3	21	.1	17	.4		9	.1	3	.3		.6	.2															
																		540			540	540													

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

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2569676	36482	67.6	13.936	540	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	2391192	33330	61.7	7.941	540			25.3	9.0	.8		90
Wet Bulb	1658842	29764	55.1	5.826	540			.7				90
Dew Point	1384878	27150	50.3	6.066	540		.2					90

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34077 BA MOLDER GERMANY AAF

65-70

JUN

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL DB WB	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew 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						
84/ 83										.6	.2	.6										3	8		
82/ 81								.2		.7	.8	.5										13	13		
80/ 79								.2		1.5	.7	.4										15	15		
78/ 77								.2	1.5	.9	.2											15	15		
76/ 75								.4	.9	.7	1.1	.4										24	24		
74/ 73							.4	.9	.7	2.4	.5											27	27		
72/ 71					.2		.9	.7	1.7	1.7	.2											29	29		
70/ 69			.2		1.7	2.2	2.0	1.9	.4													45	45	5	
68/ 67			.4	1.4	1.3	2.8	2.0	1.3	.4													44	44	12	
66/ 65		.4	1.1	1.3	2.8	2.0	1.3	.4														50	50	33	1
64/ 63			1.1	2.4	3.9	.9	.9	.4														52	52	33	9
62/ 61		.4	1.1	1.3	1.9	1.3	.2	.4														35	35	44	10
60/ 59	.2	.9	.9	1.5	2.2	1.1	.4															36	29	68	34
58/ 57	.2	1.1	1.7	.4	1.7	1.9	.4	.2														40	40	78	42
56/ 55		1.7	1.5	1.3	1.1	.4																32	32	69	40
54/ 53		2.0	2.6	.9	1.3																	37	37	54	61
52/ 51		.4	1.1	.6	.2																	12	12	49	78
50/ 49		1.5	.7	.4	.6																	17	17	34	71
48/ 47		.4																				2	2	38	51
46/ 45		.2																				1	1	16	50
44/ 43		.4																				2	2	2	27
42/ 41		.2																				1	1	5	20
40/ 39																									26
38/ 37																									10
36/ 35																									3
34/ 33																									6
32/ 31																									1
TOTAL	.4	9.4	12.4	11.5	19.8	14.4	12.2	13.5	4.3	1.9	.2											540	540	340	340
Element (X)	Σx <sup>2</sup>		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature					Total									
Rel. Hum.	2192130		33352		61,815,562		540		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≥ 80 F		≥ 93 F		Total				
Dry Bulb	2291939		34879		64,638,517		540						36.7		17.0		5.2				90				
Wet Bulb	1729471		30399		56,358,807		540						2.8								90				
Dew Point	1387198		27156		50.33324		540						.2								90				

USAF/ETAC FORM 0-23-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077  
STATION

BAUMHOLDEK GERMANY AAF  
STATION NAME

65-70  
YEARS

JUN  
MONTH

PAGE 1 1500-1700  
HOURS

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														.2														1	1						
85/83												.4	.4	.9														9	9						
82/81									.4	.2	.4	.2															6	6							
80/79							.2	1.7	.2	.9	.6															19	19								
78/77						.6	.7	.2	.5	.4	.2															14	14								
76/75					.2	.6	1.1	.9	.7	.2	.2															21	21								
74/73					.2	.2	1.5	3.1	.6																	37	37								
72/71				.4	.4	.4	2.4	1.7	.6																	31	31								
70/69				.6	1.9	1.7	1.9	1.7	.6																	44	44								
68/67			.6	1.9	1.7	2.6	1.3	.4																		45	45	16							
66/65			.6	.6	3.2	.9	1.3																			36	36	22	1						
64/63		.6	1.1	1.1	2.6	2.4	1.1	.6																		51	51	27	6						
62/61		.7	1.9	.9	2.2	1.1	.6	.2																		41	41	34	16						
60/59	.4	1.5	1.3	2.6	1.7	1.5	.2																			49	49	74	36						
58/57	.2	1.5	2.7	.9	1.7	.9	.6																			42	42	73	25						
56/55		1.9	3.1	1.5	.4	.4																				39	39	70	45						
54/53		1.7	1.5	1.5	.6																					28	28	60	57						
52/51		.6	.7	.6	.6																					13	13	50	85						
50/49		1.3	.2	.2	.2																					10	10	37	77						
48/47	.2	.7	.2	.2	.2																					7	7	28	57						
46/45		.2																								1	1	17	39						
44/43		.2																								1	1	2	31						
42/41		.4																								2	2	3	30						
40/39																														14					
38/37																														11					
36/35																														3					
34/33																														5					
TOTAL	.7	1.1	1.1	1.2	1.8	1.7	4.3	14.3	9.3	4.4	1.9	1.7																		540					
																															540				
																															540				

Element (X)	Z <sub>x</sub>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2255520	33752	62,516,452		540							
Dry Bulb	2281526	34800	64,48,491		540			36.7	16.7	4.8		90
Wet Bulb	1728124	30398	56,35,606		540			3.2				90
Dew Point	1390813	27203	30.46,127		540							90

USAF ETAC FORM 44 JUL 64 0-26-5 (DL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/KAC

PSYCHROMETRIC SUMMARY

34077 BACHHOLDER GERMANY AAF  
 STATION STATION NAME

65-66  
 YEARS

JUL  
 MONTH

PAGE 1 1800-2000  
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
82/ 81							1.7											1	1																
80/ 79								1.7										1	1																
78/ 77						1.7	1.7	3.3										4	4																
76/ 75								3.3										2	2																
74/ 73					1.7			1.7		1.7								3	3																
72/ 71						1.7	1.7	1.7										3	3																
70/ 69							1.7	1.7										2	2		1														
68/ 67			1.7			1.7	3.3	1.7										5	5		2														
66/ 65			1.7			3.3	3.3	1.7										6	6		1														
64/ 63			3.3	1.7		1.7	1.7											5	5		4														
62/ 61		1.7	3.3	3.3		3.3												7	7		3														
60/ 59		3.3	1.7	3.3		1.7												6	6		10														
58/ 57		1.7	1.7	3.0														5	5		10														
56/ 55		3.3	3.0	1.7														6	6		7														
54/ 53			1.7															1	1		10														
52/ 51																					5														
50/ 49		3.3																2	2		3														
48/ 47		1.7																1	1		2														
46/ 45																					8														
44/ 43																					2														
TOTAL		15.0	20.0	15.0	11.7	15.0	8.3	8.3	5.0	1.7								60	60		60														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																							
Rel. Hum.	287332	4040	67.3	16.106	60																														
Dry Bulb	251038	3832	64.2	7.961	60			31.5	16.5	3.0		90																							
Wet Bulb	196693	3423	57.1	4.890	60			4.8				90																							
Dew Point	165374	3136	52.3	4.984	60							90																							

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/ SAC

PSYCHROMETRIC SUMMARY

34C77 BAUM-OLDER GERMANY AAF  
 STATION STATION NAME

65-70  
 YEARS

JUL  
 MONTH

PAGE 1 0300-0500  
 HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	≥ 31	DB	WB	Dry Bulb	Wet Bulb	Dew Point		
66/ 65		.6	.6	.6																3	3	1			
64/ 63	.6	.6	.6																	3	3	1	2		
62/ 61		2.8	3.4	.6																12	12	4			
60/ 59	1.1	6.2	2.3	.6																13	18	10	11		
58/ 57	1.1	7.9	3.4	1.1																24	24	14	15		
56/ 55	.6	5.8	2.8																	18	18	21	14		
54/ 53	4.0	11.3	3.4																	33	33	25	26		
52/ 51	2.8	6.2	1.7																	19	19	32	27		
50/ 49	.8	5.1	1.1																	12	12	20	15		
48/ 47	1.1	9.0	.6																	19	19	17	22		
46/ 45	.6	5.6																		11	11	19	19		
44/ 43	.6	1.7																		4	4	7	18		
42/ 41	.6																			1	1	2	5		
40/ 39																							1		
38/ 37																							1		
TOTAL	13.6	63.8	19.8	2.8																177	177	177	177		
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$		No. Obs.	Mean No. of Hours with Temperature							Total									
Rel Hum.	1426995		15845		89.5	6.972		177	≤ 0 F	≤ 32 F	> 67 F	≥ 73 F	≥ 80 F	< 93 F	93										
Dry Bulb	517279		9525		53.8	5.170		177							93										
Wet Bulb	434954		9224		52.1	4.922		177							93										
Dew Point	460762		8986		50.8	5.089		177							93										

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMWÜLDER GERMANY AAF  
 STATION STATION NAME

65-70  
 YEARS

JUL  
 MONTH  
 PAGE 1 0600-0800  
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point															
76/75					.2	.4	.4											5	5																		
74/73				.2	.4	.6												6	6																		
72/71			.2	.4	.6	.8												7	7																		
70/69			.2	.6	1.5	.8	.2											17	17		1																
68/67		.2	1.5	1.3	2.1	.4												29	29		4	1															
66/65	.2	.4	2.1	1.7	.4													25	25		16	3															
64/63		1.3	3.8	2.3	.8	.4												43	43		21	11															
62/61		3.2	5.1	1.7	.4													52	52		39	16															
60/59	.4	4.0	3.2	1.3	1.7													56	56		64	36															
58/57	.8	5.1	4.3	1.3	.4													63	63		73	59															
56/55	1.9	6.2	3.6	1.3	.2													70	70		69	75															
54/53	.4	4.1	4.3	1.3														54	54		70	82															
52/51	.4	3.6	3.4	.6														43	43		50	49															
50/49	.2	5.1	1.9	.4														40	40		50	59															
48/47		2.1	.4															13	13		58	58															
46/45		.4	.2															3	3		11	46															
44/43																					5	23															
42/41																						5															
40/39																						3															
TOTAL	4.1	35.8	34.1	14.3	8.5	2.1	1.1											531		531		531															

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3562216	43150	81.3	10.590	531	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1823335	31027	58.4	6.233	531			11.2	1.9			93
Wet Bulb	1619862	29198	55.0	5.203	531			.9				93
Dew Point	1477356	27868	52.5	3.317	531			.2				93

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

JUL  
 MONTH

STATION

STATION NAME

YEARS

PAGE 1 1200-1400

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
90/89																																			1	1		
88/87																																			2	2		
86/85																																			8	8		
84/83																																			12	12		
82/81																																			22	22		
80/79																																			32	32		
78/77																																			19	19		
76/75																																			29	29		
74/73																																			31	31		
72/71																																			34	34		8
70/69																																			33	33	16	
66/67																																			38	38	31	4
66/65																																			49	49	38	7
64/63																																			34	34	38	11
62/61																																			24	24	47	34
60/59																																			38	38	71	40
58/57																																			50	50	43	44
56/55																																			39	39	61	77
54/53																																			20	20	56	60
52/51																																			6	6	49	49
50/49																																			5	5	26	59
48/47																																					18	46
46/45																																				4	43	
44/43																																					18	
42/41																																					18	
40/39																																					8	
38/37																																					4	
TOTAL	1.7	8.0	8.0	14.2	17.0	17.2	14.2	10.9	5.7	1.9	.8	.2																							522	522	522	522
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	2111131	32243	61.8	15.147	522	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb	2337307	34983	67.0	9.040	522			45.8	27.1	10.9		93																										
Wet Bulb	1799860	30490	58.4	6.029	522			10.2				93																										
Dew Point	1467146	27490	52.7	6.109	522			.7				93																										

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

USAF/ETAC

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

JUL

STATION

STATION NAME

YEARS

PAGE 1

1500-1700

HOURS L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	* 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																					
88/87																																1	1										
86/85									1.1																								10	10									
84/83																																		12	12								
82/81																																		21	21								
80/79																																		20	20								
78/77																																		21	21								
76/75				.2																														34	34		1						
74/73					.2																													30	30								
72/71					.2																														39	39		4					
70/69				.2																															34	36		18	1				
68/67				.4																															37	37		32	2				
66/65				.6																															32	32		30	6				
64/63		.2		1.1																															33	33		40	10				
62/61		.4		.8																															31	31		76	32				
60/59		.4	2.1	1.9																															55	55		59	37				
58/57			3.1	.8																															39	39		42	62				
56/55		.8	1.1	1.1																															35	35		71	77				
54/53		.4	1.0	1.1																															17	17		55	45				
52/51		.2		1.1																															11	11		42	49				
50/49		.4	.2	.6																															6	6		28	63				
48/47			.4																																2	2		22	46				
46/45																																					2		39				
44/43																																							34				
42/41																																							12				
40/39																																							4				
38/37																																							2				
36/35																																							1				
<b>TOTAL</b>		2.3	9.2	9.8	10.7	18.4	16.9	14.2	10.0	5.0	2.1	1.5																											522	522		522	
Element (X)	Zx <sup>2</sup>	Zx	R	Sx	No. Obs.	Mean No. of Hours with Temperature					Total																																
Rel. Hum.	2176575	32673	62,615,888		522	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total																															
Dry Bulb	2370873	34861	66,899,037		522			46.5	26.5	10.2	93																																
Wet Bulb	1794520	30450	58,359,922		522			9.8	.2			93																															
Dew Point	1468160	27509	52,759,969		522			.5					93																														

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMFOLDER GERMANY AAF 65-66 JUL  
 STATION STATION NAME YEARS MONTH

PAGE 1 1900-2000  
 HOURS

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.	Dr. Bulb	Wet Bulb	Dew Po.														
76/75							1.6											1	1																
74/73							1.6	1.6										2	2																
72/71									1.6									1	1																
70/69				1.6	4.8	3.2												4	6																
68/67				1.6	1.6	1.6												2	2																
66/65			1.6	1.6		3.2												4	4	1															
64/63			1.6	1.6	3.2	1.6												5	5	2															
62/61		1.6	1.6	1.6	3.2	1.6												5	5	3	2														
60/59		3.2	3.2	3.2														6	6	5	1														
58/57		6.5	1.6	1.6	6.5													10	10	4	7														
56/55		6.5	8.1	1.6	3.2	1.6												13	13	12	11														
54/53	1.6			1.6														2	2	11	7														
52/51	1.6	1.6	3.2															4	4	10	7														
50/49		1.6																1	1	3	8														
48/47																				3	7														
46/45																				1	7														
44/43																					2														
40/39																					2														
38/37																					1														
TOTAL	3.2	21.0	21.0	12.9	22.6	14.5	3.2	1.6										52	62	62	62														

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	348110	4534	73.5	14.938	62	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	220726	3746	60.4	6.266	62			18.0	4.5			93
Wet Bulb	189389	3415	55.1	6.589	62							93
Dew Point	165096	3152	51.3	5.404	62							93

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500  
 HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	±31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point													
66/65			.6															1	1															
64/63		1.1	.6															3	3	2	1													
62/61	.5	1.1	.6															4	4	2	2													
60/59	2.2	8.3	.6															2	20	12	10													
58/57	5.0	7.7		.6														24	24	22	19													
56/55	3.9	9.4																24	24	24	25													
54/53	2.2	6.1	1.7	.6														19	19	20	18													
52/51	3.9	6.1	.6															19	19	21	21													
50/49	2.8	5.0	.6															15	15	18	13													
48/47	2.2	12.2																26	26	22	18													
46/45	1.7	3.9																10	10	19	25													
44/43	3.3	2.2																10	10	10	16													
42/41	1.1	.6																3	3	6	7													
40/39	.6	.6																2	2	1	4													
38/37		.6																1	1	2	1													
36/35																					1													
TOTAL	29.3	64.6	5.7	1.1															181	181	181	181												
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	1577232	16864	93.2	5.770	181	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 °	Total																						
Dry Bulb	504328	9502	52.5	5.527	181							93																						
Wet Bulb	483863	9307	51.4	5.425	181							93																						
Dew Point	468393	9153	50.6	5.545	181							93																						

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDEK GERMANY AAF

65-70

AUG  
 MONTH

STATION

STATION NAME

YEARS

PAGE 1 0500-C800

NO. 85 U.S.

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 Point
76/75					.2	.2	.2											1	1		
74/73					.7	.2												2	2		
72/71					.7													4	4		
70/69			.6	.7	.2													9	8		
68/67			1.5	.4	.6	.2	.2											15	15	2	
66/65		.4	1.7	.6	.4	.2												17	17	4	2
64/63	.2	3.2	2.4	.7	.2													36	36	23	5
62/61		3.5	2.8	2.0	.2													46	46	28	19
60/59	.7	6.3	1.7	1.3	.7													59	58	50	46
58/57	2.2	8.0	2.2	1.3	.2													73	73	79	57
56/55	.6	7.8	4.8	.9	.2													77	77	64	65
54/53	.4	6.5	2.1	1.3														53	53	62	58
52/51	1.5	4.8	3.7	.2														55	55	72	67
50/49	1.1	8.2	.4															52	52	64	73
48/47	1.1	2.6	.2															21	21	60	73
46/45	.9	.9																10	10	17	43
44/43	.2	.6																4	4	7	21
42/41																				2	6
40/39		.2																1	1	1	1
38/37																					1
<b>TOTAL</b>	<b>8.9</b>	<b>53.1</b>	<b>24.7</b>	<b>9.5</b>	<b>3.5</b>	<b>.6</b>	<b>.4</b>											<b>537</b>	<b>537</b>	<b>537</b>	<b>537</b>
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	4028494	46236	86.1	9.419	537	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F										
Dry Bulb	1734614	30360	56.5	5.823	537			5.2	.5			93									
Wet Bulb	1583424	29032	54.1	5.085	537			.3				93									
Dew Point	1482324	28078	52.3	5.150	537							93									

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077  
 STATION

BAHMHOLDER GERMANY AAF  
 STATION NAME

65-76  
 YEARS

4 JG  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	Dew Point	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30-31									
88/87																							1	1		
86/85																							4	4		
84/83																							7	7		
82/81																							12	12		
80/79																							13	13		
78/77																							19	19		
76/75																							26	26		
74/73																							37	37		
72/71																							35	35		
70/69																							41	41		18
68/67																							61	61		20
66/65																							47	47		37
64/63																							38	38		34
62/61																							50	50		62
60/59																							47	47		90
58/57																							33	33		69
56/55																							26	26		58
54/53																							17	17		45
52/51																							7	7		44
50/49																							1	1		36
48/47																										67
46/45																										46
44/43																										40
42/41																										25
40/39																										11
TOTAL	9.4	11.7	13.6	21.5	14.9	13.4	10.2	3.6	1.1	.6													522	522	522	6
Element (X)	$\Sigma X^2$	$\Sigma X$	X	$\Sigma X$	No. Obs.	Mean No. of Hours with Temperature						Total														
Rel. Hum.	2197185	33011	53.2	14,503	522	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F															
Dry Bulb	2333868	34674	66.4	7,668	522			45.6	21.2	5.2			93													
Wet Bulb	1791378	30456	58.3	5,299	522			6.9					93													
Dew Point	1473686	27370	52.8	5,803	522								93													

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

USAFETAC

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDEP GERMANY AAF

65-70

AUG

STATION

STATION NAME

YEARS

PAGE 1 1300-1700  
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23	24	25	26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
90/83																																		2	2						
88/87																																			1	1					
86/85																																			1	1					
84/83																																				4	4				
82/81																																				7	7				
80/79																																				15	15				
78/77																																				17	17				
76/75																																				22	22				
74/73																																				31	31				
72/71																																				31	31		2		
70/69																																				49	49		9		
68/67																																				54	54		19		
66/65																																				48	48		27		
64/63																																				49	49		38		
62/61																																				59	59		67		
60/59																																				50	50		97		
58/57																																				26	26		74		
56/55																																				34	34		65		
54/53																																				9	9		67		
52/51																																				10	10		38		
50/49																																				3	3		37		
48/47																																						7	7		53
46/45																																								38	
44/43																																								18	
42/41																																								11	
40/39																																								7	
TOTAL																																						522	522		522

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 37 F	≥ 73 F	≥ 80 F	≤ 93 F	
Rel. Hum.	2304649	33751	64.7	15.328	522							
Dry Bulb	2289549	34355	65.8	7.396	522			41.7	17.6	4.1		93
Wet Bulb	1774267	30321	58.1	5.002	522			5.3				93
Dew Point	1471473	27557	52.8	5.563	522							93

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/WAC

# PSYCHROMETRIC SUMMARY

**14077**      **BAUMHOLDER GERMANY AAF**

**65-66,6**

**AUG**

STATION

STATION NAME

YEARS

PAGE 1      1800-2000

NO. OF HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
84/83							1.5	1.5										2	2						
78/77						1.5												1	1						
74/73						1.5	1.5											2	2						
72/71					1.5													2	2						
70/69					2.9	1.5	2.9											3	3		2				
68/67					1.5		1.5											2	2		1				
66/65			1.5	2.9	2.9													3	3		1				
64/63		4.4		1.5	7.4													9	9		1				
62/61		1.5	1.5	2.9	4.4													7	7		3				
60/59		2.9	2.9	4.4	4.4													10	10		4				
58/57	2.9	1.5	2.9	1.5	4.4													9	9		9				
56/55	1.5		4.4	2.9	2.9													8	8		6				
54/53			5.9															4	4		5				
52/51																					5				
50/49		2.9																2	2		15				
48/47																					8				
46/45																					6				
44/43																					4				
40/39																					1				
TOTAL	4.4	13.2	19.1	16.2	30.9	5.9	5.9	2.9	1.5									68	68		68				

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature					
						< 60 F	60-66 F	67-73 F	74-80 F	> 80 F	Total
Rel. Hum.	356935	4829	71.0	14.458	68						
Dry Bulb	265015	4219	62.0	6.966	68		19.1	6.8	2.7		93
Wet Bulb	215630	3614	52.1	3.051	68		4.1				93
Dew Point	185740	3534	52.0	3.566	68						93

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAHMHOLDER GERMANY AAF  
STATION STATION NAME

68  
YEARS

AUG  
MONTH

PAGE 1 2100-2300  
CENTERS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
58/57	33.3																	2	2	2	2
56/55	16.7	50.0																4	4	1	1
54/53																					3
52/51																					3
TOTAL	30.0	50.0																6	6	6	6

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.	52188	558	93.0	7.668	6							93
Dry Bulb	18824	336	56.0	1.265	6							93
Wet Bulb	18172	320	53.0	2.098	6							93
Dew Point	17544	324	54.0	3.098	6							93

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF  
STATION STATION NAME

66  
YEARS

SEP  
MONTH

PAGE 1 0000-0200  
HOURS S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point													
56/55			80.0																1			1													
54/53		50.0																	1			1													
52/51																									1										
50/49																																			
TOTAL		50.0	50.0																		2		2		2										
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total																					
Ref. Hum.	14321		169		84.5		2	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	> 93 F	90																					
Dry Bulb	5948		109		54.5		2							90																					
Wet Bulb	5410		104		52.0		2							90																					
Dew Point	5000		100		50.0		2							90																					

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/14C

PSYCHROMETRIC SUMMARY

34077 BAUMHOLTER GERMANY AAF

65-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500  
 HOURS U.T.C.

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.	Dr. Bulb	Wet Bulb	Dew Point														
62/61		.6																1	1		1														
60/59		1.2	.6															3	3	1	1														
58/57	.6	5.3																10	10	4	3														
56/55	2.7	5.2																14	14	14	11														
54/53	4.7	4.7																15	16	19	13														
52/51	4.7	5.9																18	18	15	18														
50/49	5.9	11.2	1.6															32	32	31	17														
48/47	7.6	7.6																26	26	22	35														
46/45	2.9	4.7																13	13	15	19														
44/43	3.5	3.5																12	12	11	18														
42/41	1.8	2.9																8	8	10	7														
40/39	3.5	1.2																8	8	7	11														
38/37	1.8	.6																4	4	5	6														
36/35	1.2	.6																3	3	3	3														
34/33	1.2																	2	2	3	2														
32/31																					1														
TOTAL	42.4	55.3	2.4															170	170	170	170														
Element (X)	Σx²		Σx		X		*x		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.	1535440		16134		94.9		5.002		170		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90																		
Dry Bulb	408569		8279		48.7		5.643		170								90																		
Wet Bulb	395621		8149		47.9		5.437		170								90																		
Dew Point	385458		8042		47.3		5.452		170								90																		

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF  
 STATION

65-70  
 YEARS

SEP  
 MONTH

PAGE 1 0600-0800  
 HOURS

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.	Wet Bulb Dew Point																			
68/67				.2																													1	1				
66/65			.2																														1	1				
64/63			.4	.4																													4	4				
62/61		1.0	.6	.6																													11	11	3			
60/59	.2	1.6	1.7																														14	14	11	7		
58/57	.6	7.0	1.9	.4																													51	51	27	13		
56/55	2.7	6.2	1.6	.2																													55	55	56	43		
54/53	1.4	8.4	3.1	.4																													68	68	59	49		
52/51	1.6	8.9	2.5	.4																													69	69	54	59		
50/49	2.1	13.2	2.1																														90	90	87	83		
48/47	3.3	9.7	.4																														69	69	107	89		
46/45	2.3	4.5	.2																														36	36	46	82		
44/43	1.0	1.2																															11	11	24	38		
42/41	1.2	2.1																															17	17	15	16		
40/39	.8	.8																															8	8	16	16		
38/37	1.0	.2																															6	6	6	13		
36/35		.2																																1	1		3	
34/33		.2																																1	1	1	1	
32/31	.2																																	1	1	2	1	
30/29																																			1	1	1	1
TOTAL	18.3	65.2	14.0	2.5																														514	514	514	314	
Element (X)	Σ X <sup>2</sup>	Σ X	Σ X̄	Σ X̄ <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	4251093	46611	90.7	6,879	514	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90																										
Dry Bulb	1359314	26292	51.2	5,304	514		.2	.2				90																										
Wet Bulb	1280873	25531	49.7	4,979	514		.4					90																										
Dew Point	1220981	24919	48.3	3,013	514		.4					90																										

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

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

SEP

STATION

STATION NAME

YEARS

PAGE 1

0900-1100  
HOURS

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 Point																		
76/73					.2																													2	1				
74/73					.2																													2	2				
72/71					.2	.4																												3	3				
70/69				.4	1.0	.2																												10	10				
68/67			.4	.8	1.0	.6																													17	17	1		
66/65			1.0	3.1	2.1	.6	.4		.2																										37	37	2		
64/63		.2	1.2	2.9	1.9	1.4																													41	41	5		
62/61		.6	1.7	2.5	1.6	1.2	.4																												39	39	24		
60/59	.2	2.5	3.9	2.3	1.9	1.4																													63	63	13		
58/57		3.9	3.7	3.7	1.6	.2																													67	67	59		
56/55	.4	3.3	4.5	3.7	1.7	.2																														71	71	68	
54/53	.4	4.3	6.4	2.7	.8																															75	75	69	
52/51	.8	5.4	3.9	1.4																																59	59	82	
50/49		3.5	1.2	.4																															26	26	101		
48/47		1.0																																	5	5	49		
46/45																																				20		84	
44/43																																						24	
42/41																																						13	
40/39																																						2	
38/37																																							
TOTAL		1.7	24.6	27.7	23.8	14.1	6.0	1.6	.2	.2																									516	516	516		
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																							
Rel. Hum.	3031322	39092					75.6	12.370	516	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≤ 93 F																								
Dry Bulb	1736473	29803					57.8	5.418	516			5.8	.5																									90	
Wet Bulb	1473424	27482					53.3	4.349	516			.2																										90	
Dew Point	1289909	25673					49.8	4.903	516																													90	

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMFOLDER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

SEP  
MONTH

PAGE 1 1200-1400  
HOURS G. S. T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	≥ 31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point															
80/ 79							.2	.6																									4	4			
78/ 77							.4	.2																									3	3			
76/ 75							.6	.8																									2	2			
74/ 73							.8	.8																									12	12			
72/ 71				.2	.5	1.8	1.8	.2	.2																								24	24			
70/ 69				.2	1.8	2.0	1.4	.2	.2																								27	27			
68/ 67				2.4	1.8	2.8	1.0	.2	.2																								44	44	2		
66/ 65				2.4	2.6	3.2	1.0	.2	.2																								44	48	12		
64/ 63		.2	.8	2.0	2.8	2.4	1.0	.4	.2																								48	48	15		
62/ 61		1.0	1.6	2.4	2.2	1.2	2.2																										53	53	34	6	
60/ 59		1.4	1.4	3.0	2.8	2.6																											56	56	66	14	
58/ 57		2.0	2.6	4.9	4.0	1.0																											74	74	51	43	
56/ 55		2.4	1.6	3.8	.8																												43	43	74	38	
54/ 53	.4	1.2	2.4	.8	.4																												26	26	78	58	
52/ 51		3.2	1.4	.4																													23	23	74	70	
50/ 49		1.8	.2																														17	17	73	74	
48/ 47		.2																															1	1	23	69	
46/ 45																																		4	4	51	
44/ 43																																				35	
42/ 41																																				24	
40/ 39																																				17	
38/ 37																																				5	
36/ 35																																				2	
TOTAL	.4	13.2	12.1	22.1	19.6	18.2	10.7	3.2	.6																									506	506	506	
Element (X)	Σ x²	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	Σ x	No. Obs.	Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Rel. Hum.	2327846	33578	66.4	14,045	506																																
Dry Bulb	1949749	31245	61.7	6,356	506																																
Wet Bulb	1539486	27814	55.0	4,581	506								21.7	4.8																						90	
Dew Point	1270130	25208	49.8	3,324	506								.4																							90	

USAF ETAC FORM 34-A 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAG

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

SEP

STATION

STATION NAME

YEARS

PAGE 1 1500-1700

HOURS U.S.

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. WB	Dry Bulb	Wet Bulb	Dew Point			
78/77							.6	.4										5	5					
76/75							.4	1.6										10	10					
74/73						.8	.2	.4										9	9					
72/71						.4	2.4	.2		.2								16	16					
70/69						2.8	1.8	1.0	.2									29	29					
68/67				.6	1.8	3.2	.2	.6										32	32	3				
66/65			.4	2.6	2.4	2.8	.8	.4										47	47	11				
64/63			1.4	2.8	2.4	1.4	1.4	.4										47	47	14	5			
62/61			1.2	2.6	2.2	2.0	.8	.2										45	45	31	4			
60/59		.6	.8	3.6	3.7	2.4												56	56	50	9			
58/57		2.6	2.6	3.1	3.7	1.0	.2											77	77	61	30			
56/55	.6	4.1	3.6	3.4	.4													61	61	63	67			
54/53	1.2	1.0	1.2	2.8														31	31	87	44			
52/51		2.0	1.0	.4														17	17	82	74			
50/49		.4	3.2	.8														21	21	64	66			
48/47		.2	.6															4	4	36	75			
46/45																				5	59			
44/43																					43			
42/41																					17			
40/39																					11			
38/37																					2			
36/35																					2			
32/31																					1			
TOTAL	2.4	14.0	12.6	23.7	20.5	17.4	7.1	2.2	.2									507	507	507	507			

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2479364	24730	68.5	14.08	507	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1900461	30867	60.9	6.477	507			17.9	4.3			90
Wet Bulb	1523103	27691	54.6	4.597	507			.5				90
Dew Point	1274154	25286	49.9	5.078	507		.2					90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-66

SEP

STATION

STATION NAME

YEARS

MONTH

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	W.B.	Div Bulb	Wet Bulb	Dew Point														
70/ 69				3.3														2	2																
68/ 67					1.7		1.7											2	2																
66/ 65			1.7	3.3	1.7													4	4		1														
64/ 63																																			
62/ 61				8.3	1.7													6	6		1														
60/ 59			1.7	10.0														7	7		2														
58/ 57			3.3	1.7	5.0													6	6		2														
56/ 55	1.7	1.7	6.7	6.7														10	10		8														
54/ 53		1.7	8.3	6.7														10	10		3														
52/ 51		3.3	3.3	1.7														3	3	10	6														
50/ 49	1.7	8.3																6	6	14	7														
48/ 47		3.3																2	2	9	12														
46/ 45																				1	11														
44/ 43																					3														
42/ 41																					2														
TOTAL	3.3	18.3	33.3	35.0	8.3		1.7												60		60	60													
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ x	No. Obs.	Mean No. of Hours with Temperature					Total																						
Rel. Hum.	374951		4701		78.4	10,599	60	≤ 0 F	≤ 32 F	≥ 67 F	≥ 72 F	≥ 80 F	≥ 93 F	90																					
Dry Bulb	195408		3408		56.8	5,373	60			6.0				90																					
Wet Bulb	168452		3168		52.8	4,473	60							90																					
Dew Point	150599		2993		49.9	4,691	60							90																					

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

OCT

STAT ST

STATION NAME

YEARS

MONTH

PAGE 1 0300-500

HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	17-18	19-20	21	22	23-24	25	26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
60/59		.6	.6																														2	2					
58/57	.6	1.7		.6																															5	5	3	1	
56/55	4.0	.6	1.1																																10	10	11	11	
54/53	4.0	4.6	.6																																16	16	7	8	
52/51	2.9	4.6	1.1																																14	14	15	11	
50/49	2.9	5.1	1.1	.6																															17	17	22	13	
48/47	2.9	2.9																																	10	10	10	19	
46/45	2.9	5.7																																	15	15	15	12	
44/43	5.7	3.4	.6																																17	17	18	19	
42/41	5.1	9.7		.6																															27	27	20	20	
40/39	2.9	4.0																																	12	12	18	11	
38/37	1.7	2.9																																	6	6	11	16	
36/35	1.7	2.3																																	7	7	6	10	
34/33	2.3	1.7																																	7	7	9	8	
32/31	.6	1.1																																	3	3	4	3	
30/29	.6	1.7																																	4	4	5	3	
28/27	.6																																		1	1	1	6	
26/25	.6																																		1	1	1	1	
TOTAL	40.6	52.6	5.1	1.7																																175	175	175	175
Element (X)	Zx'	Zx	X	X'	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	1531744	16318	93.2	7.642	175	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																												
Dry Bulb	364749	7893	45.1	7.092	175		4.3					93																											
Wet Bulb	349677	7727	44.2	6.988	175		5.3					92																											
Dew Point	336226	7564	43.2	7.306	175		6.9					93																											

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BALMOLDER GERMANY AAF

65-70

CT  
 MONTH

STATION

STATION NAME

YEARS

PAGE 1

0600-0800  
 HOURS U.S.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
66/65				.2														1	1																
62/61			.2		.2													2	2																
60/59		.9	.2	.2														7	7	1															
58/57	.2	2.6	1.1	.2														22	22	12	6														
56/55	1.7	3.4	.9															32	32	29	22														
54/53	2.4	4.9	1.3															46	46	45	33														
52/51	2.3	6.8	1.7															57	57	40	43														
50/49	2.6	6.8	1.1															56	56	67	63														
48/47	3.6	4.7	.9															49	49	52	62														
46/45	4.1	5.3	.4															52	52	52	43														
44/43	3.2	5.1	.8															48	48	50	50														
42/41	2.3	5.4	.2															42	42	43	34														
40/39	3.6	3.8	.9															44	44	48	56														
38/37	2.3	2.4	.2															26	26	32	36														
36/35	1.1	2.4																19	19	22	25														
34/33	.6	1.5																11	11	16	20														
32/31	.6	1.1																9	9	12	16														
30/29	.8	.9																9	9	11	15														
28/27	.2																	1	1	1	7														
TOTAL	31.3	58.0	9.9	.6	.2													533	533	533	533														
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	4536546	49198	92.2	7.051	533	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																							
Dry Bulb	1168824	24678	46.3	7.021	533		3.3					93																							
Wet Bulb	1112859	24083	45.2	6.817	533		4.2					93																							
Dew Point	1064421	23519	44.1	7.075	533		6.6					93																							

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

JUL 64

USAF ETAC

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14077 BALMHOLDER GERMANY AAF

65-70

OCT

STATION

STATION NAME

YEARS

PAGE 1 0900-1100

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. Div Bulb	Wet Bulb Dew Po																		
76/75										.2																							1	1			
72/71										.2																							1	1			
70/69										.2																							1	1			
68/67						.2	.6			.2																							5	5			
66/65				.2			.2																										2	2			
64/63				.4	.7		.9			.2																							12	12	1		
62/61				1.7	.9		.6																										17	17	5		
60/59			.7	2.2	1.9	.4				.2																							29	29	6	3	
58/57	.2	4.5	2.2	2.4																													56	56	24	7	
56/55	.6	5.2	3.4	1.3	.4																												59	58	37	31	
54/53	.8	5.2	4.1	1.3	.2																												61	61	37	51	
52/51	1.5	5.8	3.7	.6	.2																												63	63	69	52	
50/49	1.3	4.1	3.4	1.9	.6																												66	66	65	73	
48/47	.7	3.2	2.4	1.3																													41	41	63	58	
46/45	1.1	3.9	2.4	.9	.2																												46	46	49	61	
44/43	.6	3.0	2.4		.2																												33	33	40	32	
42/41	1.1	2.4	1.9	.2																													27	27	47	40	
40/39	1.1	.4	.4	.2																													11	11	29	46	
38/37		1.5	.6																														11	11	16	19	
36/35			.6																														3	3	11	32	
34/33		.4																															2	2	3	13	
32/31																																				4	6
30/29																																				2	2
28/27																																				5	5
26/25																																				3	3
TOTAL	8.8	40.4	31.5	13.9	4.5	.7	.2																											534	534	594	
Element (X)	Zx'	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	3587017	43945	82,311,510	534	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb	1429036	27398	51,36,615	534			1.4	.2			93																										
Wet Bulb	1272776	25868	48,46,076	534			.7				93																										
Dew Point	1147901	24493	45.96,777	534			2.8				93																										

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF 65-70

CT

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	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point			
78/77																													1	1					
76/75												.2	.2																2	2					
74/73											.2	.6																	4	4					
72/71											.2	.4																	3	3					
70/69											.2	.8	.6																8	8					
68/67						.4	.8	.6			.4	.6																	17	17					
66/65				.4	.8	1.0	1.0	.4	.2																				19	19					
64/63				.8	1.8	.8	.6	.4																					22	22	6				
62/61			.4	1.0	1.0	3.5	.8	.4																					36	36	9	1			
60/59			1.8	3.1	2.9	1.8	.2																						30	30	25	4			
58/57			3.7	1.8	3.1	1.0																							45	49	40	11			
56/55			3.3	3.9	2.5	1.6	.6																						61	61	61	35			
54/53		.2	2.7	2.1	1.8	1.0	.4																						42	42	67	54			
52/51		1.2	4.7	2.5	3.5	1.8																							70	70	69	46			
50/49		.2	2.9	2.5	3.7	2.1	.2																						60	60	51	81			
48/47		.4	.6	.8	1.0	.6																							17	17	47	65			
46/45		.2	.6	1.4	.4	.8																							20	20	44	45			
44/43		.4	.6	.8	.6																								13	13	40	22			
42/41		.8	.4		.2																								7	7	24	34			
40/39		.6	.2	.8	.2	.2																							10	10	15	31			
38/37					.4																								2	2	9	32			
36/35																															3	19			
34/33																																13			
32/31																														3	6				
30/29																																4			
28/27																																5			
26/25																																1			
22/21																																1			
20/19																																1			
TOTAL	4.1	21.8	22.4	24.2	17.0	6.2	3.3	1.0																					513	513	513	93			
Element (X)	$\Sigma x^2$	$\Sigma x$		$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total																						
Rel. Hum.	2852618	37550		73.2	14.237	513	< 0 F	= 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total																						
D. Bulb	1591841	28343		55.2	7.113	513			6.3	1.3			93																						
Wet Bulb	1324898	25886		50.5	6.042	513			.5				93																						
Dew Point	1126205	23761		46.3	7.073	513			3.3				93																						

USAF ETAC FORM 0-26-5 (OL A) REV. 10 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/AC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF  
 STATION STATION NAME

65-70  
 YEARS

OCT  
 MONTH

PAGE 1 1500-1700  
 HOURS

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 Point														
78/77						.2		.2										1	1																
76/73								.2										2	2																
72/71					.2			.4										3	3																
70/69				.2		.8												5	5																
68/67				.2	.8		.2											6	6																
66/65				.8	.4	.6												9	9																
64/63		.4	.8	1.0	.2	.2		.2										14	14	3															
62/61	.2	.8	2.4	1.2														23	23	4															
60/59	1.8	2.8	2.0	1.4	.4													42	42	13	3														
58/57	.4	3.8	3.6	2.8	.4	.4												56	56	31	15														
56/55	.6	4.4	4.4	3.0	.8	.4												68	68	65	27														
54/53	.8	3.6	3.8	1.6	.4													51	51	36	53														
52/51	.6	3.6	3.8	1.8	1.													54	54	62	60														
50/49	.6	3.4	2.6	2.8	1.6													55	55	70	57														
48/47	.2	1.4	3.4	1.8														34	34	35	60														
46/45	.2	1.6	1.8	.8	1.2													28	28	42	41														
44/43	.6	2.0	.2	.4	.2													18	18	46	35														
42/41	1.0	1.4	.4	.4														15	16	33	30														
40/39	.4	.2	.8	.2														8	8	13	45														
38/37	.6		.4	.2														6	6	12	29														
36/35			.2															1	1	3	17														
34/33			.2															1	1	4	9														
32/31																				1	4														
30/29																				1	6														
28/27																					7														
26/25																					2														
24/23																					1														
<b>TOTAL</b>	<b>6.2</b>	<b>27.3</b>	<b>29.5</b>	<b>22.2</b>	<b>10.6</b>	<b>3.4</b>	<b>.4</b>	<b>.2</b>	<b>.2</b>									<b>501</b>	<b>501</b>	<b>501</b>	<b>501</b>														
<b>Element (X)</b>	<b>Zx²</b>	<b>Zx</b>	<b>X̄</b>	<b>σx</b>	<b>No. Obs.</b>	<b>Mean No. of Hours with Temperature</b>					<b>Total</b>																								
Rel. Hum.	3082182	39736	77.4	12.971	501	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																										
Dry Bulb	1452714	26760	53.4	6.858	501		3.2	.6													93														
Wet Bulb	1248717	24825	49.4	6.102	501			.4													93														
Dew Point	1092024	29124	46.2	7.031	501			3.7													93														

USAFETAC FORM 0-26-5 (OL A) 1 JUL 64  
 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BA.M.FOLDER GERMANY AAF  
STATION

65-66  
YEARS

OCT  
MONTH

PAGE 1 1800-2000  
HOURS

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				1.6																		1	1												
66/65				3.2																		2	2												
64/63			1.6																			1	1												
62/61																									1										
60/59		1.6	3.2																			3	3	3	1										
58/57		1.6																				1	1	2	2										
56/55	3.2	8.1	1.6																			5	8	6	6										
54/53	3.2	4.8	1.6																			6	6	7	7										
52/51	4.8	3.2	1.6	1.6																		7	4	7	7										
50/49		8.1	3.2	1.6																		9	8	2	3										
48/47	1.6	1.6	1.6	1.6																		4	4	5	3										
46/45	1.6	3.2	6.9																			7	7	6	7										
44/43		1.6	3.2																			3	3	3	3										
42/41	3.2	3.2																				4	4	7	6										
40/39	1.6	1.6	1.6																			3	3	4	2										
38/37		1.6	3.2																			3	3	1	8										
36/35																							3	2	2										
34/33																								1	1										
32/31			1.6																			1	1		2										
30/29																								1											
28/27																									1										
24/23																									1										
TOTAL	19.4	40.3	30.6	9.7																		62	62	62	62										

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$> 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel Hum.	466230	3342	86.2	9.882	62							
Dry Bulb	156797	3083	49.8	7.348	62		1.5	1.5				53
Wet Bulb	43721	2931	47.5	7.314	62		1.5					93
Dew Point	133293	2891	46.7	5.124	62		6.0					93

USAFETAC FORM 84 G-26-5 (O.L.A.) REVERSE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF 65-70 NOV  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0300-0500  
 HOURS L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25	26-27	28	29	30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
58/57			.6																			1	1												
56/55			.6																			1	1												
54/53	.6	.6		.6																		3	3	2	1										
52/51																								2	1										
50/49		2.5	.6																			5	5	3	1										
48/47		.6		.6																		2	2	3	4										
46/45		1.9			1.3																	5	5	3	2										
44/43	1.3	2.5	1.3																			8	8	5	5										
42/41	3.1	8.1	1.3																			20	20	20	12										
40/39	2.5	6.3	.6																			15	15	11	15										
38/37	1.3	5.0	.6																			11	11	13	10										
36/35	4.4	3.8																				13	13	16	17										
34/33	3.8	2.5	.6																			11	11	12	15										
32/31	9.4	3.0	.6																			22	22	24	20										
30/29	6.3	2.5																				14	14	16	20										
28/27	5.6	.6																				10	10	11	10										
26/25	4.4	1.3																				9	9	7	11										
24/23	1.9	1.3																				5	5	6	7										
22/21	1.3																					2	2	3	4										
20/19	.6																					1	1	1	1										
18/17		.6																				1	1	1	1										
16/15																																			
14/13	.6																					1	1	1	1										
10/9																																			
TOTAL	46.9	43.8	6.9	1.3	1.3																	160	160	160	160										
Element (X)	Zx'	Zx	X	X	No. Obs.	Mean No. of Hours with Temperature							Total																						
Rel. Hum.	1367975	14723	92.0	9,106	160	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	> 80 F	≤ 93 F	Total																							
Dry Bulb	211836	5686	35.5	7,839	160		36.6					90																							
Wet Bulb	200076	5598	34.6	7,265	160		39.4					90																							
Dew Point	185972	5330	33.3	7,276	160		43.3					90																							

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65-70

JUN  
 MONTH

STATION

STATION NAME

YEARS

PAGE 1 0600-0800

HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
58/57			.6															3	3		
56/55				.6														3	3		
54/53		.2	1.2	.4														9	9	9	
52/51		.2	.2															2	2	7	1
50/49	.4	1.8	.4															13	13	12	12
48/47	.4	1.6	.2	.2	.2													13	13	9	11
46/45	.4	3.8	.4	.4	.2													26	26	12	10
44/43	1.0	3.2	1.0															26	26	26	14
42/41	3.4	5.1	.6															45	45	41	35
40/39	2.2	5.1	.8															40	40	48	38
38/37	1.0	4.3	.6															29	29	32	37
36/35	4.3	4.7																44	44	43	47
34/33	5.1	4.5	.6	.2														31	31	36	46
32/31	6.1	5.5	.4															59	56	58	61
30/29	7.7	3.6																56	36	67	72
28/27	5.3	1.6																34	34	36	42
26/25	2.4	1.0	.4															19	19	17	20
24/23	1.2	.4	.2															9	9	11	21
22/21	1.2																	6	6	9	12
20/19	.4																	2	2	2	4
18/17	.4	.2																3	3	2	1
16/15																					2
14/13	.4																	2	3	2	3
12/11																					3
TOTAL	43.3	46.8	7.7	1.8	.4													594	465	494	494
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	4166552	45160	91.4	8.798	494	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	562637	17701	35.8	7.748	494		34.7					90									
Wet Bulb	534107	17205	34.8	7.106	494		37.3					90									
Dew Point	577011	16513	33.4	7.125	494		43.9					90									

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



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 RAJMHOLDER GERMANY AAF

65-70

NDV

STATION STATION NAME

YEARS

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 Pt.																
62/61					.2																												2	2				
60/59					.4	.2																											3	3				
58/57					.2																												1	1				
56/55					.4																												2	2		1		
54/53				1.0	1.0																												10	10		4		
52/51		.6	.6		.2																												7	7		2		
50/49	.2	2.0	1.2																														17	17	17	16		
48/47	.2	1.6	.6																														13	13	13	11		
46/45	.8	4.5	.8	.2																													31	31	23	16		
44/43	1.2	5.9	2.4	.4																													49	49	36	30		
42/41	1.6	8.1	2.0																														58	58	43	35		
40/39	2.0	4.0	1.8	.4																													41	41	62	38		
38/37	.8	4.9	1.0	.4																													35	35	27	46		
36/35	2.0	4.0	1.4																														37	37	45	45		
34/33	3.2	6.3	.4																														59	59	61	49		
32/31	3.8	7.3	.2																														57	57	70	54		
30/29	2.8	2.6																															27	27	39	66		
28/27	2.6	1.0																															18	18	20	38		
26/25	2.0	1.0	.2																														19	19	19	21		
24/23	.4	.2	.4																														5	5	3	14		
22/21	.2	.2																															2	2	6	7		
20/19	.2																																1	1	1	2		
18/17																																				1	1	
14/13																																				1	1	
12/11																																				2	2	
TOTAL	26.9	54.3	14.4	3.8	.4																														494	494	494	
Element (X)	Zx'	Zx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum	3883439	43541	38.1	8.633	494	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 86 F	≥ 93 F																											
Dry Bulb	739053	18765	37.9	7.446	494					23.6																												90
Wet Bulb	591243	18043	36.5	6.716	494					28.8																												90
Dew Point	514704	17100	34.6	6.798	494					37.5																												90

REPRODUCED BY THE AIR FORCE ENGINEERING CENTER

USAFETAC FORM 0-26-5 (OL A) 1-54

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAWMHOLDER GERMANY AAF

65-70

MO

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Pt.		
66/65						.2												1	1				
64/63				.2														1	1				
62/61				.4	.4													2	2				
60/59				.4	.4													2	2				
58/57				.2	.4													3	3	1			
56/55				.4	.9													6	6	1			
54/53			1.1	1.7	.2													14	14	4	1		
52/51		.2	1.9	.2	.2													10	10	4			
50/49	.4	3.0	2.9	2.1	.2	.4												40	40	18	7		
48/47	.2	3.6	2.9	.6														32	32	29	18		
46/45	.6	3.6	2.8	1.9														42	42	43	30		
44/43	.4	4.5	3.2	2.3														49	49	34	26		
42/41		2.3	1.9	2.1														30	30	39	27		
40/39	1.7	2.6	1.9	.2	.2													31	31	48	45		
38/37	1.3	3.6	2.1	.2														35	35	43	37		
36/35	2.8	5.3	1.9															47	47	44	51		
34/33	2.1	5.3	.9															40	40	49	43		
32/31	3.6	3.6																34	34	49	66		
30/29	2.3	1.7																19	19	31	48		
28/27	2.3	1.7																19	19	15	36		
26/25	1.1	.2	.4															8	8	11	19		
24/23	.2	.2																2	2	1	5		
22/21	.4																	2	2	3	6		
20/19																					1		
18/17																					2		
16/15																					1		
14/13																					2		
12/11																					1		
TOTAL	19.8	41.6	22.6	12.8	2.6	.6												469	469	469	469		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3313721	38983	83.1	12.530	469	≤ 0 F	≤ 32 F	≤ 57 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	793075	18925	40.4	7.928	469		16.1					90
Wet Bulb	702121	17853	38.1	6.820	469		21.5					90
Dew Point	606084	16560	35.2	6.756	469		31.3					90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF 65-70 NDV  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1500-1700  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B. W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb Dew Point				
62/61				.4																2	2		
60/59					.2															1	1		
58/57			.2																	1	1		
56/55			.2	.4	.2															4	4	1	
54/53			.4	.3	.2															11	11	2	1
52/51		1.2	1.1	.4	.2															14	14	1	1
50/49			.7	.9																7	7	16	6
48/47	.4	3.1	3.6	1.1																37	37	19	12
46/45	.2	4.7	1.1	.2																28	28	27	14
44/43	2.0	5.2	4.7	.4																55	55	30	30
42/41	.2	2.9	2.5	1.6																32	32	32	43
40/39	2.0	2.5	3.6																	34	34	43	36
38/37	2.9	5.2	2.9																	45	45	36	40
36/35	1.8	3.8	.4																	27	27	53	43
34/33	3.6	5.4	.9																	44	44	41	38
32/31	4.0	4.5																		38	38	49	57
30/29	3.6	2.0																		25	25	34	55
28/27	3.4	1.1																		20	20	21	31
26/25	1.6	.7	.2																	11	11	9	19
24/23	.2	.2	.4																	4	4	4	10
22/21	.4	.2																		3	3	6	3
20/19																							2
14/13																							1
12/11																							2
TOTAL	26.5	43.6	22.9	6.1	.9															445	445	445	445

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3368071	38399	86.21	1.092	445	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	702414	17352	39.0	7.623	445		20.4					90
Wet Bulb	637072	16568	37.2	6.749	445		24.9					90
Dew Point	563522	15582	35.0	6.696	445		36.6					90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF

65

NOV  
 MONTH

PAGE 1 1800-2000  
 HOURS

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.G. W.B.	Dry Bulb	Wet Bulb	Dew Point
54/53		3.4																1	1		
52/51																				1	1
46/45		10.3																3	3	1	
44/43	6.9	3.4																3	3	5	4
42/41	6.9																	2	2	2	4
40/39	3.4	3.4		3.4														3	3	2	
38/37																					2
36/35		13.8																4	4	2	
34/33		3.4																1	1	3	3
32/31	6.9	6.9																4	4	4	3
30/29		3.4																1	1	2	2
28/27	6.9																	2	2	2	3
26/25	6.9																	2	2	2	4
24/23	6.9	3.4																3	3	3	1
22/21																					1
20/19																					1
TOTAL	44.8	51.7		3.4														29	29	29	29

Element (X)	$\sum x^2$	$\sum x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	248752	2676	92.3	8.066	29	= 0 F	= 37 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	38535	1033	35.6	7.880	29		37.2					90
Wet Bulb	36763	1009	34.8	7.692	29		40.3					90
Dew Point	34388	972	33.5	8.038	29		46.6					90

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMFELDER GERMANY AAF

65-70

DEC  
 MONTH

PAGE 1 0300-0500  
 HOURS L. S. T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
50/49		.8																1	1						
48/47		1.6																2	2	1	1				
46/45		.8																1	1	2	2				
44/43		1.6																2	2	2	1				
42/41	.8	3.2	.8															4	6	4	2				
40/39	1.6	5.6	.8															10	10	4	7				
38/37	4.8	2.4																9	9	14	7				
36/35	3.2	6.5	.8															13	13	9	8				
34/33	4.8	6.5																12	13	15	13				
32/31	4.8	3.2																10	10	16	13				
30/29	8.9	4.0																16	16	16	20				
28/27	6.5	1.6																10	10	10	9				
26/25	5.6	1.6																9	9	9	12				
24/23	4.8	.8																7	7	7	9				
22/21	3.2	2.4																7	7	4	6				
20/19	1.6	.8																3	3	5	1				
18/17	1.6																	2	2	2	3				
16/15		.8																1	1		3				
14/13	.8																	1	1	2	1				
12/11		.8																1	1	1	2				
10/9																					1				
8/7																					1				
TOTAL	52.4	45.2	2.4															124	124	124	124				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total														
Rel. Hum.	1069459	11483	92.6	7.029	124	$\leq 0$ F	$= 32$ F	$\geq 67$ F	$\geq 73$ F	$\geq 80$ F	$\geq 93$ F	Total													
Dry Bulb	129086	3898	31.4	7.299	124		50.2					93													
Wet Bulb	123744	3820	30.8	7.021	124		54.7					93													
Dew Point	114550	3656	29.5	7.412	124		60.7					93													

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

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

34077 BAUMHOLDER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

CEC  
MONTH

PAGE 1 0600-0800  
HOURS U.T. S.Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point				
50/49	.4	.2																3	3	3	3				
48/47		.9																4	4						
46/45	.4	1.7																10	10	8	4				
44/43		1.3	.2															7	7	7	8				
42/41	.4	2.6	.2															16	16	11	2				
40/39	1.3	3.8	.9															28	28	20	20				
38/37	3.0	4.8	.9															29	39	35	28				
36/35	1.3	5.6	.9															36	36	34	25				
34/33	4.1	7.5																54	54	59	42				
32/31	7.3	5.8																61	61	68	62				
30/29	6.0	2.1																38	38	47	50				
28/27	4.1	2.4																30	30	26	33				
26/25	4.5	2.8																34	34	34	33				
24/23	3.0	3.4																30	30	29	26				
22/21	4.5	1.7																29	29	34	29				
20/19	.6	1.9																12	12	12	21				
18/17	1.5	1.1																12	12	15	13				
16/15	1.5	.4																9	9	10	13				
14/13	1.7	.6																11	11	9	15				
12/11	.4	.2																3	3	5	13				
10/9	.4																	2	2	2	5				
8/7																					1				
6/5																					2				
TOTAL	46.4	50.6	3.0																468		468	468			
Element (X)	Zx <sup>2</sup>	Zx	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total														
Rel. Hum	3915586	42682	91.2	7.010	468	≤ 0 F	≤ 32 F	< 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	464112	14272	30.5	7.864	468		53.9					93													
Wet Bulb	441688	13934	29.8	7.579	468		57.8					93													
Dew Point	402776	13196	28.2	8.107	468		66.8					93													

USAF ETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 JUN 64

DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BAUMGARDNER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

DEC  
MONTH

PAGE 1 0900-1100  
HOURS

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 Point																		
50/ 49	.4	.2																																	3	3	3	3			
48/ 47			.2																																1	1					
48/ 45	.8	1.8	.2																																14	14	5	4			
44/ 43		2.0	.2																																11	11	14	7			
42/ 41	.6	2.7	.4																																	13	18	14	10		
40/ 39	1.6	5.7	1.0																																	41	41	25	19		
38/ 37	1.4	6.1	.6																																	40	40	43	30		
36/ 35	1.4	8.2	1.4																																	34	34	42	33		
34/ 33	2.3	10.2																																		61	61	38	49		
32/ 31	3.9	6.1																																		49	49	71	68		
30/ 29	4.9	3.1																																		39	39	31	72		
28/ 27	3.9	2.7																																		32	32	32	27		
26/ 25	2.7	4.1																																		33	33	26	37		
24/ 23	3.3	4.1																																		36	36	37	24		
22/ 21	.6	3.3																																		19	19	18	30		
20/ 19	.4	2.5																																		14	14	18	15		
18/ 17	1.8	1.0																																		14	14	25	17		
16/ 15	.6	.4																																		5	5	6	15		
14/ 13		.4																																		2	2	3	18		
12/ 11	.4																																			2	2	2	5		
10/ 9																																									5
<b>TOTAL</b>	<b>31.1</b>	<b>64.8</b>	<b>4.1</b>																																	<b>488</b>	<b>488</b>	<b>488</b>	<b>488</b>		
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature					Total																														
Rel. Hum.	3924725	43613	89.6	7.465	488	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																													
Dry Bulb	514996	15450	31.7	7.286	488		46.7					93																													
Wet Bulb	404577	14983	30.7	7.083	488		54.1					93																													
Dew Point	435211	14073	28.8	7.751	488		65.3					53																													

USAF ETAC FORM 34-1 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE





DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34077 BA MMOLDER GERMANY AAF

65-70

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1500-1700

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

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	TOTAL W.B. Dry Bulb	TOTAL Wet Bulb Dew Point
52/51			.5														2	2	3
50/49	.8	.8	.2														7	7	3
48/47																			4
46/45	.8	1.0	.3														6	6	5
44/43	1.5	2.0	.5														16	16	10
42/41	1.3	2.8	.5														16	18	13
40/39	1.5	3.1	1.5	.3													25	25	18
38/37	3.3	3.1	.8	.5													30	30	16
36/35	4.3	6.7	1.8	.9													58	58	31
34/33	5.9	9.4	.9														61	61	42
32/31	6.1	4.3															41	41	67
30/29	4.1	2.6															26	26	27
28/27	3.3	2.8															26	24	24
26/25	1.8	5.4															28	26	26
24/23	2.0	4.1															24	24	27
22/21	1.3	1.5															11	11	29
20/19	1.0	2.3															13	13	11
18/17																			6
16/15																			9
12/11																			1
10/9																			1
TOTAL	39.0	53.8	6.4	.6													392	392	392
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								
Rel. Hum.	3227061	35421	90.4	8.361	392	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 93 F									
Dry Bulb	449582	12956	33.1	6.666	392		32.6				93								
Wet Bulb	421410	12598	32.1	5.504	392		47.7				93								
Dew Point	383660	11940	30.5	7.148	392		60.0				93								



DATA PROCESSING DIVISION  
USAF ETAC  
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

36077 HAUMHOLDER GERMANY AAF  
STATION STATION NAME

65-70  
YEARS

HRS (LST)	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN S D TOTAL OBS						35.7		57.7	54.5				56.1 1,542
03-05	MEAN S D TOTAL OBS	29.8 6.833 118	31.2 6.719 122	33.5 7.330 165	38.7 6.898 169	45.4 6.977 173	52.3 5.387 181	59.8 5.170 177	52.5 5.827 181	48.7 5.643 170	45.1 7.092 172	35.5 7.839 160	31.4 7.399 124	42.4 10,165 1921
06-08	MEAN S D TOTAL OBS	29.8 6.866 409	31.3 6.236 464	34.6 7.439 516	41.3 7.240 518	50.4 6.678 522	56.8 6.499 560	58.4 6.233 521	56.5 5.823 527	51.2 5.304 514	46.4 7.011 532	35.1 7.748 495	30.5 7.864 468	44.2 12,610 8080
09-11	MEAN S D TOTAL OBS	31.2 6.433 429	33.4 7.705 486	39.1 7.358 513	46.8 6.934 519	50.6 7.856 560	61.7 7.941 540	65.0 7.891 521	62.9 7.049 537	57.8 5.418 516	51.3 6.615 524	37.9 7.446 495	31.7 7.286 488	48.4 14,136 8128
12-14	MEAN S D TOTAL OBS	33.4 6.243 429	36.2 7.527 474	42.6 7.852 482	49.6 6.932 478	59.0 6.703 508	64.9 8.517 540	67.0 9.060 522	66.4 7.666 522	61.7 6.356 504	55.2 7.113 512	40.4 7.928 469	33.6 6.495 450	51.6 14,744 5944
15-17	MEAN S D TOTAL OBS	32.6 6.417 380	38.6 7.797 452	42.2 7.412 482	49.5 6.802 478	58.8 6.595 527	64.4 8.491 540	66.6 9.087 522	65.8 7.396 522	60.9 6.477 507	53.4 6.838 501	37.0 7.622 465	33.1 6.666 492	51.4 14,728 5728
18-20	MEAN S D TOTAL OBS	28.6 6.099 29	29.0 6.417 26	30.0 7.339 62	33.2 6.304 60	37.5 7.744 62	44.2 7.961 50	60.6 6.266 62	52.0 6.966 62	56.8 5.373 60	49.6 7.349 62	35.6 7.680 29	36.7 6.075 27	50.9 13,343 627
21-23	MEAN S D TOTAL OBS						37.5		56.0 1,265					34.4 1,302 8
ALL HOURS	MEAN S D TOTAL OBS	31.6 6.689 1794	33.4 6.130 2108	39.1 6.330 2201	46.2 6.923 2242	52.2 6.906 2250	61.2 8.671 2024	62.1 8.971 2248	62.0 8.201 2374	57.1 7.473 2275	51.0 7.803 2312	38.0 7.894 2098	32.2 7.229 1849	48.4 14,242 24454

DATA PROCESSING DIVISION  
 USAP ETAC  
 AIR WEATHER SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34077 BAUMHOLDER GERMANY AAF  
 STATION STATION NAME

65-70  
 YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02						55.3		57.7	52.0				55.4
													2,466
03-05	29.7	30.5	32.8	37.3	44.2	50.4	52.1	51.4	47.9	44.2	34.6	30.8	41.4
	6.398	6.549	7.089	6.350	5.687	5.042	4.922	5.425	5.487	6.988	7.265	7.021	10,518
	119	193	164	169	178	181	177	181	170	175	160	124	1947
06-08	29.7	30.6	33.4	39.1	47.0	53.2	55.0	54.1	49.7	45.2	34.8	29.3	42.4
	6.399	7.975	7.166	6.383	5.450	5.423	5.209	5.085	4.979	6.817	7.106	7.579	11,483
	398	482	515	518	535	540	531	537	514	533	494	468	6063
09-11	30.4	32.1	36.5	42.1	49.3	55.1	57.1	57.0	53.3	48.4	36.5	30.7	44.5
	8.092	7.272	6.494	6.606	5.729	5.826	5.780	5.150	4.949	6.073	6.716	7.083	11,788
	423	486	513	515	540	540	531	527	510	534	494	488	6123
12-14	32.0	34.1	38.6	43.7	50.8	56.3	58.4	58.3	55.0	50.5	38.1	32.3	46.3
	7.777	6.883	6.259	6.376	5.935	5.807	6.029	5.399	4.581	6.642	6.820	6.902	11,613
	428	474	423	498	528	540	522	522	508	513	469	450	5943
18-17	31.7	33.7	38.3	43.5	50.6	56.3	58.3	58.1	54.6	49.6	37.2	32.1	46.3
	7.965	6.984	6.190	6.266	5.610	5.606	5.922	5.032	4.597	6.102	6.769	6.504	11,359
	378	452	482	478	537	540	522	522	507	501	465	382	5736
18-20	26.6	34.4	37.2	44.3	50.2	57.1	55.1	54.1	52.8	47.6	34.8	30.0	46.3
	10.913	7.789	6.231	6.726	5.372	4.820	4.589	5.051	4.475	7.314	7.692	5.800	10,913
	27	86	62	60	82	60	62	68	60	62	29	27	635
21-23						57.5		55.0					55.6
								2.098					2,134
						2		6					8
ALL HOURS	30.8	32.5	36.4	41.5	49.1	54.9	56.8	56.4	52.7	46.0	36.5	31.2	44.6
	8.187	7.542	6.799	6.509	6.011	5.870	5.940	5.576	5.209	6.722	7.007	6.791	11,660
	1749	2103	2189	2242	2380	2406	2348	2376	2279	2318	2091	1949	24663

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34077 BAUMHÖLDER GERMANY AAF 65-70  
 STATION STATION NAME YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02						55.0		57.7	50.0				54.8
													3,240
						3		3	2				8
05-09	28.9	29.0	31.3	35.4	42.5	48.9	50.8	50.6	47.1	43.2	33.3	29.5	40.0
	9.059	9.196	7.980	6.948	5.938	5.386	5.089	5.345	5.452	7.306	7.276	7.412	10.830
	118	153	164	169	178	181	177	181	170	173	160	124	1947
06-08	23.3	29.0	31.4	36.2	43.9	50.4	52.5	52.3	48.5	44.1	33.4	28.2	40.4
	9.099	8.911	7.815	7.204	5.939	5.682	5.317	5.150	5.013	7.075	7.125	6.107	11.545
	396	482	515	518	525	540	531	537	514	533	494	468	6043
09-11	28.4	29.7	32.9	36.8	43.8	50.3	52.5	52.9	49.8	43.9	34.6	28.8	41.0
	8.977	7.993	7.119	7.570	6.363	6.066	6.029	5.446	4.909	6.777	6.798	7.751	11.417
	425	684	513	519	540	540	531	537	516	534	484	488	6123
12-14	29.3	30.7	32.6	37.0	43.6	50.3	52.7	52.8	49.8	46.3	35.3	30.1	41.5
	8.659	7.882	6.983	7.491	6.774	6.324	6.109	5.803	5.324	7.078	6.786	7.174	11.132
	428	474	483	498	538	540	522	522	506	513	489	450	5943
15-17	29.6	30.8	33.5	37.0	43.5	50.4	52.7	52.8	49.9	46.2	35.0	30.5	41.8
	8.711	7.872	6.993	7.496	6.362	6.127	5.989	5.663	5.078	7.031	6.696	7.148	10.975
	378	482	482	478	527	540	522	522	507	501	443	392	5736
18-20	24.2	32.4	33.9	40.2	44.0	52.3	51.3	52.0	49.9	45.7	33.5	35.1	49.0
	12.280	6.049	6.697	5.272	6.118	4.984	5.409	5.866	4.691	6.124	8.038	6.275	10.434
	27	26	62	60	62	60	62	62	60	62	29	2	633
21-23						37.5		34.0					54.9
								3,098					3,091
						2		4					8
ALL HOURS	29.8	30.0	32.7	36.7	43.6	50.2	52.4	52.3	49.8	45.4	34.3	29.4	41.1
	8.986	8.040	7.319	7.327	6.328	5.993	5.814	5.844	5.184	7.116	6.934	7.422	11.247
	1749	2103	2189	2242	2390	2406	2345	2376	2273	2318	2091	1749	28463

DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34077  
 STATION

BAUMHOLDER GERMANY AAF  
 STATION NAME

65-70  
 PERIOD

ALL  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	100.0	99.8	94.8	84.8	58.5	89.4	1769
FEB		100.0	100.0	100.0	100.0	99.8	97.2	90.7	77.7	46.4	86.9	2105
MAR		100.0	100.0	99.8	98.7	96.4	89.9	75.9	57.5	32.9	80.6	2199
APR		100.0	99.8	99.1	96.1	88.4	74.5	61.2	45.4	22.3	74.2	2242
MAY		100.0	100.0	99.7	94.6	80.6	64.3	48.6	32.4	15.3	69.1	2390
JUN		100.0	100.0	100.0	98.0	89.9	77.0	64.5	51.8	36.8	78.1	2406
JUL		100.0	100.0	100.0	98.1	89.5	72.6	54.8	37.8	18.2	72.8	2345
AUG		100.0	100.0	100.0	99.2	92.8	82.1	69.2	58.3	35.2	80.3	2376
SEP		100.0	100.0	100.0	99.6	96.9	87.9	74.8	49.9	26.9	79.9	2275
OCT		100.0	100.0	100.0	99.9	99.0	93.8	82.8	65.6	39.0	84.1	2318
NOV		100.0	100.0	100.0	100.0	99.9	98.1	92.2	81.6	57.3	88.9	2091
DEC		100.0	100.0	100.0	100.0	100.0	99.8	98.1	91.1	58.1	90.8	1949
TOTALS		100.0	100.0	99.9	98.7	94.4	86.4	73.6	61.2	37.8	81.3	26463



DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34077 BAUMHOLDER GERMANY AAF

6570

FEB

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
FEB	00-02												
	03-05	100.0	100.0	100.0	100.0	100.0	99.3	98.7	92.8	67.3	91.8	153	
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.5	92.5	60.6	90.8	482	
	09-11	100.0	100.0	100.0	100.0	100.0	98.6	93.0	76.5	40.7	86.4	486	
	12-14	100.0	100.0	100.0	100.0	99.2	91.8	76.8	53.3	30.6	81.2	474	
	15-17	100.0	100.0	100.0	100.0	99.8	93.1	82.3	64.4	34.3	83.2	492	
	18-20	100.0	100.0	100.0	100.0	100.0	98.2	94.6	78.6	44.6	87.7	56	
	21-23												
TOTALS		100.0	100.0	100.0	100.0	99.8	97.2	90.7	77.7	46.4	86.9	2103	









DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34077 BAUMHOLDER GERMANY AAF  
 STATION STATION NAME

65-70  
 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 O.S
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.7	3
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	95.0	83.4	45.9	88.2	181
	06-08	100.0	100.0	100.0	100.0	99.6	94.1	77.8	53.0	20.2	80.0	540
	09-11	100.0	100.0	100.0	99.6	90.6	63.4	37.2	20.4	8.5	67.6	540
	12-14	100.0	100.0	100.0	94.3	72.4	47.0	27.8	15.0	5.7	61.8	540
	15-17	100.0	100.0	99.8	92.0	73.5	49.4	31.7	17.8	6.1	62.3	540
	18-20	100.0	100.0	100.0	98.3	83.3	60.0	46.7	25.0	9.3	67.3	60
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2
TOTALS		100.0	100.0	100.0	98.0	89.9	77.0	64.5	51.8	36.8	78.1	2406













DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34077 BAHMHOLDER GERMANY AAF

65-70

DEC  
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
DEC	00-02												
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.4	95.2	70.2	92.6	124	
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.8	93.8	59.6	91.2	468	
	09-11	100.0	100.0	100.0	100.0	100.0	100.0	98.4	89.3	50.2	89.4	488	
	12-14	100.0	100.0	100.0	100.0	100.0	99.3	94.2	78.2	43.6	87.3	450	
	15-17	100.0	100.0	100.0	100.0	100.0	99.5	97.7	90.1	54.3	90.4	392	
	18-20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	70.4	93.9	27	
	21-23												
	TOTALS	100.0	100.0	100.0	100.0	100.0	99.9	98.1	91.1	58.1	90.8	1949	

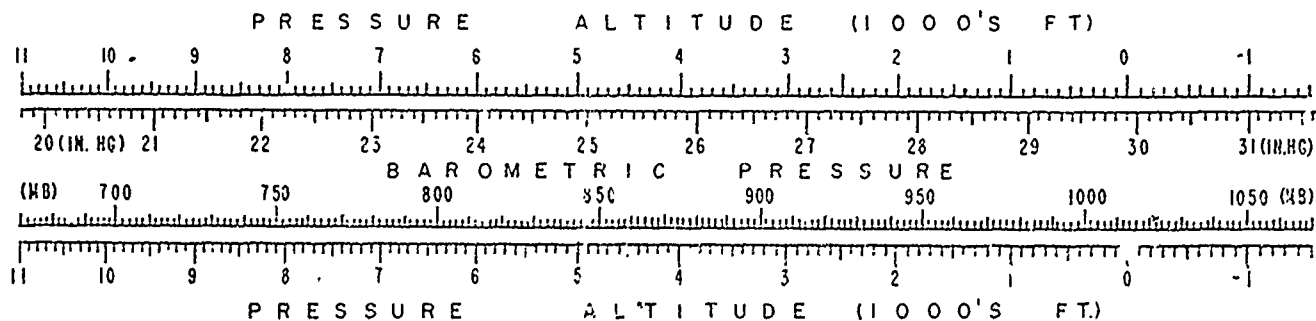
DATA PROCESSING DIVISION  
 ETAC/USAF  
 AIR WEATHER SERVICE (MAC)  
 ASHEVILLE, NORTH CAROLINA

## 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 to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure 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.



DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34077 BANGHOLDER GERMANY AAF

65-70

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN S D TOTAL OBS						28,600		28,120					
03	MEAN S D TOTAL OBS						28,570		28,140					
06	MEAN S D TOTAL OBS	28,404	28,298	28,443	28,414	28,453	28,521	28,524	28,476	28,484	28,529	28,369	28,370	28,440
09	MEAN S D TOTAL OBS	28,420	28,310	28,461	28,421	28,458	28,527	28,530	28,487	28,497	28,549	28,385	28,430	28,450
12	MEAN S D TOTAL OBS	28,410	28,305	28,458	28,407	28,449	28,519	28,520	28,477	28,486	28,535	28,372	28,387	28,440
15	MEAN S D TOTAL OBS	28,405	28,292	28,439	28,388	28,430	28,503	28,506	28,464	28,469	28,524	28,365	28,361	28,434
18	MEAN S D TOTAL OBS	28,416	28,202	28,541	28,323	28,498	28,479	28,415	28,468	28,402	28,468	28,266	28,233	28,415
21	MEAN S D TOTAL OBS								28,265					28,265
ALL HOURS	MEAN S D TOTAL OBS	28,410	28,296	28,455	28,403	28,450	28,516	28,513	28,474	28,483	28,529	28,368	28,379	28,444

DATA PROCESSING DIVISION  
 USAF ETAC  
 AIR WEATHER SERVICE/TAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

34077 BAUMHOLDER GERMANY AAF  
 STATION STATION NAME

66-67  
 YEARS

HRS. LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN												
	S D												
	TOTAL OBS.												
03	MEAN												
	S D												
	TOTAL OBS.												
06	MEAN	1018.6	1016.8	1016.7	1014.3	1011.6	1017.7	1014.3	1013.8	1014.4	1010.3	1014.8	1011.2
	S D	5.988	11.051	9.809	8.085	6.641	4.319	4.345	5.090	5.951	7.891	10.515	12.644
	TOTAL OBS.	31	28	31	30	31	30	55	62	60	56	53	32
09	MEAN	1019.2	1017.3	1017.4	1014.0	1011.5	1017.9	1014.3	1013.8	1014.6	1011.2	1013.6	1011.4
	S D	6.284	11.003	9.362	8.083	6.637	4.011	4.305	4.914	6.022	8.116	10.718	12.717
	TOTAL OBS.	31	28	31	30	31	30	55	62	60	56	53	32
12	MEAN	1018.6	1016.9	1017.0	1013.3	1010.8	1017.3	1014.0	1013.5	1014.1	1010.6	1014.9	1010.7
	S D	6.158	10.899	9.095	7.870	6.713	4.190	4.244	4.879	6.135	8.181	10.637	12.549
	TOTAL OBS.	31	28	31	30	31	30	55	62	60	53	49	32
15	MEAN	1018.4	1016.4	1016.0	1012.6	1010.0	1016.9	1013.5	1013.1	1013.5	1010.0	1014.7	1011.7
	S D	6.330	10.201	9.012	7.635	6.978	4.207	4.083	4.944	6.221	8.118	10.616	13.145
	TOTAL OBS.	31	28	31	30	31	30	55	62	60	56	52	32
18	MEAN						1012.1	1013.4	1016.6	1008.6			
	S D						3.471	5.435	5.122	7.306			
	TOTAL OBS.						24	31	30	31			
21	MEAN												
	S D												
	TOTAL OBS.												
ALL HOURS	MEAN	1018.7	1016.8	1016.8	1013.5	1011.0	1017.4	1013.6	1013.5	1014.4	1010.5	1013.0	1011.2
	S D	6.123	10.652	9.223	7.846	6.697	4.148	4.192	4.984	5.999	7.961	10.550	12.624
	TOTAL OBS.	124	112	124	120	124	120	244	279	270	232	207	131