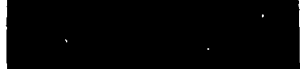


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USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

BAD KREUZNACH GERMANY AAF WBAN #34070
N 49 52 E 007 53 ELEV 355 FT EDEH WMO #

PARTS A-F
POR FROM HOURLY OBS NOV 59-DEC 70
POR FROM DAILY OBS APR-SEP 60, JAN-DEC 64,
JAN, FEB, APR-NOV 65,
MAR-DEC 66, FEB-DEC 67,
JAN 68-DEC 70

MAR 0 3 1972

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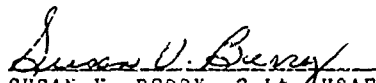
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SUSAN V. BERRY, 2 Lt USAF
Information Retrieval
Manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

02 10872-02

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1 REPORT NUMBER USAFETAC/DS-80/033	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Bad Kreuznach AAF, Bad Kreuznach, Germany		5 TYPE OF REPORT & PERIOD COVERED Final rept.
		6 PERFORMING ORG REPORT NUMBER
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperature Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative humidity *Climatological data (over)		
20 ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Bad Kreuznach AAF, Bad Kreuznach, Germany It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over))		

DD FORM 1 JAN 73 1473

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

* Germany

* Bad Kreuznach 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.

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DATA PROCESSING DIVISION
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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

JULY

OCTOBER 00-02, 21-23

FEBRUARY 00-02, 21-23

MAY 00-02, 21-23

AUGUST 00-02, 21-23

NOVEMBER 00-02, 21-23

MARCH 21-23

JUNE 00-02, 21-23

SEPTEMBER

DECEMBER

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WFO NUMBER	
34070		BAD KREUZNACH GERMANY AAF		N 49 52		E 007 53		355		EDEH			
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)	TYPE OF BAROMETER			
1	Bad Kreuznach Germany			AAF	Nov 59	Dec 70	N 49 52	E 007 53	355	N/A	8 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	Nov 59 to Feb 61	Located 40 ft E of bldg on top of tower	AN/GMQ-11	None	50 ft	
2	Mar 61 to Feb 62	Located on mast on tower.	No chge	None	60 ft	
3	Mar 62 to Feb 63	Located on top of tower cab.	No chge	None	80 ft	
4	Mar 63 to Feb 67	Located on top of control tower.	No chge	None	55 ft	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER		
5	Mar 67 to Feb 69	Located on control tower.	No chge	None	50 ft	
6	Mar 69 to Dec 70	Located atop operations bldg.	No chge	None	15 ft	

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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-WBAN 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/TAC

WEATHER CONDITIONS

34070
 STATION

BAD KREUZNACH GERMANY AAF
 STATION NAME

59-70
 YEARS

ALL
 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		7.8	.8	7.6		15.9	35.3	53.2			70.3	3632
FEB		.0	8.5	.1	7.9		16.0	22.8	48.4	.0		59.2	3379
MAR		.0	7.9	.0	2.5	.0	10.3	14.4	43.7			48.6	4094
APR		.1	8.4		.1		8.6	8.6	34.2			35.8	4179
MAY		.5	7.3			.0	7.3	8.0	24.7			27.3	4205
JUN		1.3	7.0				7.0	6.7	23.0			24.5	4196
JUL		.8	4.2				4.2	5.4	17.6			19.3	4103
AUG		1.1	6.6				6.6	11.0	27.2			31.1	4208
SEP		.3	4.4				4.4	20.6	32.1			61.7	3935
OCT		.0	8.1				8.1	35.8	47.6			62.9	4082
NOV			14.0	.2	3.1		16.8	36.2	50.7			64.6	3814
DEC		.1	9.2	.4	4.9		13.9	50.0	44.0			75.0	3779
TOTALS		.4	7.8	.1	2.2	.0	9.9	21.4	38.9	.0		48.4	47607

DATA PROCESSING DIVISION
 USAF EYAC
 AIR WEATHER SERVICE/4AC

WEATHER CONDITIONS

34070 BAD KREUZNACH GERMANY AAF 60-70 JAN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	00-02												
	03-05		6,1	1,0	6,1		13,1	28,3	61,6			69,7	99
	06-08		6,9	1,9	7,9		16,9	42,3	56,6			76,3	800
	09-11		8,9	,9	9,9		17,2	38,0	51,9			70,7	902
	12-14		8,2	,6	9,0		17,6	28,9	50,2			63,6	864
	15-17		8,2	,3	8,1		16,2	31,1	48,8			56,4	723
	18-20		10,2		4,6		14,9	43,1	50,0			73,0	174
	21-23												
TOTALS			7,5	,8	7,6		15,9	33,3	53,2			70,3	3633

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34070

BAD KREUZNACH GERMA Y AAF

60-70

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL % OF OBS
FEB	00-02												
	03-05		6,6		10,6		19,4	23,7	67,7			74,2	93
	06-08		8,8	,3	7,2		15,9	36,2	50,7			67,6	759
	09-11		9,9		7,5		16,5	31,4	50,5	,1		65,2	831
	12-14		8,4	,1	6,1		14,3	17,8	44,5			53,9	798
	15-17	,1	6,5		6,2		12,7	14,5	38,8			48,0	739
	18-20		8,8		9,4		17,0	13,2	38,4			46,5	739
	21-23												
TOTALS		,0	8,5	,1	7,9		16,0	22,8	48,4	,0		59,2	7379

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

24070
 STATION

BAD KREUZNACH GERMANY AAF
 STATION NAME

60-70
 YEARS

MAR
 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
MAR	00-02												3
	03-05		9.0		5.1		14.1	30.8	79.9			88.9	78
	06-08	.1	9.8		3.9		13.5	30.2	56.2			67.9	949
	09-11		7.8		3.1		10.9	18.8	53.0			59.5	966
	12-14		9.2	.1	2.3		11.2	6.6	41.9			44.7	930
	15-17	.2	9.4		1.2	.1	10.7	4.2	33.5			37.2	890
	18-20		10.1		2.2		11.5	10.1	39.6			42.3	278
	21-23												
TOTALS		.0	7.9	.0	2.5	.0	10.2	14.4	43.9			44.6	4094

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS

34070 BAD KREUZNACH GER, ANY AAF 60-70 APR
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	HALE	% 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		4,6				4,6	29,1	62,3			64,6	130
	06-08	.1	10,2		.2		10,4	25,3	45,9			52,6	929
	09-11	.2	8,9		.3		9,3	9,1	41,3			43,8	751
	12-14	.1	10,6		.1		10,6	1,7	29,9			24,2	924
	15-17	.2	10,6		.3		10,8	.1	17,3			17,5	688
	18-20	.3	8,9				8,9	.9	21,9			21,9	338
	21-23		5,3				5,3		26,3			26,3	19
TOTALS		.1	8,4		.1		8,6	8,6	34,2			35,8	4179

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34070
 STATION

BAD KREUZNACH GERMANY AAF
 STATION NAME

60-70
 YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02												
	03-05		9.4				9.4	21.1	52.3			54.7	128
	06-08		9.2				9.2	19.3	37.7			45.8	944
	09-11	.1	6.6				6.6	5.1	26.9			30.3	997
	12-14	.9	6.3				6.3	1.3	12.3			13.2	936
	15-17	.7	5.9			.1	6.0	1.0	8.4			9.0	903
	18-20	1.2	6.2				6.2	.3	10.7			10.7	337
	21-23												
TOTALS		.5	7.3			.0	7.3	3.0	24.7			27.3	4209

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34070
 STATION

BAD KREUZNACH GERMANY AAF
 STATION NAME

60-70
 YEARS

JUN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02												
	03-05		4.7				4.7	16.4	43.8			46.1	128
	06-08	.3	7.3				7.3	18.2	40.7			45.8	945
	09-11	.5	6.3				6.3	4.2	28.8			30.1	962
	12-14	1.5	6.9				6.9	.4	12.6			12.6	942
	15-17	2.7	8.0				8.0	.6	5.7			5.8	895
	18-20	2.5	9.0				9.0	.3	6.5			6.8	324
	21-23												
TOTALS		1.3	7.0				7.0	6.7	23.0			24.5	4196

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

34070 BAD KREUZBACH GERMANY AAF 60-70 JUL
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												3
	03-05	.8	3.2				3.2	13.5	46.8			48.4	126
	06-08	.6	5.5				5.5	19.8	37.5			45.4	929
	09-11	.2	6.8				6.8	4.7	26.7			28.9	944
	12-14	1.1	5.3				5.3	1.4	12.3			13.3	914
	15-17	2.1	6.3				6.0	1.2	8.4			8.8	862
	18-20	1.6	7.1				7.1	2.5	9.3			9.9	222
	21-23												3
TOTALS		.8	4.2				4.2	3.4	17.6			19.3	4103

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34070 BAD KREUZNACH GERMANY AAF 60-70 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02												
	03-05		7.6				7.6	23.5	51.5			35.3	132
	06-08	.5	6.8				6.8	29.6	40.0			38.1	656
	09-11	.1	5.8				5.8	7.1	35.1			38.3	966
	12-14	.5	5.9				5.9	1.5	17.6			18.2	939
	15-17	2.5	6.2				6.2	1.5	10.0			11.3	890
	18-20	2.6	7.4				7.4	2.5	8.9			10.2	325
	21-23												
TOTALS		1.1	6.6				6.6	11.0	27.2			31.1	4208

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ SAC

WEATHER CONDITIONS

86070 SAD KREUZNACH GERMANY AAF

60-70

SEP
 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								100,0			100,0	1
	03-05		6,0				6,0	45,3	57,3			72,6	117
	06-08		6,2				6,2	36,6	48,1			71,5	882
	09-11	.1	4,7				4,7	24,8	51,3			60,2	698
	12-14		5,2				5,2	5,8	34,0			35,5	672
	15-17	.9	6,5				6,5	2,2	22,0			29,1	845
	18-20	1,3	6,7				6,7	4,8	29,7			30,6	314
	21-23							25,0	75,0			100,0	4
TOTALS		.2	4,4				4,4	20,6	52,1			61,7	3935

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

34070 BAD KREUZNACH GERMANY AAF 60-70 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05		6,0				6,0	47,0	64,0			81,0	100
	06-08		9,8				9,8	39,2	46,6			74,2	916
	09-11		10,5				10,5	45,2	49,3			69,5	950
	12-14		7,9				7,9	23,1	44,7			55,2	921
	15-17	.2	7,5				7,5	13,7	38,0			44,4	890
	18-20		6,9				6,9	26,6	43,0			52,8	305
	21-23												
TOTALS		.0	8,1				8,1	35,0	47,6			62,9	4082

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34070 BAD KREUZNACH GERMANY AAF 59-70 NOV
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02												
	03-05		14.3		2.2		15.4	41.8	56.0			70.3	91
	06-08		13.2		3.6		16.4	47.6	49.8			68.3	843
	09-11		15.0		3.4		18.1	44.2	48.0			65.5	936
	12-14		13.5	.2	2.8		16.0	30.7	48.2			60.4	898
	15-17		11.3	.2	2.3		13.6	26.1	47.6			57.1	823
	18-20		16.6	.9	4.5		21.5	38.6	54.3			65.9	223
	21-23												
TOTALS			14.0	.2	3.1		16.6	38.2	50.7			64.6	3814

1
 DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

84070 BAD KREUZNACH GERMAN Y 4AF 59-70 DEC
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							100,0				100,0	1
	03-05		9,5	1,2	4,8		14,3	32,1	61,9			73,8	84
	06-08		14,4	.2	9,4		23,8	37,6	51,7			69,5	806
	09-11		11,0	.9	8,4		19,4	37,5	48,1			65,0	955
	12-14		9,3	.4	6,8		15,4	31,5	47,1			63,1	913
	15-17		11,5	.1	4,2		15,4	27,4	45,2			61,0	806
	18-20	.5	17,5	.5	5,7		22,6	34,0	48,1			67,5	212
	21-23							100,0	50,0			100,0	2
TOTALS		.1	9,2	.4	4,9		13,9	50,0	44,0			75,0	3779

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,

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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

34070 BAD KREUZANCH GERMANY AAF 65-70
STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 03	06 10	11 25	26 50	51 100	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	2.5-7.4	7.5-14.4	14.5-6.4	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	5	6	7	8	9	10	11	12	13	14			
JAN																			
FEB																			
MAR	22.0	19.4	12.9	16.1	14.5	11.3	3.2							58.1	62	1.41	1.62	1.19	
APR	29.6	13.2	9.2	22.5	9.2	17.5	1.7	.8						60.8	120	1.74	2.54	1.14	
MAY	36.6	16.1	6.5	19.4	8.6	7.5	1.1	4.3						47.3	93	1.74	2.00	1.28	
JUN	40.0	16.0	4.7	14.0	6.0	9.5	6.0	3.3	.7					44.0	150	2.41	3.92	1.21	
JUL	34.4	14.0	6.5	11.8	12.9	8.6	10.8	1.1						51.6	93	2.26	2.74	1.38	
AUG	43.0	10.6	5.4	15.1	4.2	8.6	5.4	4.3	3.2					46.2	93	3.91	6.95	2.08	
SEP	25.0	23.2	3.3	23.3	3.3	11.7	6.7	1.7	1.7					51.7	60	2.77	3.60	1.93	
OCT	54.8	16.1	7.5	7.5	7.5	3.2	1.1	2.1	1.1					29.0	93	1.28	3.44	1.20	
NOV		30.0	3.3	30.0	6.7	10.0	13.3	6.7						70.0	30	3.81	3.81	3.81	
DEC																			
ANNUAL	51.4	17.7	6.6	17.7	8.1	9.7	5.9	2.6	.7					51.0	794	2.33			

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EXTREME VALUES

PRECIPITATION
 FROM DAILY OBSERVATIONS

34070 BAU KREUZANCH GERMANY AAF
 STATION STATION NAME

65-70

YEARS

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

MONTH:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
60				0	0	0	0	0	0				PRECIP DAYS
64				0	0	0	0	0	0				PRECIP DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	PRECIP DAYS
66	0	0						.98 20	.16 29		.35 29	.39 30	PRECIP DAYS
67		.20 25								.70 29			PRECIP DAYS
68	.04 1	.86 20	.29 22	.76 23	.46 30		.44 30		.84 28	.70 26	.26 27	.30 30	PRECIP DAYS
69	.21 29	.34 27	.40 30	.26 29	.36 29		.44 29	1.99 29	.06 28		.36 29	.12 29	PRECIP DAYS
70	.57 30	.38 27	.17 29		.60 27	.58 26	.64 19	.43 23	.46 21	.23 24	.18 21	.34 18	PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

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 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOWFALL
 (FROM DAILY OBSERVATIONS)

36070 B4D KREUZARCH GERMANY AAF 68-73

STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE 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	01 04	03 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504								
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120								
JAN																					
FEB																					
MAR																					
APR	86.7	13.3															60	TRACE	TRACE	TRACE	
MAY																					
JUN	100.0																	30	.0	.01	.0
JUL																					
AUG																					
SEP																					
OCT	100.0																	62	.0	.0	.0
NOV																					
DEC																					
ANNUAL	98.6	6.4																192	.0		

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL
 FROM DAILY OBSERVATIONS

24070 STATION BAD KREUZANCH GERMANY AAF STATION NAME

60 YEARS 68-70

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
68													
69				TRACE						.0			
70				TRACE						.0			
MEAN				TRACE						.00			
S.D.													
TOTAL OBS.				60						62			122

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL
 FROM DAILY OBSERVATIONS

34070 STATION BAF KREUZANGH GERMANY AAF 602 68-70 YEARS

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
60					.0	.0	.0						SNOWFALL DAYS
64	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
65	0	0		0	0	0	0	0	0	0	0		SNOWFALL DAYS
66			0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
67		0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
68	.0	TRACE		0	0	0	0	0	0		1.0	1.0	SNOWFALL DAYS
69	1.6	3.4	TRACE		.0		.0	.0	.0		TRACE	1.5	SNOWFALL DAYS
70	5.3	.6	1.8		.0	.0	.0	.0	.0	.0	.0	3.0	SNOWFALL DAYS
	30	27	29		27	29	25	26	24	27	23	22	
MEAN													
S. D.													
TOTAL OBS.													

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

34070 STATION BAD KREUZANCH GERMANY AAF STATION NAME 64-65, 67-70 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 14	1 5 24	2 5 34	3 5 44	4 5 64	6 5 104	10 5 154	15 5 254	25 5 504	OVER 504						
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120						
JAN																			
FEB																			
MAR	100.0																62		
APR	100.0																120		
MAY	100.0																31		
JUN	100.0																120		
JUL	100.0																31		
AUG	100.0																95		
SEP	100.0																30		
OCT	100.0																93		
NOV																			
DEC																			
ANNUAL	100.0																580		

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

34070 STATION BAD KREUZANCH GERMANY AAF STATION NAME 60 64-65-67-70 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
64			0	0		0		0					
65										0			
67			0	0	0	0	0	0	0				
68						0		0		0			
69				0		0				0			
70				0									
MEAN			.20	.10	.20	.20	.0	.0	.0	.0			
S. D.			.000	.000	.000	.000	.0	.0	.0	.0			
TOTAL OBS.			62	120	131	120	31	93	30	93			580

1 DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
 FROM DAILY OBSERVATIONS

34070 BAD KREUZANCH GERMANY AAF
STATION STATION NAME

60, 64-65, 67-70
YEARS

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

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
60				0	0	0	0	0	0				SNO DPTH DAYS
64	2	1		26	25	26	25	26	26				2 SNO DPTH DAYS
65	29	27	1		28		28		21	22	23	26	SNO DPTH DAYS
66	30	27	1		0	0	0	0	0		0		SNO DPTH DAYS
67			0	0	0	0	0	0	0	0	0	0	SNO DPTH DAYS
68		0								30	26	20	2 SNO DPTH DAYS
69	4	3	0	0	0		0		0		1	30	1 SNO DPTH DAYS
70	22	21	26	27	30		30		29		28	29	2 SNO DPTH DAYS
	2	7	0		0		0	0	0		0	29	SNO DPTH DAYS
	30	27	30		30		29	29	29		28	29	2 SNO DPTH DAYS
	3	2	2		0	0	0	0	0	0	0	0	4 SNO DPTH DAYS
	30	27	29		27	29	25	26	24	27	23	25	SNO DPTH DAYS
MEAN													
S. D.													
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 1963, 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 ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS
 (FROM DAILY OBSERVATIONS)

34070 BAD KREUZANGH GERMANY AAF
 STATION 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	26/ 17	29/ 14	25/ 19	33/ 32 WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 59-70 YEARS

CLASS: ALL WEATHER

CONDITION: _____

MONTH: LL
 HOURS (LST): LL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	1.5	.3	.0							3.7	4.7
NNE	.7	1.3	1.9	.1	.0							3.2	5.6
NE	.7	1.3	1.0	.3	.0							3.2	5.1
ENE	.8	1.4	1.4	.6	.0							4.2	5.1
E	1.1	2.5	1.8	.4	.0	.0						5.2	5.1
ESE	.4	1.0	.4	.0								1.4	5.3
SE	.2	.6	.3	.0								1.1	5.4
SSE	.2	.4	.2	.0								.7	5.5
S	.4	.8	.6	.1	.0							1.6	5.5
SSW	.5	1.2	1.5	.3	.0	.0						3.7	7.2
SW	.5	2.5	4.4	1.7	.2	.0	.0					9.2	7.2
WSW	.9	2.7	5.4	2.5	.2	.0	.0					11.4	7.5
W	1.0	2.5	4.1	2.2	.1	.0	.0					10.2	7.2
WNW	.2	.7	1.0	.5	.0							2.4	7.1
NW	.2	.6	.8	.3	.0							1.4	7.7
NNW	.2	.6	.7	.3	.0							1.7	7.5
VARBL	1.3	.7	.1	.0	.0							2.1	3.5
CALM												31.4	
	9.9	22.1	26.0	9.9	.6	.1	.0					100.4	5.4

TOTAL NUMBER OF OBSERVATIONS 47637

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 34070 STATION NAME: BAD KREUZNACH GERMANY AAF YEARS: 60-70 MONTH: _____
 CLASS: ALL WEATHER HOURS (LST): 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	.4	1.0	1.0	.1								2.5	4.4
NNE	.7	1.4	.5	.0								2.7	4.0
NE	1.2	1.5	.8	.2								3.7	5.2
ENE	1.6	1.7	2.0	.9								6.2	6.7
E	2.0	3.5	2.2	.5								8.2	5.0
ESE	.4	.9	.1	.1								1.5	4.5
SE	.4	.4	.1	.0								1.4	4.4
SSE	.3	.2	.1									.4	4.2
S	.5	.6	.3	.1								1.5	4.1
SSW	.4	1.1	1.5	.6	.0							3.7	7.7
SW	.5	2.2	4.4	1.8	.2							9.7	10.7
WSW	.5	2.8	6.3	2.7	.1	.1						12.5	8.0
W	.6	1.9	3.5	1.1	.1							7.2	7.5
WNW	.1	.6	.2	.1								1.4	6.0
NW	.1	.2	.2	.2								.7	7.4
NNW	.1	.3	.1	.1								.5	6.1
VARBL	.8	.2										1.0	2.3
CALM												36.3	
	10.8	20.6	23.3	8.4	.5	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 3633

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS MONTH
 CLASS ALL WEATHER HOURS (L S T)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.7	1.3	.6								4.8	5.6
NNE	.7	1.1	.7	.2								2.6	5.2
NE	.6	1.2	1.2	.6	.1							3.7	7.4
ENE	.9	1.8	1.4	1.2	.0							5.2	7.5
E	1.0	2.8	1.7	.3	.0							5.8	6.2
ESE	.5	.9	.3									1.1	4.7
SE	.1	.3	.4	.0								.2	5.7
SSE	.1	.1		.0								.2	5.7
S	.2	.4	.2	.1								.9	5.7
SSW	.4	1.0	1.0	.3	.0							2.6	7.4
SW	.5	1.9	3.4	1.2	.2	.1	.0					4.3	8.3
WSW	1.1	2.3	6.1	2.3	.4	.1	.0					12.2	5.7
W	1.1	2.5	3.7	2.0	.4	.1						9.8	5.8
WNW	.1	.7	1.1	.5	.1							2.5	8.4
NW	.4	.6	.6	.4	.0							2.0	7.3
NNW	.3	.5	.8	.1	.1							1.8	6.9
VARBL	.6	.1										.7	2.4
CALM												35.3	
	9.4	19.9	22.9	9.8	1.3	.2	.1					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 3379

DATA PROCESSING DIVISION
 ETAC/USAF
 AFR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION: 34070 STATION NAME: SAD KREUZNACH GERMANY AAF YEARS: 50-70 MONTH: _____
 CLASS: ALL WEATHER HOURS (L.S.): _____
 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	.4	1.6	1.1	.4								3.4	4.5
NNE	.7	1.4	1.1	.2								3.4	4.5
NE	.6	1.6	1.3	.7								4.1	5.0
ENE	1.1	1.6	2.3	1.1								6.1	7.2
E	1.2	3.6	3.2	.7								3.2	8.5
ESE	.4	1.1	.2	.0								1.5	4.9
SE	.1	.4	.1									.7	4.2
SSE	.1	.3	.2	.0								.4	4.5
S	.2	.4	.3	.1								1.1	5.6
SSW	.4	.8	1.1	.7	.1							3.1	5.0
SW	.3	1.4	3.8	1.7	.2	.1						7.4	9.1
WSW	.6	2.2	4.5	3.1	.2	.0	.0					10.4	9.2
W	1.0	1.6	4.7	3.4	.1	.0						11.1	9.1
WNW	.2	.6	1.8	1.1	.0							3.4	5.3
NW	.2	.6	1.1	.8	.0							2.4	8.8
NNW	.2	.7	1.3	.3	.0							2.8	7.9
VARBL	.8	.2										1.1	2.4
CALM												28.2	
	8.5	20.1	28.1	14.2	.7	.1	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 4095

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 10-70 YEARS NCATN

ALL WEATHER

CLASS

LL
 HOURS (L.S. -)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.0	2.7	.7	.0							6.1	7.3
NNE	.6	1.5	1.4	.4	.0							4.7	6.3
NE	.8	1.4	1.0	.4	.1							3.7	6.9
ENE	.6	1.3	1.4	.7	.0							4.7	7.2
E	.7	2.1	2.0	.5	.0	.0						5.7	6.3
ESE	.3	1.0	.5	.1	.0							1.8	5.7
SE	.1	.5	.4	.2	.0							1.2	6.7
SSE	.1	.3	.1	.0	.0							.8	5.7
S	.2	.8	.6	.1	.0							1.7	6.2
SSW	.4	1.0	2.0	.6	.0							4.7	9.1
SW	.6	2.6	4.8	1.4	.0							9.5	7.9
WSW	.9	2.9	3.4	2.2	.1	.0						11.6	8.2
W	.9	3.1	4.1	2.6	.2	.0						10.9	8.4
WNW	.2	1.0	1.2	.9	.0							3.4	8.4
NW	.1	1.0	1.4	.7	.0							3.2	6.4
NNW	.2	.9	1.7	.6	.1							3.4	8.4
VARBL	.5	.6										1.1	3.7
CALM												24.7	
	7.9	23.7	30.7	12.2	.7	.1						100.7	5.7

TOTAL NUMBER OF OBSERVATIONS 4179

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

84070 STATION BAD KREUZNACH GERHANY AAF STATION NAME 60-70 YEARS MONTH 6
 CLASS ALL WEATHER HOURS (L & Y) 6
 CONDITION

SPEED (KNTS) DIR.	1 - 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	2.9	.5								4.2	7.2
NNE	.4	1.5	1.2	.2								3.4	5.1
NE	.6	1.5	1.0	.1								3.1	5.0
ENE	.5	1.0	.7	.3								2.7	5.2
E	.6	2.8	2.3	.4								2.1	5.5
ESE	.4	1.4	1.0	.2								2.4	5.2
SE	.1	1.0	.6	.1								1.1	5.4
SSE	.2	.4	.3	.1								1.7	6.2
S	.3	1.3	.9	.1								2.7	6.2
SSW	.5	1.4	1.6	.5	.0							4.7	6.4
SW	.7	2.4	3.8	1.2	.0							8.1	7.7
WSW	.8	2.5	4.7	2.0	.1							17.1	8.1
W	.8	3.3	4.8	3.0	.1							11.9	8.5
WNW	.5	1.0	1.6	.7	.0							3.3	7.9
HW	.1	.6	1.6	.5	.0							2.8	8.4
NNW	.2	.6	1.7	1.0								3.4	8.9
VARBL	1.4	.5										2.1	3.1
CALM												24.	
	8.5	25.1	30.5	10.8	.3							11.6	5.5

TOTAL NUMBER OF OBSERVATIONS 4205

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 6070 YEARS

ALL WEATHER
 CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.1	2.5	.5								5.6	6.2
NNE	.7	1.6	1.5	.5								4.1	4.2
NE	.9	1.3	1.5	.4								4.1	6.3
ENE	.6	1.1	1.5	.7	.0							3.2	7.4
E	.9	2.1	2.1	.6	.0							3.7	6.2
ESE	.2	1.0	.5	.1								1.4	3.9
SE	.1	.5	.3									1.1	5.9
SSE	.2	.6	.3									1.1	5.1
S	.5	1.1	.9	.2								2.7	4.2
SSW	.3	1.1	1.4	.2								3.1	6.5
SW	.6	3.0	3.6	1.0								8.2	7.4
WSW	1.0	2.7	4.8	2.0	.0							10.6	7.3
W	1.1	3.2	4.1	2.0	.2	.0						10.6	7.9
WNW	.3	.7	1.2	.6	.0							3.4	4.3
NW	.1	1.0	1.2	.5								2.5	7.1
NNW	.2	.8	.9	.3								2.2	7.3
VARBL	1.5	1.6	.3	.1								3.4	4.3
CALM												26.4	
	9.9	25.5	29.7	9.1	.3	.0						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 4196

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 34070 STATION NAME: BAD KREUZNACH GERMANY AAF YEARS: 60-70 MONTH: L
 CLASS: ALL WEATHER HOURS (LST): L
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.3	1.9	.4	.0							5.3	4.7
NNE	.9	.8	.7	.0								2.4	5.1
NE	.5	1.0	.4	.1								2.7	5.2
ENE	.5	1.1	.5	.1								2.7	5.6
E	.6	1.6	.6									2.7	5.7
ESE	.3	.9	.3	.0								1.5	5.4
SE	.2	.6	.2	.0								1.0	5.2
SSE	.3	.6	.2	.0								1.1	5.5
S	.3	1.0	.8	.1								2.2	4.4
SSW	.2	.9	1.3	.3								2.5	7.5
SW	.5	3.7	4.6	1.4	.1							14.2	7.7
WSW	1.0	3.2	5.5	2.6	.1	.0						12.4	7.2
W	1.7	3.6	5.8	3.1	.0							14.2	7.5
WNW	.1	1.2	1.8	.7	.0							3.8	7.2
NW	.4	1.1	1.5	.3								3.3	7.1
NNW	.2	1.3	.9	.3								2.7	5.7
VARBL	1.2	.9	.2	.0								2.3	3.4
CALM												27.2	
	9.6	25.7	27.3	9.8	.3	.0						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 4103

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERHANY AAF STATION NAME 60-70 YEARS

ALL WEATHER
 CLASS

11 MONTHS
 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	1.0	1.1	.1								2.4	2.7
NNE	.4	.7	.2	.0								1.7	5.2
NE	.5	1.0	.6	.1								2.2	4.8
ENE	.7	1.4	.7	.1	.0							2.5	4.4
E	.7	1.7	1.5	.1								4.1	4.4
ESE	.4	.7	.6	.0								1.5	4.8
SE	.2	.5	.5									1.1	4.7
SSE	.2	.6	.3	.0								1.1	3.4
S	.3	.7	.6	.0	.0							1.7	3.5
SSW	.5	1.2	1.4	.6								3.4	7.4
SW	.8	3.1	5.3	2.0	.0							11.1	3.7
WSW	1.3	3.3	5.8	2.8	.1	.0						13.3	4.7
W	1.2	2.8	6.2	2.9	.1							13.3	5.3
WNW	.4	.8	1.3	.4								2.5	7.7
NW	.2	.6	.5	.4								1.4	7.5
NNW	.2	.5	.4	.2								1.2	6.7
VARBL	2.4	1.3	.1									3.4	3.1
CALM												30.1	
	10.5	21.9	27.4	9.8	.3	.0						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 4202

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070

BAD KREUZNACH GERMANY AAF

60-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

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	1.2	1.0	.1								2.4	2.5
NNE	.7	1.4	.7	.1								2.3	3.3
NE	.6	1.4	.7	.1								2.3	4.2
ENE	.7	1.5	1.1	.1								3.4	4.7
E	.9	2.8	1.4	.2								5.2	5.7
ESE	.6	1.1	.4									2.1	4.1
SE	.2	.6	.5									1.3	3.7
SSE	.3	.5	.3									1.1	3.4
S	.5	1.1	.7	.2								2.4	5.1
SSW	.6	1.7	1.7	.6								4.5	4.1
SW	.7	2.2	4.2	1.4								8.5	7.5
WSW	1.0	2.1	5.1	2.3	.0							17.4	8.2
W	1.0	1.7	3.6	2.5	.1							8.1	4.4
WNW	.2	.4	.6	.6								1.3	2.6
NW	.1	.4	.2	.0								.7	3.9
NNW	.1	.2	.2									.6	3.1
VARBL	2.0	.9	.2	.1								3.2	4.4
CALM												37.4	
	10.4	21.3	22.7	8.2	.1							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

3933

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS

MONTH

CLASS ALL WEATHER

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.7	.1								1.7	4.1
NNE	1.2	1.0	.5	.1								2.8	4.4
NE	1.0	1.3	.7	.1								3.1	4.1
ENE	1.0	1.2	1.2	.4								3.9	4.1
E	1.6	2.2	1.6	.3								4.7	4.5
ESE	.6	.6	.1									1.3	4.1
SE		.4	.1	.0								.5	4.0
SSE	.2	.1	.2	.0								.5	4.6
S	.4	.8	.7	.1								2.1	4.6
SSW	.6	1.9	1.9	.4	.0							4.1	4.6
SW	.9	2.9	4.3	1.2	.0	.0						6.4	4.6
WSW	.8	3.3	4.7	1.6	.1	.0						10.4	4.6
W	1.2	2.3	2.3	1.2	.0	.0						7.1	4.7
WNW	.1	.2	.3	.2	.0							1.1	4.7
NW		.3	.3	.1								.7	4.4
NNW	.1	.3	.3	.0								.7	4.6
VARBL	1.6	.5	.3	.0								2.4	3.5
CALM												41.2	
	11.6	20.1	20.3	5.8	.2	.1						100.0	3.0

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)

34070 BAD KREUZNACH GERMANY AAF 59-70

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MONTH

NO. OF HOURS (L & 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	.3	.9	.5	.1								1.1	5.4
NNE	.9	1.7	.7	.1								3.3	5.0
NE	.9	1.1	1.2	.1								3.2	5.0
ENE	1.1	1.7	1.9	.8								5.2	4.5
E	1.1	2.3	1.7	.5								5.4	4.7
ESE	.4	.8	.3	.0								1.5	4.0
SE	.4	.8	.5	.0								1.7	5.4
SSE	.3	.6	.2									1.1	4.5
S	.6	1.1	.5	.1								2.3	5.4
SSW	.5	1.5	1.8	.6	.0	.0						4.5	7.4
SW	1.1	3.1	6.7	2.7	.3	.2	.1					14.1	7.5
WSW	1.0	2.6	5.8	3.6	.4							13.3	7.9
W	.8	1.6	2.6	.9								6.2	7.2
WNW	.2	.2	.2	.1								.5	6.7
NW	.1	.1	.1	.1								.4	7.3
NNW	.1	.3	.1									.4	4.5
VARBL	.8	.4	.1	.1	.0							1.2	3.7
CALM												33.1	
	10.6	20.7	24.8	9.8	.8	.2	.1					106.7	4.3

TOTAL NUMBER OF OBSERVATIONS 3814

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION: 14070 STATION NAME: BAD KREUZNACH GERMANY AAF YEARS: 59-70 MONTH: _____
 CLASS: ALL WEATHER 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	.7	.6	.1								1.7	5.7
NNE	.8	1.0	.6	.1								2.4	8.3
NE	.8	1.4	1.2	.5								3.2	8.2
ENE	1.0	2.0	1.9	.6								5.2	8.2
E	1.9	2.6	2.1	.2								6.7	8.2
ESE	.4	1.2	.3									1.6	4.4
SE	.2	.6	.3	.1								1.2	5.2
SSE	.1	.2	.1									.4	4.8
S	.3	.5	.3	.1								1.2	5.4
SSW	.7	1.4	.6	.3	.0							2.9	4.2
SW	.7	1.9	4.2	2.9	.8	.1						10.6	9.5
WSW	.9	2.9	6.3	3.4	.7	.1						14.4	9.1
W	1.1	1.8	3.7	1.7	.2	.1	.0					8.4	8.4
WNW	.1	.3	.3	.1	.1							.3	7.7
NW	.3	.3	.2	.0	.0							.2	8.4
NNW	.3	.3	.2	.1								.2	5.3
VARBL	1.5	.3	.0	.1	.1							1.9	3.5
CALM												33.9	
	11.7	19.2	22.9	10.2	1.9	.2	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 3779

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 62-65 MONTH 3-5
 CLASS ALL WEATHER 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										1.0	4.0
NNE	3.0		1.0									4.0	3.5
NE	2.0	2.0	1.0									5.0	4.0
ENE	4.0	1.0	2.0	2.0								9.0	5.0
E		3.0	3.0									6.0	4.0
ESE	1.0	1.0										2.0	3.0
SE	1.0											1.0	3.0
SSE	1.0											1.0	3.0
S	1.0	3.0										4.0	4.0
SSW	1.0		4.0									5.0	4.2
SW		3.0	6.0		1.0							10.0	4.5
WSW		4.0	2.0	1.0								7.0	6.7
W	3.0	3.0	1.0	3.0								10.0	5.0
WNW		1.0										1.0	6.0
NW													
NNW													
VARBL													
CALM												33.3	
	17.2	22.2	20.2	6.1	1.0							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 99

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

94070 BAD KREUZNACH GERMANY AAF 60-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	1.0	.1								2.7	5.7
NNE	.5	1.0	.3									1.8	4.8
NE	.6	1.1	1.1									2.9	5.5
ENE	1.3	2.0	.9	1.4								5.5	6.7
E	2.0	3.4	1.3	.1								6.8	4.8
ESE	.6	.8	.3									1.6	4.5
SE	.1	.5										.6	4.2
SSE	.3	.3										.8	3.7
S	1.6	.4	.4									2.4	4.7
SSW	.4	1.0	1.3	.4	.1							3.1	7.7
SW	.4	2.3	4.4	2.5	.1							9.6	9.7
WSW	1.3	2.6	5.5	1.4								10.8	7.7
W	.8	2.1	3.1	.5								6.7	7.7
WNW	.1	.8	.3									1.1	5.5
NW	.1	.1										.2	4.5
NNW	.1	.3										.4	4.7
VARBL	.6	.1										.8	2.7
CALM												43.7	
	10.9	19.4	19.6	6.4	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070

BAD KREUZNACH GERMANY AAF

60-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

9 -1'

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	.8	.4	.6									1.7	3.1
NNE	.4	.8	.6									1.7	5.7
NE	1.0	2.3	.6									3.9	4.4
ENE	1.6	1.6	1.4	.4								5.7	5.7
E	2.4	3.1	1.4	.3								7.2	5.2
ESE	.4	1.0	.2									1.7	4.4
SE	.8	.2	.1									1.1	3.7
SSE													
S	.1	.6	.3									1.7	5.6
SSW	.6	.9	1.4	.7								3.2	7.6
SW	.3	1.4	4.2	1.9	.3							9.2	9.2
WSW	.4	3.3	8.1	2.3	.3							14.5	8.6
W	.6	2.2	3.1	.4	.2							6.5	7.8
WNW	.1	.8	.1									1.7	3.2
NW	.1	.2	.3									.7	6.7
NNW				.1								.1	12.7
VARBL	.7	.4										1.1	2.7
CALM												40.7	
	10.3	19.3	22.5	6.2	.9							100.7	4.1

TOTAL NUMBER OF OBSERVATIONS

9.1

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70
STATION STATION NAME YEARS MONTH
ALL WEATHER 12-14
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	1.2	1.5									3.2	5.2
NNE	.3	2.3	.3	.1								3.2	5.2
NE	1.6	1.4	.8	.5								4.2	5.7
ENE	1.6	1.3	2.1	.9								3.2	6.4
E	2.2	3.4	4.1	1.0								1.2	4.5
ESE	.2	1.2	.1									1.2	4.5
SE	.1	.5	.1	.1								.4	4.1
SSE	.3	.2	.1									.4	4.7
S	.3	.8										1.2	4.1
SSW	.2	1.4	2.1	.7								4.2	5.1
SW	.3	2.4	4.6	2.1	.2							9.2	5.7
WSW	.1	2.7	6.7	3.8		.3						13.7	6.7
W	.6	2.3	3.2	1.7	.1							8.2	6.5
WNW	.1	.3	.2	.2								.6	7.3
NW	.2	.2	.5	.1								1.2	7.3
NNW	.1	.5	.1	.1								.4	6.1
VARBL	1.3											1.3	1.7
CALM												28.9	
	10.3	22.0	26.6	11.5	.3	.3						100.2	5.3

TOTAL NUMBER OF OBSERVATIONS 864

DATA PROCESSING DIVISION
 ETAG/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
CLASS

MONTH

ALL WEATHER
CLASS

MONTH

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	.5	1.5	1.4	.4								3.7	1.7
NNE	1.0	1.9	.9									3.4	5.2
NE	1.8	1.0	.8	.4								3.4	5.3
ENE	1.3	2.9	3.3	.9								7.2	7.3
E	1.4	4.0	2.1	.8								8.3	6.4
ESE	.3	.8		.3								1.2	3.3
SE	.5	.6	.1									1.3	4.7
SSE	.6	.5	.1									1.3	4.4
S	.1	.6	.3	.3								1.3	5.2
SSW	.4	1.3	1.1	.8								3.5	7.4
SW	.8	3.0	4.4	1.3	.3							8.7	5.7
WSW	.3	2.6	5.3	3.1	.1							11.4	9.0
W	.4	.9	4.7	1.5								7.4	8.6
WNW	.3	.5	.4									1.1	6.1
NW		.4	.1	.6								1.1	6.7
NNW		.5	.3									.5	8.7
VARBL	.6	.1										.2	2.2
CALM												32.1	
	10.1	22.1	25.2	10.2	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 795

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 62-68, 67, 69-70 MONTH 12
 CLASS ALL WEATHER HOURS (L & T) 2
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1										1.1	5.0
NNE	2.3	1.1	.6									4.1	4.0
NE	.6	1.1										1.7	4.0
ENE	2.9	2.9	3.4	.6								9.0	5.0
E	2.3	4.6	.6									7.5	4.0
ESE	.6	.6										1.2	3.5
SE	.6	.6										1.2	3.0
SSE	.6											.6	3.0
S			1.1									1.1	9.5
SSW	1.1	1.7	1.1	.6								4.5	6.1
SW	.6	1.1	3.4	1.1								6.2	7.9
WSW		1.7	5.7	4.0								11.4	10.0
W	.6	1.1	4.6	1.1								7.4	3.0
WNW		1.1										1.1	5.0
NW	.6											.6	3.0
NNW													
VARBL	1.7											1.7	2.7
CALM												38.5	
	14.4	19.0	20.7	7.5								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 174

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070 BAD KREUZNACH GERMANY AAF

62-66

ALL WEATHER

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2		1.1									3.2	4.0
NNE		1.1	1.1	1.1								3.3	5.0
NE	3.2	1.1	3.2	1.1								8.4	7.0
ENE		1.1		2.2								3.2	1.7
E													
ESE													
SE													
SSE													
S													
SSW	2.2	1.1		1.1								4.3	4.0
SW	1.1	1.1	3.2									5.4	6.0
WSW	2.2	2.2	1.1	3.2								8.6	7.4
W	1.1	3.2	3.2	2.2	1.1							10.8	7.7
WNW		2.2										2.2	5.0
NW				1.1								1.1	13.0
N°W													
VARBL													
CALM												49.5	
	11.8	12.9	12.9	11.0	1.1							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 93

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS MONTH

ALL WEATHER

6 - 1
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	.8	.4								3.0	3.0
NNE	1.1	1.1	.1	.1								2.4	4.0
NE	.9	.4	.8	.5	.1							2.8	7.3
ENE	.8	1.4	.1	.7	.1							3.2	2.7
E	1.2	1.3	.4	.1	.1							3.2	2.4
ESE	.3	.4	.1									.3	4.0
SE	.3	.1										.4	3.3
SSE	.1											.1	2.0
S	.5	.4										.9	3.0
SSW	.3	1.1	.3	.3								1.2	5.2
SW	.7	1.4	3.6	1.6	.1							7.4	3.3
WSW	1.2	3.2	5.8	2.4	.3	.3						13.2	3.4
W	1.8	1.6	3.3	1.3	.4	.1						8.2	4.0
WNW		.3	.7	.3								1.2	2.4
NW	.3	.3	.4	.3								1.2	7.1
NNW	.1	.1	.1		.1							.8	2.2
VARBL	.8											.8	2.3
CALM												48.7	
	11.1	14.1	16.5	7.9	1.3	.4						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 756

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60 YEARS MONTH _____
 CLASS ALL WEATHER HOURS (LST) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.9	1.1	.2								4.7	2.1
NNE	.5	.6	.8	.1								2.0	6.5
NE	.5	1.3	.7	.8								3.4	7.7
ENE	.7	1.3	1.3	1.1								4.8	7.7
E	1.2	2.2	2.0	.5								6.0	6.3
ESE	.8	.6	.1									1.5	3.7
SE		.2	.2									.4	4.5
SSE		.1		.1								.2	9.5
S		.4	.2	.1								1.1	6.1
SSW	.5	1.0	1.0									2.4	5.9
SW	.5	2.8	3.1	.8	.5		.1					7.3	5.4
WSW	.7	2.4	3.9	1.8	.6							11.4	5.1
W	1.2	2.6	3.5	1.8		.1						9.3	6.1
WNW	.6	.6	1.0	.4								2.5	7.1
NW	.1	.4	.4	.4								1.2	7.1
NNW	.3	.4	.5	.2								1.6	5.9
VARBL	.1											.1	1.1
CALM												40.6	
	8.8	19.0	21.9	8.4	1.1	.1	.1					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 131

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70
STATION STATION NAME YEARS

ALL WEATHER 12 - 14
CLASS MONTH

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.9	1.4	.8								5.1	4.0
NNE	.6	1.6	1.0	.8								3.5	5.6
NE	.6	1.1	1.2	.4	.1							3.5	7.1
ENE	1.0	2.4	2.4	1.3								7.3	7.5
E	.4	3.3	2.6	.4								6.7	6.0
ESE	.5	1.6	.5									2.7	3.1
SE		.1	.6	.1								.7	7.1
SSE													
S		.1	.4									.5	4.2
SSW	.4	.9	1.3	.3	.1							2.9	7.4
SW	.4	1.4	3.4	.3	.3	.1						6.2	8.7
WSW	1.1	1.8	7.4	2.8	.3	.1	.1					13.4	9.1
W	.4	2.1	3.9	2.6	.2							9.3	5.2
WNW		.8	1.6	.1								3.1	8.0
NW	.5	.9	1.3	.8								3.4	7.0
NNW	.4	.6	.8	.3								2.7	6.6
VARBL	1.1	.1										1.3	2.3
CALM												28.2	
	8.3	20.7	29.7	11.3	1.3	.3	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 792

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS MONTH 12 -17 HOURS (LST) 17

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	.9	2.2	2.2	1.1								6.4	7.2
NNE	.5	.8	.8	.1								2.2	5.7
NE	.3	2.0	1.1	.7								4.1	7.1
ENE	1.1	2.2	1.8	1.8								6.1	7.5
E	1.4	4.5	1.9	.4								8.1	8.9
ESE	.5	1.4	.5									2.4	5.5
SE	.1	.7	.7									1.8	6.4
SSE		.4										.7	5.5
S	.1	.5	.3	.1								1.1	6.8
SSW	.3	1.1	1.5	.3								3.4	7.4
SW	.3	1.6	3.2	1.9		.1						7.7	8.6
WSW	.9	1.6	6.0	2.4	.3							11.2	9.9
W	1.1	2.8	4.7	2.6	.7	.1						12.7	9.1
WNW		.7	.9	.7	.3							2.5	9.4
NW	.9	.9	.3	.3	.1							2.5	6.2
NNW		1.1	2.2	.1	.1							3.9	7.7
VARBL	.7	.4										1.1	2.0
CALM												23.4	
	9.2	24.9	28.0	12.7	1.5	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 739

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 62-65, 67, 69-70 MONTH 18
 CLASS ALL WEATHER HOURS (L, S, Y) -2
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.3									2.5	4.0
NNE	.6	1.9	1.3									3.0	5.3
NE		1.3	3.8	.6								5.7	4.4
ENE	.6	1.3	1.3									3.1	4.0
E	.6	4.4	1.3									6.4	5.2
ESE	.6	.6										1.3	3.5
SE		.6										.6	2.0
SSE	.6											.6	3.0
S	.6	.6	.6									1.8	5.0
SSW		1.3	2.5	.6								4.4	4.1
SW	.6	3.8	4.4	1.9								10.7	7.9
WSW	1.9	3.1	5.0	.6	.6							11.3	7.3
W	.6	5.7	1.9	2.5								10.7	7.2
WNW		2.5	2.5	.6	.6							6.3	5.7
NW		.6	1.3									1.9	4.3
NNW	.6	.6	.6									1.8	4.0
VARBL													
CALM												27.0	
	7.5	29.6	27.7	6.9	1.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 159

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 68 YEARS MONTH _____
 CLASS ALL WEATHER 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													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW			33.3	66.7								100.0	11.3
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
			33.3	66.7								100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 62-64,68 YEARS MONTH

ALL WEATHER CLASS

03 - 68 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		3.8										3.2	4.2
NNE		1.3										1.2	4.4
NE	3.8	2.6	1.3	2.6								10.3	5.0
ENE	1.3	2.6	1.3									5.1	5.2
E		1.3	1.3									2.6	5.5
ESE													
SE													
SSE	1.3	1.3										2.6	3.5
S													
SSW			2.6	1.3								3.2	11.3
SW			2.6									2.6	5.5
WSW		2.6	1.3									3.9	5.7
W		2.6	1.3	2.6								6.4	5.4
WNW													
NW			1.3									1.3	3.7
NNW	1.3	1.3	1.3									3.9	5.1
VARBL													
CALM												52.4	
	7.7	19.2	14.1	6.4								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 71

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEARS

MONTH

ALL WEATHER
CLASS

6 - 0
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.1	.5	.2								2.4	5.7
NNE	1.5	1.4	.2									3.7	4.1
NE	.3	1.3	.6	.2								2.4	4.1
ENE	1.5	1.7	1.5	.6								4.3	6.2
E	.9	2.2	1.9	.1								5.2	4.1
ESE	.3	.2	.1									.6	4.7
SE	.2	.1										.3	3.2
SSE													
S	.3	.3										.4	3.2
SSW	.5	1.1	1.2	.2	.1							3.1	6.2
SW	.4	2.5	4.1	.6	.3							8.4	7.1
WSW	1.6	4.0	4.0	2.5	.2							12.3	7.2
W	2.5	1.9	2.7	1.7	.1							9.4	7.1
WNW	.2	.5	.6	.2								1.4	7.3
NW	.1	.4	.4	.1								1.1	7.2
NNW	.4	.5	.5	.2								1.7	6.3
VARBL	.1	.1										.2	3.2
CALM												43.2	
	11.6	19.3	18.4	6.7	.7							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 949

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070 BAD KREUZNACH GERMANY AAF 60-70

STATION STATION NAME YEARS

ALL WEATHER MONTH 9 - 11

CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.9	.4								2.0	4.0
NNE	.4	2.0	.8	.1								2.2	5.0
NE	.6	1.0	1.2	.5								3.4	7.0
ENE	.5	.9	3.1	1.3								5.7	8.4
E	1.2	3.2	3.3	.6								8.0	8.5
ESE		.5										.8	4.0
SE													
SSE	.1	.3										.4	4.5
S	.3	.2	.2									.7	4.6
SSW	.3	.8	.8	.6								2.4	7.4
SW	.3	1.1	4.3	1.9								7.7	9.1
WSW	.5	2.3	6.0	2.1	.3							11.2	8.9
W	1.0	2.0	5.0	2.9								11.9	8.7
WNW	.2	.4	1.4	.6	.1							2.0	8.9
NW		.4	.8	.1	.1							1.4	8.9
NNW	.1	.6	1.4	.1	.1							2.4	8.1
VARBL	.5											.5	1.4
CALM												34.9	
	6.7	16.8	29.7	11.3	.6							100.	5.2

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-70 MONTH 12
 CLASS ALL WEATHER HOURS (LST) -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	.3	2.0	1.5	.6								4.5	7.1
NNE	.5	1.1	1.5	.3								3.4	6.4
NE	.4	2.3	1.9	1.1								5.7	7.3
ENE	1.5	1.5	2.2	1.4								6.6	7.7
E	1.1	3.3	4.3	1.2								11.0	8.0
ESE	.6	.6	.2									1.4	4.0
SE		.2										.2	3.0
SSE	.1	.2	.1									.4	5.3
S	.2	.6	.6	.3								1.6	7.7
SSW	.3	.8	1.6	.9	.1							3.7	5.4
SW	.1	1.0	2.7	2.4	.2	.2						6.4	10.4
WSW	.3	.9	4.6	4.0	.2		.1					10.1	12.3
W	.2	1.5	4.5	4.9	.2							11.4	10.1
WNW	.1	.5	2.7	2.0								5.4	10.5
NW	.1	.9	1.3	1.2								3.4	5.0
NNW	.1	1.1	1.1	.2								2.5	7.4
VARBL	1.7	.5										2.3	2.5
CALM												18.7	
	7.8	21.0	30.9	20.5	.8	.2	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 93

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

14070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS

CLASS ALL WEATHER MONTH 13-17 MONTHS (L S T)

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	2.1	1.2	.7								4.2	5.2
NNE	.3	1.3	1.8	.4								3.2	7.2
NE	.6	1.9	1.2	.2								4.2	7.2
ENE	.8	2.1	2.8	1.0								6.2	7.2
E	1.9	4.0	3.8	1.0								17.2	6.7
ESE	.7	2.6	.6	.1								2.2	5.2
SE	.2	1.1	.4									1.2	5.3
SSE	.1	.2	.3	.1								.2	5.7
S	.2	.6	.7	.3								1.2	7.4
SSW	.1	.4	.7	1.0	.1							2.4	9.0
SW	.1	1.1	4.6	2.0	.2	.1						8.2	9.4
WSW		1.7	4.0	3.8	.2	.1						9.2	10.1
W	.2	1.7	6.1	4.3	.1	.1						12.2	9.9
WNW	.2	.6	2.4	1.7								4.2	9.3
NW	.2	.8	1.3	1.8								4.3	9.6
NNW		.6	2.0	.7								3.2	9.7
VARBL	.9	.2										1.1	2.3
CALM												14.2	
	7.1	23.1	24.2	19.8	.7	.3						100.2	7.2

TOTAL NUMBER OF OBSERVATIONS 29

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 62-67,69-70 MONTH 2
 CLASS ALL WEATHER HOURS (LST) 2
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.5	1.4									3.0	4.1
NNE	1.1	.7	2.2									3.5	4.3
NE	1.1	.7	1.8	.4								3.5	7.2
ENE	2.2	1.4	2.2	.7								6.8	5.4
E	.7	2.9	.7									4.1	4.4
ESE	.7	2.9	.4									5.4	4.7
SE	.7	1.4	.4									2.4	4.3
SSE	.7	1.1	1.4									3.7	5.4
S		.4										.4	6.1
SSW	1.1	1.4	1.4	1.1								5.1	7.1
SW	.7	1.4	1.8	1.1								5.1	7.8
WSW		1.4	3.2	3.9	.4							9.1	11.2
W	.4	2.3	7.5	3.2	.4							13.1	9.4
WNW		1.4	2.3	.4								4.3	11.4
NW	1.1	.4	1.8	1.1								4.8	11.2
NNW			2.3	.7								3.7	3.9
VARBL	.4											.4	5.1
CALM												22.7	
	10.8	22.6	31.2	12.5	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/YAC

SURFACE WINDS

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

STATION: 34070 STATION NAME: BAD KREUZNACH GERMANY AAF YEARS: 60-65 MONTH: _____
 CLASS: ALL WEATHER 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		1.5	1.5									3.0	4.0
NNE													
NE		2.3										2.3	5.0
ENE													
E													
ESE		.6										.6	4.0
SE													
SSE													
S	.8											.8	3.0
SSW		1.5										1.5	5.0
SW	1.5	2.3	6.2									9.0	7.0
WSW	1.5	3.1	2.3	2.3								5.4	6.6
W	2.3	.8	1.5	.8								3.5	6.0
WNW		.6	.8									1.4	6.0
NW	.8	1.5	1.5	1.5								5.4	7.0
NNW		.8	1.5									2.3	7.0
VARBL													
CALM												57.0	
	6.9	15.4	15.4	4.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 13

DATA PROCESSING DIVISION
 RTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF

60-70

ALL WEATHER

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.7	1.3	.2								2.8	2.4
NNE	.5	1.1	.8	.1								2.2	2.3
NE	.8	1.0	.1	.2								2.2	2.1
ENE	.4	.6	.5									1.2	2.0
E	.2	.2	.1	.1								.8	2.0
ESE	.1	.1										.2	4.5
SE		.1										.1	2.0
SSE													
S	.4	.1										.8	2.4
SSW	.4	.8	.9	.1								2.2	2.3
SW	1.0	3.4	3.6	.6								8.6	3.7
WSW	1.9	4.5	5.1	.8		.1						12.4	4.7
W	2.7	4.1	1.3	.4								8.9	2.0
WNW	.2	.8	.2									1.2	2.0
NW	.2	1.3	.3	.2								2.0	2.0
NNW	.4	.9	1.2									2.5	2.0
VARBL	.4	.1											
CALM												49.0	
	10.5	21.7	15.3	2.8		.1						100.0	

TOTAL NUMBER OF OBSERVATIONS

927

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70

STATION STATION NAME YEARS

ALL WEATHER CLASS MONTH 6 - 1

CONDITION

HOURS (L & T)

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	.8	1.5	2.7	.5								6.4	7.1
NNE	.9	1.8	1.7	.8								5.3	6.7
NE	.7	1.2	1.5	.5	.2							4.3	7.7
ENE	.7	.7	.7	1.1								3.3	7.7
E	1.1	1.7	2.2	.5								5.5	6.0
ESE	.3	.6	.7									1.2	5.1
SE	.3	.4	.1	.1								.9	5.3
SSE		.1										.1	3.0
S	.1	.2	.5									.7	5.2
SSW	.3	1.2	2.2	.5								4.2	7.4
SW	.8	2.3	4.3	1.5								8.9	7.7
WSW	.5	2.8	5.0	3.0	.1							11.5	7.4
W	.4	3.3	3.6	2.9	.1							12.2	8.5
WNW	.3	.5	2.0	.4								3.3	7.4
NW		.5	1.7	.5								2.7	8.9
NNW	.3	1.2	1.3	.4								3.2	7.3
VARBL	.5	.4										.9	3.4
CALM												28.3	
	8.3	20.4	29.8	12.8	.4							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 931

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 50-70 MONTH 12
 CLASS ALL WEATHER HOURS (LST) -24
 COND. TYP.

SPEED (KNTS) DIR	1 - 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	1.0	3.2	1.1								3.4	7.7
NNE	.4	1.2	1.5	.5								3.7	7.2
NE	1.5	2.4	1.4	.6	.1							6.7	5.4
ENE	.8	2.5	1.7	1.2								6.2	7.2
E	.8	2.3	3.4	.5								7.1	7.0
ESE	.3	1.9	.9	.3								3.5	5.1
SE	.1	.3	.6	.3								1.4	4.0
SSE	.2	.3	.3									.9	2.6
S		1.2	1.1	.2								2.5	7.1
SSW	.6	.9	2.5	1.1	.1							5.2	4.1
SW	.1	2.2	4.3	2.3	.1							10.9	5.0
WSW	.6	2.6	5.0	3.1	.3							11.7	5.0
W	.1	2.1	4.8	3.9	.3	.1						11.3	4.8
WNW	.1	1.4	1.5	1.4								4.4	5.0
NW		.9	1.3	1.1	.1							3.4	4.3
NNW	.1	1.0	2.1	1.1								4.2	4.1
VARB	.5	.5										1.1	3.5
CALM												10.2	
	4.2	23.4	37.6	18.8	1.1	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 924

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70

STATION STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

MONTH 15 - 17

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	.7	2.5	3.3	1.1	.2							7.0
NNE	.7	1.8	1.8	.3								4.4
NE	.5	1.4	.8	.6								3.2
ENE	.7	1.3	3.2	.9								5.2
E	.6	3.3	2.6	1.0		.1						7.0
ESE	.2	1.4	.9	.1								2.4
SE	.2	1.0	.9	.2								2.4
SSE	.3	.8										1.1
S	.2	1.5	.8	.2								2.7
SSW	.1	1.1	2.7	.9								4.8
SW	.2	2.1	3.9	1.7								5.4
WSW	.8	2.4	6.4	2.7	.2							12.5
W	.1	2.9	6.4	3.5	.6							13.5
WNW	.1	1.0	1.4	1.9	.1							4.3
NW		.7	1.4	1.0	.1							3.2
NNW	.1	.6	2.3	1.0	.2							4.2
VARBL	.5	1.1										1.6
CALM												7.0
	6.0	26.9	40.5	17.2	1.5	.1						100.0

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)

STATION: 34070 STATION NAME: BAD KREUZNACH GERMANY AAF YEARS: 60-70

CLASS: ALL WEATHER MONTH: 1 - 2

CONDITION: _____

UNITS: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.1	4.4	.9								7.7	2.0
NNE	.9	2.1	2.1									5.2	4.0
NE		.6	1.8									2.4	7.0
ENE	.6	1.2	.9	.6								3.2	7.3
E	1.2	4.7	1.8	.3								8.0	5.5
ESE	.6	.6	.6									1.8	5.0
SE		.9	.3	.3								1.5	6.5
SSE		.3										.3	4.0
S	.6	1.5	.9									3.0	5.0
SSW	.3	1.2	2.7	.6								4.7	5.1
SW	.9	4.1	3.0	.9	.3							9.2	5.0
WSW	.3	.6	7.1	.6								8.6	5.3
W	.9	4.1	6.2	3.0								14.2	5.0
WNW	.9	1.2	1.2	1.5								5.0	7.8
NW	.6	2.4	3.6									6.6	5.7
NNW		.3	2.1	.3	.3							3.0	9.4
VARBL	.6	1.5										2.1	4.3
CALM												13.0	
	8.6	29.6	38.5	8.9	.6							100.0	5.2

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 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60 MONTH 21 - 22
 CLASS ALL WEATHER HOURS (L & Y) 21 - 22
 CONDITION _____

SPEED (KNTS) DIR.	1 - 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		5.3										5.3	4.0
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		5.3										5.3	4.0
VARBL													
CALM												89.5	
		10.5										100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 19

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-64,66
YEARS

ALL WEATHER
CLASS

 -
MONTH
 -
YEAR (L S Y)

CONDITION

SPEED (KNTS) DIR.	1-3	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	1.6									3.1	5.5
NNE		.8										1.6	4.8
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW	.8	1.6	2.3									4.7	5.5
SW	3.1	3.1	.8									7.0	3.9
WSW	3.1	3.1	3.1	.8								12.4	5.2
W	4.7	4.7	3.1	.8								13.3	5.4
WNW	.8	2.3										3.1	3.2
NW													
NNW													
VARBL													
CALM												35.5	
	12.5	19.5	10.9	1.6								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

120

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

14070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS MONTH 6 HOURS (LST) 7

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	.1	1.5	1.2	.1								2.9	4.0
NNE	.4	.7	.4									1.6	4.7
NE	.5	.3	.3									1.2	4.0
ENE	.5	.3		.1								1.7	4.2
E	.4	.6	.1									1.2	4.4
ESE	.2											.2	3.0
SE		.1	.1									.2	2.0
SSE													
S	.5	.4	.1	.1								1.2	4.5
SSW	.4	1.6	.4	.1								2.5	5.1
SW	.6	2.4	2.3	.3								5.7	6.6
WSW	1.7	3.4	4.0	1.0								10.1	6.7
W	1.7	3.8	3.1	1.5								10.1	6.6
WNW	1.1	1.1	.6									2.9	3.1
NW		.1	.8	.1								1.1	3.0
NNW		.1	.8	.6								1.6	10.2
VARBL	1.2	.2										1.4	2.2
CALM												55.8	
	9.4	16.7	14.4	3.9								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 944

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60070 YEARS MONTH 09-11 HOURS (LST) ALL WEATHER CASE CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.7	3.1	.3								3.4	7.1
NNE	.6	2.1	.7									3.4	5.4
NE	1.1	2.6	.9	.1								4.7	5.1
ENE	.6	1.4	1.1	.5								3.7	5.2
E	.7	4.2	1.7	.5								7.1	5.0
ESE	.4	1.3	.7									2.4	5.5
SE		.7	.3									1.7	5.4
SSE	.5	.5										1.2	5.4
S	.3	.9	.4									1.7	5.0
SSW	.9	1.5	1.7	.1								4.2	5.0
SW	.8	2.3	3.4	1.1								7.7	7.5
WSW	.7	2.4	4.9	2.0	.1							12.1	4.1
W	.3	4.3	4.1	3.3	.1							12.1	4.4
WNW	.2	.5	.9	.5								2.3	5.2
NW		.7	1.9	.4								3.7	4.1
NNW	.3	.7	1.5	.8								3.3	4.2
VARBL	1.8	.4										2.2	2.5
CALM												24.3	
	9.8	28.2	27.5	9.9	.2							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 957

DATA PROCESSING DIVISION
 AFAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREIHNACH GERMANY AAF

60-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

12 -14

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.6	1.6	.5								5.4	4.3
NNE	.4	2.5	1.8	.5								5.2	5.2
NE	.6	1.4	1.4	.3								3.7	4.7
ENE	.7	1.6	.7	.3								3.4	5.6
E	1.0	3.5	4.3	.9								9.2	7.7
ESE	.1	1.7	1.8	.2								3.2	5.4
SE	.1	1.6	1.1									2.9	5.4
SSE		.6	.1	.1								.9	5.4
S	.1	2.1	1.3	.1								3.2	4.2
SSW	.4	1.3	2.7	.7								5.1	7.6
SW	.3	2.1	4.7	1.8								9.2	5.4
WSW	.4	2.0	4.0	2.7	.3							9.4	9.7
W	.4	2.7	3.4	4.0	.2							12.7	9.3
WNW	.6	1.2	2.4	1.5								5.7	3.4
NW	.2	.7	1.5	.6								3.1	2.2
NNW	.1	.9	2.1	1.1								4.2	3.9
VARBL	1.8	.9										2.7	3.3
CALC.												9.6	
	8.2	29.4	36.9	15.4	.5							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70

STATION STATION NAME YEARS MONTH

ALL WEATHER 15 - 17

CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	2.2	4.4	.8								7.8	4.0
NNE	.3	1.1	2.1	.2								3.6	7.1
NE	.2	1.9	1.6	.1								2.4	4.4
ENE	.4	.7	1.2	.2								2.2	4.2
E	.6	2.9	3.2	.3								7.0	4.0
ESE	.8	2.3	1.6	.7								5.2	5.4
SE	.3	1.4	.9	.2								2.0	5.3
SSE	.1	.3	.8	.3								1.4	7.0
S	.2	1.9	1.7	.2								4.1	5.5
SSW	.3	1.3	1.6	.8	.1							4.1	7.0
SW	.6	2.3	4.8	1.8	.1							9.7	4.3
WSW	.4	2.1	3.5	2.9								11.0	4.3
W	.3	2.2	6.1	4.0								12.6	9.3
WNW		.9	2.1	1.0	.1							4.1	9.1
NW	.2	.8	2.3	1.0	.1							4.4	5.9
NNW	.4	.3	2.2	1.0								4.0	8.9
VARBL	2.0	1.1										2.1	3.2
CALM												9.3	
	6.8	26.0	42.0	15.5	.4							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 903

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 26070 BAD KREUZNACH GERMANY AAF YEARS 60-70 MONTH 1
 CLASS ALL WEATHER HOURS (LST) -2
 CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.2	5.8	.9								9.2	4.1
NNE	.3	1.2	1.9									2.4	4.3
NE	.3	1.8	1.5									3.6	3.4
ENE	.3	1.2	.3	.3								2.1	4.0
E	.3	3.9	2.7	.3								7.2	5.3
ESE	.9	2.7	.9									4.2	5.2
SE		1.2	1.2	.6								3.2	7.4
SSE	.3	.9	1.5									3.7	5.4
S		.9	1.5	.3								2.7	7.2
SSW	.3	.9	1.8	.9								3.9	5.4
SW	1.2	2.4	4.5	1.2	.3							9.5	7.3
WSW		1.5	5.9	1.2								8.5	8.5
W	.3	2.7	6.5	1.8	.6							11.9	8.2
WNW		2.1	3.0	.6								5.2	8.4
NW	.3	1.2	1.8	.3								3.2	6.2
NNW		1.3	2.4	2.4								6.2	9.5
VARBL	.9	.9										1.2	3.7
CALM												11.4	
	5.9	27.9	33.0	10.7	.9							100.	6.7

TOTAL NUMBER OF OBSERVATIONS 337

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/1AC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60m64 MONTH _____
 CLASS ALL WEATHER HOURS (L Y T) _____
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8											3.1
NNE													
NE	.8												3.1
ENE													
E													
ESE													
SE													
SSE													
S													
SSW		.8											5.1
SW	.8	5.5	3.9	.8								1.0	6.6
WSW	5.5	2.3	2.3									1.0	4.6
W	6.3	1.6	2.3									1.0	4.4
WNW													
NW	.8	.8										1.0	4.5
NNW													
VARBL													
CAL.												64.0	
	14.1	11.7	8.6	.8								100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 120

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS MONTH 12 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	.6	1.7	1.7	.2								4.5	5.1
NNE	.7	.8	.4									2.2	4.7
NE	.7	.3	.3									1.2	4.5
ENE	.4	.3	.6									1.2	5.7
E	.4	.4	1.0									1.0	5.2
ESE		.2										.7	5.0
SE													
SSE	.3	.1	.1									.5	4.0
S	.2	.2	.1	.1								.4	6.2
SSW	.3	.5	.4									1.2	5.5
SW	1.0	3.0	1.8	.5								4.2	6.3
WSW	2.4	3.3	3.1	1.0								9.7	6.2
W	2.2	3.3	1.7	.7								8.1	5.4
WNW	.5	.7	.4	.1								1.2	5.5
NW		1.3	.7									2.2	6.2
NNW		.6	.7									1.4	6.3
VARBL	1.3	.6	.3									2.2	5.5
CALM												54.2	
	11.2	18.1	13.4	2.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 943

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60w70 YEARS

ALL WEATHER CLASS

MONTH -11
 HOURS (LST)

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	1.2	1.8	3.0	.2								4.7
NNE	.6	2.6	1.4									3.5
NE	1.5	1.3	1.4	.4								5.0
ENE	.8	1.5	1.9	.7								5.5
E	1.6	3.7	1.9	.9								4.3
ESE	.3	2.0	.4									4.4
SE	.1	.3	.2									4.2
SSE	.2	.4	.1									4.9
S	.5	.5	.3	.1								5.7
SSW	.4	1.1	1.6	.2								7.0
SW	.6	3.0	3.6	.9								7.4
WSW	.7	1.5	4.0	1.9								8.0
W	.7	3.7	4.0	.8	.3							7.7
WNW	.3	.9	1.1	.8								8.0
NW	.4	.9	.9	.1								6.2
NNW	.2	.9	.9	.1								6.9
VARBL	2.3	1.0	.3	.3								4.1
CALM												26.4
	12.5	25.5	27.8	7.6	.3							100.0

TOTAL NUMBER OF OBSERVATIONS 962

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF

60-70

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

12 -14

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.8	2.4	1.1								5.4	7.4
NNE	.8	1.2	1.7	.1								3.4	6.5
NE	.5	2.1	2.2	.4								5.4	4.5
ENE	.7	1.3	2.3	.1	.1							5.4	7.4
E	.7	2.9	3.4	1.0								8.7	7.2
ESE	.4	1.8	.6	.2								3.1	5.7
SE	.1	1.2	.4									1.7	5.0
SSE	.4	1.3										1.7	4.5
S	.7	1.3	1.6	.3								3.3	6.5
SSW	.3	1.4	1.6	.1								3.4	6.4
SW	.3	2.2	4.2	1.7								4.5	8.7
WSW	.4	2.7	6.9	2.8								7.4	8.4
W	.2	3.3	4.2	3.4	.2	.1						8.9	
WNW	.2	.1	1.8	1.0								2.4	9.1
NW		1.1	1.3	.1								2.7	7.5
NNW	.1	.8	.6	.2								1.4	7.2
VARBL	1.7	2.1	.4	.2								4.5	4
CALM												13.2	
	8.1	28.7	36.1	13.6	.3	.1						100.4	6.5

TOTAL NUMBER OF OBSERVATIONS 942

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-70 MONTH 15
 CLASS ALL WEATHER MONTHS 1-17
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.0	2.5	.6								5.3	6.7
NNE	.7	2.2	2.3	.8								6.7	7.1
NE	.7	1.6	2.3	.8								5.4	7.4
ENE	.3	1.7	1.5	.9								4.4	7.7
E	.8	2.0	2.5	.9	.2							6.4	7.5
ESE	.1	1.5	1.1	.2								2.9	6.4
SE	.2	.9	.7									1.9	6.1
SSE	.1	.2	1.0									1.3	7.1
S	.6	1.8	1.6	.2								4.1	6.4
SSW	.3	1.5	2.2	.3								4.4	7.1
SW	.2	2.7	4.7	1.1								8.7	7.5
WSW	.1	3.1	5.4	2.7	.1							11.4	8.6
W	.7	2.0	4.9	3.7	.2							11.5	9.3
WNW	.1	1.1	2.1	.8	.2							4.4	9.7
NW		.8	1.7	.6								3.7	8.4
NNW	.4	1.0	1.2	.8								3.5	7.2
VARBL	.8	2.7	.1									3.4	4.7
CALM												10.7	
	6.7	29.7	37.8	14.2	.8							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 895

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS MONTH 10-2 HOURS (LST) 2

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	.9	2.8	4.0									7.7
NNE	1.2	1.2	2.8	.3								3.4
NE	1.2	.6	1.5	.3								3.7
ENE	.6		1.5	.9								3.1
E	.9	3.7	1.9									6.2
ESE		.6	.3									.8
SE	.3	.3	.3									.8
SSE	.3	2.2										2.5
S	.9	2.1	.9									4.9
SSW	.3	1.5	1.5	.3								3.4
SW	.9	4.6	4.2	.9								10.8
WSW	.3	4.0	3.2	2.5								12.1
W	.6	3.4	8.3	1.5								13.9
WNW		1.2	1.5	.6								3.4
NW	.3	.3	1.9									2.5
NNW	.6	.3	1.9	.6								3.4
VARBL	1.5	2.2										3.7
CALM												10.8
	11.1	32.1	38.0	4.0								100.0

TOTAL NUMBER OF OBSERVATIONS 324

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 69

ALL WEATHER

00 00

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	AVERAGE WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W		33.3	33.3									66.7	7.0
WNW		33.3										33.3	5.0
NW													
NNW													
VARBL													
CALM													
		66.7	33.3									100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-64,69
YEARS

ALL WEATHER
CLASS

3
MONTH
1960
HOURS (L.S.T.)

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		.8										4.0
NNE	.8											2.0
NE												
ENE												
E												
ESE												
SE												
SSE												
S	.8		.8									4.0
SSW		3.2										3.0
SW	1.6	4.0	1.6									4.0
WSW	4.8	2.4	2.2									4.0
W	6.4	4.0	2.4	.8								4.0
WNW			.8									7.0
NW												
NNW												
VARBL												
CALM											61.9	
	14.8	14.8	8.7	.8							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 126

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 6070 YEARS MONTH HOUR (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	.3	.5	.6	.1								1.5	4.0
NNE	.5	.2	.2									1.9	4.2
NE	.3	.4										2.8	3.8
ENE	.1	.3	.1									2.4	4.0
E		.1	.1									2.5	5.0
ESE	.1											2.1	3.0
SE													
SSE	.3	.2										2.8	3.4
S	.2	.1	.5	.2								1.1	3.5
SSW	.4	.4	.5	.2								1.7	4.2
SW	.8	3.3	3.0	.6								9.9	5.4
WSW	2.3	4.6	2.9	.5								10.3	5.7
W	4.5	5.0	3.2	.6	.1							13.5	5.2
WNW	.2	1.0	.5	.2								1.9	4.2
NW	.1	.6	.4	.1								1.3	4.2
NNW	.2	1.0										1.2	4.9
VARBL	.4	.3	.1									.9	4.1
CALM												53.4	
	11.1	20.3	12.4	2.7	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION: 14070 STATION NAME: BAD KREUZNACH GERMANY AAF YEAR: 60-70 MONTH: 05 - 11
 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	2.5	1.5	.1								4.0
NNE	1.0	.7	.6									2.3
NE	1.0	1.6	.7	.3								3.4
ENE	1.0	1.2	.6									2.5
E	1.2	2.4	.6									4.2
ESE	.4	.8	.2									1.8
SE	.2	.3										.8
SSE	.1	.4	.1									.4
S	.2	1.1	1.0									2.7
SSW	.3	.3	.8	.6								2.1
SW	.4	3.7	4.4	1.4	.2							10.2
WSW	.2	3.1	5.8	2.5								11.7
W	.7	3.0	5.8	2.8								12.3
WNW	.1	1.2	1.6	.6	.1							3.4
NW	.8	.7	1.7	.4								3.9
NNW	.1	.7	1.0	.1								1.6
VARBL	1.4	.5	.2	.1								2.2
CALM												29.0
	9.7	24.4	26.8	9.0	.3							100.0

TOTAL NUMBER OF OBSERVATIONS 944

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-70 MONTH 12-14
 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	1.0	2.0	1.6	.3	.1							5.0	4.4
NNE	1.0	.8	.9	.1								2.8	3.5
NE	.3	1.1	.8	.1								2.3	4.0
ENE	.7	1.6	1.0	.4								3.7	4.1
E	.4	2.3	.9									3.2	4.4
ESE	.2	.9	.9	.2								2.7	4.4
SE	.7	1.1	.3	.1								2.7	4.3
SSE	.3	.8	.2	.1								1.4	4.3
S	.7	1.0	1.3	.3								3.2	4.2
SSW		1.3	2.3	.3								3.5	7.2
SW	.3	3.3	6.3	2.4	.1							12.0	4.4
WSW	.5	3.5	3.7	3.8	.4							14.0	4.2
W	.5	3.4	6.2	4.7								14.9	9.2
WNW	.1	1.1	2.2	.9								4.0	4.2
NW	.3	1.5	1.8	.4								4.0	7.3
NNW	.3	2.0	1.1	.2								3.7	6.3
VARBL	2.0	.3	.2									2.7	3.4
CALM												13.0	
	9.4	28.1	33.7	14.7	.7							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 916

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS MONTH 10 - 17
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	.2	3.5	3.4	1.3								8.4	7.2
NNE	.8	1.2	1.2	.1								3.2	5.0
NE	.7	1.0	.3									2.7	4.0
ENE	.3	1.5	.6	.1								2.4	4.6
E	.7	1.9	.9									3.4	5.2
ESE	.3	1.6	.2									2.2	3.2
SE	.1	.8	.6									1.5	5.3
SSE	.3	1.2	.5									2.1	5.7
S	.2	2.2	.3									2.7	5.0
SSW	.2	1.5	1.9	.3								3.7	7.5
SW	.3	2.3	5.0	1.3								8.9	5.2
WSW	.6	1.7	7.3	4.5		.1						14.3	9.4
W	.6	2.8	7.2	5.1								15.7	9.1
WNW	.1	1.4	3.1	1.3								5.9	8.4
NW	.2	1.5	1.6	.3								3.5	7.0
NNW	.2	1.9	1.4	.9								4.6	7.4
VARBL	1.4	2.2	.2									3.6	4.0
CALM												11.4	
	7.5	49.7	36.0	15.3		.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 262

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 61-70 MONTH -
 CLASS ALL WEATHER HOURS (LST) 1 -2
 CONDITION _____

SPEED (KNTS) DIR.	1 - 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	5.3	4.3	.6								11.5	4.4
NNE	1.2	2.5	.9									4.7	4.7
NE	.3	.6										.5	2.7
ENE	.6	.6		.3								1.5	4.2
E	1.2	1.9	.3									3.4	5.1
ESE	.3	1.9	.6									2.7	4.8
SE		.9										.5	4.2
SSE	.3	.3	.6									1.5	7.5
S	.3	.6	1.2	.3								2.5	7.5
SSW		1.2	1.2									2.5	6.5
SW	.6	2.8	3.0	1.6								9.0	7.5
WSW	.6	2.8	6.8	.6	.3							11.2	8.2
W	.3	3.4	9.3	2.8	.3							16.1	8.7
WNW	.3	2.2	2.2	.6								5.3	7.1
NW	.3	2.2	3.1	.6								6.2	7.4
NNW	.3	.9	1.6	.6								3.4	7.5
VARBL	.9	.9		.3								2.2	4.7
CALM												13.7	
	9.0	31.1	37.3	8.4	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 322

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 69 YEARS

CLASS: ALL WEATHER MONTH: 21 - 24
HOURLS (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													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW		33.3	33.3									66.7	6.7
W		33.3										33.3	6.7
WNW													
NW													
NNW													
VARBL													
CALM													
		66.7	33.3									100.0	6.3

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)

14970 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-64 YEARS

ALL WEATHER CLASS

CONDITION

MONTH

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.8											4.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW		3.0	.8									3.0	5.0
SW	1.5	3.8	6.1	.8								12.1	7.0
WSW	3.0	2.3	1.5	.8								7.4	5.0
W	2.3	.3	1.5									6.1	4.0
WNW		.0										3.0	4.0
NW	.8	.8										1.6	4.0
NNW													
VARBL													
CALM												65.2	
	7.6	15.9	9.8	1.5								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 132

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 34070 STATION NAME: BAD KREUZNACH GERMANY AAF YEARS: 60-70 MONTH: 7
 CLASS: ALL WEATHER HOURS (LST): 5
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.4	.2									.7	1.1
NNE	.2	.6	.2									1.0	2.0
NE	.2	.4	.2									.8	4.0
ENE	.3											.9	2.0
E	.4	.1	.2									.7	4.0
ESE	.1	.1										.2	3.0
SE	.1											.3	3.0
SSE	.3											.9	2.0
S	.3	.1	.1									.5	4.4
SSW	.4	1.0	.4	.2								2.0	5.0
SW	.8	3.5	3.7	.6	.1							8.7	4.0
WSW	2.4	4.0	3.3	.2								11.3	4.0
W	3.7	4.4	2.3	.3								10.7	5.0
WNW	.1	.1	.2									.4	5.0
NW	.1	.3	.1									.5	3.0
NNW		.3										.3	4.0
VARBL	1.4	.2										1.6	1.0
CALM												38.0	
	11.0	15.6	13.0	1.6	.1							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 954

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60=70
YEARS

- 3
MONTH

ALL WEATHER
CLASS

0 -1
MOUSE (C. S. T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.1	.8	.2								2.8	4.5
NNE	.2	.4	.9									1.7	5.0
NE	.5	.8	.7									2.1	5.4
ENE	.7	1.7	.9	.2								3.8	5.4
E	.8	.9	.8	.1								2.7	5.4
ESE	.3	.4	.3									1.8	5.1
SE	.2	.1										.5	3.3
SSE		.1										.1	4.0
S	.3	.8	.4									1.8	5.5
SSW	.2	1.1	1.4	.6								3.5	7.4
SW	.8	3.3	5.3	1.7								11.1	7.5
WSW	1.3	3.6	6.0	3.0								14.9	7.8
W	.8	3.3	5.4	2.7								12.2	7.2
WNW	.4	.4	1.3	.1								2.3	7.4
NW	.2	.4	.3	.1								1.0	6.3
NNW	.3	.4	.2									.9	5.1
VARBL	3.5	.9										4.5	2.5
CALM												34.9	
	11.3	20.0	25.2	8.7								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 966

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 34070 STATION NAME: 5AD KREUZNACH GERMANY AAF YEARS: 50-70

CLASS: ALL WEATHER MONTH: 12 - 14

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	.6	1.3	1.4	.2								3.4	5.7
NNE	.3	1.4	.3									2.4	5.7
NE	.3	1.3	.6	.2								2.4	5.7
ENE	.6	2.3	.6	.1								3.7	5.7
E	1.0	3.1	2.6	.2								6.4	5.2
ESE	.7	1.3	1.1									3.1	5.7
SE		1.0	.9									1.9	5.1
SSE	.2	1.3	.5	.1								2.1	5.5
S	.1	1.0	.4									1.4	5.4
SSW	.3	1.3	1.9	1.1								4.4	5.5
SW	.4	2.9	5.4	3.5	.1							12.4	9.4
WSW	.3	2.4	7.1	3.6	.2							13.7	9.4
W	.3	2.0	7.8	4.8	.1							15.5	9.5
WNW	.1	1.0	1.4	.4								2.9	8.7
NW	.3	.6	.5	.6								2.1	7.9
NNW	.4	.6	.3	.3								1.7	6.3
VARBL	2.9	1.7	.2									4.8	3.4
CALM												15.0	
	9.1	26.4	33.1	15.2	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 935

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70

STATION STATION NAME YEARS MONTH

ALL WEATHER 15-17

CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.1	1.7	.2								3.2	7.4
NNE	.8	.7	.9	.1								2.5	5.7
NE	.7	1.3	.9	.1								3.0	5.0
ENE	1.0	1.5	1.1	.1	.1							3.0	4.6
E	.4	3.1	2.6	.2								3.4	4.4
ESE	.6	1.2	1.2									3.0	3.7
SE	.4	.8	1.2									2.5	6.0
SSE	.1	.6	.6	.1								1.4	6.3
S	.6	.9	1.5	.1								3.0	6.5
SSW	.2	.9	2.1	.6								3.0	3.1
SW	.8	2.4	6.9	2.5								12.5	3.4
WSW	1.0	3.3	5.5	4.3	.1	.1						14.3	2.2
W	.1	1.3	9.6	4.2	.2							15.4	9.4
WNW	.7	.9	2.0	1.2								4.9	9.1
NW	.1	1.0	.8	.8								2.7	2.0
NNW		.4	1.0	.4								1.0	9.8
VARBL	2.2	2.5	.1									4.8	3.6
CALM												10.7	
	10.0	24.2	39.7	14.9	.4	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 39

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 6170 YEARS

MONTH
1 - 2
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	.3	1.8	3.1									5.2	4.7
NNE	.6	.3	.6									1.5	3.2
NE	.9	2.2	.3	.3								3.7	5.1
ENE	1.2	2.2	1.5									4.9	5.2
E	.9	1.2	1.8									4.0	5.4
ESE	.6	.9	.3	.3								2.2	4.3
SE	.3	.6	.3									1.2	4.2
SSE	.6	2.2	.3									3.1	4.2
S	.6	1.5	.6		.3							3.1	6.5
SSW	2.2	1.2	1.2	.6								3.2	5.7
SW	.9	3.4	4.6	1.8								10.4	7.5
WSW	.3	3.4	4.9	4.6								13.2	9.7
W	.6	3.4	8.6	2.5	.3							13.4	8.3
WNW	.9	1.8	2.8	.6								6.2	7.3
NW		.3	1.2	.3								1.0	4.5
NNW	.3	.6	1.2									2.2	4.1
VARBL	1.8	2.2	.3									4.3	3.3
CALM												12.0	
	13.2	29.2	33.8	11.1	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

325

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

04070 BAD KREUZNACH GERMANY AAF 68
STATION STATION NAME YEARS MONTH

ALL WEATHER 00 - 0200
CLASS 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													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												100.0	
												100.0	

TOTAL NUMBER OF OBSERVATIONS 1

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 24070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-64 MONTH 2
 CLASS ALL WEATHER HOURS (L S Y) 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
M													
NNE													
NE													
ENE													
E	.9	.9										1.7	3.5
ESE													
SE		.9										.9	3.0
SSE													
S													
SSW		2.6	.9									3.4	5.3
SW	.9	1.7	2.4									6.0	7.3
WSW	1.7	1.7	4.3									7.7	6.6
W	.9	4.3	1.7									6.9	5.6
WNW			.9									.9	7.0
NW													
NNW													
VARBL													
CALM												72.6	
	4.3	12.0	11.1									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 117

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION SAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS

CLASS ALL WEATHER MONTH 6 HOUR (LST) 04

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											.2	2.8
NNE	.1	.6										.7	3.0
NE	.3	.2										.5	3.0
ENE	.5	.5										.5	3.0
E	.6	.3	.1									1.0	3.7
ESE	.2	.5										.7	4.2
SE	.2	.2										.4	3.4
SSE													
S	.7	.6										1.3	3.9
SSW	.6	.8	1.5	.2								3.1	5.4
SW	1.1	2.9	2.6	1.1								7.7	5.0
WSW	2.0	2.4	3.4	.7								8.5	6.4
W	3.3	1.8	1.3	.2								6.6	4.5
WNW	.3	.3		.1								.7	4.0
NW		.1										.1	4.0
NNW	.1	.1										.2	4.0
VARBL	1.7		.1									1.8	2.3
CALM												65.1	
	12.0	11.3	9.2	2.4								100.0	1.9

TOTAL NUMBER OF OBSERVATIONS 483

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-70 MONTH 6 - 11
 CLASS ALL WEATHER HOURS (LST) -1100
 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	.4	.6	1.1									2.1	4.2
NNE	.6	1.4	.2									2.2	4.4
NE	1.0	1.6	.6	.1								3.2	5.0
ENE	1.0	1.4	1.0									4.5	5.0
E	.6	1.6	.7	.1								2.4	3.7
ESE	.2	.8										1.1	4.1
SE	.1	.1	.2									.4	4.0
SSE	.1	.2	.1									.4	4.5
S	.4	1.2	.6	.1								2.3	5.7
SSW	.4	1.4	1.8	.6								4.2	7.1
SW	.6	2.5	4.6	1.6								9.1	5.1
WSW	1.0	2.2	3.9	2.0								9.1	5.1
W	.9	1.8	3.7	2.5								8.5	8.4
WNW	.3	.4	.2	.3								1.2	7.2
NW	.2	.2	.2									.7	5.3
NNW		.4										.4	4.0
VARBL	2.8	.6	.1	.2								3.9	2.9
CALM												44.4	
	10.7	18.5	19.0	7.5								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 897

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70 70

STATION NAME YEARS MONTH 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	.5	1.7	1.4	.1								3.4	4.0
NNE	1.3	2.3	.9	.1								4.2	4.2
NE	.3	2.3	1.5	.1								4.2	5.7
ENE	.5	2.1	2.1	.2								4.2	4.2
E	1.0	4.3	2.5	.1								4.1	5.7
ESE	.5	1.3	1.1									2.0	5.7
SE	.1	.6	.7									1.4	4.0
SSE	.1	.7	.5									1.3	5.7
S	.2	.9	1.1	.3								2.2	5.7
SSW	.5	1.6	1.5	.7								4.3	7.2
SW	.6	1.0	3.5	1.8								4.2	8.5
WSW	.3	1.8	3.7	2.7								11.2	9.2
W	.1	1.4	4.0	4.6	.2							16.4	10.7
WNW		.5	.8	.8								2.1	9.2
NW		.6	.5									1.2	4.0
NNW	.3	.1	.6									1.0	5.2
VARBL	2.6	1.8	.3									4.2	9.7
CALM												22.4	
	8.9	25.1	30.7	12.6	.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 872

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 34070 BAD KREUZNACH GERMANY AAF 60-70 YEARS MONTH 16-17
STATION NAME CLASS HOURS (LST)

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	2.0	1.4	.1								4.4	5.1
NNE	.8	1.8	1.2	.2								4.1	5.1
NE	.4	2.0	1.2	.2								3.1	5.1
ENE	.9	2.0	2.0	.1								3.1	5.1
E	.9	4.7	2.7	.5								3.4	5.1
ESE	.9	2.0	.8									3.1	4.9
SE	.4	1.3	.8									2.4	4.4
SSE	.0	.9	.6									2.1	4.5
S	.6	1.5	1.2	.2								3.1	5.3
SSW	.5	2.1	1.9	1.1								3.5	7.1
SW	.1	2.5	4.4	1.7								3.5	5.1
WSW	.6	2.0	6.4	3.4	.1							12.4	6.3
W	.2	1.4	5.7	3.4								10.4	9.4
WNW		.6	1.3	1.1								3.1	9.3
NW		.7	.4	.1								1.2	5.4
NNW		.2	.4									.6	7.1
VARBL	1.3	1.3	.4	.2								3.2	4.5
CALM												16.2	
	8.9	29.7	32.7	12.4	.1							100.1	6.1

TOTAL NUMBER OF OBSERVATIONS 345

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 30070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-70 MONTH 2
 CLASS ALL WEATHER HOURS (LST) -2
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.2	1.9									4.1	4.2
NNE	.6	.6	1.9									3.2	4.2
NE	1.6	1.0	.3									2.9	3.0
ENE	.3	2.5	.3	.3								3.4	4.4
E	1.7	3.8	1.3									7.0	5.0
ESE	1.9	1.0										2.9	3.1
SE	.3	1.6	1.0									2.9	5.2
SSE	1.0	1.6	.6									3.2	4.6
S	.3	2.5	.6									3.4	5.2
SSW	1.6	3.2	2.5	.6								8.9	6.1
SW	1.6	1.6	4.1	.6								8.9	5.2
WSW	1.3	1.6	8.6	1.6								13.1	4.4
W		2.2	2.9	1.3								6.4	7.0
WNW	.3	.3	.6	1.0								2.2	3.1
NW	.6	.3										1.0	3.2
NNW		.3	.3									.4	4.0
VARBL	1.9	1.3		.3								3.5	3.0
CALM												24.2	
	15.3	27.7	27.1	5.7								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 314

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-68 MONTH 21-23
 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	≥ 55	MEAN WIND SPEED
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
W												
WNW												
NW												
NNW												
VARBL												
CALM												100.0
												100.0

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 6/64 YEAR

CLASS ALL WEATHER MONTH 6
 HOUR (LST) 24

CONDITION

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0		1.0								2.0	0.0
NNE													
NE													
ENE		1.0										1.0	4.0
E	1.0	1.0	1.0									3.0	4.0
ESE													
SE													
SSE													
S		1.0										1.0	4.0
SSW	2.0	2.0	2.0	1.0								7.0	4.3
SW		2.0	4.0									6.0	3.2
WSW	3.0	3.0										6.0	4.0
W	3.0	2.0		2.0								7.0	4.4
WNW													
NW													
NNW													
VASBL													
CALM												67.0	
	9.0	13.0	7.0	4.0								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 100

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 60-70

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

NO. OF HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4		.1									.5	1.4
NNE	.3	.5	.3									1.2	4.2
NE	.4	.8	.5									1.7	5.4
ENE	.7	1.5	.2									1.4	4.2
E	.8	.9	.2									1.7	4.4
ESE	.2	.2										.4	3.5
SE		.1										.1	5.0
SSE													
S	.4	.3	.4									1.4	5.0
SSW	.8	1.5	.8	.4								3.4	6.2
SW	1.3	2.3	3.1	1.0								7.7	7.1
WSW	1.4	3.4	2.0	.8								8.4	6.2
W	1.7	2.6	.8	.3								5.5	5.1
WNW	.1	.4										.4	4.4
NW		.4	.3									.4	6.4
NNW		.2	.1									.2	6.7
VARBL	.9	.1	.1									1.1	2.4
CALM												63.5	
	9.5	14.6	9.8	2.5								80.0	2.1

TOTAL NUMBER OF OBSERVATIONS 916

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 60-70 MONTH 11
 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	.2	.3	.6									1.2	4.2
NNE	1.8	.9	.4	.1								3.2	4.4
NE	.8	1.5	.5	.1								2.5	5.1
ENE	.8	.3	.5	.3								2.1	4.4
E	1.3	1.9	1.6	.3								4.1	5.4
ESE	.4	.1	.2									.7	4.3
SE		.1	.1	.1								.3	4.7
SSE	.2		.1									.3	4.7
S	.2	.5	.3									1.1	5.2
SSW		1.6	1.4	.5	.1							3.4	4.7
SW	.8	3.2	4.1	1.2	.1							9.4	7.3
WSW	.6	4.7	4.9	1.8	.1							12.4	7.7
W	1.7	1.6	1.8	.7								5.8	6.4
WNW	.1	.1	.4	.4	.1							1.2	1.1
NW		.3	.2	.1								.3	7.5
NNW	.1	.3	.3									.7	6.7
VARBL	1.3	.7	.2	.2								2.5	3.7
CALM												46.2	
	10.8	18.2	17.8	5.9	.4							100.7	3.4

TOTAL NUMBER OF OBSERVATIONS 950

DATA PROCESSING DIVISION
 RTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS

CT MONTH
12 - 14
 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	.7	1.0	1.2	.2								3.1	4.4
NNE	1.3	.9	.9	.2								2.3	5.2
NE	1.7	1.5	.7									3.9	4.4
ENE	1.6	2.1	2.3	.9								4.9	5.4
E	2.7	2.8	2.9	.5								9.9	5.7
ESE	.7	.9										1.5	3.7
SE		.2	.1									.3	5.7
SSE													
S	.3	.7	.7	.3								2.0	6.6
SSW	.4	1.3	3.1	.2								5.0	7.3
SW	.2	2.7	6.2	1.8		.1						11.1	4.4
WSW	.4	2.8	6.1	2.1	.4	.1						11.7	4.8
W	.7	2.6	3.3	2.0	.1	.1						8.7	4.4
WNW	.1	.1	.5	.3								1.1	3.5
NW		.3	.7									1.0	7.1
NNW	.1	.2	.4	.2								1.0	4.9
VARBL	2.3	.7	.8									3.7	3.9
CALM												26.1	
	13.2	20.7	29.8	8.8	.3	.3						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 921

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/4AC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEAR 60-70 MONTH CT
STATION NAME YEAR MONTH

CLASS ALL WEATHER HOURS (LST) 15 - 1700
CLASS HOURS (LST)

CONDITION _____
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.7	1.2									2.1	6.4
NNE	1.7	1.3	1.4									3.4	4.1
NE	1.0	2.8	1.0	.2								5.2	4.2
ENE	1.0	1.9	1.7	.6								4.5	6.4
E	2.0	3.1	2.0	.7								7.4	5.1
ESE	1.2	1.3	.3									2.7	4.2
SE		1.3	.3									1.7	3.6
SSE	.2	.3	.3	.1								1.1	6.7
S	.6	1.1	1.5	.1								3.2	5.3
SSW	.7	2.7	2.5	.4								6.2	6.7
SW	1.2	3.5	4.5	1.3	.1							10.4	7.3
WSW	.2	2.8	6.3	1.9		.1						11.3	8.5
W	.8	2.4	3.4	1.9		.1						8.4	4.2
WNW	.3	.3	.6		.1							1.3	5.2
NW		.1	.2	.3								.7	9.7
NNW		.2	.4									.7	7.3
VARBL	1.9	.8	.3									3.1	3.4
CALM												24.9	
	13.1	26.9	27.1	7.5	.2	.2						100.1	5.0

TOTAL NUMBER OF OBSERVATIONS 89

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 61-70

STATION STATION NAME YEARS

ALL WEATHER

CLASS

MONTH 10-2000

CONDITION

HOURS (LST)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.3										1.3	4.5
NNE	.7	1.6	1.0									3.3	5.1
NE	.7	.7	.7									2.7	5.1
ENE	.7	1.6	1.3									3.6	5.1
E	1.0	2.6	.7									4.3	4.0
ESE		1.0										1.0	4.0
SE													
SSE	1.0	1.0	1.0									2.9	5.6
S	1.3	2.3	1.3									4.9	5.3
SSW	2.0	3.3	2.0									7.3	5.4
SW	1.0	2.9	2.9	.3								7.7	6.4
WSW	1.3	1.0	2.3	1.3								5.9	7.2
W	.3	2.9	2.6	.3	.3							6.4	7.4
WNW		.3										.3	6.0
NW		.3										.3	4.0
NNW	.3	.7	.3									1.3	4.5
VARBL	1.6											1.6	2.0
CALM												46.4	
	11.8	23.5	16.0	2.0	.3							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 306

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 61-64 YEARS

ALL WEATHER CLASS

MONTH 3 HOURS (LST) 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		1.1										1.1	4.0
NNE	1.1		1.1									2.2	4.0
NE	1.1		3.3									4.4	4.0
ENE	1.1	2.2	2.2									5.5	4.0
E	1.1		1.1									2.2	5.0
ESE		1.1										1.1	4.0
SE	1.1		1.1									2.2	4.0
SSE													
S		2.2										2.2	4.0
SSW	2.2	3.3		1.1								6.6	5.0
SW	1.1	4.4	3.3	1.1	1.1	1.1						12.1	1.0
WSW	2.2	3.3	2.2	4.4								14.3	7.0
W		2.2	1.1									3.3	6.0
WNW	1.1	1.1										2.2	4.0
NW													
NNW		1.1										1.1	4.0
VARBL													
CALM												39.6	
	12.1	24.2	15.4	6.6	1.1	1.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 91

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

36070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 59-70 YEARS

CLASS ALL WEATHER MONTH 6-1-68

CONDITION _____ HOURS (LST) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	.2									1.4	4.2
NNE	.5	1.4	.2									2.1	5.0
NE	.7	1.2	.8									2.7	4.7
ENE	.1	1.4	1.7	.4								3.6	7.2
E	.6	2.1	1.1	.2								4.0	5.4
ESE	.4	.7	.4	.1								1.6	5.6
SE	.4	.4	.4									1.6	4.1
SSE	.5	.6	.1									1.2	3.9
S	1.1	.9	.6	.2								2.8	3.1
SSW	.6	1.4	1.9	1.1								3.0	7.1
SW	1.7	2.7	0.5	2.4	.2	.1						13.6	7.2
WSW	2.0	2.7	5.6	2.3	.2							12.8	7.7
W	1.4	1.2	1.8	.4								4.8	3.6
WNW		.2										.2	4.5
NW	.1	.1	.2									.1	6.3
NNW		.1										.1	3.0
VAR3L	.6			.2								.6	4.6
CALM												41.6	
	10.8	18.3	21.5	7.2	.5	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 843

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF

59-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

9-11

CLASS

HOURLS (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	.3	.5	.2									1.1	4.1
NNE	.7	1.6	.7									3.1	4.1
NE	1.0	1.0	1.3	.2								3.4	5.7
ENE	1.0	1.6	1.9	.9								5.3	7.2
E	1.3	1.9	1.0	.6								4.7	5.4
ESE	.5	.6	.3									1.3	4.4
SE	.1	.6	.4	.1								1.2	4.6
SSE	.1	1.1	.1									1.3	5.5
S	.6	1.3	.3									2.2	5.1
SSW	.5	1.2	1.1	.4	.1							3.3	7.3
SW	1.0	3.0	7.9	3.1	.1							15.2	11.1
WSW	.9	2.8	5.3	2.8	.3							12.1	10.1
W	1.1	1.9	2.8	.7								6.5	5.7
WNW	.4		.3									.7	5.1
NW													
NNW		.2										.2	4.5
VARBL	.6	.3	.1									1.1	3.6
CALM												37.3	
	9.9	19.7	23.8	8.9	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 59-70 MONTH 12-14
 CLASS ALL WEATHER HOURS (LST) 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	.3	1.2	.8	.2								2.4	4.0
NNE	1.6	1.8	1.1									4.8	4.0
NE	.4	.7	1.1									2.2	6.2
ENE	1.7	1.1	2.0	1.4								6.2	7.3
E	.8	2.2	3.3	.9								7.2	7.7
ESE	.3	1.0	.2									1.4	4.4
SE	.3	.7	.7									1.7	5.2
SSE	.3	.6	.4									1.3	5.6
S	.2	1.0	.6									1.8	4.9
SSW	.1	.8	2.4	.8		.1						4.2	2.0
SW	.9	3.1	7.3	3.6	.4	.2	.1					15.7	9.1
WSW	.4	1.7	3.5	4.3	.3							12.2	9.9
W	.7	1.9	3.1	2.1								7.8	4.2
WNW	.1		.4	.1								.7	3.2
NW	.1	.1		.1								.3	7.0
NNW	.2	.1										.3	3.0
VARBL	1.2	.6	.1									1.9	3.2
CALM												27.7	
	9.8	18.5	29.2	13.6	.8	.3	.1					102.0	5.6

TOTAL NUMBER OF OBSERVATIONS 294

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 59-70 MONTH 15
 CLASS ALL WEATHER HOURS (LST) -17
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.1	.7	.2								2.7	4.0
NNE	.7	2.1	.6	.2								3.4	5.0
NE	1.3	1.9	1.5	.1								4.5	5.4
ENE	1.5	2.4	2.3	.7								6.0	5.4
E	1.5	3.5	1.3	.4								6.7	5.8
ESE	1.0	.7	.4									2.1	4.0
SE	.7	1.5	.6									2.0	4.0
SSE	.2	.2	.1									.5	5.0
S	.4	1.0	.7									2.1	5.0
SSW	.6	2.1	2.3	.2								5.2	6.5
SW	.9	3.3	5.7	2.2	.2	.2	.1					12.7	6.5
WSW	.6	2.7	6.9	4.5	.7							15.4	7.5
W	.4	1.5	3.0	.9								5.7	7.0
WNW	.1	.6	.1	.2								1.1	6.0
NW		.2	.2									.5	7.0
NNW	.1	.2	.3									.5	5.5
VARBL	1.0	.7			.1							1.5	4.1
CALM												25.7	
	11.4	25.2	27.1	9.7	1.1	.2	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 323

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 61-66,68-69 YEARS MONTH 1-2
 CLASS ALL WEATHER HOURS (LST) 2
 CONDITION

SPEED (KNTS) DIR.	1-3	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	.4									1.0	3.2
NNE	.4	.9	.7									2.1	2.7
NE	.9	2.2	1.3									4.4	3.7
ENE	1.8	1.8	.9	.9								5.4	5.7
E	2.2	.9	1.3	.4								4.5	5.7
ESE		.4										.4	5.7
SE	.4	1.8										2.2	4.4
SSE	.9											.9	2.5
S	1.3	1.3	.4	.4								3.4	5.2
SSW	.9	3.6	.4									4.9	5.7
SW	.9	3.6	4.9	1.3	1.3							12.1	6.6
WSW	.9	3.6	6.7	4.9	.4							16.6	9.2
W	.4	.9	1.3									2.7	6.2
WNW		.4		.9								1.3	9.7
NW			.4	.4								.9	10.5
NNW		1.3										1.3	5.3
VARBL	.4	.4										.9	3.7
CALM												32.5	
	12.1	25.1	19.3	9.4	1.8							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 223

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

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

SURFACE WINDS

34070 BAD KREUZNACH GERMANY AAF 66 _____
STATION STATION NAME YEARS MONTH

ALL WEATHER _____
CLASS HOURS (LST)

CONDITION

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

TOTAL NUMBER OF OBSERVATIONS _____

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 61664 YEARS MONTH 3 - 5 1957
 CLASS ALL WEATHER
 COORDINATE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2		1.2									2.4	5.3
NNE		3.6	1.2									4.8	4.0
NE		1.2	3.6	1.2								6.0	4.5
ENE			2.4	1.2								3.6	4.4
E	1.2		2.4									3.6	4.0
ESE	1.2	1.2										2.4	3.4
SE	1.2	1.2										2.4	3.5
SSE													
S													
SSW	1.2	1.2										2.4	3.5
SW	1.2	1.2	4.8	3.6	2.4							13.1	1.9
WSW	1.2		6.0	1.2	1.2							9.5	5.1
W	1.2	1.2	1.2	2.4								4.0	5.5
WNW													
NW			1.2	1.2								2.4	5.5
NNW	1.2											1.2	3.7
VARBL													
CALM												40.2	
	10.7	10.7	23.8	10.7	3.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 34

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 59-70 YEARS MONTH

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	.2	.6	.6									1.0	4.0
NNE	1.1	1.1		.1								2.0	4.2
NE	.7	1.5	.9	.6								3.0	4.4
ENE	.6	1.4	1.5	.5								4.0	5.0
E	1.7	2.1	1.5									3.0	4.1
ESE	.2	1.0	.1									1.4	4.7
SE	.2	.6	.5									.6	5.7
SSE		.2	.1									.4	5.0
S	.2	.2	.1									.2	4.0
SSW	.6	1.0	.2	.2								2.1	4.5
SW	1.0	1.4	3.5	1.9	.9	.1						8.7	4.8
WSW	1.6	2.9	7.1	4.5	.5							16.2	4.9
W	1.5	2.5	1.6	1.2	.1							6.9	7.0
WNW	.2	.4										.4	4.0
NW	.4	.2	.2									.8	5.1
NNW	.2	.2	.1									.5	4.4
VARBL	.5	.5		.1								1.1	4.8
CALM												41.9	
	11.3	17.9	18.1	9.2	1.5	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 419

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 34070 STATION NAME BAD KREUZNACH GERMANY AAF YEARS 59-70 MONTH C
 CLASS ALL WEATHER HOURS (LST) -11
 CONDITION _____

SPE D (KNI S) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.3									1.0	4.0
NNE	.7	.6	.3	.1								2.0	4.2
NE	.7	1.0	.9	.3								3.0	4.7
ENE	.9	1.8	2.1	.8								5.7	5.0
E	1.4	2.3	2.7	.2								6.0	6.2
ESE	.1	1.3	.5									1.9	5.7
SE	.3	.3	.4	.1								1.4	5.5
SSE		.1										.1	4.0
S	.3	.5	.4									1.0	4.3
SSW	.3	1.2	.8	.1	.1							2.8	7.7
SW	.8	1.8	4.0	1.9	.8							9.8	9.1
WSW	1.0	2.9	6.6	2.7	.8							15.1	7.7
W	1.6	1.7	3.6	1.2	.1		.1					8.2	7.8
WNW		.1	.1									.2	7.8
NW	.3	.3										.6	4.7
NNW	.2	.4										.5	4.3
VARBL	2.0	.2		.3								2.8	3.3
CALM												37.8	
	11.4	17.5	23.2	8.9	1.9		.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 955

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070 STATION BAD KREUZNACH GERMANY AAF 59-70 YEARS MONTH 12 -14 HOURS (L S T)
 ALL WEATHER CLASS
 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	1.3	.4	.1								2.3	5.4
NNE	.7	.9	.7	.2								2.4	6.0
NE	.7	2.0	1.4	.3								4.4	5.3
ENE	.7	2.3	2.0	.8								5.7	6.9
E	1.6	3.1	3.1	.8								8.5	6.3
ESE	.3	1.5	.5									2.4	5.1
SE	.3	.1	.2	.1								.5	3.7
SSE	.2	.1	.1									.4	4.2
S	.1	.7	.7	.1								1.5	6.4
SSW	.5	1.4	.8	.2								3.0	6.2
SW	.8	2.5	3.7	4.3	.5							11.2	9.5
WSW	.5	2.1	3.7	3.7	.5							12.4	9.0
W	.2	1.3	4.6	2.3	.5	.1						9.4	7.1
WNW	.1	.1	.7	.2	.1							1.2	7.0
NW	.2	.2	.3									1.0	5.0
NNW	.2	.2	.1									.7	4.5
VARBL	2.4	.2	.1									2.7	2.4
CALM												29.1	
	10.4	20.2	25.1	13.4	1.8	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 913

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 59-70 50
STATION STATION NAME YEARS MONTH
ALL WEATHER 15-17
CLASS HOURS (LST)
CONDITION

SPEED (KNTS) DIP.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.6	.6	.1								2.1	4.6
NNE	.6	1.0	1.0									2.6	5.5
NE	.9	.9	1.1	.7								3.6	7.0
ENE	2.4	3.0	2.0	.4								7.7	4.4
E	2.9	3.1	1.1									7.1	4.4
ESE	.5	1.1										1.6	4.2
SE	.1	1.0	.2									1.4	5.2
SSE	.2	.4	.1									.7	4.0
S	.6	.6	.1	.1								1.8	4.7
SSW	1.2	2.0	.4	.5								4.1	5.8
SW	.5	1.9	4.5	3.6	.7	.1						11.3	5.4
WSW	.5	3.7	6.3	2.2	.6	.1						14.1	4.4
W	.4	1.5	5.0	2.1		.1						9.1	9.0
WNW	.1	.5	.5		.1							1.2	7.2
NW	.2	.5	.1		.1							1.0	6.5
NNW	.1	.5	.5	.2								1.4	7.0
VARBL	1.1	.2			.2							1.6	4.0
CALM												27.9	
	13.2	23.5	24.2	10.0	1.9	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 806

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 BAD KREUZNACH GERMANY AAF 61-66,68-69

STATION STATION NAME YEARS MONTH
 18-20
 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			.9									.9	2.7
NNE	.9	1.4	.5									2.8	4.2
NE	1.9	.9	1.4									4.2	5.4
ENE		.5	1.4	.5								2.4	5.0
E	2.4	2.8	1.4									6.6	4.5
ESE	1.9	.5										2.4	2.0
SE	.5	.9										1.4	3.7
SSE		.9										.5	5.7
S	.9											.9	2.0
SSW	.5	1.4	.9	.9								3.8	7.5
SW		1.9	3.5	2.8	1.4							14.6	10.4
WSW	.5	3.8	5.2	1.9	1.9	.5						13.7	6.8
W	3.2	2.4	5.2									16.8	6.2
WNW	.5	.9			.5							1.9	7.2
NW													
NNW	.5	.5	.5									1.4	5.3
VARBL	.9											.9	2.5
CALM												30.2	
	14.6	18.9	25.9	6.1	3.8	.5						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 212

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 66 YEARS MONTH

ALL WEATHER CLASS 21° - 22° HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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		50.0										50.0	4.0
W		50.0										50.0	4.0
WNW													
NW													
NNW													
VARBL													
CALM													
		100.0										100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 59-70 YEARS

INSTRUMENT

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

MONTH
 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	.4	.1								1.0	5.0
NNE	1.1	1.5	.4	.0								3.1	4.5
NE	1.4	1.5	.3	.0								3.2	4.0
ENE	1.5	1.9	.9	.2								4.6	3.7
E	2.3	3.1	1.4	.2								7.0	3.7
ESE	.7	1.3	.2	.0								2.3	4.6
SE	.2	.6	.3	.0								1.7	3.4
SSE	.3	.4	.1									.6	4.3
S	.3	.3	.1									.6	4.1
SSW	.3	.6	.4	.2	.0							1.8	6.3
SW	.6	1.1	1.3	.7	.1	.0						3.9	7.0
WSW	.9	1.4	1.5	.9	.2	.0						4.0	7.7
W	1.0	1.2	.8	.3	.0	.0						3.4	3.6
WNW	.1	.1	.2	.1	.0							.4	7.3
NW	.1	.1	.1	.0	.0							.4	5.7
NNW	.2	.2	.2	.0								.6	6.2
VARBL	1.3	.2		.0								1.4	2.2
CALM												58.3	
	13.2	16.3	8.9	2.9	.4	.1						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 9635

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.

* Low percentages in visibility column ≥ 10 miles for some months and month-hour groups are due to station reporting a maximum visibility of 7 miles for these observations.

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	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING																	
1800																	
1500					91.0												92.6
1200																	
1000																	
900																	
800																	
700																	
600																	
500										97.4							98.1
400																	
300																	
200																	
100																	
0					95.4		96.9			98.3							100.0

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

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 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 ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 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 RTAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AFB
STATION NAME

59-70
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	>.8	≥.75	≥.7	≥.6
NO CEILING		17.5	19.8	22.6	23.8	24.6	26.0	26.7	27.1	27.6	27.9	28.0	28.1	28.2	28.2	28.3
IV 20000		23.5	26.4	29.8	31.4	32.5	34.3	35.1	35.6	36.3	36.7	36.9	37.1	37.3	37.3	37.5
IV 18000		23.5	26.4	29.8	31.4	32.5	34.3	35.1	35.6	36.3	36.7	36.9	37.1	37.3	37.3	37.5
IV 16000		23.5	26.4	29.8	31.4	32.5	34.3	35.1	35.6	36.3	36.7	36.9	37.1	37.3	37.3	37.5
IV 14000		23.6	20.9	29.9	31.5	32.6	34.4	35.2	35.7	36.4	36.8	37.0	37.2	37.4	37.4	37.6
IV 12000		23.0	20.9	32.3	31.8	32.9	34.7	35.6	36.1	36.8	37.2	37.4	37.6	37.8	37.8	38.0
IV 10000		25.5	20.7	32.3	33.9	35.1	37.0	37.9	38.4	39.2	39.6	39.8	40.0	40.2	40.2	40.4
IV 9000		27.0	30.4	34.2	35.9	37.1	39.1	40.0	40.6	41.4	41.8	42.0	42.2	42.4	42.5	42.7
IV 8000		30.7	34.5	38.8	40.8	42.1	44.3	45.4	46.1	47.0	47.4	47.6	47.8	48.1	48.1	48.3
IV 7000		33.1	37.1	41.7	43.8	45.2	47.6	48.9	49.6	50.5	51.0	51.2	51.5	51.7	51.8	52.0
IV 6000		34.1	38.3	43.0	45.2	46.6	49.1	50.3	51.1	52.1	52.6	52.8	53.1	53.3	53.3	53.5
IV 5000		36.0	40.9	45.8	47.8	49.3	51.9	53.2	54.0	55.1	55.6	55.8	56.0	56.3	56.3	56.5
IV 4500		37.5	42.1	47.2	49.6	51.2	53.8	55.1	55.9	57.0	57.5	57.7	58.0	58.2	58.3	58.5
IV 4000		40.3	45.3	50.9	53.4	55.1	57.8	59.2	60.1	61.2	61.7	62.0	62.2	62.5	62.5	62.8
IV 3500		43.6	48.8	54.5	57.6	59.4	62.2	63.7	64.6	65.7	66.3	66.5	66.8	67.1	67.1	67.4
IV 3000		48.8	54.6	61.3	64.4	66.3	69.5	71.2	72.1	73.3	74.1	74.4	74.7	75.0	75.1	75.3
IV 2500		53.6	60.2	67.8	71.2	73.4	77.0	78.9	80.0	81.5	82.2	82.6	83.0	83.3	83.3	83.6
IV 2000		55.3	62.1	70.1	73.8	76.0	79.9	81.9	82.1	84.0	85.6	85.9	86.4	86.7	86.7	87.0
IV 1800		55.8	62.7	70.7	74.5	76.8	80.8	82.8	84.0	85.7	86.5	86.9	87.3	87.7	87.7	88.0
IV 1500		56.8	63.8	72.2	76.1	78.5	82.8	85.0	86.4	88.2	89.0	89.5	89.9	90.3	90.3	90.6
IV 1200		57.5	64.7	73.2	77.2	79.9	84.5	86.9	88.3	90.2	91.1	91.6	92.0	92.5	92.5	92.8
IV 1000		57.7	65.0	73.6	77.8	80.4	85.2	87.7	89.3	91.5	92.5	93.0	93.5	94.0	94.0	94.3
IV 900		57.8	65.1	73.7	77.9	80.6	85.4	88.0	89.5	91.8	92.9	93.4	93.9	94.4	94.4	94.7
IV 800		57.8	65.1	73.7	78.0	80.7	85.5	88.2	89.8	92.3	93.4	93.9	94.5	95.0	95.0	95.3
IV 700		57.8	65.2	73.7	78.0	80.7	85.6	88.3	90.0	92.5	93.8	94.4	95.0	95.5	95.5	95.9
IV 600		57.8	65.2	73.8	78.0	80.7	85.6	88.4	90.1	92.8	94.1	94.7	95.4	95.9	95.9	96.3
IV 500		57.8	65.2	73.8	78.0	80.7	85.7	88.5	90.2	93.0	94.4	95.1	95.8	96.5	96.5	96.9
IV 400		57.8	65.2	73.8	78.0	80.7	85.7	88.5	90.2	93.1	94.6	95.2	96.1	96.9	96.9	97.4
IV 300		57.8	65.2	73.8	78.0	80.7	85.7	88.5	90.2	93.1	94.7	95.4	96.3	97.3	97.4	98.1
IV 200		57.8	65.2	73.8	78.0	80.7	85.7	88.5	90.2	93.2	94.7	95.5	96.4	97.5	97.6	98.7
IV 100		57.8	65.2	73.8	78.0	80.7	85.7	88.5	90.2	93.2	94.7	95.5	96.4	97.5	97.7	99.4
IV 0		57.8	65.2	73.8	78.0	80.8	85.7	88.5	90.2	93.2	94.7	95.5	96.4	97.5	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 47609

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING		5.5	7.9	10.6	11.6	12.5	14.6	15.5	16.1	16.7	17.1	17.3	17.4	17.6	17.6	17.6
IV 20000		7.0	9.8	12.8	14.0	15.1	17.6	18.9	19.5	20.5	21.0	21.2	21.4	21.6	21.6	21.8
IV 18000		7.0	9.8	12.8	14.0	15.1	17.6	18.9	19.5	20.5	21.0	21.2	21.4	21.6	21.6	21.8
IV 16000		7.0	9.8	12.8	14.0	15.1	17.6	18.9	19.5	20.5	21.0	21.2	21.4	21.6	21.6	21.8
IV 14000		7.0	9.8	12.8	14.0	15.1	17.6	18.9	19.5	20.5	21.0	21.2	21.4	21.6	21.6	21.8
IV 12000		7.1	9.9	12.9	14.2	15.3	17.8	19.0	19.7	20.0	21.2	21.4	21.6	21.8	21.8	22.0
IV 10000		7.2	10.2	13.3	14.6	15.8	18.3	19.6	20.3	21.3	21.9	22.2	22.4	22.6	22.6	22.8
IV 9000		8.1	11.1	14.2	15.6	16.9	19.6	21.1	21.8	22.9	23.6	23.8	24.1	24.2	24.2	24.4
IV 8000		10.1	13.5	17.0	18.7	20.1	23.1	24.6	25.4	26.8	27.5	27.7	28.0	28.2	28.2	28.4
IV 7000		11.8	15.3	19.0	20.9	22.5	25.8	27.7	28.6	30.1	30.9	31.2	31.4	31.6	31.6	31.8
IV 6000		12.4	16.1	19.9	21.8	23.5	26.9	28.7	29.6	31.2	32.0	32.2	32.5	32.7	32.7	32.9
IV 5000		13.3	17.2	21.4	23.5	25.1	28.7	30.8	31.7	33.4	34.2	34.5	34.8	35.0	35.0	35.2
IV 4500		14.3	18.7	23.5	25.8	27.4	31.1	33.3	34.2	35.9	36.7	37.0	37.3	37.5	37.5	37.7
IV 4000		16.4	21.1	26.4	29.1	30.7	34.6	36.8	37.8	39.6	40.5	40.8	41.1	41.2	41.2	41.5
IV 3500		18.5	23.6	29.4	32.3	34.1	38.2	40.5	41.5	43.4	44.3	44.6	45.0	45.2	45.2	45.4
IV 3000		22.7	28.9	35.5	38.7	40.8	45.4	48.1	49.2	51.5	52.5	52.8	53.2	53.7	53.7	53.9
IV 2500		26.9	34.1	42.8	46.6	49.1	54.6	57.5	59.0	61.9	63.1	63.5	64.2	64.8	64.8	65.0
IV 2000		28.6	36.3	45.4	49.6	52.2	58.7	62.1	63.7	67.1	68.4	68.8	69.7	70.2	70.2	70.5
IV 1800		29.3	37.1	46.4	50.8	53.7	60.4	63.9	65.6	69.1	70.5	70.9	71.8	72.3	72.3	72.6
IV 1500		30.2	38.1	48.3	53.1	56.2	63.7	67.7	69.5	73.4	74.9	75.3	76.4	77.0	77.0	77.3
IV 1200		31.0	39.3	49.8	54.6	57.9	66.1	70.6	72.7	77.2	78.9	79.3	80.4	81.2	81.2	81.5
IV 1000		31.4	39.6	50.1	55.3	58.9	67.8	72.7	75.4	80.6	82.7	83.3	84.5	85.4	85.4	85.8
IV 900		31.4	39.7	50.2	55.5	59.1	68.2	73.2	76.0	81.3	83.5	84.4	85.4	86.3	86.3	86.7
IV 800		31.4	39.7	50.3	55.7	59.3	68.3	73.9	76.8	82.5	84.9	85.9	87.0	87.9	87.9	88.3
IV 700		31.4	39.7	50.3	55.7	59.3	68.6	74.2	77.2	83.2	86.0	87.1	88.2	89.2	89.2	89.7
IV 600		31.4	39.7	50.3	55.7	59.3	68.6	74.3	77.3	83.3	86.5	87.7	89.0	90.1	90.2	90.6
IV 500		31.5	39.8	50.3	55.7	59.4	68.6	74.3	77.3	83.6	87.0	88.5	90.3	91.8	91.9	92.6
IV 400		31.5	39.8	50.3	55.7	59.4	68.6	74.3	77.3	83.7	87.3	88.9	90.7	92.7	92.9	93.7
IV 300		31.5	39.8	50.3	55.7	59.4	68.6	74.3	77.3	83.8	87.5	89.1	91.2	93.8	94.2	95.5
IV 200		31.5	39.8	50.3	55.7	59.4	68.6	74.3	77.3	83.9	87.6	89.3	91.4	94.1	94.7	96.2
IV 100		31.5	39.8	50.3	55.7	59.4	68.6	74.3	77.3	83.9	87.7	89.3	91.5	94.2	95.0	98.8
IV 0		31.5	39.8	50.3	55.7	59.4	68.6	74.3	77.3	83.9	87.7	89.3	91.5	94.2	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3633

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANIA AAF
STATION NAME

60-70
YEAR

FEB

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	≥0.9	≥0.8	≥0.7	≥0.6	≥0	≥0
NO CEILING		11.5	13.7	15.9	17.0	17.8	19.7	20.7	21.2	22.1	22.7	23.0	23.4	23.7	23.7	23.7
≥ 20000		14.1	17.1	20.0	21.6	22.6	25.4	26.5	27.2	28.5	29.3	29.8	30.4	30.7	30.8	30.8
IV 18000		14.1	17.1	20.0	21.6	22.6	25.4	26.5	27.2	28.5	29.3	29.8	30.4	30.7	30.8	30.8
IV 16000		14.1	17.1	20.0	21.6	22.7	25.4	26.5	27.3	28.5	29.4	29.9	30.5	30.8	30.8	30.8
IV 14000		14.2	17.2	20.0	21.7	22.7	25.5	26.6	27.3	28.6	29.4	29.9	30.5	30.8	30.9	30.9
IV 12000		14.3	17.3	20.2	22.0	23.0	25.7	26.9	27.6	28.9	29.7	30.2	30.8	31.2	31.2	31.2
IV 10000		15.1	18.1	21.2	23.1	24.3	27.3	28.6	29.5	30.8	31.7	32.3	32.8	33.2	33.2	33.2
IV 9000		16.1	19.2	22.4	24.5	25.7	28.8	30.2	31.2	32.6	33.5	34.1	34.7	35.0	35.0	35.1
IV 8000		18.6	22.0	25.7	28.2	29.4	32.9	34.7	35.9	37.9	38.4	39.0	39.6	39.9	40.0	40.0
IV 7000		19.8	23.5	27.3	30.0	31.2	34.8	36.9	38.3	40.2	41.1	41.7	42.4	42.8	42.8	42.9
IV 6000		20.6	24.4	28.4	31.1	32.4	36.0	38.2	39.6	41.6	42.5	43.2	43.9	44.3	44.3	44.3
IV 5000		21.7	25.6	29.9	32.6	34.0	37.9	40.0	41.4	43.4	44.4	45.1	45.8	46.2	46.2	46.2
IV 4500		23.0	27.0	31.5	34.4	35.8	39.7	41.9	43.3	45.4	46.3	47.0	47.7	48.1	48.1	48.2
IV 4000		23.5	29.9	33.2	38.0	39.7	43.6	45.9	47.4	49.6	50.6	51.3	52.0	52.4	52.4	52.5
IV 3500		25.2	32.9	38.6	41.7	43.3	47.5	49.9	51.5	53.7	54.7	55.4	56.1	56.5	56.6	56.6
IV 3000		33.4	39.4	45.8	49.3	51.2	55.8	58.7	60.8	63.2	64.6	65.3	66.2	66.7	66.7	66.7
IV 2500		37.8	44.7	52.6	56.7	59.3	64.4	67.6	69.7	72.4	73.9	74.8	75.7	76.3	76.3	76.4
IV 2000		39.4	46.7	54.8	59.3	61.9	67.6	70.9	73.3	76.2	77.8	78.9	80.1	80.7	80.7	80.9
IV 1800		39.8	47.2	55.4	60.1	62.8	68.6	72.1	74.5	77.4	79.0	80.2	81.5	82.1	82.2	82.3
IV 1500		41.0	48.6	57.3	62.4	65.3	71.6	75.2	77.8	81.0	82.8	84.2	85.5	86.3	86.4	86.5
IV 1200		42.2	50.2	59.1	64.3	67.5	74.2	78.0	80.9	84.3	86.3	87.8	89.3	90.1	90.1	90.3
IV 1000		42.5	50.5	59.5	65.0	68.1	74.9	78.9	81.9	85.9	88.3	89.8	91.5	92.6	92.6	92.8
IV 900		42.6	50.7	59.6	65.1	68.2	75.1	79.2	82.1	86.2	88.6	90.2	91.9	93.0	93.1	93.3
IV 800		42.6	50.7	59.7	65.2	68.3	75.2	79.3	82.3	86.5	89.0	90.6	92.4	93.7	93.7	93.9
IV 700		42.6	50.7	59.7	65.2	68.3	75.2	79.3	82.3	86.6	89.2	91.0	93.0	94.4	94.4	94.6
IV 600		42.6	50.7	59.7	65.2	68.3	75.2	79.4	82.3	86.8	89.6	91.5	93.6	94.9	95.0	95.2
IV 500		42.6	50.7	59.7	65.2	68.3	75.2	79.4	82.5	87.0	89.8	91.7	94.0	95.4	95.5	95.8
IV 400		42.6	50.7	59.7	65.2	68.3	75.2	79.4	82.5	87.0	90.1	92.1	94.5	96.8	97.0	97.7
IV 300		42.6	50.7	59.7	65.2	68.3	75.2	79.4	82.5	87.0	90.2	92.2	94.6	97.0	97.3	98.3
IV 200		42.6	50.7	59.7	65.2	68.3	75.2	79.4	82.5	87.0	90.2	92.2	94.6	97.1	97.6	97.3
IV 100		42.6	50.7	59.7	65.2	68.3	75.2	79.4	82.5	87.0	90.2	92.2	94.6	97.1	97.6	97.3
IV 0		42.6	50.7	59.7	65.2	68.3	75.2	79.4	82.5	87.0	90.2	92.2	94.6	97.1	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3279

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE

CEILING VERSUS VISIBILITY

24070 STATION BAD KREUZNAID GER 24 Y 4AF

60-74

MAR

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	≥0.9	≥0.8	≥0.7	≥0.6	≥0	
NO CEILING	13.9	16.9	19.9	21.1	22.4	24.3	25.3	26.1	26.9	27.5	27.8	27.9	28.1	28.1	29.3	
IV 20000	18.0	21.7	25.8	27.7	29.3	31.6	32.8	33.7	35.1	35.8	36.1	36.3	36.5	36.5	36.7	
IV 18000	18.0	21.7	25.8	27.7	29.3	31.6	32.8	33.7	35.1	35.8	36.1	36.3	36.5	36.5	36.7	
IV 16000	18.0	21.7	25.8	27.7	29.3	31.6	32.8	33.7	35.1	35.8	36.1	36.3	36.5	36.5	36.7	
IV 14000	18.2	21.9	25.9	27.9	29.4	31.8	32.9	33.9	35.2	36.0	36.3	36.5	36.8	36.8	36.9	
IV 12000	18.4	22.2	26.3	28.2	29.8	32.2	33.3	34.3	35.6	36.4	36.7	36.9	37.1	37.1	37.3	
IV 10000	19.5	23.6	27.8	29.9	31.5	33.9	35.2	36.1	37.6	38.5	38.9	39.1	39.4	39.4	39.6	
IV 9000	20.6	25.1	29.5	31.6	33.2	35.7	36.9	37.9	39.4	40.3	40.7	40.9	41.1	41.1	41.3	
IV 8000	22.8	27.7	32.3	34.5	36.2	38.9	40.2	41.4	43.2	44.1	44.3	44.8	45.0	45.0	45.2	
IV 7000	24.7	29.5	34.7	37.0	38.9	41.8	43.2	44.4	46.2	47.2	47.6	47.9	48.1	48.1	48.3	
IV 6000	25.2	30.5	35.4	37.8	39.7	42.7	44.1	45.4	47.3	48.3	48.7	48.9	49.2	49.2	49.4	
IV 5000	25.5	32.3	37.4	40.0	42.0	45.0	46.5	47.8	49.8	50.8	51.2	51.5	51.7	51.7	51.9	
IV 4500	28.0	33.9	39.2	41.9	43.9	46.9	48.4	49.7	51.7	52.8	53.2	53.4	53.7	53.7	53.9	
IV 4000	31.7	37.1	43.1	46.1	48.2	51.4	53.1	54.3	56.6	57.8	58.2	58.5	58.8	58.8	59.0	
IV 3500	34.1	40.9	47.7	51.2	53.4	56.8	58.6	60.1	62.2	63.4	63.8	64.1	64.4	64.4	64.6	
IV 3000	38.9	46.2	54.2	58.1	60.5	64.2	66.2	67.7	70.0	71.3	71.8	72.1	72.4	72.4	72.6	
IV 2500	45.5	53.8	63.4	67.7	70.5	74.7	77.0	78.9	81.6	83.1	83.6	83.9	84.2	84.2	84.4	
IV 2000	47.9	56.5	67.0	71.9	74.7	79.2	81.6	83.3	86.4	87.9	88.3	88.9	89.3	89.3	89.5	
IV 1800	48.7	57.4	67.9	73.0	75.8	80.5	83.0	84.9	87.9	89.4	90.0	90.4	90.7	90.7	90.9	
IV 1500	50.5	59.4	70.1	75.3	78.2	83.4	86.1	88.0	91.0	92.6	93.2	93.6	94.0	94.0	94.2	
IV 1200	51.1	60.2	71.0	76.4	79.3	84.8	87.1	89.0	92.0	93.6	94.2	94.8	95.3	95.7	95.8	
IV 1000	51.5	60.7	71.6	77.0	80.1	85.6	88.0	90.7	93.7	95.3	96.2	96.7	97.1	97.1	97.3	
IV 900	51.5	60.7	71.6	77.0	80.1	85.6	88.0	90.7	93.7	95.3	96.2	96.7	97.1	97.1	97.4	
IV 800	51.5	60.7	71.6	77.0	80.1	85.6	88.0	90.7	93.7	95.3	96.2	96.7	97.1	97.1	97.8	
IV 700	51.5	60.7	71.6	77.0	80.1	85.6	88.0	90.7	93.7	95.3	96.2	96.7	97.1	97.1	97.8	
IV 600	51.5	60.7	71.6	77.1	80.2	85.7	88.1	91.2	94.0	95.6	97.0	97.6	97.9	98.3	98.5	
IV 500	51.5	60.7	71.6	77.1	80.2	85.7	88.1	91.2	94.0	95.6	97.0	97.6	97.9	98.3	98.8	
IV 400	51.5	60.7	71.6	77.1	80.2	85.7	88.1	91.2	94.0	95.6	97.0	97.6	97.9	98.3	98.8	
IV 300	51.5	60.7	71.6	77.1	80.2	85.7	88.1	91.2	94.0	95.6	97.0	97.6	97.9	98.3	99.0	
IV 200	51.5	60.7	71.6	77.1	80.2	85.7	88.1	91.2	94.0	95.6	97.0	97.6	97.9	98.3	99.3	
IV 100	51.5	60.7	71.6	77.1	80.2	85.7	88.1	91.2	94.0	95.6	97.0	97.6	97.9	98.3	99.5	
IV 0	51.5	60.7	71.6	77.1	80.2	85.7	88.1	91.2	94.0	95.6	97.0	97.6	97.9	98.3	99.7	
	51.5	60.7	71.6	77.1	80.2	85.8	89.0	91.4	93.2	94.8	95.8	96.5	96.8	97.2	99.8	

TOTAL NUMBER OF OBSERVATIONS 4095

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

30070 BAD KREUZNACH GERMANY AAF

60-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.1
NO CEILING		21.5	23.5	25.7	26.7	27.2	28.2	28.4	28.5	28.6	28.6	28.6	28.7	28.8	28.8	28.8
≥ 20000		28.4	31.2	34.4	35.6	36.5	37.8	38.2	38.4	38.5	38.5	38.5	38.6	38.7	38.7	38.7
≥ 18000		28.4	31.2	34.4	35.6	36.5	37.8	38.2	38.4	38.5	38.5	38.5	38.6	38.7	38.7	38.7
≥ 16000		28.4	31.2	34.4	35.6	36.5	37.8	38.2	38.4	38.5	38.5	38.5	38.6	38.7	38.7	38.7
≥ 14000		28.4	31.3	34.5	35.7	36.6	37.9	38.3	38.5	38.6	38.6	38.6	38.7	38.8	38.8	38.8
≥ 12000		28.8	31.7	35.0	36.2	37.1	38.3	38.8	38.9	39.1	39.1	39.1	39.2	39.3	39.3	39.3
≥ 10000		30.6	33.6	37.1	38.4	39.4	40.7	41.2	41.3	41.5	41.5	41.6	41.6	41.8	41.8	41.8
≥ 9000		32.2	35.4	39.1	40.5	41.5	42.9	43.4	43.5	43.7	43.8	43.8	43.9	44.1	44.1	44.1
≥ 8000		36.3	40.1	44.5	46.0	47.2	48.8	49.3	49.5	49.6	49.7	49.8	49.9	50.1	50.1	50.1
≥ 7000		38.5	42.6	47.2	48.8	50.1	52.0	52.6	52.8	53.0	53.1	53.2	53.3	53.5	53.5	53.5
≥ 6000		39.7	43.9	48.8	50.4	51.7	53.6	54.2	54.4	54.6	54.7	54.8	54.9	55.1	55.1	55.1
≥ 5000		41.8	46.2	51.5	53.5	54.9	57.0	57.6	57.9	58.1	58.1	58.2	58.3	58.5	58.5	58.6
≥ 4500		43.3	47.8	53.3	55.3	56.8	58.9	59.6	59.8	60.0	60.1	60.1	60.3	60.4	60.4	60.5
≥ 4000		47.5	52.2	58.4	60.7	62.2	64.5	65.2	65.4	65.7	65.7	65.8	65.9	66.1	66.1	66.1
≥ 3500		52.0	57.4	64.2	66.7	68.3	70.8	71.5	71.8	72.0	72.1	72.2	72.3	72.5	72.5	72.6
≥ 3000		59.8	66.1	73.4	75.9	77.3	80.6	81.4	81.7	82.0	82.1	82.2	82.3	82.5	82.5	82.6
≥ 2500		66.4	73.4	81.4	84.2	86.2	89.2	90.1	90.5	90.9	91.1	91.1	91.3	91.5	91.5	91.5
≥ 2000		68.2	75.5	83.8	86.8	89.0	92.1	93.1	93.5	93.9	94.1	94.2	94.4	94.6	94.6	94.7
≥ 1800		68.9	76.3	84.7	87.7	89.5	93.1	94.1	94.4	94.9	95.1	95.2	95.3	95.6	95.6	95.6
≥ 1500		70.0	77.7	86.1	89.4	91.6	95.0	96.1	96.4	96.9	97.1	97.2	97.3	97.6	97.6	97.7
≥ 1200		70.5	78.2	86.7	89.9	92.2	95.8	96.9	97.3	97.8	98.0	98.1	98.2	98.5	98.5	98.5
≥ 1000		70.8	78.5	87.1	90.4	92.7	96.2	97.4	97.8	98.4	98.6	98.7	98.9	99.1	99.1	99.2
≥ 900		70.8	78.5	87.1	90.4	92.7	96.3	97.5	97.9	98.4	98.7	98.8	98.9	99.2	99.2	99.3
≥ 800		70.9	78.6	87.2	90.5	92.8	96.4	97.6	98.0	98.6	98.8	98.9	99.1	99.4	99.4	99.5
≥ 700		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.6	98.8	98.9	99.1	99.4	99.4	99.5
≥ 600		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.6	98.8	98.9	99.2	99.4	99.4	99.5
≥ 500		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.7	98.9	99.0	99.2	99.5	99.5	99.6
≥ 400		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.7	98.9	99.0	99.2	99.5	99.5	99.6
≥ 300		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.7	98.9	99.0	99.2	99.5	99.5	99.7
≥ 200		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.7	98.9	99.0	99.2	99.5	99.6	99.8
≥ 100		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.7	98.9	99.0	99.2	99.6	99.6	99.9
≥ 0		70.9	78.6	87.2	90.5	92.8	96.5	97.7	98.1	98.7	98.9	99.0	99.2	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 4179

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

69-70
YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .8	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2	0
NO CEILING		24.1	26.3	27.9	29.0	29.3	29.9	30.2	30.2	30.2	30.3	30.3	30.4	30.5	30.5	30.5
≥ 20000		25.0	38.8	40.9	42.0	42.4	43.3	43.6	43.6	43.7	43.8	43.8	43.9	44.0	44.0	44.0
IV 18000		35.0	38.8	40.9	42.0	42.4	43.3	43.6	43.6	43.7	43.8	43.8	43.9	44.0	44.0	44.0
IV 16000		35.0	38.8	40.9	42.0	42.4	43.3	43.6	43.6	43.7	43.8	43.8	43.9	44.0	44.0	44.0
IV 14000		35.2	39.1	41.2	42.3	42.7	43.9	43.9	43.9	44.0	44.1	44.1	44.2	44.3	44.3	44.4
IV 12000		36.6	39.6	41.7	42.8	43.2	44.1	44.4	44.4	44.5	44.6	44.6	44.7	44.8	44.8	44.8
IV 10000		39.9	42.0	44.2	45.4	45.8	46.9	47.1	47.1	47.2	47.3	47.3	47.4	47.5	47.5	47.6
IV 9000		40.9	44.2	46.3	47.8	48.2	49.3	49.5	49.5	49.7	49.7	49.8	49.9	49.9	49.9	50.0
IV 8000		46.5	50.8	53.4	54.7	55.2	56.4	56.6	56.8	56.9	57.0	57.0	57.1	57.2	57.2	57.2
IV 7000		51.2	55.5	59.2	60.7	61.3	62.6	62.9	63.0	63.2	63.3	63.3	63.4	63.5	63.5	63.5
IV 6000		52.8	57.2	61.2	62.6	63.2	64.4	64.8	64.9	65.1	65.2	65.2	65.3	65.4	65.4	65.4
IV 5000		55.7	60.5	64.9	66.0	66.6	67.9	68.2	68.4	68.6	68.7	68.7	68.8	68.9	68.9	68.9
IV 4500		57.6	62.6	66.6	68.1	68.8	70.1	70.5	70.7	70.8	70.9	70.9	71.1	71.1	71.1	71.2
IV 4000		61.8	66.3	70.8	72.4	73.2	74.6	74.9	75.1	75.3	75.4	75.4	75.6	75.6	75.6	75.7
IV 3500		65.4	71.0	75.7	77.5	78.3	79.8	80.2	80.4	80.6	80.6	80.7	80.8	80.9	80.9	80.9
IV 3000		71.2	77.1	82.3	84.2	85.0	86.6	87.0	87.2	87.4	87.5	87.5	87.6	87.7	87.7	87.8
IV 2500		76.7	83.3	88.9	90.9	91.8	93.4	93.9	94.2	94.3	94.5	94.6	94.7	94.8	94.8	94.8
IV 2000		77.9	84.6	90.3	92.4	93.3	95.0	95.6	95.9	96.2	96.3	96.4	96.5	96.6	96.6	96.6
IV 1800		78.5	85.3	91.0	93.0	94.0	95.8	96.2	96.4	96.6	96.9	97.0	97.0	97.1	97.2	97.3
IV 1500		79.5	86.3	92.1	94.1	95.1	97.1	97.4	97.6	97.8	98.2	98.2	98.3	98.4	98.5	98.5
IV 1200		80.0	86.8	92.6	94.8	95.7	97.8	98.2	98.5	98.9	99.1	99.1	99.2	99.3	99.3	99.4
IV 1000		80.2	87.0	92.9	95.1	96.0	97.7	98.5	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.7
IV 900		80.2	87.0	92.9	95.1	96.1	97.8	98.5	98.9	99.4	99.5	99.5	99.6	99.7	99.7	99.8
IV 800		80.2	87.0	92.9	95.1	96.1	97.8	98.5	98.9	99.4	99.5	99.5	99.6	99.7	99.7	99.8
IV 700		80.2	87.0	92.9	95.1	96.1	97.8	98.5	98.9	99.4	99.5	99.5	99.6	99.7	99.7	99.8
IV 600		80.2	87.0	92.9	95.1	96.1	97.8	98.5	98.9	99.4	99.5	99.5	99.6	99.7	99.7	99.8
IV 500		80.2	87.0	92.9	95.1	96.1	97.8	98.6	98.9	99.4	99.5	99.5	99.6	99.6	99.6	99.6
IV 400		80.2	87.0	92.9	95.1	96.1	97.8	98.6	98.9	99.4	99.5	99.5	99.6	99.6	99.6	99.6
IV 300		80.2	87.0	92.9	95.1	96.1	97.8	98.6	98.9	99.4	99.5	99.5	99.6	99.6	99.6	99.6
IV 200		80.2	87.0	92.9	95.1	96.1	97.8	98.6	98.9	99.4	99.5	99.5	99.6	99.6	99.6	99.6
IV 100		80.2	87.0	92.9	95.1	96.1	97.8	98.6	98.9	99.4	99.5	99.5	99.6	99.6	99.6	99.6
IV 0		80.2	87.0	92.9	95.1	96.1	97.8	98.6	98.9	99.4	99.5	99.5	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 4205

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

5070
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1/2	≥1/2	≥0
NO CEILING		30.4	32.9	35.5	36.6	37.2	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000		41.0	44.1	47.3	48.7	49.5	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
IV 18000		41.0	44.1	47.3	48.7	49.5	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
IV 16000		41.0	44.1	47.3	48.7	49.5	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
IV 14000		41.1	44.2	47.5	48.8	49.6	50.1	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5
IV 12000		41.3	44.5	47.8	49.1	49.9	50.4	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8
IV 10000		43.8	47.1	50.5	51.9	52.7	53.2	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 9000		45.3	48.7	52.3	53.8	54.7	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
IV 8000		50.5	54.4	58.5	60.1	60.9	61.7	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 7000		53.4	57.6	61.8	63.6	64.5	65.2	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 6000		55.1	59.5	63.8	65.5	66.5	67.3	67.6	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 5000		57.6	62.2	66.6	68.4	69.3	70.3	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9
IV 4500		58.8	63.5	68.0	69.9	70.9	71.8	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4
IV 4000		62.6	67.4	72.1	74.2	75.3	76.2	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.1
IV 3500		65.6	71.8	75.7	77.9	79.0	79.9	80.3	80.5	80.7	80.7	80.8	80.8	80.8	80.9	80.9
IV 3000		72.0	77.6	83.2	83.6	85.8	87.7	88.1	88.3	88.6	88.6	88.6	88.7	88.8	88.8	88.8
IV 2500		76.3	82.1	88.2	90.7	91.9	92.9	93.3	93.5	93.8	93.8	93.8	93.9	93.9	94.0	94.0
IV 2000		78.3	84.1	90.3	92.9	94.1	95.1	95.5	95.7	96.0	96.0	96.1	96.1	96.2	96.2	96.3
IV 1800		79.0	84.8	90.9	93.6	94.8	95.8	96.2	96.4	96.7	96.7	96.8	96.8	96.9	96.9	96.9
IV 1500		80.0	85.9	92.1	94.9	96.0	97.0	97.5	97.8	98.0	98.1	98.2	98.2	98.3	98.3	98.3
IV 1200		80.6	86.6	92.9	95.7	96.9	98.0	98.5	98.7	99.1	99.1	99.2	99.3	99.3	99.4	99.4
IV 1000		80.6	86.6	93.0	95.8	97.0	98.1	98.6	98.9	99.2	99.2	99.3	99.4	99.5	99.5	99.5
IV 900		80.7	86.6	93.0	95.8	97.1	98.1	98.6	98.9	99.2	99.2	99.3	99.4	99.5	99.5	99.5
IV 800		80.8	86.7	93.1	95.9	97.2	98.2	98.7	99.0	99.3	99.4	99.5	99.5	99.6	99.6	99.7
IV 700		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.8
IV 600		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.8
IV 500		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.8
IV 400		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.8
IV 300		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.8
IV 200		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.8
IV 100		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.8
IV 0		80.8	86.8	93.2	96.0	97.3	98.3	98.8	99.1	99.4	99.5	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 4196

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

JUL

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	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING	28.7	31.2	33.7	34.8	35.5	36.1	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	35.5	39.6	42.4	43.6	44.4	45.1	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000	36.5	39.6	42.5	43.6	44.4	45.1	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 16000	36.5	39.6	42.5	43.6	44.4	45.1	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	36.6	39.7	42.5	43.7	44.5	45.2	45.4	45.5	45.6	45.7	45.7	45.7	45.7	45.8	45.8	45.8
≥ 12000	35.8	39.9	42.9	44.0	44.8	45.6	45.9	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.3
≥ 10000	39.6	43.0	46.2	47.4	48.2	49.0	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.8	49.8	49.8
≥ 9000	41.7	45.2	48.5	49.8	50.7	51.5	52.0	52.0	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4
≥ 8000	47.4	51.4	55.0	56.5	57.5	58.4	58.7	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.3
≥ 7000	50.0	54.1	57.9	59.5	60.5	61.5	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.4
≥ 6000	51.5	55.5	59.5	61.5	62.5	63.5	64.0	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4
≥ 5000	55.5	61.3	64.5	66.2	67.3	68.2	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.2
≥ 4500	57.9	62.8	67.0	68.9	69.9	70.8	71.3	71.4	71.6	71.7	71.7	71.7	71.7	71.8	71.8	71.8
≥ 4000	62.8	67.8	72.3	74.3	75.4	76.3	76.8	76.9	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3
≥ 3500	67.2	72.4	77.1	79.3	80.5	81.5	82.0	82.1	82.3	82.4	82.4	82.4	82.4	82.5	82.5	82.5
≥ 3000	74.2	79.7	84.7	87.1	88.4	89.5	90.1	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.6
≥ 2500	78.4	84.6	89.7	92.2	93.6	94.7	95.2	95.4	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.8
≥ 2000	79.1	85.4	90.5	93.1	94.4	95.6	96.2	96.3	96.5	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 1800	79.5	85.8	91.0	93.5	94.9	96.1	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2
≥ 1500	79.8	86.1	91.3	94.2	95.5	96.8	97.4	97.5	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0
≥ 1200	80.5	86.8	92.3	94.9	96.3	97.6	98.2	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
≥ 1000	80.6	87.1	92.6	95.4	96.8	98.1	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥ 900	80.6	87.1	92.6	95.4	96.8	98.1	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.3	99.3	99.4
≥ 800	80.7	87.2	92.8	95.5	96.9	98.2	98.9	99.1	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.7
≥ 700	80.7	87.2	92.8	95.5	97.0	98.3	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7
≥ 600	80.7	87.3	92.8	95.5	97.0	98.3	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.8
≥ 500	80.7	87.3	92.8	95.5	97.0	98.3	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.8
≥ 400	80.7	87.3	92.8	95.5	97.0	98.3	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9
≥ 300	80.7	87.3	92.8	95.5	97.0	98.3	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.9
≥ 200	80.7	87.3	92.8	95.5	97.0	98.3	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.8	100.0
≥ 100	80.7	87.3	92.8	95.5	97.0	98.3	99.0	99.1	99.5	99.5	99.6	99.6	99.6	99.7	99.8	100.0
≥ 0	80.7	87.3	92.8	95.6	97.0	98.3	99.0	99.2	99.5	99.6	99.6	99.6	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 4103

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZBACH (STATION NAME) SQUADRON AAF

60-70
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
EXCEPT

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		23.4	26.1	29.3	30.8	31.9	32.7	33.2	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.9
IV 20000		32.2	36.0	39.8	41.6	42.7	43.9	44.6	45.2	45.5	45.6	45.6	45.6	45.7	45.7	45.7
IV 18000		32.2	36.0	39.8	41.6	42.7	43.9	44.6	45.2	45.5	45.6	45.6	45.6	45.7	45.7	45.7
IV 16000		32.2	36.0	39.8	41.6	42.7	43.9	44.6	45.2	45.5	45.6	45.6	45.6	45.7	45.7	45.7
IV 14000		32.3	36.1	39.9	41.7	42.8	44.1	44.7	45.3	45.9	45.7	45.7	45.7	45.8	45.8	45.8
IV 12000		33.3	37.2	41.0	42.8	43.9	45.2	43.8	46.4	46.7	46.8	46.8	46.8	46.9	46.9	46.9
IV 10000		36.5	41.8	44.9	46.7	47.9	49.1	49.8	50.4	50.7	50.8	50.8	50.8	50.9	50.9	51.0
IV 9000		38.9	43.3	47.8	49.7	51.0	52.3	53.0	53.6	53.9	53.9	54.0	54.0	54.1	54.1	54.1
IV 8000		44.6	49.6	55.0	57.1	58.5	60.1	60.9	61.5	61.9	61.9	62.0	62.0	62.1	62.1	62.1
IV 7000		47.8	53.1	58.6	60.9	62.3	64.0	64.9	65.5	65.9	65.9	66.0	66.0	66.1	66.1	66.2
IV 6000		49.1	54.7	60.3	62.8	64.2	66.0	66.9	67.5	67.9	68.0	68.0	68.1	68.2	68.2	68.2
IV 5000		51.9	57.6	63.5	66.1	67.6	69.3	70.7	70.9	71.3	71.3	71.4	71.4	71.5	71.5	71.6
IV 4500		53.4	59.2	65.1	67.8	69.2	71.0	72.0	72.6	73.0	73.1	73.1	73.2	73.3	73.3	73.3
IV 4000		57.7	63.7	69.7	72.6	74.2	76.0	77.0	77.6	78.0	78.1	78.2	78.2	78.3	78.3	78.3
IV 3500		61.6	67.9	74.2	77.3	78.9	80.7	81.7	82.3	82.7	82.8	82.9	82.9	83.0	83.0	83.0
IV 3000		67.0	73.7	80.5	83.9	85.6	87.6	88.7	89.2	89.9	89.9	90.0	90.0	90.1	90.1	90.2
IV 2500		71.1	78.0	85.0	88.5	90.3	92.4	93.5	94.2	94.6	94.7	94.8	94.8	94.9	94.9	95.0
IV 2000		72.4	79.3	86.5	90.2	92.0	94.2	95.2	96.0	96.5	96.6	96.7	96.7	96.8	96.8	96.9
IV 1800		72.6	79.5	86.8	90.5	92.4	94.5	95.7	96.3	96.9	97.0	97.1	97.1	97.2	97.2	97.2
IV 1500		73.2	80.2	87.5	91.3	93.2	95.5	96.7	97.4	98.0	98.1	98.2	98.2	98.4	98.4	98.4
IV 1200		73.3	80.6	87.9	91.7	93.6	95.9	97.1	97.9	98.5	98.6	98.6	98.7	98.8	98.8	98.9
IV 1000		73.5	80.8	88.0	91.9	93.8	96.2	97.4	98.2	98.9	99.0	99.1	99.2	99.3	99.3	99.4
IV 900		73.6	80.7	88.0	91.9	93.8	96.2	97.5	98.3	99.0	99.0	99.2	99.3	99.4	99.4	99.5
IV 800		73.6	80.7	88.0	91.9	93.9	96.3	97.6	98.4	99.1	99.2	99.3	99.4	99.5	99.5	99.6
IV 700		73.6	80.7	88.0	92.0	93.9	96.4	97.7	98.5	99.2	99.3	99.5	99.5	99.7	99.7	99.7
IV 600		73.6	80.7	88.0	92.0	93.9	96.4	97.7	98.5	99.3	99.4	99.5	99.5	99.7	99.7	99.8
IV 500		73.6	80.7	88.0	92.0	93.9	96.4	97.7	98.5	99.3	99.4	99.5	99.5	99.7	99.7	99.8
IV 400		73.6	80.7	88.0	92.0	93.9	96.4	97.7	98.5	99.3	99.4	99.5	99.5	99.8	99.8	99.9
IV 300		72.6	80.7	88.0	92.0	93.9	96.4	97.7	98.5	99.3	99.4	99.5	99.5	99.8	99.8	99.9
IV 200		73.6	80.7	88.0	92.0	94.0	96.4	97.7	98.5	99.3	99.4	99.5	99.5	99.8	99.8	100.0
IV 100		73.6	80.7	88.0	92.0	94.0	96.4	97.7	98.5	99.3	99.4	99.5	99.5	99.8	99.8	100.0
IV 0		73.6	80.7	88.0	92.0	94.0	96.4	97.7	98.5	99.3	99.4	99.5	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 4208

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAAC

CEILING VERSUS VISIBILITY

26070
STATION

BAD KREUZNAAL GERMANY AAF
STATION NAME

60-70
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		21.3	23.8	27.6	30.0	32.0	34.4	35.8	36.3	37.5	38.0	38.1	38.2	38.4	38.5	38.7
≥ 20000		27.0	30.4	35.1	38.1	40.5	43.4	45.2	46.0	47.4	48.0	48.2	48.4	48.8	48.9	49.3
≥ 18000		27.0	30.4	35.1	38.1	40.5	43.4	45.2	46.0	47.4	48.0	48.2	48.4	48.8	48.9	49.3
≥ 16000		27.0	30.4	35.1	38.1	40.5	43.4	45.2	46.0	47.4	48.0	48.2	48.4	48.8	48.9	49.3
≥ 14000		27.0	30.5	35.2	38.2	40.6	43.5	45.3	46.1	47.5	48.1	48.3	48.5	48.9	49.0	49.4
≥ 12000		27.5	31.0	35.7	38.7	41.1	44.1	45.9	46.7	48.0	48.6	48.9	49.1	49.5	49.6	50.0
≥ 10000		28.6	32.7	37.5	40.6	43.1	46.3	48.0	49.0	50.3	51.0	51.2	51.4	51.6	51.9	52.3
≥ 9000		30.3	34.4	39.5	42.7	45.2	48.4	50.3	51.4	52.9	53.5	53.7	53.9	54.3	54.4	54.8
≥ 8000		34.3	38.6	44.4	48.0	50.7	54.1	56.2	57.3	58.9	59.6	59.8	60.0	60.4	60.5	60.9
≥ 7000		36.8	41.7	47.5	51.2	54.0	57.7	59.8	61.0	62.6	63.3	63.5	63.7	64.1	64.2	64.6
≥ 6000		38.2	43.2	49.0	52.8	55.7	59.5	61.6	62.8	64.5	65.1	65.4	65.6	66.0	66.0	66.5
≥ 5000		39.9	45.0	50.9	54.7	57.7	61.6	63.7	64.9	66.6	67.3	67.5	67.7	68.1	68.2	68.6
≥ 4500		41.3	46.5	52.6	56.4	59.4	63.3	65.4	66.7	68.5	69.1	69.3	69.5	69.9	70.0	70.4
≥ 4000		43.6	49.0	55.3	59.2	62.3	66.3	68.6	69.9	71.6	72.3	72.5	72.7	73.1	73.2	73.6
≥ 3500		46.8	52.2	59.0	63.3	66.4	70.6	72.9	74.3	76.0	76.7	76.9	77.1	77.5	77.6	78.0
≥ 3000		51.4	57.2	64.5	69.0	72.2	76.8	79.2	80.7	82.5	83.2	83.5	83.7	84.1	84.2	84.6
≥ 2500		54.5	60.6	68.2	72.8	76.3	81.3	83.8	85.6	87.4	88.3	88.6	88.8	89.2	89.3	89.7
≥ 2000		55.7	61.9	69.9	74.7	78.3	83.4	85.9	87.7	89.6	90.5	90.8	91.0	91.5	91.5	92.0
≥ 1800		56.0	62.3	70.3	75.1	78.8	83.9	86.5	88.2	90.1	91.1	91.4	91.6	92.0	92.1	92.6
≥ 1500		56.3	62.7	70.8	75.7	79.3	84.5	87.2	89.2	91.1	92.1	92.5	92.7	93.1	93.2	93.6
≥ 1200		56.6	63.1	71.2	76.1	79.8	85.0	87.9	89.9	91.8	92.8	93.1	93.4	93.9	94.0	94.4
≥ 1000		56.7	63.3	71.4	76.4	80.2	85.4	88.3	90.3	92.3	93.4	93.7	94.0	94.5	94.6	95.0
≥ 900		56.7	63.3	71.4	76.4	80.3	85.5	88.4	90.4	92.5	93.6	93.9	94.2	94.7	94.7	95.2
≥ 800		56.7	63.3	71.5	76.5	80.3	85.6	88.5	90.5	92.6	93.7	94.1	94.5	95.0	95.1	95.6
≥ 700		56.7	63.3	71.5	76.5	80.4	85.7	88.6	90.6	92.7	93.8	94.2	94.6	95.1	95.2	95.7
≥ 600		56.8	63.4	71.6	76.6	80.5	85.8	88.7	90.7	92.8	93.9	94.3	94.7	95.2	95.3	95.8
≥ 500		56.8	63.4	71.6	76.6	80.5	85.8	88.8	90.8	92.9	94.0	94.4	94.8	95.3	95.4	95.9
≥ 400		56.8	63.4	71.6	76.6	80.5	85.8	88.9	91.0	93.1	94.2	94.6	95.0	95.5	95.6	96.1
≥ 300		56.8	63.4	71.6	76.6	80.5	85.9	89.0	91.1	93.2	94.3	94.7	95.1	95.6	95.7	96.2
≥ 200		56.8	63.4	71.6	76.6	80.5	85.9	89.1	91.2	93.3	94.4	94.8	95.2	95.7	95.8	96.3
≥ 100		56.8	63.4	71.6	76.6	80.5	85.9	89.1	91.2	93.3	94.4	94.8	95.2	95.7	95.8	96.3
≥ 0		56.8	63.4	71.6	76.6	80.5	85.9	89.1	91.2	93.3	94.4	94.8	95.2	95.7	95.8	96.3

TOTAL NUMBER OF OBSERVATIONS 3925

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 3A070 BAD KREUZNACH GERMANY AAF STATION NAME

60-70 YEAR

DCI

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

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
NO CEILING		10.8	12.6	16.7	17.7	19.5	22.2	23.4	24.1	25.3	25.9	26.0	26.3	26.5	26.5	26.9
≥ 20000		14.9	17.1	21.9	23.1	25.3	28.5	30.0	30.9	32.4	33.2	33.5	33.8	34.4	34.4	35.3
IV 18000		14.9	17.1	21.9	23.1	25.3	28.5	30.0	30.9	32.4	33.2	33.5	33.8	34.4	34.4	35.3
IV 16000		14.9	17.1	21.9	23.1	25.3	28.5	30.0	30.9	32.4	33.2	33.5	33.8	34.4	34.4	35.3
IV 14000		14.9	17.1	21.9	23.1	25.3	28.5	30.0	30.9	32.4	33.2	33.5	33.8	34.4	34.4	35.3
IV 12000		15.0	17.2	22.1	23.3	25.4	28.7	30.1	31.1	32.5	33.4	33.6	34.0	34.6	34.6	35.5
IV 10000		17.3	19.7	24.7	25.9	28.1	31.4	32.9	33.9	35.4	36.3	36.6	37.0	37.5	37.0	38.5
IV 9000		19.0	21.6	27.0	28.4	30.6	34.1	35.6	36.7	38.3	39.1	39.4	39.8	40.4	40.5	41.3
IV 8000		21.8	24.9	30.9	32.5	35.0	38.6	40.3	41.4	43.2	44.1	44.5	44.9	45.6	45.6	46.5
IV 7000		24.2	27.5	33.8	35.6	38.3	42.2	44.1	45.3	47.1	48.2	48.6	49.0	49.7	49.7	50.7
IV 6000		24.7	28.0	34.5	36.3	39.1	43.0	44.9	46.2	48.1	49.2	49.6	50.1	50.7	50.8	51.8
IV 5000		25.3	29.9	36.8	38.7	41.6	45.7	47.8	49.1	51.0	52.2	52.6	53.1	53.8	53.8	54.8
IV 4500		27.4	31.1	38.1	40.2	43.0	47.2	49.3	50.6	52.6	53.7	54.1	54.6	55.4	55.4	56.4
IV 4000		29.0	32.9	40.2	42.4	45.4	49.6	51.8	53.2	55.2	56.4	56.9	57.4	58.2	58.2	59.2
IV 3500		31.2	35.4	43.0	45.4	48.5	52.8	55.0	56.4	58.4	59.6	60.1	60.7	61.4	61.4	62.5
IV 3000		34.5	39.2	47.4	50.2	53.3	58.1	60.7	62.3	64.4	65.7	66.3	66.9	67.7	67.7	68.8
IV 2500		38.2	43.2	51.7	55.0	58.6	63.6	66.4	68.2	70.4	71.8	72.3	73.0	73.8	73.8	74.9
IV 2000		39.7	44.8	54.0	57.5	61.1	66.5	69.4	71.3	73.6	75.0	75.6	76.3	77.1	77.1	78.2
IV 1800		40.3	45.5	54.7	58.2	61.9	67.4	70.3	72.3	74.6	76.0	76.6	77.3	78.1	78.1	79.2
IV 1500		40.9	46.4	55.8	59.4	63.3	69.1	72.2	74.3	77.1	78.6	79.2	79.9	80.7	80.7	81.9
IV 1200		41.7	47.3	56.7	60.6	64.8	71.1	74.4	76.5	79.4	80.9	81.6	82.3	83.1	83.1	84.3
IV 1000		41.9	47.6	57.0	60.9	65.2	72.0	75.4	77.7	80.9	82.5	83.2	83.9	84.8	84.8	86.0
IV 900		41.9	47.6	57.0	60.9	65.4	72.2	75.7	78.3	81.7	83.3	84.0	84.7	85.5	85.6	86.7
IV 800		42.0	47.6	57.1	61.0	65.5	72.3	75.9	78.5	82.5	84.2	84.9	85.6	86.5	86.5	87.7
IV 700		42.0	47.7	57.1	61.1	65.6	72.3	76.1	78.8	83.0	84.8	85.5	86.3	87.2	87.2	88.4
IV 600		42.0	47.7	57.1	61.1	65.7	72.7	76.3	79.1	83.4	85.4	86.2	87.0	87.9	87.9	89.1
IV 500		42.0	47.7	57.1	61.2	65.7	72.8	76.5	79.3	84.0	86.2	87.0	88.0	89.2	89.2	90.5
IV 400		42.0	47.7	57.1	61.2	65.8	72.8	76.5	79.3	84.1	86.4	87.4	88.7	90.2	90.2	91.7
IV 300		42.0	47.7	57.1	61.2	65.8	72.8	76.5	79.3	84.1	86.6	87.6	89.1	91.4	91.6	93.6
IV 200		42.0	47.7	57.1	61.2	65.8	72.8	76.5	79.3	84.2	86.6	87.7	89.2	91.8	92.1	95.4
IV 100		42.0	47.7	57.1	61.2	65.8	72.8	76.5	79.3	84.2	86.6	87.7	89.2	91.8	92.2	98.0
IV 0		42.0	47.7	57.1	61.2	65.8	72.8	76.5	79.3	84.2	86.6	87.7	89.2	91.8	92.2	100.0

TOTAL NUMBER OF OBSERVATIONS 4082

DATA PROCESSING DIVISION
 USAF ETAC
 AFR WEATHER SERVICE/YAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

5970

NOV

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	≥.9	≥.8	≥.75	≥.7	≥.6	
NO CEILING		9.4	9.6	11.5	12.3	12.8	14.3	14.7	15.2	15.7	16.0	16.0	16.2	16.3	16.4	16.4
IV 20000		11.5	13.6	16.2	17.7	18.5	20.4	21.0	21.5	22.2	22.6	22.9	23.2	23.5	23.5	23.8
IV 18000		11.5	13.6	16.2	17.7	18.5	20.4	21.0	21.5	22.2	22.6	22.9	23.2	23.5	23.5	23.8
IV 16000		11.5	13.6	16.2	17.7	18.5	20.4	21.0	21.5	22.2	22.6	22.9	23.2	23.5	23.5	23.8
IV 14000		11.6	13.7	16.3	17.8	18.6	20.5	21.1	21.7	22.4	22.7	23.0	23.3	23.6	23.6	24.0
IV 12000		11.7	13.8	16.4	17.9	18.7	20.6	21.3	21.8	22.5	22.9	23.2	23.4	23.8	23.8	24.1
IV 10000		12.7	14.9	17.6	19.3	20.1	22.1	22.7	23.3	24.0	24.4	24.7	25.0	25.4	25.4	25.7
IV 9000		13.7	16.0	19.1	20.9	21.7	23.8	24.5	25.1	25.9	26.2	26.5	26.8	27.2	27.2	27.6
IV 8000		16.0	18.6	22.1	24.1	25.2	27.5	28.4	29.2	30.1	30.5	30.8	31.1	31.6	31.6	31.9
IV 7000		17.1	20.2	24.2	26.7	27.8	30.5	31.5	32.5	33.4	33.9	34.2	34.6	35.1	35.2	35.5
IV 6000		17.8	21.0	25.2	27.7	29.0	31.9	33.0	34.0	35.1	35.6	35.9	36.3	36.8	36.9	37.2
IV 5000		18.7	22.4	26.7	29.4	30.8	34.1	35.3	36.3	37.4	37.9	38.3	38.7	39.2	39.2	39.5
IV 4500		19.8	23.5	28.1	31.0	32.4	35.8	37.0	38.1	39.2	39.7	40.0	40.4	41.0	41.0	41.3
IV 4000		21.4	25.5	30.8	33.9	35.6	39.0	40.2	41.4	42.5	43.1	43.5	44.0	44.6	44.7	45.1
IV 3500		23.7	28.1	33.7	37.1	38.9	42.6	44.0	45.2	46.5	47.1	47.6	48.2	48.9	48.9	49.3
IV 3000		27.8	33.4	40.1	44.0	46.2	50.3	51.9	53.4	55.2	55.9	56.4	57.2	57.9	58.0	58.5
IV 2500		33.2	40.1	48.4	53.0	55.7	60.4	62.5	64.2	66.2	67.0	67.7	68.6	69.4	69.5	69.9
IV 2000		35.1	42.4	51.5	56.3	59.2	64.3	66.6	68.4	70.6	71.5	72.2	73.2	74.0	74.0	74.5
IV 1800		35.5	42.9	52.1	57.0	59.9	65.2	67.5	69.3	71.5	72.4	73.1	74.1	74.9	75.0	75.4
IV 1500		36.5	44.5	54.5	59.7	62.7	68.6	71.3	73.3	75.7	76.9	77.7	78.8	79.6	79.6	80.2
IV 1200		37.3	45.7	55.9	61.6	65.1	71.8	75.2	77.2	79.9	81.1	81.9	83.0	83.9	83.9	84.5
IV 1000		37.6	46.1	56.5	62.4	66.2	73.2	76.9	79.3	82.5	83.8	84.6	85.9	86.8	86.9	87.6
IV 900		37.6	46.1	56.6	62.5	66.4	73.7	77.6	80.0	83.6	84.9	85.8	87.1	88.0	88.1	88.8
IV 800		37.6	46.1	56.6	62.6	66.5	73.9	77.9	80.5	84.5	85.9	86.9	88.2	89.2	89.3	90.0
IV 700		37.6	46.1	56.6	62.6	66.6	74.0	78.0	80.9	85.1	86.5	87.5	88.7	89.7	90.2	91.1
IV 600		37.6	46.1	56.6	62.6	66.7	74.3	78.3	81.3	85.6	87.0	88.0	89.2	90.2	91.3	91.4
IV 500		37.6	46.2	56.6	62.7	66.7	74.4	78.5	81.6	86.0	87.4	88.4	89.5	91.2	92.0	92.7
IV 400		37.6	46.2	56.6	62.7	66.8	74.5	78.6	81.7	86.1	87.5	88.5	89.7	91.6	93.1	93.2
IV 300		37.6	46.2	56.6	62.7	66.8	74.5	78.6	81.7	86.1	87.5	88.5	89.7	91.6	93.1	93.2
IV 200		37.6	46.2	56.6	62.7	66.8	74.5	78.6	81.7	86.1	87.5	88.5	89.7	91.6	93.1	93.2
IV 100		37.6	46.2	56.6	62.7	66.8	74.5	78.6	81.7	86.1	87.5	88.5	89.7	91.6	93.1	93.2
IV 0		37.6	46.2	56.6	62.7	66.8	74.5	78.6	81.7	86.1	87.5	88.5	89.7	91.6	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 3814

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

STATION 34070 BAD KREUZ-ACH, GERMANY AAF

DATE 59070

REG ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0
NO CEILING		6.5	6.6	11.7	12.7	12.9	14.2	15.0	15.4	16.1	16.5	16.7	16.9	17.0	17.0	17.1
IV 20000		8.7	11.2	14.7	15.9	16.1	17.8	18.9	19.6	20.5	21.0	21.2	21.5	21.8	21.8	22.0
IV 18000		8.7	11.2	14.7	15.9	16.1	17.8	18.9	19.6	20.5	21.0	21.2	21.5	21.8	21.8	22.0
IV 16000		8.7	11.2	14.7	15.9	16.1	17.8	18.9	19.6	20.5	21.0	21.2	21.5	21.8	21.8	22.0
IV 14000		8.7	11.2	14.7	15.9	16.1	17.8	19.0	19.6	20.5	21.0	21.3	21.6	21.8	21.8	22.0
IV 12000		8.9	11.2	14.9	16.0	16.3	18.0	19.1	19.2	20.7	21.1	21.4	21.7	21.9	21.9	22.1
IV 10000		9.2	11.8	15.4	16.6	16.7	18.6	19.8	20.5	21.5	22.0	22.4	22.7	22.9	22.9	23.2
IV 9000		9.7	12.2	16.2	17.5	17.7	19.6	21.0	21.8	22.8	23.4	23.8	24.2	24.6	24.6	24.9
IV 8000		11.5	14.3	18.5	20.0	20.5	23.0	24.8	25.7	26.9	27.6	28.0	28.5	28.8	28.8	29.1
IV 7000		12.6	15.5	20.0	21.6	22.2	24.9	26.8	27.7	29.0	29.7	30.1	30.6	30.9	30.9	31.3
IV 6000		12.9	15.9	20.5	22.2	22.8	25.6	27.5	28.5	29.8	30.5	31.0	31.4	31.8	31.8	32.1
IV 5000		13.9	17.2	22.3	24.3	25.2	28.2	30.4	31.5	32.9	33.7	34.2	34.6	35.0	35.0	35.3
IV 4500		14.8	18.3	23.7	25.9	26.8	29.9	32.1	33.2	34.9	35.5	35.9	36.4	36.7	36.7	37.0
IV 4000		16.2	20.0	25.7	27.9	28.8	32.2	34.5	35.7	37.2	38.1	38.6	39.1	39.4	39.4	39.7
IV 3500		17.9	22.2	28.5	31.0	32.0	35.5	38.0	39.3	40.9	42.0	42.6	42.9	43.3	43.3	43.6
IV 3000		21.3	26.1	33.3	36.1	37.3	41.7	44.5	46.0	47.8	49.1	49.6	50.1	50.4	50.4	50.8
IV 2500		27.5	33.3	42.5	46.3	47.8	53.5	57.3	59.0	61.4	62.8	63.4	64.0	64.4	64.4	64.8
IV 2000		30.2	36.4	46.4	50.6	52.4	58.7	63.1	65.0	68.0	69.6	69.6	70.2	70.9	71.3	71.6
IV 1800		30.6	36.9	47.2	51.5	53.3	59.7	64.0	66.0	69.0	70.6	71.2	71.9	72.3	72.3	72.7
IV 1500		32.3	39.2	49.9	54.6	56.8	63.9	68.3	70.7	73.9	75.7	76.4	77.1	77.6	77.6	78.0
IV 1200		33.9	41.4	52.7	58.1	60.5	68.5	73.4	75.8	79.5	81.5	82.2	82.9	83.5	83.5	83.8
IV 1000		34.5	42.3	53.8	59.3	61.8	70.1	75.4	78.1	82.4	84.8	85.6	86.6	87.1	87.2	87.6
IV 900		34.8	42.7	54.2	59.8	62.2	70.7	76.0	78.8	83.2	85.8	86.6	87.7	88.3	88.3	88.8
IV 800		34.9	42.8	54.4	60.0	62.5	71.1	76.7	79.5	84.1	87.0	87.8	88.9	89.5	89.5	90.1
IV 700		34.9	42.9	54.4	60.1	62.5	71.2	77.1	80.0	85.0	88.1	89.1	90.3	90.9	91.0	91.5
IV 600		34.9	42.9	54.4	60.1	62.5	71.3	77.3	80.3	85.5	88.6	89.7	90.9	91.6	91.6	92.2
IV 500		34.9	42.9	54.4	60.1	62.6	71.5	77.7	80.8	86.3	89.6	91.0	92.2	93.2	93.2	94.0
IV 400		34.9	42.9	54.4	60.1	62.6	71.5	77.8	81.1	86.7	90.4	91.7	93.1	94.3	94.3	95.6
IV 300		34.9	42.9	54.4	60.1	62.6	71.5	78.0	81.3	87.1	90.9	92.5	93.9	95.5	95.6	97.1
IV 200		34.9	42.9	54.4	60.1	62.6	71.5	78.0	81.4	87.4	91.2	92.8	94.2	95.9	96.0	98.1
IV 100		34.9	42.9	54.4	60.1	62.6	71.5	78.0	81.4	87.4	91.2	92.8	94.2	95.9	96.1	99.0
IV 0		34.9	42.9	54.4	60.1	62.6	71.5	78.0	81.4	87.4	91.2	92.8	94.2	96.0	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 3779

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

62-65

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

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		9.1	14.1	23.2	25.3	25.3	27.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 7000		9.1	14.1	23.2	25.3	25.3	27.3	28.3	28.3	29.3	29.3	29.3	29.3	29.3	30.3	30.3
≥ 1800		9.1	14.1	23.2	25.3	25.3	27.3	28.3	28.3	29.3	29.3	29.3	29.3	30.3	30.3	31.3
≥ 1600		9.1	14.1	23.2	25.3	25.3	27.3	28.3	28.3	29.3	29.3	29.3	29.3	30.3	30.3	31.3
≥ 1400		9.1	14.1	23.2	25.3	25.3	27.3	28.3	28.3	29.3	29.3	29.3	29.3	30.3	30.3	31.3
≥ 1200		9.1	14.1	23.2	25.3	25.3	27.3	28.3	28.3	29.3	29.3	29.3	29.3	30.3	30.3	31.3
≥ 1000		9.1	14.1	23.2	25.3	25.3	27.3	28.3	28.3	29.3	29.3	29.3	29.3	30.3	30.3	31.3
≥ 900		10.1	15.2	25.3	27.3	27.3	29.3	30.3	30.3	31.3	31.3	31.3	31.3	32.3	32.3	33.3
≥ 800		12.1	17.2	27.3	29.3	29.3	31.3	32.3	32.3	33.3	33.3	33.3	33.3	34.3	34.3	35.4
≥ 700		16.2	21.2	31.3	33.3	33.3	35.4	36.4	36.4	37.4	37.4	37.4	37.4	38.4	38.4	39.4
≥ 600		16.2	21.2	31.3	33.3	33.3	35.4	36.4	36.4	37.4	37.4	37.4	37.4	38.4	38.4	39.4
≥ 500		16.2	21.2	31.3	33.3	33.3	35.4	36.4	36.4	37.4	37.4	37.4	37.4	38.4	38.4	39.4
≥ 450		20.2	25.3	37.4	39.4	39.4	42.4	44.4	44.4	46.5	46.5	46.5	46.5	47.5	47.5	48.5
≥ 400		20.2	25.3	37.4	39.4	39.4	42.4	44.4	44.4	46.5	46.5	46.5	46.5	47.5	47.5	48.5
≥ 3500		21.2	26.3	39.4	41.4	41.4	44.4	46.5	46.5	49.5	49.5	49.5	49.5	50.5	50.5	51.5
≥ 3000		27.3	34.3	49.5	51.5	52.5	56.6	58.6	58.6	61.6	61.6	61.6	61.6	62.6	62.6	63.6
≥ 2500		31.3	38.4	56.6	59.6	60.6	65.7	67.7	67.7	70.7	70.7	70.7	70.7	71.7	71.7	72.7
≥ 2000		32.3	39.4	57.6	60.6	61.6	66.7	70.7	70.7	73.7	73.7	73.7	73.7	74.7	74.7	75.8
≥ 1800		32.3	39.4	57.6	60.6	61.6	66.7	70.7	70.7	73.7	73.7	73.7	73.7	74.7	74.7	75.8
≥ 1500		32.3	39.4	60.6	65.7	66.7	74.7	76.8	77.8	83.8	84.8	84.8	84.8	85.9	85.9	86.9
≥ 1200		32.3	39.4	60.6	65.7	66.7	75.8	77.8	78.8	84.8	85.9	85.9	85.9	86.9	86.9	87.9
≥ 1000		32.3	39.4	60.6	65.7	66.7	76.8	78.8	80.8	87.9	88.9	88.9	88.9	89.9	89.9	90.9
≥ 700		32.3	39.4	61.6	66.7	67.7	77.8	79.8	81.8	88.9	89.9	89.9	89.9	90.9	90.9	91.9
≥ 800		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	91.9	91.9	91.9	92.9	92.9	93.9
≥ 700		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	92.9	92.9	93.9	93.9	94.9
≥ 600		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	92.9	92.9	93.9	93.9	94.9
≥ 500		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	92.9	92.9	93.9	93.9	94.9
≥ 400		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	92.9	92.9	93.9	93.9	94.9
≥ 300		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	93.9	94.9	97.0	97.0	98.0
≥ 200		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	93.9	94.9	97.0	97.0	98.0
≥ 100		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	93.9	94.9	98.0	98.0	100.0
≥ 0		32.3	39.4	61.6	66.7	67.7	77.8	80.8	82.8	89.9	92.9	93.9	94.9	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATION. 99

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME

60-70 YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.4	≥0.3	≥0.2	
NO CEILING		5.3	8.8	12.8	13.8	14.5	17.3	18.5	19.9	20.0	20.6	20.6	20.6	20.9	20.9	20.9
≥ 2000		5.9	9.6	13.6	14.6	15.5	18.5	20.1	21.5	22.5	23.1	23.3	23.3	23.5	23.5	23.6
IV 18000		5.9	9.6	13.6	14.6	15.5	18.5	20.1	21.5	22.5	23.1	23.3	23.3	23.5	23.5	23.6
IV 16000		5.9	9.6	13.6	14.6	15.5	18.5	20.1	21.5	22.5	23.1	23.3	23.3	23.5	23.5	23.6
IV 14000		5.9	9.6	13.6	14.6	15.5	18.5	20.1	21.5	22.5	23.1	23.3	23.3	23.5	23.5	23.6
IV 12000		5.9	9.6	13.6	14.6	15.5	18.5	20.1	21.5	22.5	23.1	23.3	23.3	23.5	23.5	23.6
IV 10000		5.9	9.6	13.6	14.6	15.5	18.5	20.1	21.5	22.5	23.1	23.3	23.3	23.5	23.5	23.6
IV 9000		7.1	10.9	15.1	16.1	17.0	20.3	22.0	23.4	24.4	25.0	25.3	25.3	25.5	25.5	25.6
IV 8000		3.4	12.6	17.3	18.6	19.8	23.1	24.9	26.3	27.4	28.0	28.3	28.3	28.5	28.5	28.6
IV 7000		10.1	14.5	19.3	21.4	22.8	26.8	29.0	30.4	31.5	32.1	32.4	32.4	32.6	32.6	32.8
IV 6000		10.3	14.6	20.0	21.6	23.0	27.0	29.2	30.6	31.8	32.4	32.6	32.6	32.9	32.9	33.0
IV 5000		11.3	15.6	21.5	23.3	24.6	28.9	31.6	33.1	34.3	34.9	35.1	35.3	35.5	35.5	35.6
IV 4500		12.6	17.4	24.0	25.9	27.3	31.6	34.4	35.9	37.0	37.6	37.9	38.0	38.3	38.3	38.4
IV 4000		13.1	18.3	26.0	28.0	29.4	33.9	36.8	38.3	39.8	40.4	40.6	40.8	41.0	41.0	41.1
IV 3500		14.3	20.1	27.6	29.6	31.3	35.9	39.1	40.6	42.2	42.8	43.0	43.1	43.4	43.4	43.5
IV 3000		17.4	24.9	33.9	35.9	37.9	42.8	46.1	47.6	49.4	50.0	50.3	50.4	51.1	51.1	51.3
IV 2500		20.8	29.6	40.9	43.4	46.0	51.6	55.5	57.4	59.4	60.1	60.3	61.3	61.9	61.9	62.0
IV 2000		23.1	33.0	44.6	47.5	50.4	57.8	62.3	64.4	66.5	67.3	67.6	68.4	69.0	69.0	69.1
IV 1800		23.5	33.5	45.5	49.0	51.9	60.0	64.5	66.8	69.0	70.1	70.5	71.3	71.9	71.9	72.0
IV 1500		24.0	34.3	47.5	51.5	54.5	64.4	69.6	72.1	75.0	75.9	76.2	77.0	77.8	77.8	77.9
IV 1200		24.0	34.4	47.8	51.8	54.9	65.6	71.4	74.1	78.0	79.4	79.8	80.5	81.3	81.3	81.4
IV 1000		24.1	34.6	48.1	52.1	55.3	66.4	72.5	75.9	80.4	82.0	82.5	83.4	84.4	84.4	84.6
IV 900		24.1	34.6	48.4	52.5	55.6	66.9	73.1	76.8	81.3	83.0	83.5	84.4	85.4	85.5	85.6
IV 800		24.1	34.6	48.4	52.5	55.6	67.1	73.4	77.0	81.6	83.3	84.0	84.9	85.9	86.0	86.1
IV 700		24.1	34.6	48.4	52.5	55.6	67.3	74.1	77.8	82.4	84.1	84.8	85.8	86.8	86.8	86.9
IV 600		24.1	34.6	48.4	52.5	55.6	67.5	74.3	77.9	82.4	84.2	84.9	85.9	86.9	87.0	87.1
IV 500		24.1	34.6	48.4	52.5	55.6	67.5	74.3	77.9	82.4	84.2	84.9	85.9	86.9	87.0	87.1
IV 400		24.1	34.6	48.4	52.5	55.6	67.5	74.3	77.9	82.4	84.2	84.9	85.9	86.9	87.0	87.1
IV 300		24.1	34.6	48.4	52.5	55.6	67.5	74.3	77.9	82.4	84.2	84.9	85.9	86.9	87.0	87.1
IV 200		24.1	34.6	48.4	52.5	55.6	67.5	74.3	77.9	82.4	84.2	84.9	85.9	86.9	87.0	87.1
IV 100		24.1	34.6	48.4	52.5	55.6	67.5	74.3	77.9	82.4	84.2	84.9	85.9	86.9	87.0	87.1
IV 0		24.1	34.6	48.4	52.5	55.6	67.5	74.3	77.9	82.4	84.2	84.9	85.9	86.9	87.0	87.1

TOTAL NUMBER OF OBSERVATIONS 900

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/1AC

CEILING VERSUS VISIBILITY

36070 BAD KREUZNACH GERMANY AAF

60-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

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	≥0.025	≥0
NO CEILING		3.3	5.3	7.1	8.2	9.8	10.4	11.3	11.4	12.2	13.0	13.5	13.9	14.0	14.0	14.0
≥20000		4.7	7.2	9.4	10.8	11.4	13.8	15.2	15.4	16.4	17.6	18.2	18.5	18.8	18.8	19.0
≥18000		4.7	7.2	9.4	10.8	11.4	13.8	15.2	15.4	16.4	17.6	18.2	18.5	18.8	18.8	19.0
≥16000		4.7	7.2	9.4	10.8	11.4	13.8	15.2	15.4	16.4	17.6	18.2	18.5	18.8	18.8	19.0
≥14000		4.7	7.2	9.4	10.8	11.4	13.8	15.2	15.4	16.4	17.6	18.2	18.5	18.8	18.8	19.0
≥12000		4.7	7.2	9.4	10.8	11.4	13.8	15.2	15.4	16.4	17.6	18.2	18.5	18.8	18.8	19.0
≥10000		5.1	7.8	10.0	11.5	12.2	14.8	16.2	16.4	17.4	18.8	19.2	19.5	19.8	19.8	20.0
≥9000		5.5	8.2	10.5	12.1	12.8	15.5	17.2	17.4	18.5	20.0	20.3	20.9	21.1	21.1	21.3
≥8000		8.2	11.3	13.9	15.8	15.8	20.0	22.1	22.4	23.8	25.2	25.7	26.1	26.3	26.3	26.5
≥7000		9.3	12.4	15.2	17.3	18.3	22.0	24.4	24.9	26.4	28.0	28.6	29.2	29.4	29.4	29.6
≥6000		13.1	13.2	16.1	18.4	19.4	23.2	25.6	26.1	27.6	29.3	30.0	30.5	30.7	30.7	31.0
≥5000		11.0	14.3	17.8	20.2	21.2	25.0	27.5	28.1	29.7	31.4	32.1	32.6	33.0	33.0	33.2
≥4500		12.2	15.9	19.6	22.4	23.4	27.4	30.0	30.6	32.3	34.0	34.6	35.2	35.5	35.5	35.7
≥4000		14.4	19.1	23.3	26.3	27.3	31.5	34.2	34.9	36.6	38.4	39.1	39.6	40.0	40.0	40.2
≥3500		16.3	21.4	26.0	29.4	30.5	35.2	38.0	38.6	40.4	42.2	42.8	43.4	43.7	43.7	44.0
≥3000		20.5	26.6	32.3	36.2	37.4	42.7	45.8	46.5	48.6	50.4	51.1	51.9	52.5	52.5	52.7
≥2500		25.5	32.5	40.2	44.8	46.5	52.8	56.3	57.3	60.2	62.3	63.2	64.2	64.7	64.7	64.9
≥2000		26.6	33.6	41.7	46.8	48.8	55.6	59.6	60.9	64.2	66.5	67.4	68.4	68.9	68.9	69.1
≥1800		27.5	34.7	43.1	48.2	50.6	57.7	61.7	63.0	66.4	68.8	69.7	70.7	71.3	71.3	71.5
≥1500		23.4	35.7	45.0	50.8	53.2	60.9	65.4	66.7	70.4	73.0	74.0	75.0	75.9	75.9	76.4
≥1200		29.6	37.1	46.5	52.3	54.9	62.9	67.8	69.8	73.6	76.2	77.5	78.5	79.4	79.4	79.8
≥1000		30.0	37.4	46.8	52.7	55.5	64.4	69.6	71.9	76.5	79.1	80.4	81.5	82.5	82.5	83.0
≥900		30.0	37.4	46.8	52.8	55.6	64.5	69.9	72.3	76.8	79.5	81.2	82.4	83.4	83.4	83.9
≥800		30.0	37.4	46.8	52.9	55.8	64.7	70.7	73.0	77.8	81.1	82.5	83.6	84.7	84.7	85.2
≥700		30.0	37.4	46.8	52.9	55.8	64.7	70.9	73.6	78.5	82.6	84.1	85.5	86.6	86.8	87.3
≥600		30.0	37.4	46.8	52.9	55.8	64.7	71.0	73.7	78.9	83.0	84.7	86.3	87.9	88.1	88.7
≥500		30.0	37.4	46.8	52.9	55.8	64.7	71.0	73.7	78.9	83.5	85.5	87.9	89.9	90.2	91.1
≥400		30.0	37.4	46.8	52.9	55.8	64.7	71.0	73.7	78.9	83.5	85.5	88.2	90.9	91.7	92.2
≥300		30.0	37.4	46.8	52.9	55.8	64.7	71.0	73.7	78.9	83.5	85.5	88.3	91.7	92.5	94.2
≥200		30.0	37.4	46.8	52.9	55.8	64.7	71.0	73.7	79.4	84.4	86.3	88.8	92.1	93.0	96.1
≥100		30.0	37.4	46.8	52.9	55.8	64.7	71.0	73.7	79.4	84.5	86.5	89.0	92.3	93.3	98.6
0		30.0	37.4	46.8	52.9	55.8	64.7	71.0	73.7	79.4	84.5	86.5	89.0	92.3	93.3	100.0

TOTAL NUMBER OF OBSERVATIONS 901

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AFSC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GER. MIL. AAF

60-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1		
NO CEILING		5.4	6.0	9.3	10.0	11.2	13.1	13.9	14.7	15.3	16.0	16.1	16.3	16.3	16.3
> 20000	7.9	9.5	12.3	13.2	14.7	17.1	18.1	19.1	20.1	20.6	20.7	21.1	21.1	21.1	21.2
IV 18000	7.9	9.5	12.3	13.2	14.7	17.1	18.1	19.1	20.1	20.6	20.7	21.1	21.1	21.1	21.2
IV 16000	7.9	9.5	12.3	13.2	14.7	17.1	18.1	19.1	20.1	20.6	20.7	21.1	21.1	21.1	21.2
IV 14000	7.9	9.5	12.3	13.2	14.7	17.1	18.1	19.1	20.1	20.6	20.7	21.1	21.1	21.1	21.2
IV 12000	7.9	9.5	12.3	13.2	14.7	17.1	18.1	19.1	20.1	20.6	20.7	21.1	21.1	21.1	21.2
IV 10000	8.3	10.3	13.2	14.4	16.1	18.5	19.4	20.5	21.9	22.3	22.5	22.8	22.8	22.8	22.9
IV 9000	9.4	11.5	14.6	15.9	17.8	20.0	21.1	22.1	23.5	24.0	24.1	24.4	24.4	24.4	24.5
IV 8000	11.1	13.8	17.0	18.6	20.6	23.4	24.4	25.7	27.4	27.9	28.0	28.4	28.4	28.4	28.5
IV 7000	13.0	15.7	19.1	20.8	23.3	26.5	27.7	29.1	31.1	31.6	31.7	32.1	32.1	32.1	32.2
IV 6000	13.7	16.4	19.9	21.6	24.1	27.3	28.5	29.9	31.9	32.4	32.5	32.9	32.9	32.9	33.0
IV 5000	14.7	17.7	21.8	23.7	26.2	29.5	31.0	32.4	34.5	35.0	35.1	35.4	35.4	35.4	35.5
IV 4500	16.0	19.0	23.6	25.6	28.0	31.6	33.1	34.5	36.6	37.0	37.2	37.5	37.5	37.5	37.6
IV 4000	18.3	21.4	26.7	29.1	31.5	35.1	36.7	38.1	40.3	41.0	41.1	41.4	41.4	41.4	41.6
IV 3500	21.3	25.1	30.8	33.7	36.2	39.8	41.4	42.8	45.1	45.8	45.9	46.3	46.3	46.3	46.4
IV 3000	25.7	30.2	36.6	39.6	42.1	46.6	48.5	50.1	53.0	53.7	53.8	54.2	54.2	54.2	54.4
IV 2500	30.7	36.1	44.4	48.1	51.0	56.4	58.3	60.3	64.1	65.3	65.5	66.1	66.3	66.3	66.6
IV 2000	32.5	38.2	46.9	50.8	53.8	59.4	61.8	63.8	67.9	69.1	69.3	70.0	70.4	70.4	70.6
IV 1800	33.4	39.4	48.1	52.1	55.3	60.9	63.4	65.5	69.7	70.9	71.2	71.9	72.2	72.2	72.5
IV 1500	34.5	40.9	50.1	54.2	57.6	64.0	66.8	69.1	73.4	74.8	75.0	75.7	76.2	76.2	76.4
IV 1200	36.1	42.8	52.3	56.5	60.5	67.2	70.5	73.0	77.7	79.3	79.5	80.2	80.8	80.8	81.0
IV 1000	36.5	43.2	52.7	56.9	61.2	69.0	72.9	76.0	81.4	83.4	84.5	85.2	85.9	85.9	86.2
IV 900	36.6	43.4	52.9	57.4	61.8	69.8	73.7	77.1	82.4	84.7	85.8	86.5	87.2	87.2	87.5
IV 800	36.6	43.4	53.1	57.6	62.2	70.3	74.8	78.1	84.1	86.7	87.7	88.7	89.4	89.4	89.7
IV 700	36.6	43.4	53.1	57.6	62.2	70.4	74.9	78.6	85.0	87.5	88.7	89.7	90.4	90.4	90.7
IV 600	36.6	43.4	53.1	57.6	62.2	70.4	75.1	78.9	85.4	88.2	89.4	90.4	91.2	91.2	91.7
IV 500	36.6	43.4	53.1	57.6	62.2	70.4	75.1	78.9	85.5	88.7	90.2	91.4	93.1	93.1	93.8
IV 400	36.6	43.4	53.1	57.6	62.2	70.4	75.1	78.9	85.5	88.9	90.3	91.6	93.8	93.9	94.8
IV 300	36.6	43.4	53.1	57.6	62.2	70.4	75.1	78.9	85.6	89.2	90.7	92.4	94.8	95.0	96.4
IV 200	36.6	43.4	53.1	57.6	62.2	70.4	75.1	78.9	85.8	89.4	90.9	92.5	95.1	95.6	97.6
IV 100	36.6	43.4	53.1	57.6	62.2	70.4	75.1	78.9	85.8	89.4	90.9	92.5	95.2	95.8	99.4
IV 0	36.6	43.4	53.1	57.6	62.2	70.4	75.1	78.9	85.8	89.4	90.9	92.5	95.3	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 864

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH, GERMANY AAF

60-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0	≥0	≥0	≥0	≥0
NO CEILING		7.4	9.9	12.3	13.3	14.7	16.6	17.6	17.6	18.4	18.4	18.4	18.4	18.4	18.4
≥ 20000		9.6	12.6	15.5	16.9	18.4	20.5	21.8	22.0	22.8	22.9	23.0	23.0	23.1	23.1
≥ 18000		9.6	12.6	15.5	16.9	18.4	20.5	21.8	22.0	22.8	22.9	23.0	23.0	23.1	23.1
≥ 16000		9.6	12.6	15.5	16.9	18.4	20.5	21.8	22.0	22.8	22.9	23.0	23.0	23.1	23.1
≥ 14000		9.6	12.6	15.5	16.9	18.4	20.5	21.8	22.0	22.8	22.9	23.0	23.0	23.1	23.1
≥ 12000		9.7	12.7	15.6	17.1	18.6	20.8	22.0	22.3	23.0	23.1	23.3	23.3	23.4	23.5
≥ 10000		9.7	13.0	15.8	17.4	18.9	21.0	22.3	22.5	23.5	23.8	23.9	24.0	24.2	24.4
≥ 9000		10.4	13.7	16.6	18.4	19.9	22.0	23.4	23.8	25.0	25.3	25.4	25.5	25.7	25.9
≥ 8000		12.6	16.1	19.4	21.1	22.9	25.0	26.4	26.8	28.2	28.7	28.8	28.9	29.1	29.3
≥ 7000		14.6	18.2	21.5	23.3	25.2	27.5	29.2	29.6	31.3	31.8	31.9	32.1	32.2	32.5
≥ 6000		15.7	19.9	23.3	25.0	27.0	29.6	31.2	31.6	33.3	33.8	34.0	34.1	34.2	34.5
≥ 5000		16.6	21.1	24.7	26.5	28.6	31.1	32.8	33.2	35.3	35.8	36.0	36.1	36.2	36.5
≥ 4500		17.4	22.0	26.0	28.6	30.6	33.1	34.8	35.2	37.4	37.9	38.0	38.1	38.2	38.5
≥ 4000		20.0	24.8	29.2	32.6	34.7	37.2	39.1	39.5	41.6	42.1	42.3	42.5	42.6	42.9
≥ 3500		22.5	27.9	33.0	35.4	38.6	41.5	43.4	43.8	46.0	46.7	46.8	47.2	47.4	47.8
≥ 3000		25.8	33.1	38.4	42.3	44.9	48.2	50.6	51.2	54.0	54.7	55.0	55.3	55.6	56.0
≥ 2500		31.2	38.1	45.4	49.8	53.0	56.7	59.5	60.5	63.3	64.5	64.8	65.7	65.9	66.3
≥ 2000		32.8	40.3	48.1	53.1	56.2	61.3	64.2	65.3	69.4	70.4	70.7	71.7	72.1	72.5
≥ 1600		33.5	40.9	48.9	54.1	57.5	62.5	65.8	66.9	71.1	72.1	72.3	73.3	73.7	74.1
≥ 1500		34.3	41.8	50.4	56.0	59.4	64.8	68.4	69.7	74.0	75.1	75.3	76.9	77.2	77.6
≥ 1200		35.3	43.1	51.9	58.0	61.8	68.3	72.3	74.0	79.0	80.3	81.0	82.0	82.8	83.1
≥ 1000		35.7	43.8	52.8	59.5	63.9	70.9	75.2	77.4	83.5	85.0	86.0	87.2	87.9	88.3
≥ 900		35.7	43.8	52.8	59.5	63.9	70.9	75.2	77.7	83.9	85.4	86.4	87.5	88.3	88.7
≥ 800		36.0	44.0	53.1	59.7	64.3	71.3	76.4	78.7	85.5	87.2	88.3	89.6	90.6	90.7
≥ 700		36.0	44.0	53.1	59.7	64.3	71.3	76.4	78.7	85.8	87.8	89.1	90.6	91.3	91.7
≥ 600		36.0	44.0	53.1	59.7	64.3	71.3	76.4	78.7	85.8	87.8	89.1	90.6	91.3	91.7
≥ 500		36.1	44.2	53.2	59.9	64.4	71.4	76.5	78.9	86.0	88.3	90.1	91.9	93.1	94.2
≥ 400		36.1	44.2	53.2	59.9	64.4	71.4	76.5	78.9	86.4	88.9	90.8	93.0	94.3	95.5
≥ 300		36.1	44.2	53.2	59.9	64.4	71.4	76.5	78.9	86.5	89.1	90.9	93.5	95.0	96.9
≥ 200		36.1	44.2	53.2	59.9	64.4	71.4	76.5	78.9	86.5	89.1	90.9	93.5	95.1	97.6
≥ 100		36.1	44.2	53.2	59.9	64.4	71.4	76.5	78.9	86.5	89.1	90.9	93.6	95.5	99.0
≥ 0		36.1	44.2	53.2	59.9	64.4	71.4	76.5	78.9	86.5	89.1	90.9	93.6	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 795

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

24070
STATION

BAD KREUZNACH GERARDY AAF

62-65,67,69-70

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥0	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0	≥0
NO CEILING		5.3	9.2	10.3	11.5	12.1	14.4	14.9	15.5	15.5	15.5	15.5	16.1	16.7	16.7	16.7
≥ 20000		5.9	9.8	10.9	12.6	13.8	16.7	17.2	17.8	17.8	17.8	17.8	18.4	19.0	19.0	19.0
≥ 18000		5.9	9.8	10.9	12.6	13.8	16.7	17.2	17.8	17.8	17.8	17.8	18.4	19.0	19.0	19.0
≥ 16000		6.9	9.8	10.9	12.6	13.8	16.7	17.2	17.8	17.8	17.8	17.8	18.4	19.0	19.0	19.0
≥ 14000		6.9	9.8	10.9	12.6	13.8	16.7	17.2	17.8	17.8	17.8	17.8	18.4	19.0	19.0	19.0
≥ 12000		6.9	9.8	10.9	12.6	13.8	16.7	17.2	17.8	17.8	17.8	17.8	18.4	19.0	19.0	19.0
≥ 10000		6.9	11.3	11.5	13.2	14.4	17.2	17.8	18.4	18.4	19.0	19.0	19.8	20.1	20.1	20.1
≥ 9000		7.5	11.9	12.1	14.4	15.5	19.0	20.7	21.3	21.3	21.8	21.8	22.4	23.0	23.0	23.0
≥ 8000		10.3	14.4	16.1	18.4	19.5	23.0	24.7	25.9	25.9	26.4	26.4	27.0	27.6	27.6	27.6
≥ 7000		10.3	14.9	16.7	19.0	20.1	25.3	27.0	28.2	28.2	28.7	28.7	29.3	29.9	29.9	29.9
≥ 6000		10.9	16.1	17.8	20.1	21.3	26.4	28.2	29.3	29.3	29.9	29.9	30.5	31.0	31.0	31.0
≥ 5000		10.9	16.7	18.4	21.3	22.4	27.6	29.3	30.5	31.0	31.6	31.6	32.2	32.8	32.8	32.8
≥ 4500		12.1	18.4	20.1	23.0	24.1	30.5	32.2	33.3	33.9	34.5	34.5	35.1	35.6	35.6	35.6
≥ 4000		13.8	21.3	23.6	26.4	27.6	34.5	36.2	37.6	37.9	38.5	38.5	39.1	39.7	39.7	39.7
≥ 3500		15.5	23.0	25.9	28.7	29.9	37.4	39.1	40.2	41.4	42.0	42.7	43.3	43.9	43.9	43.9
≥ 3000		21.3	29.9	33.3	36.8	39.1	46.6	48.9	50.6	52.3	53.4	53.4	54.0	54.6	54.6	54.6
≥ 2700		22.4	32.2	37.4	40.8	43.1	51.7	54.6	55.3	58.6	59.8	59.8	60.9	62.1	62.1	62.1
≥ 2000		23.0	35.1	41.4	44.8	47.1	57.5	61.5	63.2	67.2	69.4	68.4	69.5	70.7	70.7	70.7
≥ 1800		23.6	35.6	42.0	46.0	48.3	58.6	63.2	64.9	69.0	70.1	70.1	71.3	72.4	72.4	72.4
≥ 1500		25.3	37.4	43.7	48.3	51.1	62.1	66.7	68.4	73.0	74.7	74.7	76.4	77.6	77.6	77.6
≥ 1200		25.3	37.4	43.7	48.3	52.3	64.4	69.5	71.3	76.4	79.3	79.3	81.0	82.8	82.8	82.8
≥ 1000		25.9	37.9	44.3	49.4	53.4	66.7	73.6	75.2	82.2	83.6	83.6	85.6	87.4	89.1	89.1
≥ 900		25.9	37.9	44.3	49.4	53.4	66.7	73.6	75.3	82.2	83.6	83.6	85.6	87.4	89.1	89.1
≥ 800		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	83.9	87.9	87.9	89.7	91.4	91.4	91.4
≥ 700		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	88.5	88.5	90.2	92.0	92.0	92.0
≥ 600		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	88.5	88.5	90.2	92.0	92.0	92.0
≥ 500		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	89.1	89.1	90.8	92.5	92.5	92.5
≥ 400		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	89.1	89.1	91.4	93.1	93.1	93.1
≥ 300		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	89.1	89.7	92.0	94.3	94.3	94.8
≥ 200		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	89.1	89.7	92.0	94.3	94.8	95.4
≥ 100		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	89.1	89.7	92.0	94.3	94.8	97.1
≥ 0		25.9	37.9	44.3	49.4	53.4	66.7	74.1	75.9	84.5	89.1	89.7	92.0	94.3	94.8	100.0

TOTAL NUMBER OF OBSERVATIONS 174

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNAU GERMANY AAF

62-66

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0300

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0	≥0
NO CEILING		7.5	11.8	14.0	17.2	17.2	22.0	24.7	25.8	25.8	26.0	26.0	29.0	29.0	29.0	29.0
≥20000		7.5	11.8	14.0	17.2	17.2	23.7	23.8	25.9	26.9	29.0	29.0	30.1	30.1	30.1	30.1
≥18000		7.5	11.8	14.0	17.2	17.2	23.7	23.8	24.9	26.9	29.0	29.0	30.1	30.1	30.1	30.1
≥16000		7.5	11.8	14.0	17.2	17.2	23.7	23.8	24.9	26.9	29.0	29.0	30.1	30.1	30.1	30.1
≥14000		7.5	11.8	14.0	17.2	17.2	23.7	23.8	26.9	26.9	29.0	29.0	30.1	30.1	30.1	30.1
≥12000		7.5	11.8	14.0	17.2	17.2	23.7	23.8	26.9	26.9	29.0	29.0	30.1	30.1	30.1	30.1
≥10000		7.5	11.8	14.0	17.2	17.2	24.7	26.9	28.0	28.0	30.1	30.1	31.2	31.2	31.2	31.2
≥8000		7.5	11.8	14.0	17.2	17.2	24.7	26.9	28.0	28.0	30.1	30.1	31.2	31.2	31.2	31.2
≥7000		10.9	15.1	17.2	20.4	20.4	28.0	31.2	32.3	32.3	34.4	34.4	35.5	35.5	35.5	35.5
≥6000		12.4	17.2	19.4	22.6	22.6	30.1	33.3	34.4	34.4	36.6	36.6	37.6	37.6	37.6	37.6
≥5000		15.1	19.4	21.5	24.7	24.7	32.3	35.5	36.6	36.6	38.7	38.7	39.8	39.8	39.8	39.8
≥4500		15.1	20.4	24.7	28.0	28.0	35.5	38.7	39.8	39.8	41.9	41.9	43.0	43.0	43.0	43.0
≥4000		17.2	22.6	26.9	30.1	30.1	37.6	40.9	41.9	41.9	44.1	44.1	45.2	45.2	45.2	45.2
≥3500		20.4	26.9	31.2	34.4	34.4	42.0	46.2	47.3	47.3	49.5	49.5	50.5	50.5	50.5	50.5
≥3000		21.5	30.1	38.7	41.9	43.0	51.6	55.9	57.0	57.0	59.1	59.1	60.2	60.2	60.2	60.2
≥2500		25.8	35.5	45.2	49.5	50.5	60.2	65.6	66.7	66.7	68.8	69.9	71.0	71.0	71.0	71.0
≥2000		26.0	36.6	48.4	53.8	55.9	66.7	72.0	73.1	73.1	75.2	76.3	78.5	78.5	78.5	78.5
≥1800		27.9	36.6	48.4	53.8	55.9	66.7	72.0	73.1	73.1	75.2	76.3	78.5	78.5	78.5	78.5
≥1500		29.0	39.8	52.7	59.1	62.4	74.2	81.7	82.8	82.8	86.0	87.1	89.2	89.2	89.2	89.2
≥1200		30.1	40.9	53.8	60.2	62.4	75.3	82.8	83.9	83.9	87.1	88.2	90.3	90.3	90.3	90.3
≥1000		30.1	40.9	53.8	60.2	62.4	75.3	82.8	83.9	83.9	87.1	88.2	90.3	90.3	90.3	90.3
≥900		30.1	40.9	53.8	60.2	62.4	76.4	84.9	86.0	87.1	90.3	91.4	94.6	94.6	94.6	94.6
≥800		30.1	41.9	54.8	61.3	63.4	77.4	86.0	87.2	89.2	92.5	93.5	96.8	96.8	96.8	96.8
≥700		30.1	41.9	54.8	61.3	63.4	77.4	86.0	88.2	89.2	92.5	93.5	97.8	97.8	97.8	97.8
≥600		30.1	41.9	54.8	61.3	63.4	77.4	86.0	89.2	89.2	92.5	93.5	97.8	97.8	97.8	97.8
≥500		30.1	41.9	54.8	61.3	63.4	77.4	86.0	89.2	89.2	92.5	93.5	97.8	97.8	97.8	97.8
≥400		30.1	41.9	54.8	61.3	63.4	77.4	86.0	89.2	89.2	92.5	93.5	97.8	97.8	97.8	97.8
≥300		30.1	41.9	54.8	61.3	63.4	77.4	86.0	89.2	89.2	92.5	93.5	97.8	97.8	97.8	97.8
≥200		30.1	41.9	54.8	61.3	63.4	77.4	86.0	89.2	89.2	92.5	93.5	97.8	97.8	97.8	98.9
≥100		30.1	41.9	54.8	61.3	63.4	77.4	86.0	88.2	89.2	92.5	93.5	97.8	97.8	97.8	98.9
≥0		30.1	41.9	54.8	61.3	63.4	77.4	86.0	89.2	89.2	92.5	93.5	97.8	97.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 93

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/WAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANIA AAF
STATION NAME

60-70
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
TIME PERIOD

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2
NO CEILING	11.5	12.3	14.6	16.6	17.4	20.9	20.9	21.6	22.9	23.6	24.0	24.6	24.9	24.9	25.0
IV 20000	11.6	13.7	17.1	19.5	20.6	24.2	25.0	25.8	27.3	28.3	28.7	29.4	29.8	29.8	29.9
IV 18000	11.6	13.7	17.1	19.5	20.6	24.2	25.0	25.8	27.3	28.3	28.7	29.4	29.8	29.8	29.9
IV 16000	11.6	13.7	17.1	19.5	20.6	24.2	25.0	25.8	27.3	28.3	28.7	29.4	29.8	29.8	29.9
IV 14000	11.6	13.7	17.1	19.5	20.6	24.2	25.0	25.8	27.3	28.3	28.7	29.4	29.8	29.8	29.9
IV 12000	11.7	13.8	17.3	19.6	20.7	24.4	25.3	26.1	27.5	28.6	29.0	29.6	30.0	30.0	30.2
IV 10000	11.9	14.1	17.5	19.9	21.2	25.3	26.2	27.1	28.6	29.6	30.2	30.8	31.2	31.2	31.4
IV 9000	12.3	14.4	18.1	20.6	21.9	26.2	27.1	28.1	29.5	30.6	31.1	31.8	32.1	32.1	32.3
IV 8000	14.9	17.1	20.9	23.8	25.2	29.8	31.0	32.0	33.6	34.7	35.2	35.8	36.2	36.2	36.4
IV 7000	16.1	18.7	22.9	25.8	27.1	31.9	33.2	34.3	36.1	37.2	37.8	38.5	39.1	39.1	39.3
IV 6000	16.6	19.8	23.8	26.7	28.1	32.8	34.3	35.3	37.2	38.2	38.9	39.5	40.2	40.2	40.3
IV 5000	18.1	21.2	25.7	28.6	29.9	35.0	36.6	37.7	39.5	40.6	41.2	41.9	42.6	42.6	42.7
IV 4500	19.0	22.1	27.0	30.0	31.3	36.9	38.5	39.5	41.5	42.6	43.2	43.9	44.5	44.5	44.7
IV 4000	21.2	24.8	31.0	34.1	35.8	41.1	42.7	43.7	45.7	46.8	47.4	48.2	48.9	48.9	49.0
IV 3500	23.5	27.7	34.3	37.7	39.4	45.2	46.9	48.0	49.9	51.0	51.6	52.4	53.1	53.1	53.2
IV 3000	28.2	32.7	41.6	45.7	47.6	54.5	56.5	58.1	60.2	61.5	62.2	63.1	63.8	63.8	63.9
IV 2500	30.8	37.7	46.6	51.3	53.5	61.0	63.9	65.5	68.0	69.4	70.4	71.4	72.1	72.1	72.3
IV 2000	32.0	40.1	49.4	54.5	56.8	64.4	67.5	69.3	71.9	73.4	74.4	75.8	76.4	76.4	76.9
IV 1800	32.8	41.1	50.6	55.9	58.1	65.7	69.0	71.1	73.9	75.4	76.4	77.9	78.5	78.5	79.1
IV 1500	33.5	42.4	52.0	58.5	60.7	69.0	72.3	74.6	77.7	79.7	81.0	82.5	83.3	83.3	83.8
IV 1200	34.1	43.3	53.8	60.1	62.5	71.4	75.1	77.3	80.6	82.7	84.1	85.8	86.6	86.6	87.1
IV 1000	34.1	43.5	53.9	60.6	63.0	72.1	76.4	78.7	82.7	85.4	86.7	88.7	89.6	89.6	90.1
IV 900	34.1	43.6	54.0	60.7	63.1	72.3	76.7	78.9	83.0	85.8	87.1	89.1	90.1	90.1	90.6
IV 800	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 700	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 600	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 500	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 400	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 300	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 200	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 100	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4
IV 0	34.1	43.7	54.2	60.9	63.2	72.6	76.9	79.2	83.3	86.2	87.5	89.6	90.9	90.9	91.4

TOTAL NUMBER OF OBSERVATIONS 759

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMAN Y AAF

60=70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0
NO CEILING		3.2	11.5	11.9	12.8	14.1	16.0	16.7	17.2	18.4	19.6	20.2	21.2	21.8	21.8	21.8
≥20000		11.6	14.3	16.6	18.1	19.5	22.1	22.9	23.5	25.0	26.6	27.7	28.9	29.6	29.6	29.6
IV 18000		11.6	14.3	16.6	18.1	19.5	22.1	22.9	23.5	25.0	26.6	27.7	28.9	29.6	29.6	29.6
IV 16000		11.6	14.3	16.6	18.1	19.5	22.1	22.9	23.5	25.0	26.6	27.7	28.9	29.6	29.6	29.6
IV 14000		11.7	14.4	16.7	18.2	19.6	22.3	23.0	23.6	25.2	26.7	27.8	29.0	29.7	29.7	29.7
IV 12000		11.7	14.4	16.7	18.3	19.7	22.4	23.1	23.7	25.3	26.8	27.9	29.1	29.8	29.8	29.8
IV 10000		12.5	15.3	18.1	19.6	21.2	23.8	24.8	25.8	27.4	29.0	30.2	31.4	32.1	32.1	32.1
IV 9000		13.7	16.6	19.6	21.4	23.2	25.8	26.7	27.7	29.6	31.2	32.4	33.6	34.3	34.3	34.3
IV 8000		17.1	20.7	24.2	26.5	28.0	31.4	33.1	34.3	36.5	38.1	39.4	40.7	41.4	41.4	41.4
IV 7000		17.4	21.3	25.2	27.7	29.2	32.7	35.3	36.6	39.1	40.8	42.0	43.6	44.4	44.4	44.4
IV 6000		17.9	22.1	26.0	28.6	30.2	33.7	36.2	37.5	40.1	41.8	43.0	44.5	45.4	45.4	45.4
IV 5000		18.8	23.2	27.8	30.4	32.1	36.0	38.5	39.8	42.4	44.0	45.2	46.8	47.7	47.7	47.7
IV 4500		19.7	24.2	28.9	31.5	33.2	37.1	39.6	40.9	43.4	45.1	46.3	47.9	48.7	48.7	48.7
IV 4000		22.7	27.6	33.0	35.6	37.3	41.4	43.9	45.4	48.1	49.9	51.4	52.9	53.8	53.8	53.8
IV 3500		24.5	29.6	35.5	38.5	40.6	44.5	47.3	49.0	51.7	53.5	55.0	56.6	57.4	57.4	57.4
IV 3000		28.6	34.3	40.6	43.7	45.8	50.1	53.3	55.6	58.7	61.0	62.5	64.2	65.3	65.3	65.3
IV 2500		32.7	39.0	47.1	51.4	54.6	59.2	62.6	65.0	68.4	70.8	72.3	74.2	75.3	75.3	75.5
IV 2000		34.3	40.7	48.7	53.5	56.7	62.0	65.6	68.0	71.5	74.1	75.9	78.0	79.1	79.1	79.2
IV 1800		34.5	41.0	49.5	54.3	57.6	62.8	66.4	68.8	72.3	75.0	76.8	79.1	80.1	80.1	80.3
IV 1500		35.6	42.1	50.7	55.7	59.1	65.5	69.1	71.5	75.6	78.6	80.6	83.2	84.5	84.5	84.6
IV 1200		35.5	43.3	52.2	57.4	61.7	67.9	71.6	74.7	79.1	82.3	84.4	87.0	88.7	88.7	88.8
IV 1000		36.7	43.7	52.6	57.9	62.3	68.7	72.7	75.9	81.1	84.8	87.0	89.8	91.7	91.7	91.8
IV 900		36.9	43.9	52.8	58.1	62.5	69.0	73.0	76.3	81.6	85.3	87.5	90.3	92.2	92.2	92.3
IV 800		36.9	43.9	52.8	58.1	62.5	69.0	73.0	76.3	81.7	85.5	87.7	90.6	92.3	92.3	92.7
IV 700		36.9	43.9	52.8	58.1	62.5	69.0	73.2	76.4	81.8	85.8	88.0	91.0	93.0	93.0	93.1
IV 600		36.9	43.9	52.8	58.1	62.5	69.1	73.4	76.8	82.3	86.3	88.7	91.7	93.7	93.7	93.9
IV 500		36.9	43.9	52.8	58.1	62.5	69.1	73.4	76.8	82.4	86.5	88.9	92.4	94.1	94.1	94.2
IV 400		36.9	43.9	52.8	58.1	62.5	69.1	73.4	76.8	82.4	86.5	89.0	92.4	94.1	94.1	95.2
IV 300		36.9	43.9	52.8	58.1	62.5	69.1	73.4	76.8	81.4	86.5	89.0	92.4	94.1	94.1	96.9
IV 200		36.9	43.9	52.8	58.1	62.5	69.1	73.4	76.8	82.4	86.5	89.2	92.5	96.0	96.5	97.8
IV 100		36.9	43.9	52.8	58.1	62.5	69.1	73.4	76.8	82.4	86.6	89.2	92.5	96.0	96.6	99.0
IV 0		36.9	43.9	52.8	58.1	62.5	69.1	73.4	76.8	82.4	86.6	89.2	92.5	96.0	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 831

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .9	≥ .8	≥ .75	≥ .6	≥ .5	≥ 0
NO CEILING		11.4	13.2	15.7	16.7	17.3	18.9	20.1	20.4	21.9	22.1	22.4	22.4	22.4	22.6	22.6
≥ 20000		13.9	16.7	19.3	20.8	21.4	24.2	25.6	26.2	28.1	28.4	28.8	28.8	28.9	28.9	28.9
≥ 18000		13.9	16.7	19.3	20.8	21.6	24.2	25.6	26.2	28.1	28.4	28.8	28.8	28.9	28.9	28.9
≥ 16000		13.9	16.7	19.3	20.8	21.7	24.3	25.7	26.3	28.2	28.6	28.9	28.9	29.1	29.1	29.1
≥ 14000		14.0	16.8	19.4	20.9	21.8	24.4	25.8	26.4	28.3	28.7	29.1	29.1	29.2	29.2	29.2
≥ 12000		14.0	16.8	19.4	21.2	22.1	24.7	26.1	26.7	28.6	28.9	29.3	29.3	29.4	29.4	29.4
≥ 10000		15.0	17.8	20.7	23.1	24.1	26.8	28.3	29.1	31.2	31.7	32.1	32.1	32.2	32.2	32.2
≥ 9000		16.9	19.9	22.8	25.3	26.3	29.1	30.8	31.7	34.0	34.5	34.8	34.8	35.0	35.0	35.0
≥ 8000		18.7	21.9	25.8	28.6	29.7	32.8	34.8	36.3	38.6	39.1	39.5	39.5	39.6	39.6	39.6
≥ 7000		19.7	23.1	27.2	30.1	31.5	34.6	36.8	38.6	41.1	41.7	42.1	42.1	42.2	42.2	42.2
≥ 6000		20.3	23.7	28.1	31.0	32.3	35.6	37.8	39.6	42.2	43.0	43.6	43.6	43.7	43.7	43.7
≥ 5000		21.7	25.1	29.6	32.5	34.0	37.3	39.6	41.4	44.0	44.7	45.4	45.4	45.5	45.5	45.5
≥ 4500		23.3	26.9	31.8	34.5	36.1	39.6	41.9	43.6	46.2	47.0	47.6	47.6	47.7	47.7	47.7
≥ 4000		25.6	29.2	34.0	37.0	38.7	42.4	44.7	46.6	49.4	50.1	50.8	50.8	50.9	50.9	50.9
≥ 3500		28.6	32.2	37.2	40.4	42.1	46.0	48.5	50.4	53.1	53.9	54.5	54.5	54.6	54.6	54.6
≥ 3000		35.8	41.0	47.1	50.3	52.3	56.6	59.5	62.2	65.4	66.7	67.3	67.4	67.5	67.5	67.5
≥ 2500		41.1	47.1	54.3	58.1	60.8	65.8	68.8	71.4	74.8	76.1	76.8	76.9	77.1	77.1	77.1
≥ 2000		43.6	49.7	56.9	60.9	63.5	69.2	72.3	75.2	78.8	80.3	81.5	81.8	82.0	82.0	82.0
≥ 1800		43.9	50.1	57.3	61.3	64.2	69.5	72.9	75.8	79.4	81.1	82.5	82.8	83.1	83.1	83.1
≥ 1500		45.0	51.4	58.9	63.3	66.3	72.8	75.9	79.3	83.0	84.6	86.2	86.6	87.1	87.1	87.1
≥ 1200		47.4	54.0	61.9	67.2	70.3	76.9	80.3	84.1	88.2	89.8	91.9	92.2	92.7	92.7	92.7
≥ 1000		47.6	54.3	62.2	67.4	70.6	77.3	80.7	84.7	89.2	91.0	93.0	93.6	94.4	94.5	94.5
≥ 900		47.7	54.4	62.3	67.5	70.8	77.6	81.0	85.1	89.7	91.5	93.5	94.1	94.9	95.0	95.0
≥ 800		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.1	92.1	94.1	94.9	95.6	95.7	95.7
≥ 700		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.2	92.6	94.9	95.9	96.6	96.7	96.7
≥ 600		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.6	93.2	95.5	96.5	97.2	97.4	97.4
≥ 500		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.6	93.2	95.5	96.9	97.6	97.7	98.0
≥ 400		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.6	93.6	95.8	97.4	98.1	98.2	98.5
≥ 300		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.6	93.6	95.9	97.4	98.5	98.6	99.0
≥ 200		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.6	93.6	96.0	97.5	98.9	99.0	99.4
≥ 100		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.6	93.6	96.0	97.5	98.9	99.2	100.0
≥ 0		47.7	54.4	62.3	67.5	70.8	77.7	81.1	85.2	90.6	93.6	96.0	97.5	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 798

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0
NO CEILING		15.2	17.7	20.3	20.6	21.0	21.9	23.1	23.5	23.7	23.7	23.7	23.7	23.7	23.8	23.8
≥ 20000		18.9	22.7	26.3	27.1	28.0	29.6	31.1	31.9	32.2	32.5	32.7	33.2	33.3	33.4	33.4
≥ 18000		18.9	22.7	26.3	27.1	28.0	29.6	31.1	31.9	32.2	32.5	32.7	33.2	33.3	33.4	33.4
≥ 16000		18.9	22.7	26.3	27.1	28.0	29.6	31.1	31.9	32.2	32.5	32.7	33.2	33.3	33.4	33.4
≥ 14000		19.9	22.7	26.3	27.1	28.0	29.6	31.1	31.9	32.2	32.5	32.7	33.2	33.3	33.4	33.4
≥ 12000		19.4	23.1	26.7	27.7	28.7	30.3	31.8	32.6	32.9	33.2	33.4	33.8	34.0	34.1	34.1
≥ 10000		20.6	24.4	28.0	29.2	30.2	32.3	33.8	34.8	35.0	35.3	35.6	36.0	36.1	36.3	36.3
≥ 9000		21.4	25.3	29.0	30.3	31.3	33.6	35.5	36.5	36.9	37.2	37.5	37.9	38.0	38.2	38.2
≥ 8000		23.5	27.7	31.5	33.4	34.4	37.1	39.1	40.5	41.0	41.3	41.5	41.9	42.1	42.2	42.2
≥ 7000		25.7	30.0	33.8	35.7	36.7	39.4	41.7	43.0	43.8	44.1	44.4	44.8	44.9	45.1	45.1
≥ 6000		26.8	31.1	35.5	37.3	38.6	41.3	43.6	44.9	46.3	46.5	46.8	47.2	47.4	47.5	47.5
≥ 5000		27.5	31.8	36.1	38.2	39.2	42.1	44.5	45.9	47.2	47.5	47.8	48.2	48.3	48.4	48.4
≥ 4500		29.0	33.4	37.8	40.1	41.3	44.1	46.5	47.9	49.3	49.5	49.8	50.2	50.3	50.5	50.5
≥ 4000		31.7	36.5	41.7	44.1	45.6	48.4	50.9	52.6	54.1	54.4	54.7	55.1	55.2	55.3	55.3
≥ 3500		35.2	40.3	46.0	48.6	50.1	52.9	55.3	57.1	58.6	59.0	59.3	59.7	59.8	59.9	59.9
≥ 3000		41.0	47.5	53.3	56.6	58.3	61.3	64.3	66.2	67.9	68.6	68.9	69.4	69.6	69.7	69.7
≥ 2.00		46.7	54.5	62.0	65.4	67.5	70.9	74.2	76.0	78.1	78.8	79.0	79.8	80.2	80.4	80.4
≥ 2000		48.0	56.0	64.0	67.3	70.2	74.0	77.5	79.9	82.0	82.7	83.4	84.2	85.0	85.1	85.1
≥ 1800		48.4	56.4	64.4	68.3	71.2	75.6	79.3	81.6	83.8	84.4	85.1	85.9	86.7	86.9	86.9
≥ 1500		49.9	58.2	66.7	70.9	73.6	78.2	82.0	84.3	86.7	87.4	88.1	89.0	89.9	90.0	90.0
≥ 1200		51.0	59.5	68.2	72.4	75.1	79.7	83.9	86.2	88.8	89.4	90.3	91.3	92.2	92.3	92.3
≥ 1000		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.7	89.7	90.8	91.7	92.6	93.5	94.0	94.0
≥ 900		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.7	89.7	90.8	91.9	92.8	93.7	94.2	94.3
≥ 800		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.7	89.7	90.8	91.9	92.8	93.7	94.2	94.3
≥ 700		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.7	89.7	91.1	92.3	94.0	93.4	95.5	95.7
≥ 600		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.7	89.7	91.2	92.4	94.2	93.5	95.7	95.8
≥ 500		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.7	90.0	91.3	92.7	94.9	96.3	96.5	96.8
≥ 400		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.9	90.3	91.7	93.1	95.2	97.0	97.2	97.8
≥ 300		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.9	90.3	91.9	93.2	95.4	97.8	98.0	98.6
≥ 200		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.9	90.3	91.9	93.4	95.5	98.0	98.1	99.1
≥ 100		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.9	90.3	91.9	93.4	95.5	98.0	98.2	100.0
≥ 0		51.6	60.1	68.7	72.9	75.6	80.2	84.4	86.9	90.3	91.9	93.4	95.5	98.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 739

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNAU

GERMANY AAF
STATION NAME

62-62,67,69-70
YEAR

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1/2	≥1/2	≥0
NO CEILING		18.9	22.6	24.5	26.4	27.0	27.7	28.9	29.6	29.6	30.2	30.2	30.2	30.2	30.2	30.2
IV 20000		22.0	27.0	28.9	32.1	32.7	34.6	35.8	37.1	37.7	38.4	38.4	39.0	39.0	39.0	39.0
IV 18000		22.0	27.0	28.9	32.1	32.7	34.6	35.8	37.1	37.7	38.4	38.4	39.0	39.0	39.0	39.0
IV 16000		22.0	27.0	28.9	32.1	32.7	34.6	35.8	37.1	37.7	38.4	38.4	39.0	39.0	39.0	39.0
IV 4000		22.0	27.0	28.9	32.1	32.7	34.6	35.8	37.1	37.7	38.4	38.4	39.0	39.0	39.0	39.0
IV 12000		22.6	27.7	29.6	32.7	33.3	35.2	36.5	37.7	38.4	39.0	39.0	39.6	39.6	39.6	39.6
IV 10000		22.6	27.7	29.6	32.7	33.3	35.2	36.5	37.7	38.4	39.0	39.6	39.6	40.3	40.3	40.3
IV 9000		23.3	28.3	30.2	33.3	34.0	36.5	37.7	39.0	39.6	40.3	40.3	40.9	40.9	40.9	40.9
IV 8000		27.0	32.7	34.6	38.4	39.0	42.1	43.4	44.7	45.3	45.9	46.5	46.5	46.5	46.5	46.5
IV 7000		29.9	34.6	36.5	40.3	40.9	44.0	45.3	47.2	47.8	48.4	48.4	49.1	49.1	49.1	49.1
IV 6000		30.2	35.8	37.7	41.5	42.1	45.3	46.5	48.4	49.1	49.7	49.7	50.3	50.3	50.3	50.3
IV 5000		31.4	37.1	39.0	43.4	44.0	47.2	48.4	50.3	51.6	52.2	52.2	52.8	52.8	52.8	52.8
IV 4500		34.0	39.6	42.8	46.5	47.2	50.3	51.6	53.5	54.7	55.3	55.3	56.0	56.0	56.0	56.0
IV 4000		37.1	44.0	47.2	50.9	51.6	54.7	56.0	58.5	59.7	60.4	60.4	61.0	61.0	61.0	61.0
IV 3500		39.6	47.2	52.2	56.0	56.6	59.7	61.6	63.5	64.8	65.4	65.4	66.0	66.0	66.0	66.0
IV 3000		42.8	51.6	56.6	61.0	62.3	65.4	67.9	70.4	72.3	73.0	73.0	73.6	73.6	73.6	73.6
IV 2500		45.5	56.0	62.3	67.9	69.2	73.0	76.1	78.6	80.5	81.1	81.1	81.8	81.8	81.8	81.8
IV 2000		47.2	56.6	62.9	68.6	69.8	74.2	77.4	80.5	83.0	84.3	84.3	84.9	84.9	85.5	85.5
IV 1800		47.2	56.6	62.9	69.2	70.4	74.8	78.0	81.1	83.6	84.9	84.9	85.5	85.5	85.5	85.5
IV 1500		49.7	59.1	66.0	72.3	73.6	78.0	81.1	84.3	86.8	88.1	88.1	88.7	88.7	88.7	89.3
IV 1200		50.5	61.0	67.9	74.8	76.1	80.5	83.6	86.8	89.3	91.2	91.2	91.8	91.8	91.8	92.5
IV 1000		52.8	62.9	69.8	76.7	79.0	83.0	86.2	89.3	91.8	93.7	94.3	95.6	95.6	95.6	96.2
IV 900		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	94.3	96.2	96.9	96.9	97.5
IV 800		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	94.3	96.2	96.9	96.9	97.5
IV 700		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	94.3	96.2	96.9	96.9	97.5
IV 600		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	94.3	96.2	96.9	96.9	97.5
IV 500		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	95.0	96.9	98.1	98.1	98.7
IV 400		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	95.0	96.9	98.1	98.1	98.7
IV 300		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	95.0	96.9	98.1	98.7	99.4
IV 200		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	95.0	96.9	98.1	98.7	99.4
IV 100		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	95.0	96.9	98.1	99.4	100.0
IV 0		52.8	62.9	69.8	76.7	78.0	83.0	86.2	89.3	91.8	93.7	95.0	96.9	98.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 159

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

68
YEAR

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 20000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 18000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 16000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 14000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 12000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 10000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 9000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 8000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 7000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 6000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 5000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 4500	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 4000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1500	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 3000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 2500	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 2000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1800	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1500	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1000	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 950	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 800	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 700	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 600	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 500	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 400	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 300	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 200	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNAK GER. A. Y. AAF
SITE OR NAME

6206468

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0300

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0	
NO CEILING		5.1	11.5	19.2	21.8	23.1	24.4	26.9	26.9	28.2	29.5	32.1	32.1	32.1	32.1	32.1	33.3
≥ 20000		5.4	12.8	20.5	23.1	24.4	29.5	30.8	32.1	33.3	35.9	35.9	35.9	35.9	35.9	35.9	37.2
IV 18000		5.4	12.8	20.5	23.1	24.4	29.5	30.8	32.1	33.3	35.9	35.9	35.9	35.9	35.9	35.9	37.2
IV 16000		5.4	12.8	20.5	23.1	24.4	29.5	30.8	32.1	33.3	35.9	35.9	35.9	35.9	35.9	35.9	37.2
IV 14000		5.4	12.8	20.5	23.1	24.4	29.5	30.8	32.1	33.3	35.9	37.2	37.2	37.2	37.2	37.2	38.5
IV 12000		5.4	12.8	20.5	23.1	24.4	29.5	30.8	32.1	34.6	37.2	38.5	38.5	38.5	38.5	38.5	39.7
IV 10000		5.4	12.8	20.5	23.1	24.4	29.5	30.8	32.1	34.6	37.2	38.5	38.5	38.5	38.5	38.5	39.7
IV 9000		5.4	12.8	20.5	23.1	24.4	29.5	30.8	32.1	34.6	37.2	38.5	38.5	38.5	38.5	38.5	39.7
IV 8000		5.4	14.1	21.8	24.4	25.6	30.8	32.1	33.3	35.9	38.5	39.7	39.7	39.7	39.7	39.7	41.0
IV 7000		5.4	15.4	24.4	26.9	28.2	33.3	34.6	35.9	38.5	41.0	42.3	42.3	42.3	42.3	42.3	43.6
IV 6000		5.4	15.4	24.4	26.9	28.2	33.3	34.6	35.9	38.5	41.0	42.3	42.3	42.3	42.3	42.3	43.6
IV 5000		5.4	15.4	24.4	26.9	28.2	33.3	34.6	35.9	38.5	41.0	42.3	42.3	42.3	42.3	42.3	43.6
IV 4500		5.4	15.4	25.6	28.2	29.5	34.6	35.9	37.2	39.7	42.3	43.6	43.6	43.6	43.6	43.6	44.9
IV 4000		5.4	17.9	28.2	30.8	32.1	37.2	38.5	39.7	43.6	46.2	47.4	47.4	47.4	47.4	47.4	48.7
IV 3500		7.7	20.5	33.3	35.9	37.2	42.3	43.6	44.9	48.7	51.3	52.6	52.6	52.6	52.6	52.6	53.8
IV 3000		9.0	23.1	38.5	43.6	44.9	50.0	51.3	52.6	56.4	59.0	60.3	60.3	60.3	60.3	60.3	61.5
IV 2500		12.8	30.8	51.3	59.0	60.3	67.9	71.8	73.1	78.2	80.8	82.1	82.1	82.1	82.1	82.1	83.3
IV 2000		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	85.9	89.7	91.0	91.0	91.0	91.0	91.0	92.3
IV 1800		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	87.2	91.0	92.3	92.3	92.3	92.3	92.3	93.6
IV 1500		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	87.2	91.0	92.3	92.3	92.3	92.3	92.3	93.6
IV 1200		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	87.2	91.0	92.3	92.3	92.3	92.3	92.3	93.6
IV 1000		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	87.2	92.3	92.3	92.3	92.3	92.3	92.3	93.6
IV 900		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	87.2	92.3	93.6	93.6	93.6	93.6	93.6	94.9
IV 800		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	87.2	92.3	93.6	93.6	93.6	93.6	93.6	94.9
IV 700		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	87.2	92.3	93.6	93.6	93.6	93.6	93.6	94.9
IV 600		12.8	34.6	56.4	65.4	66.7	74.4	78.2	79.5	80.8	88.5	93.6	94.9	96.2	96.2	96.2	97.4
IV 500		12.8	34.6	56.4	65.4	66.7	74.4	79.5	80.8	88.5	93.6	94.9	96.2	96.2	96.2	96.2	97.4
IV 400		12.8	34.6	56.4	65.4	66.7	74.4	79.5	80.8	88.5	93.6	94.9	96.2	96.2	96.2	96.2	97.4
IV 300		12.8	34.6	56.4	65.4	66.7	74.4	79.5	80.8	88.5	93.6	94.9	96.2	96.2	96.2	96.2	98.7
IV 200		12.8	34.6	56.4	65.4	66.7	74.4	79.5	80.8	88.5	93.6	94.9	96.2	96.2	96.2	96.2	98.7
IV 100		12.8	34.6	56.4	65.4	66.7	74.4	79.5	80.8	88.5	93.6	94.9	96.2	96.2	96.2	96.2	100.0
IV 0		12.8	34.6	56.4	65.4	66.7	74.4	79.5	80.8	88.5	93.6	94.9	96.2	96.2	96.2	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 78

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

STATION 34070 BAD KREUZNACH GERMAN Y DAF

60-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1		
NO CEILING		9.6	13.6	18.1	19.9	21.2	23.6	24.2	24.9	26.7	28.2	28.8	29.0	29.6	29.6	30.0
≥ 20000		12.0	16.5	21.4	23.6	25.0	27.8	28.7	29.5	31.9	33.6	34.1	34.5	35.1	35.1	35.7
≥ 18000		12.0	16.5	21.4	23.6	25.0	27.8	28.7	29.5	31.9	33.6	34.1	34.5	35.1	35.1	35.7
≥ 16000		12.0	16.5	21.4	23.6	25.0	27.8	28.7	29.5	31.9	33.6	34.1	34.5	35.1	35.1	35.7
≥ 14000		12.0	16.5	21.4	23.6	25.0	27.8	28.7	29.5	31.9	33.6	34.1	34.5	35.1	35.1	35.7
≥ 12000		12.0	16.6	21.5	23.7	25.1	27.9	28.8	29.6	32.0	33.7	34.5	35.0	35.4	35.6	36.2
≥ 10000		12.3	17.5	22.3	24.7	26.0	29.0	29.8	30.7	33.1	35.0	35.7	36.2	37.0	37.0	37.6
≥ 9000		12.4	19.2	24.1	26.6	27.9	30.9	31.7	32.6	35.0	36.9	37.6	38.1	38.9	38.9	39.5
≥ 8000		15.3	21.4	26.8	29.2	30.6	33.9	34.8	35.8	38.6	40.5	41.2	41.7	42.5	42.5	43.1
≥ 7000		16.9	22.7	29.6	32.1	33.5	37.1	38.0	39.2	42.0	43.9	44.7	45.2	45.9	45.9	46.6
≥ 6000		17.2	24.0	30.0	32.6	33.9	37.6	38.7	39.8	42.8	44.7	45.5	46.0	46.8	46.8	47.4
≥ 5500		17.8	25.1	31.8	34.6	35.9	39.6	40.8	42.0	45.2	47.2	48.1	48.6	49.3	49.3	49.9
≥ 5000		18.7	26.1	33.2	35.9	37.3	41.0	42.1	43.4	46.6	48.6	49.4	49.9	50.7	50.7	51.3
≥ 4000		20.5	29.3	37.5	40.9	42.4	46.5	47.7	49.0	52.5	54.6	55.5	56.1	56.7	56.9	57.5
≥ 3500		22.2	31.3	40.7	44.6	46.2	50.6	51.8	53.1	56.6	58.8	59.7	60.3	61.2	61.2	61.9
≥ 3000		25.4	35.0	45.9	50.2	52.2	57.2	58.7	60.1	63.3	66.0	67.0	67.8	68.7	68.7	69.3
≥ 2500		31.3	42.0	55.0	60.1	62.6	68.7	70.5	72.3	76.5	79.0	80.1	80.9	81.9	81.9	82.5
≥ 2000		33.0	44.2	57.9	63.8	66.3	72.9	75.0	76.9	81.5	84.3	85.5	86.4	87.4	87.4	88.0
≥ 1800		33.6	44.8	58.5	64.7	67.3	74.4	76.7	78.6	83.1	86.0	87.1	88.1	89.0	89.0	89.7
≥ 1500		34.4	46.0	59.7	66.2	69.0	76.3	78.9	80.8	85.6	88.4	89.6	90.2	91.6	91.6	92.2
≥ 1200		34.9	46.9	60.6	67.2	70.5	78.0	81.1	83.0	87.9	90.6	91.8	92.7	93.8	93.8	94.4
≥ 1000		35.1	47.1	60.9	67.5	70.8	78.7	82.2	84.2	89.3	92.3	93.5	94.5	95.6	95.6	96.2
≥ 900		35.1	47.1	60.9	67.5	70.8	78.7	82.2	84.2	89.4	92.5	93.6	94.6	95.7	95.7	96.3
≥ 800		35.1	47.1	60.9	67.5	70.8	78.7	82.2	84.2	89.4	92.5	93.7	94.7	95.8	95.8	96.4
≥ 700		35.1	47.1	60.9	67.5	70.8	78.7	82.4	84.5	89.8	93.3	94.4	95.6	96.8	96.8	97.5
≥ 600		35.1	47.1	60.9	67.5	71.0	78.9	82.6	84.7	90.2	93.7	94.8	96.0	97.3	97.3	97.9
≥ 500		35.1	47.1	60.9	67.5	71.0	78.9	82.6	84.7	90.3	93.8	94.9	96.1	97.4	97.4	98.0
≥ 400		35.1	47.1	60.9	67.5	71.0	78.9	82.7	84.8	90.4	93.9	95.0	96.2	97.6	97.6	98.7
≥ 300		35.1	47.1	60.9	67.5	71.0	78.9	82.7	84.8	90.4	93.9	95.0	96.2	97.6	97.6	98.8
≥ 200		35.1	47.1	60.9	67.5	71.0	78.9	82.7	84.8	90.4	93.9	95.0	96.3	97.8	97.8	99.3
≥ 100		35.1	47.1	60.9	67.5	71.0	78.9	82.7	84.8	90.4	93.9	95.0	96.3	97.8	97.8	99.6
≥ 0		35.1	47.1	60.9	67.5	71.0	78.9	82.7	84.8	90.4	93.9	95.0	96.3	97.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS

949

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH, GERMANY AAF
STATION NAME

60-72
YEAR

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
TIME PERIOD

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		11.5	14.4	17.7	18.9	20.2	22.4	23.9	25.1	26.2	27.3	28.1	28.2	28.5	28.6	
≥ 20000		15.0	18.7	23.1	24.4	26.0	29.0	30.7	32.5	34.5	35.8	36.5	36.9	37.2	37.3	
IV 18000		15.0	18.7	23.1	24.4	26.0	29.0	30.7	32.5	34.5	35.8	36.5	36.9	37.2	37.3	
IV 16000		15.0	18.7	23.1	24.4	26.0	29.0	30.7	32.5	34.5	35.8	36.5	36.9	37.2	37.3	
IV 14000		15.1	18.6	23.2	24.5	25.1	29.1	30.8	32.6	34.6	35.9	36.6	37.0	37.3	37.4	
IV 12000		15.4	19.2	23.5	24.8	26.4	29.4	31.2	32.9	34.9	36.2	37.0	37.3	37.6	37.7	
IV 10000		16.7	21.9	25.4	27.1	28.7	31.8	34.0	35.7	38.0	39.6	40.5	41.0	41.3	41.4	
IV 9000		17.9	22.4	27.2	29.1	30.6	33.9	36.0	37.8	40.1	41.7	42.5	43.1	43.4	43.5	
IV 8000		19.4	25.1	30.2	32.3	34.3	37.8	40.1	41.9	44.6	46.4	47.2	47.7	48.0	48.1	
IV 7000		20.7	26.6	31.8	34.0	35.9	39.5	41.9	43.8	46.5	48.2	49.1	49.6	49.9	50.0	
IV 6000		21.0	26.9	32.1	34.4	36.4	40.4	42.8	44.7	47.4	49.2	50.0	50.5	50.8	50.9	
IV 5000		22.4	28.4	34.0	36.3	38.5	42.4	44.8	46.8	49.5	51.2	52.1	52.6	52.9	53.0	
IV 4500		23.8	30.0	35.7	38.2	40.4	44.5	46.9	48.9	51.6	53.3	54.1	54.7	55.0	55.1	
IV 4000		26.4	32.7	39.3	41.9	44.5	48.6	51.3	53.5	56.2	58.2	59.1	59.6	60.0	60.1	
IV 3500		28.4	35.2	42.7	45.8	48.6	52.7	55.7	58.1	60.8	62.7	63.7	64.2	64.6	64.7	
IV 3000		32.2	39.3	47.8	51.0	54.0	58.5	62.0	64.4	67.5	69.5	70.4	70.9	71.3	71.4	
IV 2500		38.6	46.9	56.8	60.2	63.6	68.3	72.3	75.4	79.0	81.2	82.1	82.6	83.0	83.1	
IV 2000		40.7	49.1	60.0	64.0	67.3	72.6	76.5	79.6	83.2	85.4	86.3	87.0	87.5	87.6	
IV 1800		40.8	49.2	60.2	64.6	67.9	73.4	77.4	80.5	84.2	86.3	87.5	88.0	88.4	88.5	
IV 1500		42.7	51.1	62.3	67.0	70.3	76.5	80.3	83.0	87.8	90.1	91.3	91.9	92.3	92.4	
IV 1200		43.3	52.1	63.5	68.2	71.8	78.2	82.7	85.8	89.8	92.0	93.2	93.9	94.3	94.4	
IV 1000		43.9	52.7	64.1	68.8	72.5	78.9	84.0	87.1	91.3	93.7	95.0	95.7	96.1	96.2	
IV 900		43.9	52.7	64.1	68.8	72.5	78.9	84.0	87.1	91.3	93.8	94.9	95.8	96.2	96.3	
IV 800		43.9	52.7	64.1	68.8	72.5	78.9	84.0	87.2	91.7	94.2	95.3	96.2	96.6	96.7	
IV 700		43.9	52.7	64.1	68.8	72.5	79.0	84.1	87.6	92.3	95.3	96.5	97.3	97.7	97.8	
IV 600		43.9	52.7	64.2	68.9	72.6	79.1	84.2	87.7	92.8	95.8	96.9	97.8	98.2	98.3	
IV 500		43.9	52.7	64.2	69.0	72.7	79.3	84.4	87.9	93.1	96.1	97.2	98.1	98.6	98.7	
IV 400		43.9	52.7	64.2	69.0	72.7	79.3	84.4	87.9	93.1	96.1	97.2	98.1	98.6	98.7	
IV 300		43.9	52.7	64.2	69.0	72.7	79.3	84.4	87.9	93.1	96.1	97.2	98.2	99.0	99.4	
IV 200		43.9	52.7	64.2	69.0	72.7	79.3	84.4	87.9	93.1	96.1	97.2	98.2	99.0	99.5	
IV 100		43.9	52.7	64.2	69.0	72.7	79.3	84.4	87.9	93.1	96.1	97.2	98.2	99.0	99.7	
IV 0		43.9	52.7	64.2	69.0	72.7	79.3	84.4	87.9	93.1	96.1	97.2	98.2	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 966

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

MAR

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	≥0.05	≥0
NO CEILING		12.9	15.5	17.3	18.8	19.7	22.4	23.9	24.8	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 20000		17.2	20.9	24.1	26.5	28.0	31.3	33.0	34.0	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 18000		17.2	20.9	24.1	26.5	28.0	31.3	33.0	34.0	34.4	34.4	34.4	34.4	34.4	34.4	34.4
IV 16000		17.2	21.0	24.2	26.6	28.1	31.4	33.1	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 14000		17.2	21.0	24.2	26.6	28.1	31.4	33.1	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5
IV 12000		17.2	21.1	24.3	26.7	28.2	31.5	33.2	34.2	34.6	34.6	34.6	34.6	34.6	34.6	34.6
IV 10000		18.7	22.0	25.0	28.5	30.1	33.4	35.2	36.1	36.5	36.9	36.9	36.9	36.9	36.9	36.9
IV 9000		20.5	24.7	28.3	30.8	32.4	35.7	37.4	38.4	39.0	39.1	39.1	39.1	39.1	39.1	39.1
IV 8000		23.2	27.5	31.6	34.1	35.7	39.2	41.0	42.3	43.0	43.1	43.1	43.1	43.1	43.1	43.1
IV 7000		24.3	28.7	32.8	35.4	37.2	41.1	42.9	44.2	45.1	45.2	45.2	45.2	45.2	45.2	45.2
IV 6000		24.0	29.2	33.4	36.1	38.0	41.9	43.8	45.2	45.9	46.0	46.0	46.0	46.0	46.0	46.0
IV 5000		25.9	31.0	35.2	38.0	39.8	43.8	45.7	47.1	48.0	48.1	48.1	48.1	48.1	48.1	48.1
IV 4500		28.4	33.7	37.8	40.6	42.5	46.5	48.5	49.9	50.8	50.9	50.9	50.9	50.9	50.9	50.9
IV 4000		31.1	36.6	41.4	44.2	46.1	50.2	52.5	53.8	54.7	55.2	55.2	55.2	55.2	55.2	55.2
IV 3500		36.0	41.9	47.7	51.2	53.2	57.6	60.1	61.2	62.4	62.8	62.8	62.8	62.8	62.8	62.8
IV 3000		42.5	48.3	55.9	60.0	62.0	66.8	69.0	70.8	71.4	71.9	71.9	71.9	71.9	71.9	71.9
IV 2500		50.6	57.7	66.1	70.5	72.9	77.7	80.6	82.5	83.7	84.2	84.4	84.4	84.4	84.4	84.4
IV 2000		54.3	61.5	71.0	75.6	78.0	83.0	86.0	87.8	89.0	89.7	89.9	89.9	89.9	89.9	89.9
IV 1800		55.9	63.2	72.8	77.5	79.9	85.2	88.2	90.0	91.2	91.8	92.0	92.0	92.0	92.0	92.0
IV 1500		58.1	65.7	75.3	80.0	82.5	88.4	91.4	93.2	94.4	95.1	95.2	95.4	95.4	95.4	95.4
IV 1200		58.5	66.6	76.6	81.5	84.0	89.9	92.9	94.7	95.9	96.6	96.8	96.9	96.9	96.9	96.9
IV 1000		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 900		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 800		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 700		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 600		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 500		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 400		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 300		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 200		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 100		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8
IV 0		59.1	66.8	77.0	81.9	84.6	90.6	93.7	95.6	96.9	97.5	97.7	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 930

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/10

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZALB GER. A. V. IAF
STATION NAME

6970

MAR

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	≥0.75	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0.15	
NO CEILING																	
≥ 20000	21.3	22.2	24.7	25.4	27.0	27.5	27.8	28.2	28.2	28.2	28.2	28.2	28.2	28.2	26.2	26.2	26.2
≥ 18000	26.3	28.7	32.7	34.2	35.1	36.6	36.9	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 16000	26.3	28.7	32.7	34.2	35.1	36.6	36.9	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 14000	26.7	29.1	33.1	34.7	35.2	37.1	37.3	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 12000	27.1	29.8	33.8	35.4	37.2	37.8	38.0	38.4	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 10000	28.4	31.5	35.7	37.3	39.1	39.9	40.1	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 9000	29.3	32.3	37.1	38.5	40.3	41.1	41.3	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000	31.5	33.1	39.2	40.9	42.8	43.7	44.0	44.6	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 7000	33.2	33.8	42.9	44.7	47.2	47.9	48.3	48.9	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 6000	35.2	39.1	43.9	45.8	48.1	49.0	49.4	50.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 5000	39.2	42.2	46.4	48.9	51.2	52.2	52.7	53.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 4500	39.4	43.8	48.2	50.8	53.1	54.2	54.6	55.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 4000	43.4	47.9	52.8	55.5	57.9	59.0	59.4	60.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	48.1	52.8	57.5	61.0	63.6	64.7	65.2	66.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3000	54.5	59.7	65.7	69.2	71.9	72.1	73.6	74.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 2500	61.1	67.2	74.6	78.5	81.3	82.8	83.4	84.3	85.3	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	63.9	71.3	78.5	83.1	85.1	87.6	88.2	89.2	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1800	72.3	71.7	79.9	84.5	87.4	89.0	89.6	90.7	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	77.5	75.5	82.8	87.5	89.4	92.0	93.1	94.3	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	83.3	75.5	83.9	88.7	91.6	93.7	94.4	95.8	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	88.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	89.9	76.3	84.7	89.4	92.4	94.6	95.3	96.6	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 890

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GER 1. Y 4AF

62-67,69-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0.2	≥0.1
NO CEILING		21.9	24.7	25.8	26.2	28.0	28.7	29.0	29.4	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 20000		28.0	31.5	34.1	36.6	38.4	39.1	39.8	40.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 18000		28.0	31.5	34.1	36.6	38.4	39.1	39.8	40.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 16000		28.0	31.5	34.1	36.6	38.4	39.1	39.8	40.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 14000		28.0	31.5	34.4	36.9	38.7	39.4	40.1	40.8	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 12000		29.4	33.0	35.1	38.0	39.8	40.5	41.2	41.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 10000		30.1	34.1	36.6	39.1	40.9	41.6	42.2	42.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 9000		31.0	34.4	36.9	39.4	41.2	41.9	42.7	43.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 8000		34.1	36.4	40.9	43.4	45.2	45.9	46.6	47.3	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 7000		35.9	41.6	44.4	47.3	49.8	50.9	51.5	52.3	54.1	54.8	54.8	54.8	55.2	55.2	55.2
IV 6000		34.1	43.0	46.2	49.1	51.6	52.7	53.4	54.1	56.3	57.0	57.0	57.0	57.3	57.3	57.3
IV 5000		40.9	46.6	49.8	52.7	53.2	56.3	57.3	58.1	60.6	61.3	61.3	61.3	61.6	61.6	61.6
IV 4500		41.6	47.3	50.9	53.4	55.9	57.0	58.1	58.8	61.3	62.0	62.0	62.0	62.4	62.4	62.4
IV 4000		44.8	51.5	54.5	57.7	60.6	61.6	63.1	63.8	66.3	67.0	67.0	67.0	67.4	67.4	67.4
IV 3500		49.1	56.6	60.2	64.5	67.4	68.3	69.9	71.0	73.5	74.2	74.2	74.2	74.6	74.6	74.6
IV 3000		54.1	62.0	65.9	70.6	74.2	75.2	77.1	78.1	81.4	82.1	82.1	82.1	82.4	82.4	82.4
IV 2500		59.8	67.7	72.3	77.4	81.0	82.1	83.9	84.9	88.3	89.2	89.2	89.2	89.6	89.6	89.6
IV 2000		61.2	68.8	74.4	79.9	83.3	84.6	86.4	87.3	91.6	92.3	92.3	92.3	92.8	92.8	92.8
IV 1800		60.6	69.2	74.9	80.3	83.9	84.9	86.7	87.8	92.1	92.8	92.8	92.8	93.2	93.2	93.2
IV 1500		62.0	70.6	76.7	82.4	86.0	88.2	90.0	91.0	95.3	96.1	96.1	96.1	96.4	96.4	96.4
IV 1200		62.0	70.6	77.1	82.8	86.4	88.9	90.7	91.8	96.1	96.8	96.8	96.8	97.1	97.1	97.1
IV 1000		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 900		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 800		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 700		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 600		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 500		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 400		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 300		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 200		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 100		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6
IV 0		63.1	71.7	78.1	83.9	87.5	90.0	92.1	93.2	97.5	98.2	98.2	98.2	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 279

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34970
STATION

BAD KREUZNACH AIRFIELD AAF

60-65

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0100-0500

CEILING FEET	VISIBILITY STATE MILE															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	15.4	21.5	22.3	23.1	23.8	27.7	29.2	29.2	29.2	29.2	29.2	30.0	30.0	30.0	30.0	
≥ 20000	16.9	23.3	25.4	26.2	26.9	31.5	33.1	33.1	33.1	33.1	33.8	34.6	35.4	35.4	35.4	
IV 18000	16.9	23.3	25.4	26.2	26.9	31.5	33.1	33.1	33.1	33.1	33.8	34.6	35.4	35.4	35.4	
IV 16000	16.9	23.3	25.4	26.2	26.9	31.5	33.1	33.1	33.1	33.1	33.8	34.6	35.4	35.4	35.4	
IV 14000	16.9	23.3	25.4	26.2	26.9	31.5	33.1	33.1	33.1	33.1	33.8	34.6	35.4	35.4	35.4	
IV 12000	17.7	24.6	26.9	27.7	28.5	33.8	35.4	35.4	35.4	35.4	36.2	36.9	37.7	37.7	37.7	
IV 10000	18.5	25.4	29.2	30.0	31.5	36.9	38.5	38.5	38.5	39.2	40.0	40.8	41.5	41.5	41.5	
IV 9000	21.5	29.2	33.1	34.6	36.2	41.5	43.1	43.1	43.1	43.8	44.6	45.4	46.2	46.2	46.2	
IV 8000	23.1	31.5	35.4	36.9	39.2	45.4	46.9	46.9	46.9	47.7	49.2	50.0	50.8	50.8	50.8	
IV 7000	25.4	34.6	40.0	41.5	44.6	50.8	52.3	52.3	53.1	53.8	55.4	56.2	56.9	56.9	56.9	
IV 6000	25.4	34.6	40.0	41.5	44.6	50.8	52.3	52.3	53.1	53.8	55.4	56.2	56.9	56.9	56.9	
IV 5000	29.2	39.2	45.4	47.7	50.8	57.7	60.0	60.0	60.8	61.5	62.3	63.8	64.6	64.6	64.6	
IV 4500	31.5	41.5	47.7	50.0	53.1	60.0	62.3	62.3	63.1	63.8	65.4	66.2	66.9	66.9	66.9	
IV 4000	33.1	45.4	51.5	55.4	58.5	65.4	67.7	67.7	68.5	69.2	70.8	71.5	72.3	72.3	72.3	
IV 3500	36.9	46.5	54.6	58.5	62.3	69.2	71.5	71.5	72.3	73.1	74.6	75.4	76.2	76.2	76.2	
IV 3000	39.2	51.5	58.5	62.3	66.9	75.4	77.7	77.7	78.5	79.2	80.8	81.5	82.3	82.3	82.3	
IV 2500	40.0	55.4	65.4	70.8	75.4	84.6	86.9	87.7	88.5	89.2	90.8	91.5	92.3	92.3	92.3	
IV 2000	40.0	56.9	66.9	72.3	76.9	86.9	89.2	90.0	90.8	91.5	93.1	93.8	94.6	94.6	94.6	
IV 1800	40.8	57.7	67.7	73.1	77.7	87.7	90.0	90.8	92.3	93.1	94.6	95.4	96.2	96.2	96.2	
IV 1500	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 1200	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 1000	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 900	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 800	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 700	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 600	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 500	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 400	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 300	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 200	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 100	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	97.7	
IV 0	40.8	57.7	67.7	73.1	77.7	88.5	91.5	92.3	93.8	94.6	96.2	96.9	97.7	97.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 130

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/ AC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMANIA AFB

60-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

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		19.4	22.8	25.4	27.2	27.8	29.8	30.1	30.4	30.9	31.0	31.0	31.2	31.4	31.4	31.4
≥ 20000		23.7	27.8	31.0	33.5	35.0	37.5	38.1	38.6	39.2	39.2	39.3	39.5	39.8	39.8	39.8
IV 18000		23.7	27.8	31.0	33.5	35.0	37.5	38.1	38.6	39.2	39.3	39.3	39.5	39.8	39.8	39.8
IV 16000		23.7	27.8	31.0	33.5	35.0	37.5	38.1	38.6	39.2	39.3	39.3	39.5	39.8	39.8	39.8
IV 14000		23.7	27.8	31.1	33.6	35.1	37.6	38.2	38.8	39.3	39.4	39.4	39.6	39.9	39.9	39.9
IV 12000		23.8	27.9	31.2	33.7	35.2	37.7	38.3	38.9	39.4	39.5	39.5	39.7	40.0	40.0	40.0
IV 10000		24.9	29.2	32.8	35.7	37.4	39.9	40.6	41.1	41.7	41.8	41.8	42.0	42.6	42.6	42.6
IV 9000		26.8	31.3	35.3	38.3	40.0	42.6	43.4	44.0	44.6	44.7	44.7	45.0	45.6	45.6	45.6
IV 8000		31.6	37.8	43.1	46.3	48.7	51.7	52.5	53.2	53.8	53.9	54.0	54.5	55.1	55.1	55.1
IV 7000		33.6	40.0	45.9	49.2	51.6	55.3	56.5	57.3	57.9	58.0	58.1	58.6	59.2	59.2	59.2
IV 6000		34.2	41.0	47.8	50.9	53.3	57.1	58.2	59.0	59.6	59.7	59.8	60.3	60.9	60.9	60.9
IV 5000		36.0	43.2	50.8	54.9	57.5	61.7	62.9	63.7	64.4	64.5	64.6	65.0	65.8	65.8	65.9
IV 4500		36.9	44.2	52.1	56.4	59.0	63.3	64.5	65.3	66.0	66.1	66.2	66.6	67.4	67.4	67.5
IV 4000		39.4	46.9	55.9	60.9	63.8	68.4	69.6	70.5	71.2	71.3	71.4	71.8	72.6	72.6	72.7
IV 3500		42.5	50.3	60.1	65.4	68.5	73.5	74.8	75.7	76.3	76.4	76.5	77.0	77.7	77.7	77.8
IV 3000		46.4	55.1	65.4	71.0	74.5	79.9	81.4	82.5	83.1	83.2	83.3	83.7	84.5	84.5	84.7
IV 2500		49.9	59.1	70.4	76.4	80.5	86.1	87.8	88.9	89.6	89.7	89.8	90.2	91.0	91.0	91.2
IV 2000		51.0	60.4	71.9	78.2	82.3	88.4	90.3	91.4	92.0	92.1	92.2	92.7	93.4	93.4	93.6
IV 1800		51.8	61.1	72.9	79.3	83.4	89.5	91.4	92.5	93.1	93.2	93.3	93.8	94.5	94.5	94.7
IV 1500		52.1	61.6	73.3	80.2	84.5	90.9	92.8	93.9	94.6	94.7	94.8	95.3	96.0	96.0	96.2
IV 1200		52.5	62.0	73.8	80.7	85.0	91.8	93.8	94.9	95.7	95.8	95.9	96.3	97.1	97.1	97.3
IV 1000		52.6	62.1	74.0	80.8	85.1	92.0	94.1	95.4	96.1	96.2	96.4	96.9	97.5	97.8	98.1
IV 900		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.4	96.6	97.2	97.8	98.0	98.2
IV 800		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.7	97.3	98.1	98.3	98.5
IV 700		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.4	98.2	98.4	98.7
IV 600		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.5	98.3	98.5	98.7
IV 500		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.5	98.3	98.5	98.7
IV 400		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.5	98.3	98.5	98.7
IV 300		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.5	98.3	98.5	98.8
IV 200		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.5	98.3	98.5	98.8
IV 100		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.5	98.3	98.5	98.8
IV 0		52.6	62.1	74.0	80.8	85.1	92.1	94.2	95.5	96.2	96.6	96.8	97.5	98.3	98.5	98.8

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ IAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMANY AAF

60-72

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

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	
NO CEILING		19.2	21.6	25.9	27.2	28.6	30.0	30.4	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 20000		25.1	28.8	34.2	35.8	37.6	39.4	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000		25.1	28.8	34.2	35.8	37.6	39.4	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 16000		25.1	28.8	34.2	35.8	37.6	39.4	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 14000		25.1	28.8	34.2	35.8	37.6	39.4	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000		25.9	29.5	34.9	36.5	38.4	40.2	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 10000		25.9	31.5	36.9	38.1	40.0	42.1	42.6	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9
≥ 9000		28.2	32.5	38.3	39.9	41.9	44.1	44.6	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9
≥ 8000		32.3	37.2	43.8	45.7	47.8	50.2	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000		34.7	39.7	46.7	48.6	51.0	53.8	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1
≥ 6000		35.5	40.7	47.6	49.5	52.2	55.0	55.9	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3
≥ 5000		35.2	43.6	51.2	53.5	56.4	59.3	60.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6
≥ 4500		39.2	44.7	52.6	55.0	57.8	60.9	61.8	61.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4000		42.5	48.6	57.1	59.7	62.6	66.2	67.2	67.3	67.4	67.5	67.6	67.6	67.6	67.6	67.6
≥ 3500		45.5	51.9	61.0	63.7	66.7	70.8	71.7	71.8	72.1	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000		52.6	60.3	70.0	72.9	76.1	80.1	81.4	81.6	82.1	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2500		58.1	66.9	77.8	80.9	84.2	88.5	90.0	90.2	91.0	91.4	91.5	91.6	91.6	91.6	91.6
≥ 2000		59.6	68.6	79.5	83.0	86.4	91.0	92.5	92.7	93.6	94.0	94.1	94.2	94.4	94.4	94.4
≥ 1800		59.9	69.3	80.5	83.9	87.4	91.9	93.5	93.7	94.5	95.0	95.1	95.2	95.4	95.4	95.4
≥ 1500		61.0	70.3	81.8	85.2	88.6	93.2	94.7	95.0	95.8	96.2	96.3	96.4	96.7	96.7	96.7
≥ 1200		61.9	71.3	82.8	86.1	89.7	94.3	96.1	96.3	97.2	97.6	97.7	97.8	98.1	98.1	98.1
≥ 1000		61.9	71.5	83.1	86.6	90.3	95.2	96.7	97.2	98.0	98.4	98.5	98.6	98.9	98.9	98.9
≥ 900		61.9	71.5	83.2	86.6	90.4	95.3	97.0	97.4	98.2	98.6	98.7	98.8	99.2	99.2	99.2
≥ 800		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 700		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 600		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 500		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 400		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 300		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 200		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 100		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6
≥ 0		62.1	71.8	83.5	87.1	90.7	95.6	97.4	97.8	98.6	99.1	99.2	99.3	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 951

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GER AFW 4AF
STATION NAME

60-70
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
TIME PERIOD

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	
NO CEILING		21.0	21.3	23.1	22.7	23.9	24.2	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 20000		27.2	29.0	32.6	33.2	33.4	34.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 18000		27.2	29.0	32.6	33.2	33.4	34.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 16000		27.2	29.0	32.6	33.2	33.4	34.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 14000		27.2	29.0	32.6	33.2	33.4	34.0	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 12000		27.8	29.7	33.2	33.9	34.1	34.6	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 10000		29.7	31.6	35.3	36.0	36.3	36.8	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 9000		31.8	33.8	37.6	38.4	38.6	39.3	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 8000		36.1	38.4	42.3	43.5	43.7	44.5	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 7000		38.1	40.4	44.7	45.7	45.9	46.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 6000		39.4	41.7	46.1	47.1	47.3	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 5000		42.6	43.0	47.6	48.7	48.9	49.8	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 4500		42.4	44.9	49.9	51.0	51.2	52.1	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 4000		46.9	49.6	55.3	56.5	56.7	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500		51.8	55.5	61.9	63.2	63.5	64.4	64.9	64.9	65.0	65.2	65.2	65.2	65.2	65.2
≥ 3000		63.9	68.0	74.6	75.9	76.5	77.5	78.0	78.0	78.1	78.4	78.4	78.4	78.4	78.4
≥ 2500		74.1	79.1	86.1	87.4	88.1	89.1	89.7	89.7	89.7	90.2	90.2	90.2	90.2	90.2
≥ 2000		76.9	82.1	90.0	91.6	92.2	93.4	94.0	94.0	94.4	94.6	94.6	94.6	94.6	94.6
≥ 1800		78.0	83.2	91.1	92.7	93.4	94.6	95.2	95.2	95.6	95.8	95.8	95.8	95.8	95.8
≥ 1500		79.5	85.2	93.3	95.0	95.7	97.2	97.8	97.8	98.2	98.4	98.4	98.4	98.4	98.4
≥ 1200		80.1	85.9	94.0	95.8	96.4	98.2	98.8	98.8	99.1	99.4	99.4	99.4	99.4	99.4
≥ 1000		80.4	86.3	94.4	96.1	96.8	98.5	99.1	99.1	99.5	99.7	99.7	99.7	99.7	99.7
≥ 900		80.5	86.4	94.5	96.2	96.9	98.6	99.2	99.2	99.6	99.8	99.8	99.8	99.8	99.8
≥ 800		80.5	86.4	94.5	96.2	97.0	98.7	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 700		80.5	86.4	94.5	96.2	97.0	98.7	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 600		80.5	86.4	94.5	96.2	97.0	98.7	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 500		80.5	86.4	94.5	96.2	97.0	98.8	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 400		80.5	86.4	94.5	96.2	97.0	98.8	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 300		80.5	86.4	94.5	96.2	97.0	98.8	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200		80.5	86.4	94.5	96.2	97.0	98.8	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100		80.5	86.4	94.5	96.2	97.0	98.8	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0		80.5	86.4	94.5	96.2	97.0	98.8	99.5	99.5	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 924

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH FORMALY AAF

60-70

APR

PERCENTAGE FREQUENCY OF OCCURENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.02	≥0
NO CEILING		24.5	25.1	25.7	26.0	26.0	26.0	26.0	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 20000		34.5	35.8	37.3	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 18000		34.5	35.8	37.3	37.6	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 16000		34.6	35.9	37.4	37.7	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 14000		34.6	35.9	37.4	37.7	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 12000		35.0	36.4	37.8	38.2	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 10000		37.5	39.0	40.4	40.8	40.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 9000		38.5	40.1	41.9	42.2	42.3	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 8000		42.2	43.9	45.9	46.3	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 7000		43.3	47.3	49.4	49.9	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 6000		46.8	49.1	51.4	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 5000		49.1	51.7	53.9	54.4	54.5	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 4500		51.2	53.9	56.2	56.6	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 4000		57.1	60.1	62.5	63.1	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 3500		63.6	67.6	70.6	71.2	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3000		73.8	78.3	81.9	82.5	82.7	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2500		81.9	87.0	90.9	91.7	91.8	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000		83.8	89.3	93.4	94.1	94.3	94.8	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800		84.8	90.3	94.4	95.2	95.3	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500		86.5	92.5	96.5	97.5	97.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200		88.5	92.5	96.5	97.5	97.6	98.6	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		87.3	93.2	97.3	98.3	98.4	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 888

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 84070

STATION NAME
 BAD KREUZNACH GERMANY AAF

YEAR
 60-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING																
≥ 20000	29.6	30.8	32.0	32.2	32.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 18000	39.3	41.4	43.2	43.8	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 16000	39.3	41.4	43.2	43.8	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 14000	39.6	41.7	43.5	44.1	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	39.6	41.7	43.5	44.1	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	42.9	45.3	47.0	47.6	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 9000	44.4	46.7	48.8	49.4	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 8000	47.3	49.7	52.4	53.3	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 7000	49.1	51.5	54.1	55.0	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 6000	52.1	54.4	57.1	58.0	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 5000	54.1	56.5	59.2	60.1	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 4500	55.6	58.3	60.9	61.8	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4000	61.2	64.2	67.2	68.3	68.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3 000	69.5	72.5	76.0	77.5	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	76.3	79.3	83.1	84.6	86.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	81.7	85.2	89.1	90.8	92.6	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2000	84.0	87.6	91.4	93.3	95.9	96.4	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	84.3	87.9	91.7	93.8	96.2	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	85.8	89.3	93.2	95.3	97.6	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	86.7	90.2	94.1	96.2	98.5	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	87.0	90.5	94.4	96.4	98.8	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 338

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME

60 YEAR

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	
NO CEILING		63.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000		73.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 18000		73.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 16000		73.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 14000		73.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 12000		73.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 10000		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 9000		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 8000		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 7000		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 6000		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 5000		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4500		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 4000		84.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 3500		84.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3000		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ J		84.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 19

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-64,66

YEARS

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

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
NO CEILING		24.2	31.3	37.5	39.1	39.1	40.6	41.4	41.4	41.4	42.2	43.0	44.5	44.5	44.5	44.5
IV 20000		28.1	36.7	44.5	46.9	46.9	49.2	50.0	50.0	50.0	50.8	51.6	53.1	53.1	53.1	53.1
IV 18000		28.1	36.7	44.5	46.9	46.9	49.2	50.0	50.0	50.0	50.8	51.6	53.1	53.1	53.1	53.1
IV 16000		28.1	36.7	44.5	46.9	46.9	49.2	50.0	50.0	50.0	50.8	51.6	53.1	53.1	53.1	53.1
IV 14000		28.1	37.5	45.3	47.7	47.7	50.0	50.8	50.8	50.8	51.6	52.3	53.9	53.9	53.9	53.9
IV 12000		28.1	37.5	45.3	47.7	47.7	50.0	50.8	50.8	50.8	51.6	52.3	53.9	53.9	53.9	53.9
IV 10000		28.9	39.1	47.7	50.0	50.0	52.3	53.1	53.1	53.1	53.9	54.7	56.3	56.3	56.3	56.3
IV 9000		29.7	39.8	49.2	51.6	51.6	54.7	55.5	55.5	55.5	56.3	57.0	58.6	58.6	58.6	58.6
IV 8000		33.6	43.8	53.9	57.8	57.8	60.9	61.7	61.7	61.7	62.5	63.3	64.8	64.8	64.8	64.8
IV 7000		35.9	46.1	57.0	62.5	62.5	65.6	66.4	66.4	66.4	67.2	68.0	69.5	69.5	69.5	69.5
IV 6000		35.9	46.9	58.6	64.1	64.1	67.2	68.0	68.0	68.0	68.8	69.5	71.1	71.1	71.1	71.1
IV 5000		37.5	50.8	62.5	68.0	68.0	71.1	71.9	71.9	71.9	72.7	73.4	75.0	75.0	75.0	75.0
IV 4500		38.3	51.6	63.3	68.8	68.8	71.9	72.7	72.7	72.7	73.4	74.2	75.8	75.8	75.8	75.8
IV 4000		39.8	55.5	69.5	75.0	75.0	78.9	79.7	79.7	80.5	81.3	82.0	83.6	83.6	83.6	83.6
IV 3500		42.2	57.8	71.9	78.1	78.1	82.0	82.8	82.8	83.6	84.4	85.2	86.7	86.7	86.7	86.7
IV 3000		46.1	61.7	75.8	82.0	82.0	85.9	86.7	86.7	87.5	88.3	89.1	90.6	90.6	90.6	90.6
IV 2500		49.2	65.6	80.5	86.7	86.7	90.6	93.0	93.0	93.8	94.5	95.3	96.9	96.9	96.9	96.9
IV 2000		49.2	65.6	81.3	87.5	87.5	91.4	93.8	93.8	94.5	95.3	96.1	97.7	97.7	97.7	97.7
IV 1800		50.0	66.4	82.0	88.3	88.3	92.2	94.5	94.5	95.3	96.1	96.9	98.4	98.4	98.4	98.4
IV 1500		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 1200		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 1000		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 900		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 800		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 700		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 600		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 500		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 400		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 300		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 200		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 100		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2
IV 0		50.8	67.2	82.8	89.1	89.1	93.0	95.3	95.3	96.1	96.9	97.7	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 126

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24070 BAD KREUZNACH GERMANY AAF

60=70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600=0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	
NO CEILING		21.6	26.0	29.7	31.8	32.4	34.3	34.9	34.9	35.1	35.2	35.2	35.3	35.6	35.6	35.8
≥ 20000		27.2	32.6	37.4	39.5	42.3	43.0	43.6	43.8	44.2	44.4	44.4	44.7	45.0	45.0	45.2
IV 18000		27.2	32.6	37.4	39.5	40.3	43.0	43.6	43.8	44.2	44.4	44.4	44.7	45.0	45.0	45.2
IV 16000		27.2	32.6	37.4	39.5	40.3	43.0	43.6	43.8	44.2	44.4	44.4	44.7	45.0	45.0	45.2
IV 14000		27.3	32.7	37.5	39.6	40.5	43.2	44.0	44.1	44.5	44.7	44.7	45.0	45.3	45.3	45.6
IV 12000		27.6	33.3	38.0	40.1	41.0	43.9	44.5	44.6	45.0	45.2	45.2	45.6	45.9	45.9	46.1
IV 10000		29.4	35.7	40.5	42.6	43.5	46.4	47.0	47.1	47.7	47.9	47.9	48.2	48.5	48.5	48.7
IV 9000		31.7	38.2	43.2	45.2	46.3	49.2	49.9	50.1	50.6	50.8	50.8	51.2	51.5	51.5	51.7
IV 8000		37.5	45.6	51.5	53.7	55.0	58.4	59.1	59.5	60.2	60.4	60.4	60.7	61.0	61.0	61.2
IV 7000		41.9	51.1	59.2	61.5	63.0	66.7	67.6	68.0	68.8	69.0	69.0	69.3	69.6	69.6	69.8
IV 6000		43.5	53.0	61.3	63.7	65.1	68.9	69.7	70.1	70.9	71.1	71.1	71.4	71.7	71.7	71.9
IV 5000		47.2	57.3	65.8	68.2	69.7	73.4	74.3	76.7	75.4	75.6	75.6	76.0	76.3	76.3	76.5
IV 4500		48.2	58.6	67.1	69.6	71.2	75.0	76.0	76.4	77.1	77.3	77.3	77.6	78.0	78.0	78.2
IV 4000		50.2	61.1	70.2	73.0	74.5	79.0	80.1	80.5	81.3	81.3	81.5	81.8	82.1	82.1	82.3
IV 3500		52.4	63.3	72.9	76.0	77.9	82.2	83.4	83.8	84.5	84.7	84.7	85.1	85.4	85.4	85.6
IV 3000		54.6	65.6	75.4	78.9	80.8	85.2	86.4	86.9	87.6	87.8	87.8	88.1	88.5	88.5	88.7
IV 2500		58.3	69.7	79.7	83.2	85.2	89.7	90.9	91.5	92.6	92.8	92.8	93.1	93.4	93.4	93.6
IV 2000		59.2	70.7	81.0	84.6	86.7	91.4	92.7	93.4	94.7	94.9	94.9	95.2	95.6	95.6	95.8
IV 1800		59.6	71.1	81.5	85.1	87.1	91.8	93.1	93.9	95.1	95.3	95.3	95.7	96.0	96.0	96.2
IV 1500		60.4	71.9	82.4	86.0	88.0	92.8	94.1	95.0	96.6	96.8	96.8	97.1	97.5	97.5	97.7
IV 1200		60.9	72.5	82.9	86.5	88.6	93.3	94.5	95.8	97.6	97.9	97.9	98.2	98.5	98.5	98.7
IV 1000		61.2	72.8	83.5	87.1	89.1	93.9	95.2	96.3	98.2	98.5	98.5	98.8	99.2	99.2	99.4
IV 900		61.2	72.8	83.5	87.1	89.1	93.9	95.3	96.3	98.2	98.5	98.5	98.8	99.2	99.2	99.4
IV 800		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 700		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 600		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 500		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 400		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 300		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 200		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 100		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5
IV 0		61.2	72.8	83.6	87.2	89.2	94.0	95.4	96.4	98.3	98.6	98.6	98.9	99.3	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS 944

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME

60-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1/2	≥1/2	≥0
NO CEILING		23.0	25.8	27.2	28.6	29.6	30.0	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000		33.4	37.2	39.0	40.8	41.7	42.3	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 18000		33.4	37.2	39.0	40.8	41.7	42.3	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 16000		33.4	37.2	39.0	40.8	41.7	42.3	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 14000		33.4	37.2	39.0	40.8	41.7	42.3	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 12000		33.8	37.7	39.5	41.3	42.2	42.8	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
IV 10000		35.9	40.2	42.7	44.6	45.6	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 9000		38.0	42.4	44.9	46.7	47.9	48.6	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 8000		43.5	48.5	51.7	53.9	54.9	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 7000		47.3	52.4	57.1	59.4	60.6	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 6000		48.7	53.9	58.5	60.8	62.2	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 5000		51.5	57.1	61.7	64.1	65.3	66.2	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 4500		52.5	58.4	63.0	65.4	66.9	67.8	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4000		54.6	61.2	66.2	68.7	70.1	71.1	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 3500		60.2	66.9	72.1	74.8	76.3	77.3	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3000		66.5	73.5	79.3	82.0	83.7	84.7	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 2500		71.9	79.4	86.0	88.7	90.7	91.7	92.3	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 2000		73.4	80.9	87.5	90.3	92.3	93.3	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 1800		74.2	81.7	88.3	91.1	93.1	94.1	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1500		75.7	83.2	89.9	92.8	94.8	95.8	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 1200		76.8	84.4	91.1	94.1	96.1	97.2	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000		77.1	84.7	91.5	94.7	96.7	97.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900		77.1	84.7	91.5	94.7	96.7	97.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800		77.1	84.7	91.5	94.7	96.7	97.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700		77.1	84.7	91.5	94.7	96.7	97.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600		77.1	84.7	91.5	94.7	96.7	97.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500		77.1	84.7	91.5	94.7	96.7	97.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		77.1	84.7	91.5	94.7	96.7	97.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		77.1	84.7	91.5	94.7	96.7	97.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		77.1	84.7	91.5	94.7	96.7	97.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		77.1	84.7	91.5	94.7	96.7	97.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		77.1	84.7	91.5	94.7	96.7	97.7	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 957

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEAR

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	23.4	24.1	25.3	25.7	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
IV 20000	33.9	36.9	38.1	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 18000	35.9	36.9	38.1	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 16000	35.9	36.9	38.1	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 14000	36.3	37.3	38.6	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
IV 12000	36.6	37.6	38.9	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IV 10000	38.6	39.5	40.9	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 9000	40.5	41.6	42.9	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 8000	45.7	46.8	48.5	49.0	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 7000	49.9	51.3	53.5	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000	51.5	53.0	55.3	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 5000	54.0	55.8	58.1	58.8	58.8	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 4500	55.9	57.8	60.1	60.8	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 4000	61.0	63.4	66.0	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 3500	67.4	69.8	72.6	73.3	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3000	77.6	80.3	83.4	84.2	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2500	85.6	89.5	93.1	93.8	93.8	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 2000	87.3	91.3	95.0	95.7	95.7	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	88.2	92.3	96.0	96.8	96.8	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	89.7	93.8	97.5	98.3	98.3	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	89.9	93.9	97.6	98.7	98.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	89.9	93.9	97.6	98.7	98.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	90.0	94.0	97.8	98.8	98.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMANY AAF

60-70

MAY

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	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING		26.1	26.9	27.1	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 20000	44.5	45.5	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 18000	44.5	45.5	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 16000	44.5	45.5	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	44.5	45.5	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 12000	45.3	46.5	46.7	47.1	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 10000	48.2	49.2	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	50.3	51.3	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 8000	57.0	58.0	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 7000	61.8	63.1	63.6	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 6000	63.8	65.1	65.6	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000	66.8	68.3	68.9	69.2	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4500	70.3	72.0	72.5	72.9	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 4000	74.1	75.7	76.9	77.2	77.2	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	79.6	81.4	82.6	82.9	82.9	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 3000	84.6	86.8	88.5	88.9	88.9	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 2500	90.7	93.8	95.8	96.5	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 2000	92.0	95.2	97.3	98.0	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1800	92.5	95.8	97.9	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1500	92.7	96.0	98.1	98.8	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1200	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0	93.1	96.5	98.7	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 903

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREJZNACH GERMANY AAF

69-70

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	
NO CEILING																	
≥ 20000	48.1	49.3	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 18000	48.1	49.3	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 16000	48.1	49.3	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 14000	48.7	49.9	50.4	50.4	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000	49.0	50.1	50.7	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 10000	52.2	53.4	54.0	54.0	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 9000	55.5	56.7	57.3	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 8000	60.8	62.6	63.2	63.2	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 7000	68.5	70.6	71.2	71.2	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 6000	70.9	73.0	73.6	73.6	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 5000	73.3	75.4	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4500	76.3	78.3	78.9	78.9	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 4000	79.5	82.2	82.1	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 3500	81.9	84.9	85.8	86.1	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 3000	87.2	90.5	92.3	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2500	90.2	94.1	96.1	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2000	90.5	94.4	96.4	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1800	90.5	94.4	96.4	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	91.1	95.3	97.3	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200	91.1	95.5	97.6	98.5	93.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	91.7	96.1	98.2	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	91.7	96.1	98.2	99.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 237

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-64

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.02	≥.01
NO CEILING		30.5	37.5	41.4	45.2	46.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 20000		39.1	47.7	53.1	57.0	57.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 18000		39.1	47.7	53.1	57.0	57.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 16000		39.1	47.7	53.1	57.0	57.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 14000		39.1	47.7	53.1	57.0	57.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 12000		39.1	48.4	53.9	57.8	58.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000		39.1	46.4	53.9	56.8	59.4	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 9000		41.4	50.8	57.0	61.7	63.3	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 8000		43.0	53.9	60.9	65.6	67.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 7000		43.8	54.7	62.5	69.5	71.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 6000		44.5	56.3	64.8	71.9	73.4	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 5000		46.1	58.6	67.2	74.2	75.8	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 4500		46.9	59.4	68.0	75.0	76.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4000		51.6	65.6	74.2	82.0	83.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500		51.6	66.4	75.0	82.8	84.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000		54.7	69.5	78.1	85.9	87.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 2500		57.8	73.4	82.0	89.8	91.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000		57.8	73.4	82.0	90.6	92.2	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1800		57.8	73.4	82.0	90.6	92.2	96.9	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 1500		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 300		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 100		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 0		58.6	74.2	82.8	92.2	93.8	98.4	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 128

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070

BAD KREUZNACH, GERMANY AAF

6070

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	≥3	24	≥3	24	24	24	24	24	24	24	24	24	24	24
NO CEILING	27.5	32.3	36.1	41.4	43.4	44.1	44.4	44.7	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9
≥ 4000	34.2	39.3	46.1	50.1	52.4	53.7	54.4	54.9	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.3
IV 18000	34.2	39.3	46.1	50.1	52.4	53.7	54.4	54.9	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.3
IV 16000	34.2	39.3	46.1	50.1	52.4	53.7	54.4	54.9	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.3
IV 14000	34.2	39.3	46.2	50.2	52.5	53.8	54.5	55.0	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.4
IV 12000	34.2	39.4	46.3	50.4	52.7	54.0	54.7	55.2	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.7
IV 10000	36.6	42.0	49.2	53.2	55.8	57.0	57.8	58.3	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.7
IV 9000	38.1	43.8	51.2	55.4	58.0	59.6	60.3	60.8	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.3
IV 8000	43.0	49.3	57.6	62.1	64.7	66.6	67.5	68.1	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.7
IV 7000	45.6	53.0	61.6	66.5	69.4	71.3	72.3	73.0	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.5
IV 6000	46.3	54.5	63.1	68.1	71.2	73.3	74.4	75.1	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.7
IV 5000	48.7	57.2	66.0	71.3	74.5	76.6	77.7	78.4	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.9
IV 4500	49.8	58.5	67.7	73.0	76.2	78.3	79.5	80.2	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.7
IV 4000	51.4	60.5	69.9	76.0	79.2	81.4	82.8	83.5	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.1
IV 3500	52.8	62.5	72.4	78.8	82.0	84.3	85.7	86.5	86.9	87.0	87.2	87.3	87.3	87.3	87.4	87.5
IV 3000	55.2	65.1	75.7	82.2	85.5	87.9	89.3	90.1	90.5	90.6	90.8	91.0	91.1	91.1	91.1	91.2
IV 2500	58.0	67.9	78.8	85.6	88.9	91.3	92.7	93.5	94.0	94.1	94.3	94.5	94.6	94.6	94.6	94.7
IV 2000	58.6	68.6	79.5	86.2	89.5	92.0	93.3	94.2	94.6	94.7	94.9	95.1	95.2	95.2	95.2	95.3
IV 1800	58.9	68.9	79.8	86.7	89.9	92.4	93.8	94.6	95.0	95.1	95.3	95.6	95.7	95.7	95.7	95.8
IV 1500	59.8	69.9	81.0	88.0	91.3	93.8	95.1	96.0	96.4	96.5	96.8	97.0	97.1	97.1	97.1	97.2
IV 1200	60.1	70.4	81.8	89.1	92.4	94.8	96.3	97.1	97.9	98.0	98.3	98.5	98.6	98.6	98.6	98.7
IV 1000	60.1	70.4	81.8	89.1	92.4	94.8	96.3	97.1	97.9	98.0	98.3	98.5	98.6	98.6	98.6	98.7
IV 900	60.1	70.4	81.8	89.1	92.4	94.8	96.3	97.1	97.9	98.0	98.3	98.5	98.6	98.6	98.6	98.7
IV 800	60.1	70.4	81.8	89.1	92.4	94.8	96.3	97.1	97.9	98.0	98.3	98.5	98.6	98.6	98.6	98.7
IV 700	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0
IV 600	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0
IV 500	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0
IV 400	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0
IV 300	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0
IV 200	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0
IV 100	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0
IV 0	60.1	70.6	82.0	89.3	92.6	95.0	96.5	97.4	98.1	98.2	98.5	98.8	98.9	98.9	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS. 945

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

69=70

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		31.4	35.8	39.6	40.3	40.9	41.0	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000		39.5	44.9	50.0	51.4	52.1	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 16000		39.5	44.9	50.0	51.4	52.1	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000		39.5	44.9	50.0	51.4	52.1	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 12000		39.6	45.0	50.1	51.5	52.2	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000		42.4	47.8	53.2	54.7	55.4	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 9000		43.3	48.8	54.8	56.4	57.2	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 8000		47.6	53.7	60.5	62.2	62.9	63.3	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 7000		49.6	55.7	62.7	64.3	65.1	65.5	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV 6000		50.6	57.0	63.9	65.6	66.3	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 5000		53.1	59.6	66.8	68.7	69.4	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500		54.1	60.5	67.9	69.9	70.7	71.1	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000		56.9	63.3	71.0	73.0	74.0	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3500		59.5	66.3	74.4	76.5	77.5	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3000		66.2	73.6	82.4	84.7	85.9	86.4	86.7	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2500		70.3	77.9	87.5	89.8	91.1	91.8	92.2	92.3	92.7	92.8	92.8	92.8	92.8	93.1	93.1
IV 2000		72.8	80.4	90.2	92.6	93.9	94.6	95.0	95.1	95.5	95.6	95.7	95.7	95.7	96.0	96.0
IV 1800		73.5	81.1	91.0	93.3	94.6	95.3	95.7	95.8	96.3	96.4	96.5	96.5	96.5	96.8	96.8
IV 1500		74.1	81.7	91.8	94.2	95.4	96.2	96.7	96.9	97.3	97.4	97.5	97.5	97.5	97.8	97.8
IV 1200		75.2	82.7	93.0	95.4	97.0	97.7	98.2	98.3	98.9	99.1	99.2	99.3	99.3	99.6	99.6
IV 1000		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 900		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 800		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 700		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 600		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 500		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 400		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 300		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 200		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 100		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0
IV 0		75.2	82.7	93.1	95.6	97.3	98.1	98.6	98.6	99.0	99.5	99.6	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 962

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

JUN

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	≥0	
NO CEILING		31.8	32.5	33.4	33.5	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 20000		42.9	44.3	45.4	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 18000		42.9	44.3	45.4	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000		42.9	44.3	45.4	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 14000		43.0	44.4	45.5	45.6	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 12000		43.0	44.6	45.5	45.9	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 10000		45.8	47.5	48.6	48.7	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 9000		47.2	49.2	50.3	50.4	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV 8000		52.1	54.4	55.8	55.9	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 7000		55.2	57.5	59.0	59.2	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 6000		56.9	59.2	60.8	61.0	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000		59.4	61.8	63.5	63.7	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 4500		60.5	62.8	64.6	64.9	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 4000		65.4	67.9	69.7	70.0	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 3500		65.4	72.1	73.9	74.1	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000		80.0	83.0	86.2	86.5	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2500		85.6	88.7	92.4	93.0	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000		87.8	91.0	94.8	95.5	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 1800		88.7	91.9	95.8	96.5	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1500		90.1	93.3	97.2	98.0	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 1200		90.8	93.9	97.9	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000		90.8	93.9	97.9	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900		90.8	93.9	97.9	98.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0		91.0	94.2	98.1	98.8	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 942

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

69-72

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 11	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ .5	≥ 0
NO CEILING		23.8	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000		43.8	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 18000		43.8	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 16000		44.1	44.7	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000		44.8	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 12000		47.4	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 10000		49.2	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 9000		56.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 8000		60.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 7000		62.9	63.9	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 6000		65.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 5000		67.2	68.2	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 4500		72.8	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 4000		77.5	78.5	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
IV 3500		84.8	86.3	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6
IV 3000		90.2	92.2	93.1	93.4	93.4	93.4	93.4	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6
IV 2500		93.2	95.3	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 2000		93.9	96.0	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
IV 1800		95.8	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1500		95.8	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200		95.8	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000		95.8	98.1	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IV 900		96.0	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 800		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 700		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 600		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 500		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 400		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 300		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 200		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 0		96.1	98.4	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 895

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KRUZNACH GERMANY AAF
STATION NAME

60=70
TIME

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
PERIOD

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		35.5	36.1	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 20000		52.8	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 18000		52.8	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 16000		52.8	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 14000		53.1	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 12000		53.4	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 10000		55.2	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 9000		57.1	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 8000		62.7	63.3	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 7000		66.7	67.6	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 6000		70.7	71.6	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 5000		73.5	74.4	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 4500		75.9	77.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 4000		79.9	81.2	82.1	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 3500		83.0	84.3	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 3000		86.7	89.2	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 2500		90.1	92.6	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 2000		91.7	94.1	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800		92.6	95.1	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 1500		93.8	96.3	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200		94.1	96.6	97.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1000		94.4	96.9	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 900		94.8	97.2	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 500		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 400		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 300		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 200		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 0		95.1	97.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 324

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZACH GERMANY AAF

69

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥.05
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 9000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 8000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 7000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 6000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 5000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 4500		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 4000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 3500		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 3000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 2500		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 2000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 900		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 1500		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 1200		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 1000		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 900		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 800		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 700		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 600		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 500		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 400		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 300		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 200		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 100		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
≥ 0		1.0	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNAU GEN. AFB STATION NAME

60-64469

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

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		25.8	31.7	33.2	34.1	37.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 20000		27.0	33.1	39.7	40.5	43.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 18000		27.8	33.1	39.7	40.5	43.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 16000		27.8	33.1	39.7	40.5	43.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 14000		27.8	33.1	39.7	40.5	43.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 12000		28.6	33.9	41.3	42.1	45.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 10000		31.0	42.9	46.0	46.8	50.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 9000		33.3	45.2	48.4	49.2	52.4	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 8000		37.3	50.0	54.0	54.8	58.7	62.7	63.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 7000		40.5	53.2	57.9	59.5	63.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 6000		42.1	54.8	59.5	61.1	65.1	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 5000		45.2	61.1	65.9	67.5	71.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4500		46.8	61.9	66.7	68.3	72.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 4000		54.8	71.4	76.2	77.8	81.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500		55.6	73.0	77.8	81.0	84.9	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 3000		57.9	75.2	81.7	84.9	88.9	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500		59.5	79.4	84.9	88.9	92.9	97.6	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800		60.3	81.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1200		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 700		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 500		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
IV 300		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
IV 200		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
IV 100		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
IV 0		60.3	80.2	85.7	89.7	93.7	98.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 126

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/14C

CEILING VERSUS VISIBILITY

34070 BAD KREUZ-AC-GERMANY AAF

60-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING		24.8	29.7	34.7	36.2	38.3	40.2	41.2	41.3	41.7	41.7	41.7	41.7	41.8	41.8	41.8
IV 20000		29.2	35.2	40.6	42.2	44.3	46.3	47.6	47.7	48.2	48.3	48.4	48.5	48.6	48.8	49.0
IV 18000		29.2	35.2	40.6	42.2	44.3	46.3	47.6	47.7	48.2	48.3	48.4	48.5	48.6	48.8	49.0
IV 16000		29.2	35.2	40.6	42.2	44.3	46.3	47.6	47.7	48.2	48.3	48.4	48.5	48.6	48.8	49.0
IV 14000		29.3	35.3	40.7	42.3	44.4	46.4	47.7	47.8	48.3	48.4	48.5	48.7	48.9	48.9	49.1
IV 12000		29.4	35.4	41.0	42.7	44.9	47.0	48.2	48.3	48.9	49.0	49.1	49.2	49.4	49.4	49.6
IV 10000		31.6	38.1	44.6	46.4	48.5	50.8	52.1	52.2	52.7	52.9	53.0	53.1	53.3	53.3	53.5
IV 9000		33.4	40.0	46.7	48.5	50.9	53.3	54.6	54.8	55.4	55.5	55.7	55.8	56.0	56.0	56.2
IV 8000		33.9	46.3	53.4	55.9	58.3	61.1	62.4	62.6	63.3	63.4	63.5	63.6	63.8	63.8	64.0
IV 7000		41.5	49.3	56.7	59.3	62.0	64.8	66.2	66.4	67.1	67.2	67.3	67.4	67.6	67.6	67.8
IV 6000		43.7	51.8	59.4	62.1	64.8	67.5	69.0	69.3	70.0	70.1	70.2	70.3	70.5	70.5	70.7
IV 5000		47.6	56.2	64.6	67.4	70.1	72.9	74.3	74.6	75.2	75.3	75.5	75.6	75.8	75.8	76.0
IV 4500		49.3	58.1	66.6	69.6	72.4	75.2	76.7	77.1	77.7	77.8	77.9	78.0	78.3	78.3	78.5
IV 4000		53.1	61.9	70.6	74.2	77.0	79.8	81.4	81.7	82.3	82.6	82.7	82.8	83.0	83.0	83.2
IV 3500		55.3	64.4	73.4	77.2	80.4	83.3	84.8	85.1	85.7	86.0	86.1	86.2	86.4	86.4	86.7
IV 3000		58.9	68.1	77.5	81.5	84.9	88.3	89.9	90.2	91.0	91.1	91.2	91.3	91.6	91.6	91.8
IV 2500		61.2	71.6	81.3	85.3	88.7	92.0	93.8	94.1	94.8	94.9	95.0	95.2	95.5	95.5	95.7
IV 2000		61.7	72.1	81.8	85.9	89.2	92.8	94.5	94.8	95.6	95.7	95.7	95.8	96.2	96.2	96.4
IV 1800		61.7	72.2	82.0	86.1	89.6	93.0	94.7	95.0	95.8	95.9	96.0	96.1	96.4	96.4	96.7
IV 1500		61.9	72.6	82.3	86.9	90.3	94.0	95.8	96.1	97.2	97.3	97.4	97.5	97.8	97.8	98.1
IV 1200		62.4	73.1	83.3	87.4	90.9	94.5	96.3	96.7	97.7	97.8	98.0	98.1	98.4	98.4	98.6
IV 1000		62.4	73.1	83.3	87.4	90.9	94.5	96.3	96.7	97.7	97.8	98.0	98.1	98.4	98.4	98.6
IV 900		62.4	73.1	83.3	87.4	90.9	94.5	96.3	96.7	97.7	97.8	98.0	98.1	98.4	98.4	98.6
IV 800		62.4	73.1	83.3	87.4	90.9	94.5	96.3	96.8	98.1	98.2	98.3	98.4	98.7	98.7	98.9
IV 700		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0
IV 600		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0
IV 500		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0
IV 400		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0
IV 300		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0
IV 200		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0
IV 100		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0
IV 0		62.4	73.2	83.4	87.5	91.0	94.6	96.4	96.9	98.2	98.3	98.4	98.5	98.8	98.8	99.0

TOTAL NUMBER OF OBSERVATIONS 929

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

24070
STATION

BAD KREUZNAACH GERMANY AAF
STATION NAME

60-72
YEAR

JUL
MONTH

PERCENTA FREQUENCY OF OCCURRENCE
 (FRO DAILY OBSERVATIONS)

0900-1100
TIME PERIOD

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.1	≥2	≥1.5	≥1.1	≥1	≥.8	≥.6	≥.5	≥.3	≥.2	≥.1	
NO CEILING																	
≥ 20000		29.7	32.0	35.2	37.5	37.9	38.3	38.3	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000		35.2	38.8	43.3	45.7	46.4	46.8	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 16000		35.2	38.8	43.3	45.7	46.4	46.8	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 14000		35.2	38.8	43.3	45.7	46.4	46.8	46.8	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000		35.7	39.3	44.0	46.3	47.3	47.5	47.7	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 10000		38.2	42.3	47.1	49.7	50.4	51.0	51.3	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000		40.0	44.2	49.2	51.9	52.6	53.2	53.6	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 8000		46.1	50.6	56.1	59.2	60.3	60.8	61.2	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 7000		48.5	53.2	59.1	62.3	63.3	63.8	64.3	64.4	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000		50.6	54.9	61.0	64.2	65.3	65.8	66.2	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 5000		53.3	58.3	64.6	67.9	69.0	69.5	69.9	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500		54.7	59.6	66.0	69.3	70.3	70.9	71.3	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000		59.1	64.2	70.9	74.2	75.4	76.0	76.4	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500		63.3	68.5	75.4	78.9	80.3	80.8	81.3	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3000		70.0	75.7	82.9	87.0	88.6	89.2	89.7	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2500		74.7	81.0	88.3	92.4	94.0	94.7	95.1	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 2000		75.2	81.6	88.9	93.0	94.6	95.3	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1800		75.4	81.8	89.1	93.2	94.9	95.7	96.1	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1500		75.8	82.2	89.9	94.2	95.9	96.7	97.2	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1200		75.6	83.1	90.8	95.0	96.7	97.6	98.1	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000		76.7	83.4	91.1	95.3	97.0	97.9	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900		76.7	83.4	91.1	95.3	97.0	97.9	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800		76.8	83.5	91.4	95.7	97.4	98.4	99.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0		76.9	83.6	91.5	95.8	97.5	98.5	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 944

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

00-70

YEAR

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
TIME PERIOD

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		22.8	31.2	31.6	31.7	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 20000		38.5	40.2	41.8	42.1	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 18000		38.6	40.3	41.9	42.2	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 16000		38.6	40.3	41.9	42.2	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 14000		38.6	40.3	41.9	42.2	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 12000		38.8	40.5	42.1	42.5	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 10000		41.2	43.2	44.9	45.2	45.4	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 9000		43.2	45.4	47.0	47.5	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 8000		48.2	51.7	52.4	52.8	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 7000		50.9	52.3	53.0	53.5	53.7	53.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 6000		51.5	54.1	55.9	56.2	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 5000		55.9	59.0	60.9	61.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 4500		58.4	61.6	63.6	64.0	64.2	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 4000		64.0	67.6	69.7	70.1	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500		69.9	73.6	76.0	76.6	76.8	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 3000		67.7	84.9	87.7	88.2	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2500		85.9	91.6	93.7	94.3	94.5	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2000		87.4	92.2	95.3	96.0	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1800		87.5	92.7	95.7	96.4	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 1500		88.1	92.9	96.0	96.7	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200		89.3	94.1	97.4	98.2	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1000		89.7	94.6	97.9	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900		89.7	94.6	97.9	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100		89.9	94.9	98.1	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0		90.0	95.0	98.2	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 914

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/14C

CEILING VERSUS VISIBILITY

STATION: 34070 BAD KREUZNACH GERMANY AAF

YEAR: 60-70

MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS, CST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.6	≥.5	≥0
NO CEILING																
≥ 20000	32.1	32.7	33.2	33.5	33.6	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
IV 18000	42.6	43.4	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 16000	42.6	43.4	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000	42.6	43.4	44.0	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 12000	42.7	43.5	44.1	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 10000	45.5	46.3	46.9	47.3	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 9000	43.0	43.4	43.9	44.3	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 8000	54.8	55.3	56.5	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 7900	57.2	58.2	59.0	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	58.8	61.2	61.0	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	63.0	64.7	65.8	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 4500	66.7	68.4	69.5	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4000	71.7	73.4	74.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 3500	78.1	79.8	81.4	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 3000	85.7	87.5	89.2	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 2500	90.6	93.2	94.9	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 2000	91.2	93.9	95.6	96.8	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1800	92.0	94.7	96.4	97.6	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 1500	92.3	95.0	96.9	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1200	92.9	95.6	97.4	98.6	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	93.2	96.1	98.1	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 862

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

36070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

61-70
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME PERIOD

NO. CEILING IV 20000 IV 18000 IV 16000 IV 14000 IV 12000 IV 10000 IV 9000 IV 8000 IV 7500 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	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING		32.6	33.2	33.5	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 20000		42.9	43.8	44.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 18000		42.9	43.8	44.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 16000		42.9	43.8	44.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 14000		42.9	43.8	44.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 12000		42.9	43.8	44.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 10000		47.8	48.8	49.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000		49.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 8000		55.8	58.1	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 7500		59.9	61.2	61.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 6000		62.1	64.6	65.2	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 5000		66.1	68.6	69.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 4500		71.5	73.0	73.8	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 4000		75.7	79.2	79.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 3500		80.4	82.9	83.5	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 3000		87.3	89.8	90.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2500		91.6	94.4	95.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 2000		91.9	94.7	95.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1800		92.9	95.7	96.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 1500		92.9	96.0	96.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200		92.9	96.0	96.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		92.9	96.0	96.9	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 322

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ALC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GER ARMY AAF
STATION NAME

69
YEAR

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

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	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZACH GER. ARY. AAF

60=64

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

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		14.4	19.7	25.8	28.0	30.3	32.6	34.1	34.1	34.1	34.1	34.8	34.8	34.8	34.8
≥ 20000		15.9	22.0	26.8	31.8	34.1	37.9	39.4	39.4	39.4	39.4	40.2	40.2	40.2	40.2
IV 18000		15.9	22.0	26.8	31.8	34.1	37.9	39.4	39.4	39.4	39.4	40.2	40.2	40.2	40.2
IV 16000		15.9	22.0	26.8	31.8	34.1	37.9	39.4	39.4	39.4	39.4	40.2	40.2	40.2	40.2
IV 14000		15.9	22.0	26.8	31.8	34.1	37.9	39.4	39.4	39.4	39.4	40.2	40.2	40.2	40.2
IV 12000		18.2	27.2	31.1	34.1	36.4	40.2	41.7	41.7	41.7	41.7	42.4	42.4	42.4	42.4
IV 10000		18.9	25.8	33.3	35.4	38.6	42.4	43.9	43.9	43.9	43.9	44.7	44.7	44.7	45.5
IV 9000		21.5	28.3	35.6	38.6	40.9	45.5	47.0	47.0	47.0	47.0	47.7	47.7	47.7	48.5
IV 8000		23.9	35.6	43.9	47.0	50.0	54.5	56.8	56.8	56.8	56.8	56.8	57.6	57.6	58.3
IV 7000		29.5	39.4	47.7	50.8	53.8	58.3	60.6	60.6	60.6	60.6	60.6	61.4	61.4	62.1
IV 6000		31.1	41.7	50.0	53.0	56.1	60.6	62.9	62.9	62.9	62.9	62.9	63.6	63.6	64.4
IV 5000		34.3	46.2	54.5	58.3	61.4	65.9	68.2	68.2	68.2	68.2	68.2	68.9	68.9	69.7
IV 4500		34.8	46.2	54.5	58.3	61.4	65.9	67.2	68.2	68.2	68.2	68.2	68.9	68.9	69.7
IV 4000		37.1	48.5	56.8	62.9	65.9	71.2	73.5	73.5	73.5	73.5	73.5	74.2	74.2	75.0
IV 3500		39.4	52.3	62.1	65.2	71.2	76.5	78.8	78.8	78.8	78.8	78.8	79.5	79.5	80.3
IV 3000		43.2	58.3	68.2	74.2	77.3	83.3	85.6	85.6	85.6	85.6	85.6	86.4	86.4	87.1
IV 2500		47.7	63.6	74.2	80.3	83.3	89.4	91.7	91.7	91.7	91.7	91.7	92.4	92.4	93.2
IV 2000		48.5	64.4	75.8	81.8	84.8	90.9	95.9	95.9	95.9	95.9	95.9	94.7	94.7	95.5
IV 1800		48.5	64.4	75.8	81.8	84.8	90.9	95.9	95.9	95.9	95.9	95.9	94.7	94.7	95.5
IV 1600		49.2	65.2	76.5	82.6	85.6	92.4	96.2	96.2	96.2	96.2	96.2	97.0	97.0	97.7
IV 1400		49.2	65.9	77.3	83.3	86.4	93.2	97.0	97.0	97.0	97.0	97.0	97.7	97.7	98.5
IV 1200		49.2	65.9	77.3	83.3	86.4	93.2	97.0	97.0	97.0	97.0	97.0	97.7	97.7	98.5
IV 1000		49.2	65.9	77.3	83.3	86.4	93.2	97.0	97.0	97.0	97.0	97.0	97.7	97.7	98.5
IV 900		49.2	65.9	77.3	83.3	86.4	93.2	97.0	97.0	97.0	97.0	97.0	97.7	97.7	98.5
IV 800		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 700		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 601		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 500		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 400		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 300		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 200		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 100		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0
IV 0		49.2	65.9	77.3	83.3	86.4	94.7	98.5	98.5	98.5	98.5	98.5	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 132

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

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
NO CEILING		17.5	22.1	27.9	31.5	33.6	36.1	37.7	39.0	39.7	40.0	40.0	40.0	40.0	40.0	40.1
IV 20000		21.3	27.5	34.0	38.1	40.3	43.8	45.8	47.7	48.7	49.0	49.1	49.1	49.4	49.4	49.5
IV 18000		21.3	27.5	34.0	38.1	40.3	43.8	45.8	47.7	48.7	49.0	49.1	49.1	49.4	49.4	49.5
IV 16000		21.3	27.5	34.0	38.1	40.3	43.8	45.8	47.7	48.7	49.0	49.1	49.1	49.4	49.4	49.5
IV 14000		21.3	27.5	34.0	38.1	40.3	43.8	45.8	47.7	48.7	49.0	49.1	49.1	49.4	49.4	49.5
IV 12000		21.3	28.0	34.6	38.7	40.9	44.5	46.4	48.3	49.4	49.8	49.7	49.7	50.0	50.0	50.1
IV 10900		24.6	31.6	38.4	42.6	44.8	48.3	50.3	52.3	53.3	53.8	53.8	53.8	54.1	54.1	54.2
IV 9000		26.3	34.1	41.3	45.6	47.9	51.6	53.6	55.5	56.6	56.8	57.0	57.0	57.3	57.3	57.4
IV 8000		32.2	40.8	49.2	53.7	56.1	60.0	63.0	65.0	66.1	66.3	66.5	66.5	66.8	66.8	66.9
IV 7000		35.0	44.0	52.5	57.2	59.6	64.3	66.9	68.9	70.4	70.7	70.9	71.0	71.3	71.3	71.4
IV 6000		35.6	45.1	53.8	58.5	61.3	66.3	68.8	70.8	72.3	72.6	72.8	72.8	73.2	73.2	73.3
IV 5000		38.0	47.8	56.6	61.9	64.3	69.4	72.0	74.0	75.4	75.7	75.9	76.0	76.4	76.4	76.5
IV 4500		39.1	49.1	57.8	63.2	65.6	70.9	73.2	75.2	76.9	77.2	77.4	77.5	77.8	77.8	77.9
IV 4000		42.4	52.4	61.4	67.6	70.4	75.8	78.1	80.1	81.9	82.2	82.4	82.5	82.8	82.8	82.9
IV 3500		44.3	54.4	64.0	70.5	73.3	78.5	81.1	83.1	84.8	85.1	85.4	85.5	85.8	85.8	85.9
IV 3000		46.7	57.2	67.6	74.3	77.3	82.7	85.6	87.8	89.5	89.9	90.2	90.3	90.6	90.6	90.8
IV 2500		48.5	59.1	69.8	76.8	79.9	85.6	88.4	90.6	92.4	92.7	93.0	93.1	93.4	93.4	93.6
IV 2000		49.2	59.7	70.8	77.9	81.3	86.9	89.7	91.9	93.9	94.2	94.6	94.7	95.0	95.0	95.2
IV 1800		49.3	59.8	71.0	78.1	81.5	87.1	90.0	92.2	94.1	94.5	94.8	94.9	95.2	95.2	95.4
IV 1500		49.3	60.5	71.7	79.2	82.6	88.3	91.3	93.6	95.8	96.1	96.4	96.7	97.1	97.1	97.3
IV 1200		50.3	60.9	72.1	79.6	83.1	88.9	91.7	94.1	96.3	96.7	97.0	97.2	97.6	97.6	97.8
IV 1000		50.3	61.0	72.2	79.7	83.2	89.3	92.2	94.7	97.1	97.4	97.7	97.9	98.3	98.3	98.5
IV 900		50.3	61.0	72.2	79.7	83.3	89.4	92.3	94.8	97.2	97.5	97.8	98.0	98.4	98.4	98.6
IV 800		50.3	61.0	72.2	79.7	83.4	89.6	92.5	95.0	97.5	97.8	98.1	98.2	98.7	98.7	99.0
IV 700		50.3	61.0	72.2	79.7	83.4	89.6	92.5	95.0	97.6	97.9	98.2	98.4	98.8	98.8	99.1
IV 600		50.3	61.0	72.2	79.7	83.4	89.6	92.5	95.0	97.8	98.1	98.4	98.6	99.1	99.1	99.3
IV 500		50.3	61.0	72.2	79.7	83.5	89.7	92.6	95.1	97.9	98.2	98.5	98.7	99.2	99.2	99.4
IV 400		50.3	61.0	72.2	79.7	83.5	89.7	92.6	95.1	97.9	98.2	98.5	98.7	99.2	99.2	99.5
IV 300		50.3	61.0	72.2	79.7	83.5	89.7	92.6	95.1	97.9	98.2	98.5	98.7	99.4	99.4	99.7
IV 200		50.3	61.0	72.2	79.7	83.5	89.7	92.6	95.1	97.9	98.2	98.5	98.7	99.4	99.4	100.0
IV 100		50.3	61.0	72.2	79.7	83.5	89.7	92.6	95.1	97.9	98.2	98.5	98.7	99.4	99.4	100.0
IV 0		50.3	61.0	72.2	79.7	83.5	89.7	92.6	95.1	97.9	98.2	98.5	98.7	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 STATION BAD KREUZNACH GERMANY AAF STATION NAME 60-70 YEARS AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
(LOCAL TIME)

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
NO CEILING		22.7	20.6	32.1	33.7	35.0	35.5	35.5	35.5	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 20000		30.1	35.5	41.7	43.7	45.1	46.0	46.5	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 18000		30.1	35.5	41.7	43.7	45.1	46.0	46.5	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 16000		30.1	35.5	41.7	43.7	45.1	46.0	46.5	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 14000		30.2	35.6	41.8	43.8	45.2	46.1	46.6	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 12000		31.2	36.6	42.9	44.3	46.3	47.1	47.6	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 10000		33.5	39.3	46.6	48.7	50.2	51.0	51.6	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 9000		36.0	42.5	49.8	51.9	52.5	54.5	55.0	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 8000		42.5	49.3	58.2	60.6	62.6	63.8	64.5	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 7000		45.0	52.0	61.1	63.7	63.7	67.0	67.7	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 6000		46.0	53.2	62.4	65.2	67.4	68.7	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000		47.5	55.0	64.5	67.4	69.6	70.9	71.7	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 4500		48.1	55.6	65.3	68.2	70.4	71.8	72.7	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4000		52.3	59.8	69.6	72.5	74.6	76.1	76.9	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 3500		54.8	62.4	72.4	75.3	77.7	79.2	80.0	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000		59.3	67.2	77.6	81.6	84.1	85.7	86.9	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.8
IV 2500		64.2	72.5	83.1	87.3	90.0	91.8	93.0	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.9
IV 2000		65.0	73.5	84.3	88.7	91.4	93.3	94.5	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.5
IV 1800		65.4	73.9	84.9	89.3	92.2	94.1	95.3	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.5
IV 1500		66.2	74.8	85.9	90.7	93.4	95.3	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.8
IV 1200		67.0	75.6	86.6	91.4	94.1	96.1	97.4	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.6
IV 1000		67.1	75.7	86.5	91.6	94.3	96.4	97.9	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.4
IV 900		67.2	75.8	87.0	91.7	94.4	96.5	98.0	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.5
IV 800		67.2	75.8	87.1	91.8	94.5	96.6	98.1	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.6
IV 700		67.2	75.8	87.1	91.8	94.5	96.6	98.2	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.9
IV 600		67.2	75.8	87.1	91.8	94.5	96.6	98.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.9
IV 500		67.2	75.8	87.1	91.8	94.5	96.6	98.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.9
IV 400		67.2	75.8	87.1	91.8	94.5	96.6	98.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	100.0
IV 300		67.2	75.8	87.1	91.8	94.5	96.6	98.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	100.0
IV 200		67.2	75.8	87.1	91.8	94.5	96.6	98.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	100.0
IV 100		67.2	75.8	87.1	91.8	94.5	96.6	98.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	100.0
IV 0		67.2	75.8	87.1	91.8	94.5	96.6	98.3	99.1	99.6	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 966

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/1AC

CEILING VERSUS VISIBILITY

24070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

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		24.3	25.9	26.9	27.6	28.0	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
≥ 20000	36.1	38.0	40.4	41.4	42.0	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 18000	36.1	38.6	40.4	41.4	42.0	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 16000	36.1	38.6	40.4	41.4	42.0	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 14000	36.2	38.7	40.5	41.5	42.1	42.3	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 12000	36.8	39.6	41.4	42.5	43.0	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 10000	41.0	43.8	45.7	46.8	47.3	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 9000	43.8	46.3	48.8	50.1	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 8000	47.5	50.9	54.0	55.3	55.8	56.1	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 7000	49.8	53.4	56.7	58.1	58.7	59.0	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 6000	51.8	55.3	58.6	60.0	60.9	61.2	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	54.8	58.0	61.8	63.4	64.2	64.5	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 4500	56.0	59.5	63.4	65.0	65.8	66.1	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 4000	60.7	64.3	68.3	70.0	70.8	71.1	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 3500	67.0	70.7	74.8	76.5	77.3	77.6	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	75.9	80.1	84.9	86.9	87.8	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 2500	81.7	86.3	91.3	93.4	94.2	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 2000	84.2	88.8	93.9	96.3	97.1	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1800	84.2	88.8	93.9	96.4	97.2	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1500	85.0	89.6	94.7	97.1	98.0	98.5	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	85.1	89.7	94.8	97.3	98.2	98.7	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000	85.1	89.7	94.8	97.4	98.3	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	85.2	89.8	94.9	97.6	98.4	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	85.2	89.8	94.9	97.6	98.4	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	85.2	89.8	94.9	97.6	98.4	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	85.2	89.8	94.9	97.8	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	85.2	89.8	94.9	97.8	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	85.2	89.8	94.9	97.8	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	85.2	89.8	94.9	97.8	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	85.2	89.8	94.9	97.8	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	85.2	89.8	94.9	97.8	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	85.2	89.8	94.9	97.8	98.6	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 939

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/16C

CEILING VERSUS VISIBILITY

34079
STATION

BAD KREUZNAC GERMANY AAF
STATION NAME

60-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING		27.5	28.2	28.9	29.0	29.6	29.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 20000		39.9	41.1	42.1	42.2	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 18000		39.9	41.1	42.1	42.2	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 16000		39.9	41.1	42.1	42.2	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 14000		40.1	41.3	42.4	42.5	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 12000		41.7	42.9	43.9	44.0	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000		43.4	46.9	47.9	48.0	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 9000		48.1	49.6	50.8	51.1	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 8000		54.3	55.8	57.6	58.0	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 7000		58.0	59.9	61.7	62.4	62.9	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 6000		60.2	62.1	64.0	64.7	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000		64.3	66.3	68.3	69.2	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4500		66.9	68.9	70.9	71.8	72.4	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 4000		72.0	74.5	76.5	77.4	78.0	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500		78.4	81.6	83.6	84.5	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 3000		84.7	88.3	90.8	91.7	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 2500		89.0	92.7	95.2	96.1	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000		90.3	94.0	96.5	97.4	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800		90.6	94.4	96.9	97.6	98.4	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500		90.8	94.6	97.1	98.0	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200		90.9	94.7	97.2	98.1	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0		90.9	94.8	97.4	98.3	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 890

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

61-70
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

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																
> 20000	32.9	34.2	34.5	35.4	35.7	35.7	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
IV 18000	44.9	46.5	47.1	48.0	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 16000	44.9	46.5	47.1	48.0	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 14000	45.2	46.6	47.4	48.3	48.6	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 12000	46.5	48.0	48.6	49.3	49.8	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
IV 10000	50.8	52.3	52.9	53.8	54.2	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 9000	51.7	53.2	54.5	55.4	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 8000	59.1	61.5	63.1	64.0	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 7000	66.6	69.2	71.1	72.0	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 6000	67.7	70.2	72.3	73.2	73.5	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	71.4	74.2	76.3	77.2	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 4500	74.8	77.5	79.7	80.6	80.9	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 4000	79.1	82.8	85.2	86.5	86.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 3500	81.5	85.2	87.7	88.9	89.2	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 3000	85.2	88.9	91.4	92.9	93.2	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2500	87.7	91.4	93.8	95.4	95.7	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	89.2	92.9	95.4	96.9	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1800	89.2	92.9	95.4	96.9	97.2	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 1500	89.5	93.8	96.3	97.8	98.5	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	89.8	94.2	96.6	98.2	98.8	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	89.8	94.2	96.6	98.2	98.8	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	89.8	94.2	96.6	98.2	98.8	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	89.8	94.2	96.6	98.2	98.8	99.1	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 325

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

68
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.6	≥.5	≥0	
NO CEILING				100	100	100	100	100	100	100	100	100	100	100	100	100	100
≥ 20000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 18000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 16000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 14000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 12000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 10000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 9000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 8000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 7000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 6000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 5000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 4500				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 4000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 3500				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 3000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 2500				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 2000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1800				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1500				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1200				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 1000				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 900				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 800				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 700				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 600				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 500				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 400				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 300				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 200				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 100				100	100	100	100	100	100	100	100	100	100	100	100	100	100
IV 0				100	100	100	100	100	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS 1

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ IAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZBACH GERVA V AAF 60-64 YEARS SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
NO. RESULTS

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
NO CEILING		12.8	16.8	25.6	32.5	35.9	38.5	42.7	43.6	47.0	47.9	47.9	47.9	47.9	47.9	47.9
≥ 20000	13.7	21.5	28.2	35.0	39.3	41.9	47.0	47.9	51.3	52.1	53.8	53.8	54.7	54.7	55.6	
IV 18000	13.7	20.5	28.2	35.0	39.3	41.9	47.0	47.9	51.3	52.1	53.8	53.8	54.7	54.7	55.6	
IV 16000	13.7	20.5	28.2	35.0	39.3	41.9	47.0	47.9	51.3	52.1	53.8	53.8	54.7	54.7	55.6	
IV 14000	13.7	20.5	28.2	35.0	39.3	41.9	47.0	47.9	51.3	52.1	53.8	53.8	54.7	54.7	55.6	
IV 12000	13.7	20.5	28.2	35.0	39.3	41.9	47.0	47.9	51.3	52.1	53.8	53.8	54.7	54.7	55.6	
IV 10000	14.5	21.4	29.1	36.8	41.0	44.4	49.6	50.4	53.8	54.7	56.4	56.4	58.1	58.1	59.0	
IV 9000	14.5	21.4	29.1	36.8	41.0	44.4	49.6	50.4	53.8	54.7	56.4	56.4	58.1	58.1	59.0	
IV 8000	15.4	22.2	32.5	41.0	45.3	48.7	53.8	54.7	58.1	59.0	60.7	60.7	62.4	62.4	63.2	
IV 7000	17.9	24.8	35.0	43.6	47.9	51.3	56.4	57.3	60.7	61.5	63.2	63.2	65.0	65.0	65.8	
IV 6000	17.9	25.6	35.9	44.4	48.7	52.1	57.3	58.1	61.5	62.4	64.1	64.1	65.8	65.8	66.7	
IV 5000	18.8	27.4	37.6	46.2	50.4	53.8	58.0	59.8	63.2	64.1	65.8	65.8	67.5	67.5	68.4	
IV 4500	18.8	27.4	37.6	46.2	50.4	53.8	59.8	60.7	64.1	65.0	66.7	66.7	68.4	68.4	69.2	
IV 4000	19.7	28.2	38.5	47.9	52.1	55.6	62.4	63.2	66.7	67.5	69.2	69.2	70.9	70.9	71.8	
IV 3500	21.4	29.9	40.2	49.6	53.8	57.3	64.1	65.0	68.4	69.2	70.9	70.9	72.6	72.6	73.5	
IV 3000	25.6	35.0	46.2	55.6	59.8	64.1	70.9	71.8	75.2	76.1	77.8	77.8	79.5	79.5	80.3	
IV 2500	26.5	37.6	46.7	58.1	62.4	67.5	76.1	76.9	80.3	82.1	84.6	84.6	86.3	86.3	87.2	
IV 2000	26.5	37.6	49.6	59.0	64.1	69.2	77.8	78.6	82.1	83.8	86.3	86.3	88.0	88.0	88.9	
IV 1800	26.5	37.6	49.6	59.0	64.1	69.2	77.8	78.6	82.1	83.8	86.3	86.3	88.0	88.0	88.9	
IV 1500	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 1200	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 1000	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 900	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 800	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 700	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 600	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 500	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 400	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 300	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 200	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 100	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	
IV 0	26.5	38.5	50.4	59.8	65.0	70.1	79.5	80.3	84.6	86.3	88.9	88.9	90.6	90.6	91.5	

TOTAL NUMBER OF OBSERVATIONS 117

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070
STATION

RAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING		12.5	15.3	18.6	22.0	23.6	28.0	29.8	30.9	34.4	33.7	36.0	36.7	36.9	37.3	38.2
≥ 20000		14.6	18.9	22.8	26.6	28.2	33.3	35.6	37.6	41.4	43.3	43.7	44.5	45.5	45.9	47.5
IV 18000		14.6	18.9	22.8	26.6	28.2	33.3	35.6	37.6	41.4	43.3	43.7	44.5	45.5	45.9	47.5
IV 16000		14.6	18.9	22.8	26.6	28.2	33.3	35.6	37.6	41.4	43.3	43.7	44.5	45.5	45.9	47.5
IV 14000		14.6	18.9	22.8	26.6	28.2	33.3	35.6	37.6	41.4	43.3	43.7	44.5	45.5	45.9	47.5
IV 12000		14.6	18.9	22.8	26.6	28.2	33.3	35.6	37.6	41.4	43.3	43.7	44.5	45.6	46.0	47.6
IV 10000		15.1	19.9	24.2	28.1	29.7	35.3	37.6	39.6	43.6	45.4	45.9	46.7	47.8	48.1	49.7
IV 9000		16.0	20.2	25.5	29.3	30.9	36.6	39.1	41.4	45.6	47.5	47.9	48.7	49.8	50.2	51.8
IV 8000		20.0	25.7	31.4	36.0	37.7	43.9	46.5	49.2	53.7	55.6	56.1	56.9	58.0	58.3	59.9
IV 7000		22.1	28.3	34.3	39.4	41.2	47.7	50.5	53.2	57.8	59.7	60.1	60.9	62.1	62.4	64.0
IV 6000		22.3	28.7	35.0	40.1	42.2	48.7	51.5	54.4	58.9	60.8	61.3	62.1	63.2	63.5	65.1
IV 5000		22.8	29.2	35.9	41.3	43.5	50.1	53.0	55.9	60.6	62.5	63.0	63.8	64.9	65.2	66.8
IV 4500		23.6	30.2	37.0	42.8	45.0	51.5	54.5	57.6	62.3	64.2	64.7	65.5	66.6	66.9	68.5
IV 4000		24.7	31.6	38.8	44.7	46.9	54.0	57.1	60.2	65.0	67.0	67.5	68.3	69.4	69.8	71.3
IV 3500		25.7	33.7	41.3	47.8	49.9	57.3	60.5	63.8	68.5	70.6	71.0	71.8	72.9	73.3	74.9
IV 3000		25.6	33.2	41.2	47.8	51.0	53.1	61.0	64.3	67.8	72.7	73.0	73.4	74.3	74.8	76.4
IV 2500		29.7	37.5	45.4	52.2	54.8	63.5	67.0	71.0	76.1	78.8	79.3	80.2	81.4	81.8	83.4
IV 2000		31.0	38.8	47.8	55.2	53.0	66.8	70.3	74.4	79.5	82.2	82.7	83.6	84.8	85.2	86.7
IV 1800		31.6	39.4	48.4	55.8	58.6	67.4	70.9	75.1	80.2	83.0	83.5	84.4	85.6	86.0	87.5
IV 1500		31.6	39.4	48.4	56.1	58.8	67.7	71.2	75.9	81.0	84.0	84.5	85.4	86.6	87.0	88.5
IV 1200		31.6	39.5	48.6	56.4	59.1	68.1	71.6	76.2	81.3	84.5	84.9	86.0	87.2	87.5	89.1
IV 1000		31.6	39.6	48.7	56.7	59.5	68.5	72.1	76.8	82.0	85.2	85.6	86.6	87.9	88.2	89.8
IV 900		31.6	39.6	48.7	56.7	59.5	68.6	72.1	76.8	82.0	85.2	85.6	86.6	87.9	88.2	89.8
IV 800		31.6	39.6	48.7	56.7	59.5	68.7	72.5	77.1	82.6	85.7	86.2	87.2	88.6	88.9	90.5
IV 700		31.6	39.6	48.7	56.7	59.5	68.7	72.5	77.1	82.8	86.1	86.5	87.7	89.0	89.4	90.9
IV 600		31.6	39.6	48.7	56.7	59.5	68.7	72.6	77.2	82.9	86.2	86.6	87.8	89.1	89.5	91.2
IV 500		31.6	39.6	48.7	56.7	59.5	68.7	72.7	77.3	83.0	86.4	86.9	88.1	89.5	89.8	91.8
IV 400		31.6	39.6	48.7	56.7	59.5	68.7	72.7	77.3	83.0	86.6	87.1	88.4	89.8	90.1	92.5
IV 300		31.6	39.6	48.7	56.7	59.5	68.7	72.7	77.3	83.0	86.6	87.1	88.4	89.8	90.1	93.1
IV 200		31.6	39.6	48.7	56.7	59.5	68.7	72.7	77.3	83.0	86.6	87.1	88.4	90.4	90.7	94.8
IV 100		31.6	39.6	48.7	56.7	59.5	68.7	72.7	77.3	83.0	86.6	87.1	88.4	90.5	90.8	97.3
IV 0		31.6	39.6	48.7	56.7	59.5	68.7	72.7	77.3	83.0	86.6	87.1	88.4	90.5	90.9	100.0

TOTAL NUMBER OF OBSERVATIONS 483

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (GMT)

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		17.6	19.7	23.2	26.3	30.4	34.0	36.4	37.2	37.9	38.3	38.4	38.5	38.8	38.8	39.0
≥ 20000		1.8	24.9	29.0	32.6	37.4	41.8	44.9	45.9	46.9	47.4	47.7	47.8	48.2	48.2	48.4
IV ≥ 18000		21.8	24.9	29.0	32.6	37.4	41.8	44.9	45.9	46.9	47.4	47.7	47.8	48.2	48.2	48.4
IV ≥ 16000		21.8	24.9	29.0	32.6	37.4	41.8	44.9	45.9	46.9	47.4	47.7	47.8	48.2	48.2	48.4
IV ≥ 14000		21.8	25.1	29.1	32.7	37.5	41.9	45.0	46.0	47.0	47.6	47.8	47.9	48.3	48.3	48.6
IV ≥ 12000		22.3	25.5	29.6	33.3	38.2	42.5	45.7	46.7	47.7	48.2	48.4	48.6	49.0	49.0	49.2
IV ≥ 10000		23.3	27.1	31.3	35.1	40.0	44.3	47.7	48.8	49.8	50.3	50.6	50.7	51.1	51.1	51.3
IV ≥ 9000		25.2	29.2	33.7	37.8	42.7	47.2	50.8	52.1	53.3	53.9	54.1	54.2	54.7	54.7	54.9
IV ≥ 8000		27.8	32.3	37.5	41.8	46.9	52.1	56.1	57.6	58.9	59.5	59.7	59.8	60.2	60.2	60.5
IV ≥ 7000		29.2	34.4	40.0	44.4	49.8	55.2	59.2	60.7	62.2	62.8	63.0	63.1	63.6	63.6	63.8
IV ≥ 6000		30.3	35.6	41.2	45.7	51.3	56.8	60.8	62.4	64.0	64.6	64.8	64.9	65.4	65.4	65.6
IV ≥ 5000		31.5	37.0	42.7	47.1	52.9	58.5	62.5	64.0	65.7	66.3	66.5	66.6	67.0	67.0	67.3
IV ≥ 4500		32.5	38.1	44.1	48.6	54.3	59.9	63.9	65.5	67.1	67.7	67.9	68.0	68.5	68.5	68.7
IV ≥ 4000		34.5	40.4	46.8	51.2	57.3	63.0	67.0	68.7	70.4	70.9	71.2	71.3	71.7	71.7	71.9
IV ≥ 3500		39.0	44.0	50.8	55.2	61.5	67.6	71.6	73.3	74.9	75.5	75.7	75.8	76.3	76.3	76.5
IV ≥ 3000		40.8	46.9	54.1	58.9	65.4	72.0	76.3	78.4	80.2	80.8	81.1	81.2	81.6	81.6	81.9
IV ≥ 2500		43.5	49.8	57.1	61.9	68.7	75.8	80.5	83.0	84.9	85.5	85.7	85.9	86.3	86.3	86.5
IV ≥ 2000		44.1	51.3	59.1	64.1	70.9	78.1	82.5	85.2	87.2	87.9	88.1	88.3	88.8	88.8	89.0
IV ≥ 1800		44.9	51.6	59.4	64.4	71.2	78.5	83.3	85.7	87.6	88.3	88.6	88.9	89.3	89.3	89.5
IV ≥ 1500		45.2	52.1	59.9	64.9	71.7	79.2	84.2	86.9	88.9	89.5	89.9	90.1	90.5	90.5	90.8
IV ≥ 1200		45.5	52.6	60.5	65.5	72.3	79.7	85.1	87.8	89.8	90.4	90.8	91.0	91.4	91.4	91.6
IV ≥ 1000		45.8	52.9	60.8	65.8	72.7	80.2	85.6	88.3	90.3	91.2	91.5	91.8	92.2	92.2	92.5
IV ≥ 900		45.8	52.9	60.8	65.8	72.9	80.4	85.9	88.5	90.6	91.5	91.9	92.1	92.5	92.5	92.9
IV ≥ 800		45.8	53.0	60.9	65.9	73.2	80.8	86.4	89.4	91.6	92.8	93.2	93.4	93.9	93.9	94.2
IV ≥ 700		45.8	53.0	60.9	65.9	73.3	81.1	86.6	89.6	92.2	93.3	94.0	94.2	94.7	94.7	95.0
IV ≥ 600		45.8	53.0	60.9	65.9	73.4	81.3	87.0	90.1	92.8	94.3	94.9	95.1	95.7	95.7	96.0
IV ≥ 500		45.8	53.0	60.9	65.9	73.4	81.3	87.0	90.1	93.0	94.5	95.1	95.4	96.0	96.0	96.4
IV ≥ 400		45.8	53.0	60.9	65.9	73.4	81.3	87.0	90.1	93.1	94.9	95.2	96.0	96.9	97.0	97.3
IV ≥ 300		45.8	53.0	60.9	66.0	73.6	81.6	87.3	90.4	93.4	95.3	96.0	96.5	97.8	97.9	98.6
IV ≥ 200		45.8	53.0	60.9	66.0	73.6	81.6	87.3	90.4	93.4	95.3	96.0	96.5	98.0	98.2	99.4
IV ≥ 100		45.8	53.0	60.9	66.0	73.6	81.6	87.3	90.4	93.4	95.3	96.0	96.5	98.0	98.2	99.7
IV ≥ 0		45.8	53.0	60.9	66.0	73.6	81.6	87.3	90.4	93.4	95.3	96.0	96.5	98.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 898

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070
 STATION

BAD KREUZNACH GERMANY AAF
 STATION NAME

60-70
 YEAR

SEP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
 HOUR (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1/2	≥1/2	≥0
NO CEILING		22.5	24.4	28.5	30.4	32.5	34.6	35.3	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6
≥ 20000		30.2	33.0	38.4	41.1	43.9	46.3	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 16000		30.2	33.0	38.4	41.1	43.9	46.3	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 14000		30.2	32.0	38.4	41.1	43.9	46.4	47.3	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 12000		30.7	33.4	38.8	41.6	44.3	46.8	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 10000		32.2	35.1	40.7	43.4	46.4	48.9	49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 9200		33.6	36.9	42.7	45.6	48.6	51.1	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 8000		38.1	41.7	47.8	50.7	54.0	56.5	57.5	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000		40.5	44.4	50.5	53.5	56.7	59.6	60.6	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 6000		42.2	46.0	52.1	55.1	58.3	61.3	62.3	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 5000		44.7	48.9	54.6	57.6	60.8	63.8	64.8	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 4500		46.2	50.1	56.1	59.1	62.3	65.3	66.3	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 4000		49.6	52.5	58.3	61.7	64.9	67.9	69.2	69.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 3500		52.5	56.6	63.5	66.9	70.3	73.3	74.7	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000		60.0	64.6	72.5	76.2	79.7	83.0	84.4	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 2500		65.6	70.7	78.8	82.8	86.8	90.3	91.6	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000		67.2	72.3	80.6	84.8	88.8	92.2	93.6	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1800		67.4	72.4	80.8	84.9	88.9	92.3	93.8	94.2	94.5	94.7	94.8	94.8	94.8	94.8	94.8
IV 1500		67.8	72.9	81.3	85.6	89.6	93.0	94.6	95.0	95.3	95.6	95.8	95.8	95.8	95.8	95.8
IV 1200		68.4	73.4	81.9	86.1	90.3	93.7	95.4	95.8	96.2	96.6	96.7	96.7	96.8	96.8	96.8
IV 1000		68.7	73.8	82.2	86.5	90.8	94.3	96.1	96.6	97.0	97.3	97.6	97.6	97.7	97.7	97.7
IV 900		68.7	73.8	82.2	86.6	91.0	94.5	96.4	96.9	97.4	97.8	97.9	97.9	98.1	98.1	98.1
IV 800		68.7	73.8	82.4	86.7	91.1	94.6	96.7	97.1	97.5	98.4	98.5	98.5	98.6	98.6	98.6
IV 700		68.7	73.8	82.5	86.8	91.1	94.8	97.1	97.6	98.3	99.2	99.3	99.3	99.4	99.4	99.4
IV 600		68.7	73.9	82.5	86.8	91.2	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.8	99.8	99.8
IV 500		68.7	73.9	82.5	86.8	91.2	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.8	99.8	99.8
IV 400		68.7	73.9	82.5	86.8	91.2	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.8	99.8	99.8
IV 300		68.7	73.9	82.5	86.8	91.2	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.8	99.8	99.8
IV 200		68.7	73.9	82.5	86.8	91.2	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.8	99.8	99.8
IV 100		68.7	73.9	82.5	86.8	91.2	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.8	99.8	99.8
IV 0		68.7	73.9	82.5	86.8	91.2	94.8	97.3	97.8	98.5	99.3	99.7	99.7	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 873

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/PAC

CEILING VERSUS VISIBILITY

36070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		31.6	33.6	37.8	38.8	38.6	38.7	38.8	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 20000		39.8	42.7	47.9	48.9	49.5	49.8	49.9	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 18000		39.8	42.7	47.9	48.9	49.5	49.8	49.9	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 16000		39.8	42.7	47.9	48.9	49.5	49.8	49.9	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 14000		39.9	42.8	48.0	49.0	49.6	49.9	50.1	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 12000		40.9	43.9	49.1	50.1	50.7	51.0	51.1	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000		43.1	46.3	51.5	52.7	53.3	53.6	53.7	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 9000		45.1	48.6	54.0	55.2	55.9	56.3	56.4	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0
IV 8000		50.7	54.2	59.5	61.2	62.1	62.6	62.7	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 7000		54.4	58.0	63.3	65.0	66.0	66.9	67.0	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 6000		56.2	59.8	65.1	66.7	67.8	68.6	68.8	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 5000		58.5	62.1	67.5	69.1	70.2	71.0	71.1	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500		61.2	64.9	70.2	71.8	72.9	73.8	74.0	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6
IV 4000		64.7	68.5	73.8	75.5	76.6	77.6	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 3500		68.0	72.0	77.9	79.9	80.9	82.0	82.1	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 3000		74.0	78.0	84.6	86.6	87.7	89.0	89.1	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 2500		77.8	82.0	89.2	91.5	92.7	94.0	94.1	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 2000		78.8	83.1	90.3	92.5	93.8	95.1	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 1800		79.4	83.8	91.0	93.3	94.7	96.0	96.1	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1500		79.6	84.5	92.0	94.2	95.6	97.0	97.3	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 1200		80.1	84.9	92.3	94.6	96.1	97.5	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1000		80.2	85.0	92.4	94.7	96.2	97.6	97.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700		80.2	85.0	92.4	94.7	96.2	97.6	97.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800		80.2	85.0	92.4	94.7	96.2	97.6	97.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 700		80.2	85.0	92.4	94.7	96.2	97.6	97.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 600		80.5	85.2	92.7	94.9	96.4	97.9	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500		80.5	85.2	92.7	94.9	96.4	97.9	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 400		80.5	85.2	92.7	94.9	96.4	97.9	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300		80.5	85.2	92.7	94.9	96.4	97.9	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 200		80.5	85.2	92.7	94.9	96.4	97.9	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 100		80.5	85.2	92.7	94.9	96.4	97.9	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 0		80.5	85.2	92.7	94.9	96.4	97.9	98.1	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 845

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

50-70
YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING		29.6	33.1	35.7	37.9	39.9	40.1	41.1	41.4	42.0	42.7	43.0	43.0	43.0	43.0	43.0
≥ 20000	38.5	42.4	45.9	49.4	50.6	51.9	53.5	54.1	54.8	55.4	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	38.5	42.4	45.9	49.4	50.6	51.9	53.5	54.1	54.8	55.4	55.7	55.7	55.7	55.7	55.7	55.7
≥ 16000	38.5	42.4	45.9	49.4	50.6	51.9	53.5	54.1	54.8	55.4	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	38.5	42.7	46.2	49.7	51.0	52.2	53.8	54.5	55.1	55.7	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	39.2	43.3	46.8	50.3	51.6	52.9	54.5	55.1	55.7	56.4	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	40.8	45.5	49.0	52.5	53.8	55.4	57.0	57.6	58.3	58.9	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000	42.7	47.5	51.3	54.8	56.1	57.6	59.2	59.9	60.5	61.1	61.5	61.5	61.5	61.5	61.5	61.5
≥ 8000	45.5	51.3	54.8	58.3	59.6	61.1	62.7	63.4	64.0	64.6	65.0	65.0	65.0	65.0	65.0	65.0
≥ 7000	49.7	55.1	58.9	62.4	63.7	65.2	66.9	67.5	68.2	68.8	69.1	69.1	69.1	69.1	69.1	69.1
≥ 6000	54.1	59.9	63.7	67.2	68.6	70.7	72.3	72.9	73.6	74.2	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	57.0	62.7	66.6	70.1	71.7	73.6	75.2	75.8	76.4	77.1	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	58.6	64.6	68.5	72.0	73.6	75.5	77.1	77.7	78.3	79.0	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	62.1	68.2	72.3	75.8	77.4	79.3	80.9	81.5	82.2	82.8	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500	65.6	71.7	75.8	79.3	81.5	83.4	85.0	85.7	86.3	86.9	87.2	87.2	87.2	87.2	87.2	87.2
≥ 3000	71.0	77.4	81.8	85.7	87.6	89.5	91.1	91.7	92.4	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	73.2	80.2	84.7	88.5	90.4	92.7	94.3	95.2	95.9	96.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	73.6	80.6	85.4	89.2	91.1	93.9	95.5	96.5	97.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	74.2	81.2	86.0	89.8	91.7	94.6	96.2	97.1	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	74.2	81.2	86.3	90.1	92.0	94.9	96.5	97.5	98.1	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 900	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	100.0	100.0	100.0
≥ 200	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	100.0	100.0	100.0
≥ 100	74.5	81.8	86.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	100.0	100.0	100.0
≥ 0	74.5	81.8	85.9	90.8	92.7	95.5	97.1	98.1	98.7	99.4	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 314

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNAUF GERMANIA AAF

60268

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2310

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.5	≥.5	≥0
NO CEILING				50.0	50.0	50.0	50.0	50.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 20000				50.0	50.0	50.0	50.0	50.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 18000				50.0	50.0	50.0	50.0	50.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 16000				50.0	50.0	50.0	50.0	50.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 14000				50.0	50.0	50.0	50.0	50.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 12000				50.0	50.0	50.0	50.0	50.0	50.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 10000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0			25.0	75.0	75.0	75.0	75.0	75.0	75.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

61-64
YEAR

ACT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING		8.0	11.0	21.0	21.0	24.0	26.0	28.0	29.0	33.0	33.0	33.0	32.0	34.0	34.0	35.0
≥ 20000		8.0	11.0	21.0	21.0	24.0	27.0	30.0	31.0	35.0	36.0	36.0	36.0	38.0	38.0	42.0
IV 18000		8.0	11.0	21.0	21.0	24.0	27.0	30.0	31.0	35.0	36.0	36.0	36.0	38.0	38.0	42.0
IV 16000		8.0	11.0	21.0	21.0	24.0	27.0	30.0	31.0	35.0	36.0	36.0	36.0	38.0	38.0	42.0
IV 14000		8.0	11.0	21.0	21.0	24.0	27.0	30.0	31.0	35.0	36.0	36.0	36.0	38.0	38.0	42.0
IV 12000		8.0	11.0	21.0	21.0	24.0	27.0	30.0	31.0	35.0	36.0	36.0	36.0	38.0	38.0	42.0
IV 10000		8.0	11.0	21.0	21.0	24.0	27.0	31.0	32.0	36.0	37.0	37.0	37.0	39.0	39.0	43.0
IV 9000		9.0	12.0	22.0	22.0	25.0	26.0	32.0	33.0	37.0	38.0	38.0	38.0	40.0	40.0	44.0
IV 8000		10.0	13.0	25.0	25.0	28.0	31.0	37.0	39.0	43.0	44.0	44.0	44.0	46.0	46.0	50.0
IV 7000		11.0	14.0	28.0	28.0	31.0	34.0	41.0	44.0	48.0	49.0	49.0	49.0	51.0	51.0	55.0
IV 6000		11.0	14.0	28.0	28.0	31.0	34.0	41.0	44.0	48.0	49.0	49.0	49.0	51.0	51.0	55.0
IV 5000		12.0	16.0	30.0	31.0	34.0	37.0	45.0	48.0	52.0	53.0	53.0	53.0	55.0	55.0	59.0
IV 4500		12.0	16.0	30.0	31.0	34.0	37.0	45.0	48.0	52.0	53.0	53.0	53.0	55.0	55.0	59.0
IV 4000		13.0	17.0	31.0	32.0	35.0	38.0	46.0	49.0	53.0	54.0	54.0	54.0	56.0	56.0	60.0
IV 3500		13.0	18.0	32.0	33.0	36.0	39.0	47.0	50.0	54.0	55.0	55.0	55.0	57.0	57.0	61.0
IV 3000		15.0	21.0	36.0	37.0	40.0	43.0	53.0	56.0	60.0	61.0	61.0	61.0	63.0	63.0	67.0
IV 2500		18.0	27.0	43.0	45.0	48.0	51.0	61.0	64.0	68.0	70.0	70.0	70.0	72.0	72.0	76.0
IV 2000		20.0	29.0	45.0	47.0	50.0	53.0	63.0	66.0	72.0	74.0	74.0	74.0	76.0	76.0	80.0
IV 1900		20.0	29.0	45.0	47.0	50.0	53.0	63.0	66.0	72.0	74.0	74.0	74.0	76.0	76.0	80.0
IV 1500		20.0	29.0	45.0	47.0	50.0	53.0	63.0	66.0	72.0	73.0	73.0	73.0	75.0	75.0	79.0
IV 1200		20.0	29.0	45.0	47.0	50.0	53.0	63.0	66.0	72.0	73.0	73.0	73.0	75.0	75.0	79.0
IV 1000		20.0	29.0	45.0	47.0	50.0	53.0	63.0	66.0	72.0	73.0	73.0	73.0	75.0	75.0	79.0
IV 900		20.0	29.0	45.0	47.0	50.0	53.0	63.0	66.0	72.0	73.0	73.0	73.0	75.0	75.0	79.0
IV 800		20.0	29.0	45.0	47.0	50.0	53.0	63.0	66.0	72.0	73.0	73.0	73.0	75.0	75.0	79.0
IV 700		20.0	30.0	46.0	48.0	51.0	56.0	69.0	72.0	77.0	79.0	79.0	79.0	81.0	81.0	85.0
IV 600		20.0	30.0	46.0	48.0	51.0	57.0	70.0	73.0	78.0	81.0	81.0	81.0	83.0	83.0	87.0
IV 500		20.0	30.0	46.0	48.0	51.0	57.0	70.0	73.0	78.0	81.0	81.0	81.0	83.0	83.0	87.0
IV 400		22.0	30.0	46.0	48.0	51.0	57.0	70.0	73.0	78.0	81.0	81.0	81.0	83.0	83.0	87.0
IV 300		20.0	30.0	46.0	48.0	51.0	57.0	70.0	73.0	78.0	82.0	82.0	82.0	84.0	84.0	89.0
IV 200		20.0	30.0	46.0	48.0	51.0	57.0	70.0	73.0	78.0	82.0	82.0	82.0	84.0	84.0	89.0
IV 100		20.0	30.0	46.0	48.0	51.0	57.0	70.0	73.0	78.0	82.0	82.0	82.0	84.0	84.0	89.0
IV 0		20.0	30.0	46.0	48.0	51.0	57.0	70.0	73.0	78.0	82.0	82.0	82.0	84.0	84.0	100.0

TOTAL NUMBER OF OBSERVATIONS 100

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		6.3	8.0	10.6	11.8	13.3	16.7	18.0	18.7	20.1	21.1	21.2	21.9	22.5	22.6	23.6
IV 20000		7.3	9.7	12.4	13.6	15.4	19.4	20.9	21.6	23.3	24.2	24.6	25.5	26.7	26.9	29.5
IV 18000		7.3	9.7	12.4	13.6	15.4	19.4	20.9	21.6	23.3	24.2	24.6	25.5	26.7	26.9	29.5
IV 16000		7.3	9.7	12.4	13.6	15.4	19.4	20.9	21.6	23.3	24.2	24.6	25.5	26.7	26.9	29.5
IV 14000		7.3	9.7	12.4	13.6	15.4	19.4	20.9	21.6	23.3	24.2	24.6	25.5	26.7	26.9	29.5
IV 12000		7.4	9.8	12.6	13.8	15.5	19.5	21.0	21.7	23.4	24.3	24.7	25.8	27.0	27.1	29.7
IV 10000		7.6	11.1	14.1	15.3	17.0	21.2	22.6	23.5	25.2	26.3	26.6	27.8	29.0	29.1	31.8
IV 9000		7.9	12.8	16.4	17.8	19.5	23.9	25.4	26.4	28.2	29.4	29.7	31.0	32.2	32.3	34.9
IV 8000		13.1	16.8	21.2	22.9	25.0	29.4	31.0	32.1	33.8	35.0	35.5	36.8	38.1	38.2	40.9
IV 7000		14.3	18.2	23.5	25.4	27.7	32.4	34.2	35.4	37.2	38.5	39.0	40.3	41.6	41.7	44.5
IV 6000		14.4	18.3	24.0	26.3	28.8	33.5	35.3	36.5	38.3	39.6	40.1	41.5	42.8	42.9	45.7
IV 5000		15.8	20.2	26.1	28.5	31.1	36.1	38.1	39.3	41.2	42.5	42.9	44.3	45.7	45.9	48.7
IV 4500		16.5	20.9	26.7	29.1	31.8	36.9	39.0	40.3	42.0	43.3	43.8	45.3	46.7	46.8	49.9
IV 4000		17.6	22.4	28.6	31.3	34.0	39.2	41.3	42.5	44.3	45.6	46.1	47.8	49.2	49.3	52.4
IV 3500		19.4	24.6	31.1	34.0	36.7	42.0	44.1	45.3	47.2	48.5	48.9	50.7	52.1	52.2	55.2
IV 3000		21.4	26.6	33.4	36.4	39.6	45.6	48.3	49.5	51.3	52.7	53.2	55.1	56.6	56.7	59.8
IV 2500		24.3	30.2	37.6	40.8	44.4	51.0	53.9	55.3	57.4	58.8	59.4	61.2	62.7	62.8	65.9
IV 2000		25.4	31.6	39.2	42.7	46.4	53.9	57.1	58.7	60.8	62.4	63.0	64.8	66.3	66.4	69.5
IV 1800		25.8	32.3	40.1	43.8	47.3	54.8	58.0	59.6	61.7	63.3	63.9	65.7	67.1	67.2	70.4
IV 1500		26.3	33.1	41.0	44.7	48.5	56.3	59.7	61.6	64.1	65.8	66.5	68.3	69.8	69.9	73.1
IV 1200		26.9	33.7	41.7	45.5	49.5	57.4	61.2	63.1	65.6	67.5	68.2	70.1	71.5	71.6	74.9
IV 1000		27.0	34.1	42.0	45.9	49.8	58.2	62.1	64.2	66.9	68.9	69.7	71.6	73.1	73.2	76.7
IV 900		27.0	34.1	42.0	45.9	49.8	58.3	62.2	64.3	67.2	69.2	70.1	72.1	73.6	73.7	77.2
IV 800		27.1	34.2	42.1	46.0	49.9	58.4	62.3	64.5	67.4	69.4	70.3	72.3	74.3	74.3	78.1
IV 700		27.1	34.2	42.1	46.0	49.9	58.4	62.3	64.5	67.4	69.4	70.3	72.3	74.3	74.3	78.1
IV 600		27.1	34.2	42.1	46.0	49.9	58.6	62.7	65.0	68.0	70.7	71.7	74.0	75.5	75.7	79.3
IV 500		27.1	34.3	42.2	46.2	50.1	58.8	63.0	65.5	69.4	71.8	72.6	75.0	76.9	77.0	80.9
IV 400		27.1	34.3	42.2	46.2	50.1	58.8	63.0	65.5	69.4	71.8	72.6	75.0	76.9	77.3	81.4
IV 300		27.1	34.3	42.2	46.2	50.1	58.8	63.0	65.5	69.4	71.8	72.6	75.0	76.9	78.4	83.7
IV 200		27.1	34.3	42.2	46.2	50.1	58.8	63.0	65.5	69.4	71.8	72.6	75.0	76.9	79.9	87.7
IV 100		27.1	34.3	42.2	46.2	50.1	58.8	63.0	65.5	69.4	71.8	72.6	75.0	76.9	80.1	94.0
IV 0		27.1	34.3	42.2	46.2	50.1	58.8	63.0	65.5	69.4	71.8	72.6	75.0	76.9	80.1	100.0

TOTAL NUMBER OF OBSERVATIONS 916

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

36070 STATION BAD KREUZNACH GERMANY AAF STATION NAME

60-70 YEARS

OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 HOUR EST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0	
NO CEILING		6.6	7.6	10.1	11.1	12.8	15.5	17.4	18.0	19.2	20.3	20.6	20.7	20.9	20.9	21.5
IV 20000		9.5	10.7	14.2	15.4	17.5	20.3	22.4	23.3	24.7	26.0	26.5	26.7	27.4	27.4	28.2
IV 18000		9.5	10.7	14.2	15.4	17.5	20.3	22.4	23.3	24.7	26.0	26.5	26.7	27.4	27.4	28.2
IV 16000		9.5	10.7	14.2	15.4	17.5	20.3	22.4	23.3	24.7	26.0	26.5	26.7	27.4	27.4	28.2
IV 14000		9.5	10.7	14.2	15.4	17.5	20.3	22.4	23.3	24.7	26.0	26.5	26.7	27.4	27.4	28.2
IV 12000		9.9	11.2	14.6	15.8	17.9	20.7	22.8	23.7	25.2	26.4	26.9	27.2	27.8	27.8	28.6
IV 10000		12.9	14.6	18.2	19.4	21.5	24.4	26.5	27.6	29.2	30.5	31.1	31.3	31.9	31.9	32.7
IV 9000		14.3	16.4	20.6	21.9	24.0	27.1	29.2	30.3	31.9	33.3	33.9	34.1	34.7	34.7	35.6
IV 8000		16.5	19.2	24.0	25.3	28.0	31.3	33.6	34.7	36.7	38.3	39.2	39.4	40.2	40.2	41.3
IV 7000		18.4	21.4	26.4	28.1	30.7	34.3	36.7	38.0	40.1	41.7	42.5	42.7	43.7	43.7	44.7
IV 6000		18.5	21.6	26.6	28.3	30.9	34.7	37.2	38.4	40.7	42.5	43.6	43.6	44.5	44.5	45.6
IV 5000		20.2	23.5	28.6	30.4	33.4	37.5	40.0	41.4	43.9	45.7	46.6	46.8	47.9	47.9	48.9
IV 4500		21.1	24.6	29.8	31.7	34.6	38.7	41.3	42.6	45.2	46.9	47.9	48.1	49.3	49.3	50.3
IV 4000		22.4	25.8	31.8	33.8	37.2	41.4	43.9	45.3	47.9	49.7	50.8	51.1	52.2	52.2	53.4
IV 3500		24.1	28.3	34.3	36.7	40.2	44.5	47.2	48.6	51.3	53.1	54.2	54.5	55.7	55.7	56.8
IV 3000		26.7	31.3	38.0	41.5	45.2	49.8	52.9	54.6	57.4	59.3	60.6	61.1	62.2	62.2	63.4
IV 2500		30.2	34.9	42.0	46.1	50.0	55.1	58.6	60.8	63.7	65.6	66.9	67.4	68.5	68.5	69.7
IV 2000		31.4	36.1	44.0	48.2	52.1	57.7	61.3	63.7	66.7	68.6	70.0	70.5	71.7	71.7	72.8
IV 1800		31.8	36.5	44.4	48.6	52.5	58.1	61.7	64.1	67.3	69.2	70.5	71.1	72.2	72.2	73.4
IV 1500		32.5	37.4	45.5	49.8	53.7	59.3	62.9	65.3	68.6	70.6	71.9	72.8	73.6	73.6	74.7
IV 1200		32.9	38.1	46.2	50.7	54.9	61.7	65.5	68.0	71.7	73.6	74.9	75.5	76.7	76.7	78.0
IV 1000		33.4	38.5	46.6	51.2	55.6	62.8	66.9	69.3	73.4	75.3	76.8	77.4	78.7	78.7	80.0
IV 900		33.5	38.6	46.7	51.3	56.1	63.4	67.5	70.3	74.3	76.4	77.8	78.3	79.7	79.7	80.9
IV 800		33.5	38.6	46.7	51.3	56.1	63.4	67.8	70.7	75.4	77.6	79.1	79.6	80.9	80.9	82.2
IV 700		33.5	38.6	46.7	51.3	56.1	63.6	68.0	71.2	75.8	78.1	79.6	80.1	81.6	81.6	82.8
IV 600		33.5	38.6	46.7	51.4	56.2	63.8	68.2	71.5	76.1	78.4	79.9	80.4	82.0	82.0	83.3
IV 500		33.5	38.6	46.7	51.4	56.2	63.9	68.3	71.7	76.6	79.4	80.8	81.4	83.4	83.4	84.6
IV 400		33.5	38.6	46.7	51.5	56.3	64.0	68.4	71.8	76.8	79.6	81.6	82.9	83.6	83.6	87.4
IV 300		33.5	38.6	46.7	51.5	56.3	64.0	68.4	71.9	76.9	80.0	82.0	83.5	87.5	87.5	90.9
IV 200		33.5	38.6	46.7	51.5	56.3	64.0	68.4	71.9	76.9	80.0	82.0	83.5	88.1	88.1	93.9
IV 100		33.5	38.6	46.7	51.5	56.3	64.0	68.4	71.9	76.9	80.0	82.0	83.5	88.2	88.7	98.0
IV 0		33.5	38.6	46.7	51.5	56.3	64.0	68.4	71.9	76.9	80.0	82.0	83.5	88.2	89.7	100.0

TOTAL NUMBER OF OBSERVATIONS 950

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
 HOUR, EST.

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	11.3	13.7	18.9	20.3	22.6	24.0	26.0	26.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
IV 18000	17.2	19.9	25.8	27.3	30.1	32.9	34.2	35.3	36.6	36.7	36.8	36.8	36.8	36.8	36.9	36.9	36.9
IV 16000	17.2	19.9	25.8	27.3	30.1	32.9	34.2	35.3	36.6	36.7	36.8	36.8	36.8	36.9	36.9	36.9	36.9
IV 14000	17.2	19.9	25.8	27.3	30.1	32.9	34.2	35.3	36.6	36.7	36.8	36.8	36.8	36.9	36.9	36.9	36.9
IV 12000	17.2	19.9	25.8	27.3	30.1	32.9	34.2	35.3	36.6	36.7	36.8	36.8	36.8	36.9	36.9	36.9	36.9
IV 10000	19.8	22.6	28.9	30.3	33.1	35.9	37.2	38.3	39.6	39.7	39.8	39.8	39.8	40.0	40.0	40.0	40.0
IV 9000	21.5	24.3	31.1	32.7	35.7	38.5	40.2	41.3	42.6	42.7	42.8	42.8	42.8	42.9	42.9	42.9	42.9
IV 8000	24.3	27.6	34.7	36.4	39.7	43.1	44.6	45.7	47.1	47.2	47.3	47.4	47.4	47.6	47.6	47.6	47.6
IV 7000	26.8	30.2	37.5	39.1	42.8	46.3	47.9	49.2	50.6	51.0	51.4	51.4	51.4	51.5	51.5	51.5	51.5
IV 6000	27.5	30.9	38.2	39.8	43.3	47.0	48.6	49.9	51.4	51.8	52.1	52.1	52.1	52.2	52.2	52.2	52.2
IV 5000	29.2	32.7	40.9	42.6	46.3	49.8	51.5	52.9	54.3	54.7	55.0	55.0	55.0	55.2	55.2	55.2	55.2
IV 4500	30.3	34.1	42.6	44.3	48.2	51.9	53.4	54.9	56.4	56.8	57.1	57.1	57.1	57.2	57.2	57.2	57.2
IV 4000	31.9	35.6	44.2	46.4	50.2	53.7	55.4	57.0	58.4	58.8	59.2	59.2	59.2	59.3	59.3	59.3	59.3
IV 3500	34.0	37.9	47.2	49.6	53.5	57.2	58.8	60.3	61.7	62.1	62.6	62.6	62.6	62.8	62.8	62.8	62.8
IV 3000	39.4	43.9	53.6	56.2	60.3	64.1	66.0	67.6	69.1	70.4	70.7	70.7	70.7	71.0	71.0	71.0	71.0
IV 2500	44.5	49.1	59.2	62.3	66.7	70.8	73.0	75.0	76.8	77.6	78.0	78.1	78.1	78.3	78.3	78.3	78.3
IV 2000	46.1	51.0	62.1	65.3	69.7	73.8	76.0	78.1	79.8	80.7	81.1	81.2	81.2	81.4	81.4	81.4	81.4
IV 1800	47.1	52.0	63.1	66.2	70.9	75.1	77.4	79.6	81.4	82.3	82.7	82.8	82.8	83.1	83.1	83.1	83.1
IV 1500	47.8	53.0	64.2	67.3	72.2	76.6	79.2	81.7	83.9	84.8	85.2	85.3	85.3	85.8	85.8	85.8	85.8
IV 1200	48.5	53.9	65.3	68.6	74.4	79.4	81.9	84.4	86.8	87.7	88.2	88.4	88.4	88.6	88.6	88.6	88.6
IV 1000	48.6	54.0	65.4	69.1	74.9	80.3	83.1	85.8	88.6	89.6	90.0	90.2	90.2	90.4	90.4	90.4	90.4
IV 900	48.8	54.1	65.5	69.2	75.1	80.9	83.7	87.2	90.2	91.2	91.6	91.9	92.1	92.1	92.1	92.1	92.1
IV 800	48.8	54.1	65.5	69.3	75.3	81.2	84.1	87.6	91.1	92.1	92.6	92.8	93.1	93.1	93.1	93.1	93.1
IV 700	48.8	54.1	65.5	69.4	75.6	81.3	84.3	87.8	91.7	93.4	93.8	94.0	94.2	94.2	94.2	94.2	94.2
IV 600	48.8	54.1	65.6	69.5	75.7	81.5	84.6	88.2	92.3	94.0	94.4	94.6	95.1	95.3	95.3	95.3	95.3
IV 500	48.8	54.1	65.6	69.5	75.8	81.7	84.7	88.3	93.3	95.1	95.5	96.1	96.5	97.0	97.0	97.1	97.1
IV 400	48.8	54.1	65.6	69.5	75.8	81.7	84.7	88.3	93.3	95.1	95.5	96.3	97.4	98.3	98.3	98.4	98.4
IV 300	48.8	54.1	65.6	69.5	75.8	81.7	84.7	88.3	93.3	95.1	95.5	96.3	97.7	99.3	99.3	99.5	99.5
IV 200	48.8	54.1	65.6	69.5	75.8	81.7	84.7	88.3	93.3	95.1	95.5	96.3	97.7	99.3	99.3	99.5	99.5
IV 100	48.8	54.1	65.6	69.5	75.8	81.7	84.7	88.3	93.3	95.1	95.5	96.3	97.7	99.3	99.3	99.5	99.5
IV 0	48.8	54.1	65.6	69.5	75.8	81.7	84.7	88.3	93.3	95.1	95.5	96.3	97.7	99.3	99.3	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 921

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

60-70

5CT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.8	≥0.6	≥0.5	≥0.4	≥0.3	≥0
NO CEILING																
IV 20000	17.8	19.2	24.8	25.3	26.7	28.8	29.3	29.8	30.2	30.7	30.7	30.8	30.9	30.9	30.9	30.9
IV 18000	24.3	26.0	32.9	33.6	35.8	38.4	39.3	40.2	41.2	41.9	41.9	42.2	42.4	42.4	42.4	42.4
IV 16000	24.3	26.0	32.9	33.6	35.8	38.4	39.3	40.2	41.2	41.9	41.9	42.2	42.4	42.4	42.4	42.4
IV 14000	24.3	26.0	32.9	33.6	35.8	38.4	39.3	40.2	41.2	41.9	41.9	42.2	42.4	42.4	42.4	42.4
IV 12000	24.4	26.1	33.0	33.7	36.0	38.5	39.4	40.3	41.3	42.0	42.0	42.4	42.5	42.5	42.5	42.5
IV 10000	27.0	28.7	35.7	36.5	38.9	41.5	42.4	43.3	44.3	44.9	44.9	45.3	45.4	45.4	45.4	45.4
IV 9000	29.4	31.1	38.2	39.1	41.5	44.2	45.1	46.1	47.1	47.8	47.8	48.1	48.2	48.2	48.2	48.2
IV 8000	32.6	34.7	42.1	43.1	45.5	48.3	49.2	50.2	51.2	51.9	51.9	52.2	52.4	52.4	52.4	52.4
IV 7000	36.3	38.4	46.1	47.4	50.0	53.1	54.4	55.5	56.5	57.2	57.2	57.6	57.8	57.8	57.8	57.8
IV 6000	37.3	39.4	47.1	48.4	51.1	54.3	55.5	56.7	57.8	58.4	58.4	58.9	59.0	59.0	59.0	59.0
IV 5000	38.8	41.2	49.3	50.7	53.4	56.6	58.1	59.3	60.3	61.1	61.1	61.6	61.7	61.7	61.7	61.7
IV 4500	40.2	42.7	51.1	52.6	55.3	58.5	60.0	61.2	62.2	63.0	63.0	63.5	63.6	63.6	63.6	63.6
IV 4000	43.0	45.6	54.0	55.6	58.2	61.6	63.3	64.6	65.8	66.7	66.7	67.2	67.3	67.3	67.3	67.3
IV 3500	45.4	49.4	58.1	59.7	62.4	65.6	67.4	68.8	70.0	70.9	70.9	71.3	71.3	71.3	71.3	71.3
IV 3000	50.2	53.9	63.5	65.4	68.2	72.0	73.9	75.3	76.5	77.4	77.4	77.9	78.0	78.0	78.0	78.0
IV 2500	53.7	57.3	67.4	69.8	72.9	76.7	78.7	80.1	81.3	82.4	82.4	82.8	82.9	82.9	82.9	82.9
IV 2000	56.0	59.7	70.3	73.0	76.2	80.1	82.0	83.3	84.5	85.6	85.6	86.0	86.1	86.1	86.1	86.1
IV 1800	56.7	60.6	71.3	74.2	77.3	81.5	83.4	84.8	86.0	87.3	87.3	87.8	87.9	87.9	87.9	87.9
IV 1500	57.5	61.9	72.8	75.6	79.3	83.6	85.5	87.1	88.3	89.5	89.5	90.0	90.1	90.1	90.1	90.1
IV 1200	58.8	63.1	74.0	77.2	81.2	86.0	88.0	89.8	91.8	93.0	93.0	93.5	93.6	93.6	93.6	93.6
IV 1000	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 900	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 800	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 700	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 600	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 500	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 400	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 300	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 200	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 100	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8
IV 0	59.0	63.4	74.3	77.4	81.3	86.6	88.9	90.9	93.0	94.3	94.3	94.7	94.8	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS 190

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

61-70
YEARS

QCT
QCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
MS FT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.5	≥.5	≥.5
NO CEILING		17.0	20.6	23.5	25.5	26.5	31.0	32.4	33.3	35.0	35.9	36.3	36.3	36.9	36.9	36.9
≥ 20000		22.2	26.5	30.7	33.0	34.3	39.2	40.8	42.2	44.1	45.4	46.1	46.1	46.7	46.7	46.7
≥ 18000		22.2	26.5	30.7	33.0	34.3	39.2	40.8	42.2	44.1	45.4	46.1	46.1	46.7	46.7	46.7
≥ 16000		22.2	26.8	31.0	33.3	34.6	39.5	41.2	42.5	44.4	45.8	46.4	46.4	47.1	47.1	47.1
≥ 14000		22.2	26.8	31.0	33.3	34.6	39.5	41.2	42.5	44.4	45.8	46.4	46.4	47.1	47.1	47.1
≥ 12000		22.2	26.8	31.0	33.3	34.6	39.5	41.2	42.5	44.4	45.8	46.4	46.4	47.4	47.4	47.4
≥ 10000		23.9	28.8	33.0	35.6	36.9	42.2	43.8	45.1	47.1	48.4	49.0	49.0	50.0	50.0	50.0
≥ 9000		26.5	31.4	35.6	38.2	39.5	44.8	46.4	47.7	50.0	51.3	52.0	52.0	52.9	52.9	52.9
≥ 8000		29.7	34.6	39.5	43.1	44.4	49.7	51.3	52.6	55.6	56.9	57.5	57.5	58.5	58.5	58.5
≥ 7000		33.3	38.2	43.1	46.7	48.0	53.9	55.6	57.2	60.1	61.8	62.4	62.4	63.4	63.4	63.4
≥ 6000		34.0	39.5	44.4	48.0	49.3	55.2	57.2	58.5	62.1	63.7	64.4	64.4	65.4	65.4	65.4
≥ 5000		36.3	42.5	47.7	51.3	52.6	58.5	60.8	62.1	65.7	67.3	68.0	68.0	69.0	69.0	69.0
≥ 4500		37.9	44.1	49.7	53.3	54.6	60.5	62.7	64.1	67.6	69.3	69.9	69.9	70.9	70.9	70.9
≥ 4000		40.2	46.4	52.0	55.6	56.9	63.1	65.4	66.7	70.6	72.3	73.2	73.2	74.2	74.2	74.2
≥ 3500		41.2	47.4	52.9	56.5	57.8	64.1	66.3	67.6	71.9	73.9	74.5	74.5	75.5	75.5	75.5
≥ 3000		44.1	50.7	56.2	60.5	61.8	68.0	70.6	71.9	76.1	78.1	78.8	79.1	80.1	80.1	80.1
≥ 2500		47.1	53.6	59.2	63.4	65.0	71.6	74.2	75.5	79.7	81.7	82.4	82.7	83.7	83.7	83.7
≥ 2000		48.4	54.9	60.5	65.4	67.0	73.5	76.1	77.5	81.7	83.7	84.2	84.6	85.6	85.6	85.6
≥ 1800		48.4	54.9	60.5	65.4	67.0	73.5	76.1	77.5	81.7	83.7	84.2	84.6	85.6	85.6	85.6
≥ 1500		48.4	54.9	60.5	65.4	67.0	73.5	76.1	77.5	81.7	83.7	84.2	84.6	85.6	85.6	85.6
≥ 1200		49.7	56.5	62.1	67.6	69.9	77.5	81.0	82.4	87.6	89.5	90.5	90.8	91.8	91.8	91.8
≥ 1000		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	89.9	91.8	92.8	93.1	94.1	94.1	94.1
≥ 900		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	90.2	92.2	93.1	93.5	94.4	94.4	94.4
≥ 800		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	90.5	92.5	93.5	93.8	94.8	94.8	94.8
≥ 700		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	90.8	92.8	93.8	94.1	95.1	95.1	95.1
≥ 600		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	91.8	93.8	94.8	95.1	96.1	96.1	96.1
≥ 500		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	91.8	94.1	95.1	95.8	97.1	97.1	97.1
≥ 400		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	91.8	94.1	95.1	96.4	97.7	97.7	97.7
≥ 300		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	91.8	94.1	95.4	96.7	98.0	98.4	98.7
≥ 200		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	91.8	94.1	95.4	96.7	98.0	98.4	98.7
≥ 100		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	91.8	94.1	95.4	96.7	98.0	98.4	100.0
≥ 0		50.0	56.9	62.4	68.0	70.3	78.5	82.0	83.7	91.8	94.1	95.4	96.7	98.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 306

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24070 STATION BAD KREUZNACH GERMANY AAF STATION NAME

61764 YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.6	≥.5	≥0
NO CEILING		5.5	5.5	9.9	9.9	9.9	9.9	12.1	12.1	12.1	13.2	13.2	14.3	14.3	14.3	14.3
IV 20000		9.9	9.9	16.5	16.5	16.5	17.6	19.8	19.8	19.8	20.9	22.0	23.1	23.1	23.1	23.1
IV 18000		9.9	9.9	16.5	16.5	16.5	17.6	19.8	19.8	19.8	20.9	22.0	23.1	23.1	23.1	23.1
IV 16000		9.9	9.9	16.5	16.5	16.5	17.6	19.8	19.8	19.8	20.9	22.0	23.1	23.1	23.1	23.1
IV 14000		9.9	9.9	16.5	16.5	16.5	17.6	19.8	19.8	19.8	20.9	22.0	23.1	23.1	23.1	23.1
IV 12000		9.9	9.9	16.5	16.5	16.5	17.6	19.8	19.8	19.8	20.9	22.0	23.1	23.1	23.1	23.1
IV 10000		9.9	11.0	17.6	17.6	17.6	18.7	20.9	20.9	20.9	22.0	23.1	24.2	24.2	24.2	24.2
IV 9000		9.9	11.0	18.7	18.7	18.7	19.8	22.0	22.0	22.0	23.1	24.2	25.3	25.3	25.3	25.3
IV 8000		12.1	13.2	20.9	20.9	22.0	23.1	25.3	25.3	25.3	26.4	27.5	28.6	28.6	28.6	28.6
IV 7000		14.3	16.5	24.2	24.2	25.3	26.4	28.6	28.6	28.6	29.7	30.8	31.9	31.9	31.9	31.9
IV 6000		15.4	18.7	26.4	26.4	27.5	28.6	30.8	30.8	30.8	31.9	33.0	34.1	34.1	34.1	34.1
IV 5000		16.5	19.8	28.6	29.7	30.8	31.9	34.1	34.1	34.1	35.2	36.3	37.4	37.4	37.4	37.4
IV 4500		17.6	20.9	30.8	31.9	33.0	34.1	36.3	36.3	36.3	37.4	38.5	39.6	39.6	39.6	39.6
IV 4000		18.7	22.0	34.1	35.2	36.3	37.4	39.6	39.6	39.6	40.7	41.8	44.0	44.0	44.0	44.0
IV 3500		23.1	27.5	39.6	41.8	42.9	45.1	47.3	47.3	47.3	48.4	49.5	51.6	51.6	51.6	51.6
IV 3000		26.4	31.9	46.2	49.5	50.5	52.7	54.9	54.9	54.9	56.0	57.1	59.3	59.3	59.3	59.3
IV 2500		29.7	36.3	54.9	59.3	61.5	65.9	70.3	70.3	70.3	71.4	73.6	75.8	75.8	75.8	75.8
IV 2000		30.8	38.5	60.4	65.9	68.1	73.6	78.0	78.0	78.0	79.1	81.3	82.4	82.4	82.4	82.4
IV 1800		30.8	38.5	60.4	65.9	68.1	73.6	78.0	78.0	78.0	79.1	81.3	82.4	82.4	82.4	82.4
IV 1500		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 1200		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 1000		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 900		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 800		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 700		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 600		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 500		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 400		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 300		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 200		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 100		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8
IV 0		30.8	38.5	60.4	67.0	69.2	74.7	80.2	80.2	80.2	81.3	84.6	86.8	86.8	86.8	86.8

TOTAL NUMBER OF OBSERVATIONS 91

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

59-70
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥0	
NO CEILING		9.9	11.3	13.3	13.6	14.6	16.4	17.0	17.2	17.9	18.0	18.3	18.5	18.6	18.6	18.6
≥ 20000		10.4	13.0	15.7	16.7	17.8	19.8	20.4	20.6	21.5	21.7	22.1	22.4	22.9	22.9	23.1
IV 18000		10.4	13.0	15.7	16.7	17.8	19.8	20.4	20.6	21.5	21.7	22.1	22.4	22.9	22.9	23.1
IV 16000		10.4	13.0	15.7	16.7	17.8	19.8	20.4	20.6	21.5	21.7	22.1	22.4	22.9	22.9	23.1
IV 14000		10.4	13.0	15.7	16.7	17.8	19.8	20.4	20.6	21.5	21.7	22.1	22.4	22.9	22.9	23.1
IV 12000		10.6	13.2	15.8	16.8	17.9	19.9	20.5	20.8	21.6	21.8	22.2	22.5	23.0	23.0	23.3
IV 10000		11.3	14.1	17.0	18.5	19.6	21.6	22.2	22.4	23.3	23.5	23.8	24.2	24.7	24.7	24.9
IV 9000		12.2	15.2	18.4	20.0	21.1	23.3	23.8	24.1	24.9	25.1	25.5	25.9	26.3	26.3	26.6
IV 8000		14.0	17.1	20.6	22.5	23.8	26.5	27.0	27.3	28.1	28.4	28.7	29.1	29.8	29.8	30.0
IV 7000		14.4	17.9	22.2	24.6	25.9	29.1	29.7	30.1	31.2	31.6	32.1	32.7	33.5	33.5	33.7
IV 6000		14.9	18.7	23.4	25.7	27.0	30.4	31.1	31.6	32.7	33.1	33.7	34.3	35.0	35.0	35.2
IV 5000		15.7	19.7	24.7	27.3	28.6	32.3	33.2	33.7	34.9	35.2	35.8	36.4	37.1	37.1	37.4
IV 4500		16.5	20.5	26.1	29.1	30.5	34.2	35.1	35.7	36.8	37.2	37.8	38.6	39.3	39.4	39.6
IV 4000		18.0	22.3	28.4	31.6	33.2	36.9	37.8	38.4	39.9	40.0	40.6	41.9	42.6	42.7	43.1
IV 3500		19.5	24.0	30.5	34.0	35.8	40.0	41.2	41.9	43.1	43.7	44.2	45.6	46.3	46.4	46.7
IV 3000		24.1	30.5	38.4	42.5	44.4	49.1	50.5	51.3	53.1	53.7	54.4	55.9	56.6	56.7	57.3
IV 2500		27.8	35.7	45.2	50.2	52.4	57.9	59.8	61.0	63.0	63.8	64.7	66.2	67.3	67.4	68.0
IV 2000		30.0	38.6	49.2	54.4	56.7	62.8	65.0	66.4	68.6	69.4	70.2	71.8	72.8	73.0	73.5
IV 1800		30.2	39.0	49.8	55.2	57.5	63.8	66.1	67.5	69.8	70.6	71.4	73.0	74.0	74.1	74.7
IV 1500		31.0	40.5	52.0	57.5	59.9	66.7	69.6	71.5	73.9	75.0	75.8	77.3	78.4	78.5	79.1
IV 1200		31.8	41.5	53.5	59.4	62.2	69.6	73.7	75.6	77.9	79.0	79.8	81.4	82.6	82.7	83.3
IV 1000		31.9	41.6	53.6	59.8	62.5	70.5	74.9	77.0	80.3	81.5	82.3	84.0	85.2	85.3	85.9
IV 900		31.9	41.6	53.6	59.8	62.5	70.8	75.4	77.7	81.3	82.4	83.3	84.9	86.1	86.2	86.8
IV 800		31.9	41.6	53.6	59.9	62.6	70.9	75.7	78.3	82.6	84.0	84.8	86.5	87.7	87.8	88.4
IV 700		31.9	41.6	53.6	59.9	62.6	71.1	75.9	78.8	83.2	84.7	85.5	87.2	88.5	88.6	89.2
IV 600		31.9	41.6	53.6	59.9	62.6	71.1	75.9	78.8	83.5	85.4	86.2	88.0	89.3	89.4	90.0
IV 500		31.9	41.6	53.6	59.9	62.6	71.4	76.3	79.1	84.2	86.1	87.0	89.0	90.6	90.7	91.6
IV 400		31.9	41.6	53.6	59.9	62.6	71.4	76.4	79.2	84.3	86.2	87.1	89.3	91.1	91.2	92.2
IV 300		31.9	41.6	53.6	59.9	62.6	71.4	76.5	79.4	84.5	86.5	87.4	89.9	91.9	92.2	94.2
IV 200		31.9	41.6	53.6	59.9	62.6	71.4	76.5	79.4	84.6	86.6	87.7	90.3	92.4	92.8	95.6
IV 100		31.9	41.6	53.6	59.9	62.6	71.4	76.5	79.4	84.6	86.6	87.7	90.3	92.8	93.1	97.4
IV 0		31.9	41.6	53.6	59.9	62.6	71.4	76.5	79.4	84.6	86.6	87.7	90.3	92.8	93.1	100.0

TOTAL NUMBER OF OBSERVATIONS 843

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZNACH GERMANY AAF

59-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

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		7.1	8.1	9.0	9.6	9.8	12.0	12.4	12.9	13.9	14.2	14.3	14.3	14.6	14.6	14.9
≥ 20000		9.5	11.4	13.1	14.2	15.0	17.8	18.5	19.1	20.3	20.7	20.8	20.8	21.4	21.4	21.9
IV 18000		9.5	11.4	13.1	14.2	15.0	17.8	18.5	19.1	20.3	20.7	20.8	20.8	21.4	21.4	21.9
IV 16000		9.5	11.4	13.1	14.2	15.0	17.8	18.5	19.1	20.3	20.7	20.8	20.8	21.4	21.4	21.9
IV 14000		9.7	11.6	13.4	14.4	15.2	18.1	18.7	19.3	20.5	20.9	21.0	21.0	21.6	21.6	22.1
IV 12000		9.9	11.9	13.6	14.6	15.4	18.3	19.1	19.8	20.9	21.4	21.5	21.5	22.0	22.0	22.5
IV 10000		10.6	12.5	14.4	15.5	16.2	19.2	20.2	20.8	22.0	22.4	22.5	22.5	23.3	23.3	23.8
IV 9000		10.8	12.8	14.9	16.1	17.1	20.4	21.4	22.1	23.3	23.7	23.8	23.8	24.6	24.6	25.1
IV 8000		13.1	15.4	17.8	19.2	20.4	23.9	25.1	26.1	27.5	27.9	28.1	28.1	28.8	28.8	29.4
IV 7000		14.4	17.0	19.8	21.9	22.8	26.9	28.2	29.6	31.1	31.5	31.7	31.8	32.7	32.7	33.2
IV 6000		15.0	17.6	20.6	22.3	23.7	28.1	29.5	31.2	33.0	33.5	33.8	33.9	34.7	34.7	35.3
IV 5000		15.5	18.7	21.8	23.5	25.1	29.8	31.2	33.0	34.8	35.4	35.6	35.7	36.5	36.5	37.1
IV 4500		16.3	19.8	23.0	24.8	26.4	31.2	32.6	34.4	36.2	36.8	37.0	37.1	37.9	37.9	38.5
IV 4000		17.8	21.4	25.7	27.9	29.9	34.8	36.2	38.0	40.1	40.7	40.9	41.0	42.1	42.1	42.8
IV 3500		19.7	23.3	28.2	30.8	32.8	37.8	39.5	41.6	43.7	44.4	44.8	45.1	46.2	46.2	47.0
IV 3000		23.4	28.0	33.2	35.9	38.0	43.8	46.4	48.4	51.3	52.0	52.5	53.0	54.4	54.4	55.2
IV 2500		28.5	34.7	41.3	44.3	47.3	53.7	56.5	59.0	62.0	62.8	63.2	63.9	65.3	65.3	66.1
IV 2000		31.4	37.5	44.8	47.8	51.0	57.6	60.6	63.2	66.7	67.5	67.9	68.7	70.1	70.1	70.9
IV 1800		32.1	38.2	45.5	48.7	51.9	58.7	61.8	64.4	67.8	68.7	69.1	70.0	71.4	71.4	72.2
IV 1500		33.5	40.5	48.4	51.9	55.2	62.6	65.8	68.6	72.2	73.2	73.7	75.0	76.4	76.4	77.3
IV 1200		34.4	42.1	50.3	54.5	58.2	66.5	70.1	73.1	77.4	78.3	78.8	80.1	81.6	81.6	82.7
IV 1000		34.4	42.2	50.5	54.9	58.9	67.4	71.2	74.4	79.2	80.2	80.9	82.5	84.1	84.1	85.1
IV 900		34.5	42.3	50.6	55.0	59.0	67.5	71.5	74.9	79.9	81.0	81.5	83.2	84.8	84.8	85.9
IV 800		34.5	42.3	50.6	55.2	59.2	67.7	71.9	75.6	81.3	82.5	83.0	84.7	86.3	86.3	87.4
IV 700		34.5	42.3	50.6	55.3	59.4	68.1	72.2	76.3	82.2	83.3	83.9	85.7	87.3	87.3	88.6
IV 600		34.5	42.3	50.6	55.3	59.4	68.4	72.6	76.9	83.0	84.2	84.9	87.0	88.9	88.9	90.0
IV 500		34.5	42.3	50.6	55.3	59.4	68.4	72.6	77.1	84.0	85.3	86.0	88.0	90.3	90.3	91.3
IV 400		34.5	42.3	50.6	55.4	59.5	68.5	72.8	77.2	84.1	85.4	86.1	88.5	90.9	90.9	92.2
IV 300		34.5	42.3	50.6	55.4	59.5	68.5	72.8	77.2	84.2	85.6	86.4	89.3	92.3	92.3	93.7
IV 200		34.5	42.3	50.6	55.4	59.5	68.5	72.8	77.2	84.3	85.8	86.6	89.6	92.8	92.8	96.9
IV 100		34.5	42.3	50.6	55.4	59.5	68.5	72.8	77.4	84.3	85.8	86.6	89.6	93.2	93.2	98.9
IV 0		34.5	42.3	50.6	55.4	59.5	68.5	72.8	77.4	84.3	85.8	86.6	89.6	93.2	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS 936

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AAC

CEILING VERSUS VISIBILITY

34070 BAD KREUZACH GERMANY AAF

59-70

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS:LT

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0	≥0
NO CEILING		6.9	8.0	10.0	10.7	11.5	12.6	13.0	13.5	13.5	13.7	13.7	13.7	13.7	13.7	13.8
≥ 20000	12.8	13.0	15.9	17.4	18.6	20.3	20.8	21.3	21.8	22.2	22.4	22.7	22.8	22.8	23.4	
≥ 18000	10.8	13.0	15.9	17.4	18.6	20.3	20.8	21.3	21.8	22.2	22.4	22.7	22.8	22.8	23.4	
≥ 16000	10.8	13.0	15.9	17.4	18.6	20.3	20.8	21.3	21.8	22.2	22.4	22.7	22.8	22.8	23.4	
≥ 14000	11.0	13.3	16.1	17.6	18.8	20.5	21.0	21.5	22.0	22.4	22.6	22.9	23.1	23.1	23.6	
≥ 12000	11.0	13.3	16.1	17.6	18.8	20.5	21.0	21.5	22.0	22.4	22.6	22.9	23.1	23.1	23.6	
≥ 10000	12.4	14.6	17.5	19.0	20.4	22.0	22.6	23.1	23.6	23.9	24.2	24.5	24.6	24.6	25.2	
≥ 9000	13.9	16.1	19.4	20.9	22.4	24.1	24.6	25.1	25.7	26.1	26.3	26.6	25.7	26.7	27.3	
≥ 8000	16.5	18.9	22.6	24.5	25.9	28.1	29.1	29.5	30.2	30.5	30.7	31.1	31.2	31.2	31.7	
≥ 7000	17.5	20.6	24.6	27.3	28.7	30.8	32.0	32.5	33.2	33.6	33.8	34.2	34.3	34.3	34.9	
≥ 6000	17.8	21.2	25.2	28.1	29.6	32.2	33.3	34.0	34.6	35.1	35.3	35.6	35.7	35.7	36.3	
≥ 5000	19.2	23.2	27.3	30.4	32.2	35.0	36.1	36.7	37.4	37.9	38.1	38.4	38.5	38.5	39.1	
≥ 4500	20.3	24.4	28.6	32.0	33.7	36.5	37.6	38.3	39.0	39.4	39.6	40.0	40.1	40.1	40.6	
≥ 4000	21.7	26.2	31.3	34.6	36.6	39.5	40.8	41.5	42.2	42.7	42.9	43.2	43.4	43.4	44.0	
≥ 3500	23.7	28.7	34.1	37.6	40.0	43.0	44.3	45.1	45.8	46.2	46.7	47.2	47.3	47.3	47.9	
≥ 3000	28.6	34.6	41.2	45.5	48.3	51.4	52.9	54.1	55.1	55.9	56.3	56.9	57.2	57.2	57.8	
≥ 2500	35.1	43.4	51.7	56.8	59.8	63.9	65.7	67.1	68.2	69.0	69.5	70.2	70.5	70.5	71.0	
≥ 2000	38.0	45.7	54.0	59.5	62.7	67.0	69.0	70.5	71.8	72.7	73.2	73.9	74.3	74.3	74.8	
≥ 1800	35.4	43.4	51.7	56.8	59.8	63.9	65.7	67.1	68.2	69.0	69.5	70.2	70.5	70.5	71.0	
≥ 1500	39.6	48.0	57.0	62.7	66.1	71.5	73.6	75.1	76.8	78.1	78.6	79.6	79.7	79.7	80.6	
≥ 1200	40.6	49.0	58.5	64.6	68.8	74.9	77.6	79.3	81.3	82.6	83.2	84.1	84.4	84.4	85.3	
≥ 1000	40.8	49.2	59.1	65.6	70.0	76.3	79.0	81.1	83.6	85.0	85.5	86.6	87.0	87.0	88.0	
≥ 900	40.8	49.4	59.4	65.9	70.7	77.4	80.2	82.3	85.3	86.6	87.3	88.4	88.8	88.8	89.8	
≥ 800	40.8	49.4	59.4	65.9	70.7	77.8	80.6	82.9	86.3	87.6	88.3	89.4	89.8	89.8	90.9	
≥ 700	40.8	49.4	59.4	65.9	70.7	78.0	80.7	83.2	87.1	89.1	89.8	90.9	91.2	91.2	92.3	
≥ 600	40.8	49.4	59.4	65.9	70.9	78.3	81.3	84.1	88.5	90.5	91.2	92.3	92.7	92.7	93.8	
≥ 500	40.8	49.4	59.4	65.9	70.9	78.4	81.4	84.4	89.5	92.0	92.8	94.0	94.2	94.2	95.3	
≥ 400	40.8	49.4	59.4	65.9	70.9	78.4	81.4	84.4	89.5	92.0	92.8	94.0	94.2	94.2	95.3	
≥ 300	40.8	49.4	59.4	65.9	70.9	78.4	81.4	84.4	89.5	92.0	92.8	94.0	94.2	94.2	95.3	
≥ 200	40.8	49.4	59.4	65.9	70.9	78.4	81.4	84.4	89.5	92.0	92.8	94.0	94.2	94.2	95.3	
≥ 100	40.8	49.4	59.4	65.9	70.9	78.4	81.4	84.4	89.5	92.0	92.8	94.0	94.2	94.2	95.3	
≥ 0	40.8	49.4	59.4	65.9	70.9	78.4	81.4	84.4	89.5	92.0	92.8	94.0	94.2	94.2	95.3	

TOTAL NUMBER OF OBSERVATIONS 898

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

24070 STATION BAD KREUZNACH GERMANY AAF STATION NAME

59-70 YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0	
NO CEILING	10.7	11.4	14.1	15.7	15.7	16.2	16.3	15.9	17.3	17.4	17.4	17.5	17.7	17.9	17.9	
≥ 2000	15.3	17.5	20.7	22.8	23.0	23.6	24.1	24.9	25.4	25.5	25.9	26.2	26.5	26.6	26.6	
≥ 1800	15.3	17.5	20.7	22.8	23.0	23.6	24.1	24.9	25.4	25.5	25.9	26.2	26.5	26.6	26.6	
≥ 1600	15.3	17.5	20.7	22.8	23.0	23.6	24.1	24.9	25.4	25.5	25.9	26.2	26.5	26.6	26.6	
≥ 1400	15.3	17.6	20.8	23.0	23.1	23.9	24.2	25.0	25.5	25.6	26.0	26.4	26.6	26.7	26.7	
≥ 1200	15.3	17.7	20.9	23.1	23.2	24.1	24.3	25.2	25.6	25.8	26.1	26.5	26.7	26.9	26.9	
≥ 1000	16.9	19.3	22.6	24.8	24.9	25.8	26.0	27.0	27.5	27.6	27.9	28.3	28.6	28.7	28.7	
≥ 900	19.7	21.4	24.9	27.2	27.3	28.2	28.4	29.5	30.0	30.1	30.5	30.9	31.2	31.3	31.3	
≥ 800	21.1	23.9	28.2	31.0	31.2	32.1	32.7	34.0	34.9	35.1	35.5	35.8	36.3	36.5	36.5	
≥ 700	23.0	26.2	31.2	34.3	34.8	35.8	36.4	37.9	38.8	39.0	39.4	39.7	40.2	40.3	40.3	
≥ 600	24.3	27.6	32.7	35.8	36.4	37.5	38.6	40.0	40.8	41.1	41.4	41.8	42.3	42.4	42.4	
≥ 500	25.4	29.2	34.3	37.4	38.4	40.3	41.3	42.6	43.5	43.7	44.1	44.5	45.0	45.1	45.1	
≥ 450	26.9	30.9	36.0	39.2	40.3	42.6	43.5	44.8	45.7	45.9	46.3	46.7	47.1	47.3	47.3	
≥ 400	28.7	33.3	39.0	42.3	43.6	45.8	46.8	48.1	49.2	49.5	49.8	50.2	50.7	50.8	50.8	
≥ 350	32.6	37.3	43.3	46.5	47.9	50.2	51.2	52.7	54.1	54.4	54.9	55.4	55.9	56.0	56.0	
≥ 300	36.1	41.4	48.4	52.4	54.2	56.7	57.7	59.3	61.5	61.8	62.5	63.1	63.5	63.7	63.7	
≥ 250	41.8	48.6	57.1	61.8	64.2	67.0	68.2	69.7	72.2	72.8	73.4	74.1	74.7	74.8	74.8	
≥ 200	42.9	50.1	59.7	64.5	67.2	70.2	71.4	73.2	75.7	76.4	77.0	77.8	78.4	78.5	78.5	
≥ 1800	43.3	50.4	60.0	64.9	67.8	70.6	71.8	73.6	76.1	76.8	77.4	78.1	78.7	78.9	78.9	
≥ 1500	44.0	51.6	62.2	67.6	70.6	74.0	75.9	77.9	80.4	81.4	82.2	83.0	83.6	83.7	83.7	
≥ 1200	44.5	52.5	63.1	68.8	72.2	76.3	79.2	81.2	83.5	84.8	85.7	86.4	87.0	87.1	87.1	
≥ 1000	45.6	53.6	64.3	70.5	74.8	78.7	81.9	84.2	87.2	88.3	89.2	90.0	90.8	91.0	91.4	
≥ 900	45.6	53.6	64.3	70.5	74.7	79.3	82.5	84.9	88.3	89.4	90.4	91.4	92.1	92.3	92.7	
≥ 800	45.6	53.6	64.3	70.5	74.7	79.3	82.5	84.9	88.3	89.7	90.8	92.0	92.7	93.0	93.3	
≥ 700	45.6	53.6	64.3	70.5	74.7	79.3	82.5	85.1	88.6	89.8	90.4	91.5	92.8	93.8	94.2	
≥ 600	45.6	53.6	64.3	70.5	75.1	79.7	82.8	85.4	89.1	90.3	92.0	93.2	94.2	94.4	94.8	
≥ 500	45.6	53.7	64.4	70.6	75.2	80.0	83.1	85.7	89.4	91.4	92.5	93.9	95.0	95.3	95.6	
≥ 400	45.6	53.7	64.4	70.6	75.2	80.0	83.1	85.7	89.4	91.4	92.6	94.0	95.1	95.5	95.9	
≥ 300	45.6	53.7	64.4	70.6	75.2	80.0	83.1	85.7	89.4	91.4	92.6	94.0	95.1	95.5	95.9	
≥ 200	45.6	53.7	64.4	70.6	75.2	80.0	83.1	85.7	89.4	91.4	92.6	94.0	95.1	95.5	95.9	
≥ 100	45.6	53.7	64.4	70.6	75.2	80.0	83.1	85.7	89.4	91.4	92.6	94.0	95.1	95.5	95.9	
≥ 0	45.6	53.7	64.4	70.6	75.2	80.0	83.1	85.7	89.4	91.4	92.6	94.0	95.1	95.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 823

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34070 BAD KRUZNACH GERMANY AAF

61-66-68-69

NDV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING		11.3	11.2	12.6	14.3	14.8	17.5	18.4	19.3	19.3	20.6	20.6	20.6	21.1	21.1	21.1
≥ 20000		13.4	13.9	15.2	18.8	19.3	22.0	23.3	24.2	24.2	25.6	25.6	26.0	26.5	26.5	26.5
IV 18000		13.0	13.9	15.2	18.8	19.3	22.0	23.3	24.2	24.2	25.6	25.6	26.0	26.5	26.5	26.5
IV 16000		13.0	13.9	15.2	18.8	19.3	22.0	23.3	24.2	24.2	25.6	25.6	26.0	26.5	26.5	26.5
IV 14000		13.0	13.9	15.2	18.8	19.3	22.0	23.3	24.2	24.2	25.6	25.6	26.0	26.5	26.5	26.5
IV 12000		13.0	13.9	15.2	18.8	19.3	22.0	23.3	24.2	24.2	25.6	25.6	26.0	26.5	26.5	26.5
IV 10000		13.5	14.3	15.7	19.7	20.2	23.3	24.1	25.6	25.6	26.9	27.4	27.8	28.3	28.3	28.3
IV 9000		13.9	14.8	16.6	21.1	21.5	25.1	26.5	27.4	27.4	28.7	29.1	29.6	30.0	30.0	30.0
IV 8000		16.6	18.4	20.6	25.1	26.0	29.6	30.9	32.3	32.3	33.6	34.1	34.5	35.0	35.0	35.0
IV 7000		17.5	19.3	22.4	27.4	28.3	31.8	33.6	35.0	35.0	36.3	36.8	37.2	37.7	37.7	37.7
IV 6000		17.5	19.3	22.4	27.4	28.3	31.8	33.6	35.0	35.0	36.3	36.8	37.2	37.7	38.1	38.1
IV 5000		18.4	20.6	23.8	28.7	29.6	33.2	35.0	36.3	37.2	39.0	39.5	39.9	40.4	40.4	40.4
IV 4500		19.8	21.1	24.2	29.1	30.0	34.1	35.9	37.2	38.1	39.9	40.4	40.8	41.3	41.3	41.3
IV 4000		22.0	24.2	27.4	33.2	34.1	36.6	40.4	41.7	42.6	44.4	44.8	45.3	45.7	45.7	45.7
IV 3500		23.8	25.9	30.5	36.3	37.7	42.2	43.9	45.3	46.2	48.0	48.4	48.9	49.3	49.3	49.3
IV 3000		26.9	32.3	38.1	44.8	46.6	52.0	54.3	55.6	56.5	58.2	58.7	59.2	59.6	59.6	59.6
IV 2500		30.0	36.8	42.6	50.2	52.5	57.8	61.4	62.8	63.7	65.9	67.3	67.7	68.2	68.2	68.2
IV 2000		30.9	37.7	44.8	52.5	55.6	62.2	65.9	67.3	68.2	70.9	72.6	73.1	73.5	73.5	73.5
IV 1600		30.9	38.6	46.2	53.8	57.4	64.1	67.7	69.1	70.0	72.6	74.4	74.9	75.3	75.3	75.3
IV 1500		31.4	39.0	48.0	56.1	59.6	67.2	71.3	72.6	73.5	76.2	78.0	78.5	78.9	78.9	78.9
IV 1200		32.3	40.8	50.2	58.3	61.9	71.3	73.8	77.1	78.0	80.7	82.5	83.0	83.4	83.4	83.4
IV 1000		33.2	41.7	51.6	59.6	63.7	74.0	79.4	81.2	82.5	85.2	87.9	88.3	88.8	88.8	88.8
IV 900		33.2	41.7	51.6	59.6	63.7	74.9	80.7	82.5	83.9	87.0	89.2	89.7	90.1	90.1	90.1
IV 800		33.2	41.7	51.6	59.6	63.7	74.9	81.2	83.0	84.8	87.9	90.6	91.5	91.9	91.9	91.9
IV 700		33.2	41.7	51.6	59.6	63.7	74.9	81.2	83.0	84.8	88.3	91.0	92.4	92.8	92.8	92.8
IV 600		33.2	41.7	51.6	59.6	63.7	74.9	81.2	83.0	84.8	89.2	91.9	93.3	94.2	94.2	94.2
IV 500		33.2	41.7	51.6	59.6	63.7	74.9	81.6	83.4	85.2	89.7	92.4	94.6	95.5	95.5	95.5
IV 400		33.2	41.7	51.6	59.6	63.7	74.9	81.6	83.4	85.2	89.7	92.4	94.6	96.0	96.0	96.0
IV 300		33.2	41.7	51.6	59.6	63.7	74.9	81.6	83.4	85.2	89.7	92.8	95.1	96.4	96.4	96.4
IV 200		33.2	41.7	51.6	59.6	63.7	74.9	81.6	83.4	85.2	89.7	92.8	95.5	97.8	97.8	97.8
IV 100		33.2	41.7	51.6	59.6	63.7	74.9	81.6	83.4	85.2	89.7	92.8	95.5	97.8	97.8	97.8
IV 0		33.2	41.7	51.6	59.6	63.7	74.9	81.6	83.4	85.2	89.7	92.8	95.5	97.8	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 223

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

66
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

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															
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 C															100.0
															100.0

TOTAL NUMBER OF OBSERVATIONS 1

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34070 BAD KREUZNACH GERMANY AAF

YEAR 61

MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.4	≥0.3	≥0.25	≥0.2	≥0
NO CEILING		5.0	13.1	17.9	20.2	20.2	22.6	23.8	23.8	26.2	26.2	26.2	27.4	27.4	27.4	28.6
≥ 20000	7.1	14.3	21.4	25.0	25.0	27.4	28.6	28.6	31.0	31.0	31.0	32.1	32.1	32.1	33.3	33.3
IV 18000	7.1	14.3	21.4	25.0	25.0	27.4	28.6	28.6	31.0	31.0	31.0	32.1	32.1	32.1	33.3	33.3
IV 16000	7.1	14.3	21.4	25.0	25.0	27.4	28.6	28.6	31.0	31.0	31.0	32.1	32.1	32.1	33.3	33.3
IV 14000	7.1	14.3	21.4	25.0	25.0	27.4	28.6	28.6	31.0	31.0	31.0	32.1	32.1	32.1	33.3	33.3
IV 12000	7.1	14.3	21.4	25.0	25.0	27.4	28.6	28.6	31.0	31.0	31.0	32.1	32.1	32.1	33.3	33.3
IV 10000	8.3	15.5	22.6	26.2	26.2	28.6	29.8	29.8	32.1	32.1	33.3	33.3	33.3	33.3	34.5	34.5
IV 9000	8.3	15.5	22.6	26.2	26.2	28.6	29.8	29.8	32.1	32.1	33.3	33.3	33.3	33.3	34.5	34.5
IV 8000	9.5	16.7	23.8	27.4	27.4	31.0	32.1	32.1	34.5	34.5	34.5	35.7	35.7	35.7	36.9	36.9
IV 7000	10.7	17.9	25.0	28.6	28.6	33.3	34.5	34.5	36.9	36.9	36.9	38.1	38.1	38.1	39.3	39.3
IV 6000	10.7	17.9	25.0	28.6	28.6	33.3	34.5	34.5	36.9	36.9	36.9	38.1	38.1	38.1	39.3	39.3
IV 5000	10.7	19.0	28.6	32.1	32.1	36.9	38.1	38.1	40.5	40.5	40.5	41.7	41.7	41.7	42.9	42.9
IV 4500	10.7	19.0	28.6	32.1	32.1	36.9	38.1	38.1	40.5	40.5	40.5	41.7	41.7	41.7	42.9	42.9
IV 4000	10.7	19.0	28.6	32.1	32.1	36.9	38.1	38.1	40.5	40.5	40.5	41.7	41.7	41.7	42.9	42.9
IV 3500	10.7	21.4	32.1	35.7	35.7	42.9	44.0	44.0	45.2	45.2	47.6	47.6	47.6	48.8	48.8	50.0
IV 3000	10.7	21.4	32.1	35.7	35.7	42.9	44.0	44.0	45.2	45.2	47.6	47.6	47.6	48.8	48.8	50.0
IV 2500	25.0	36.9	54.8	58.3	58.3	65.5	67.9	67.9	73.8	73.8	73.8	75.0	75.0	75.0	76.2	76.2
IV 2000	26.2	38.1	57.1	60.7	60.7	69.0	71.4	71.4	72.6	72.6	77.4	77.4	77.4	78.6	78.6	79.8
IV 1800	26.2	38.1	57.1	60.7	60.7	69.0	71.4	71.4	72.6	72.6	77.4	77.4	77.4	78.6	78.6	81.0
IV 1500	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 1200	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 1000	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 900	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 800	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 700	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 600	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 500	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 400	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 300	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 200	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 100	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5
IV 0	26.2	39.3	58.3	61.9	61.9	73.8	76.2	76.2	77.4	77.4	82.1	82.1	82.1	83.3	83.3	84.5

TOTAL NUMBER OF OBSERVATIONS 84

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/NAAC

CEILING VERSUS VISIBILITY

36070 BAD KREUZNACH GERMANY AAF

59-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.16	≥0.1	≥0	
NO CEILING		6.6	1.4	13.5	14.5	14.9	16.3	17.7	18.1	19.2	19.9	20.0	20.6	20.8	20.8	21.1
≥ 20000		7.8	12.2	15.5	16.9	17.4	19.1	20.8	21.3	22.5	23.1	23.3	23.9	24.2	24.2	24.4
≥ 18000		7.8	12.2	15.5	16.9	17.4	19.1	20.8	21.3	22.5	23.1	23.3	23.9	24.2	24.2	24.4
≥ 16000		7.8	12.2	15.5	16.9	17.4	19.1	20.8	21.3	22.5	23.1	23.3	23.9	24.2	24.2	24.4
≥ 14000		7.9	12.3	15.6	17.0	17.5	19.2	21.0	21.5	22.6	23.2	23.4	24.1	24.3	24.3	24.6
≥ 12000		7.9	12.3	15.6	17.0	17.5	19.2	21.0	21.5	22.6	23.2	23.4	24.1	24.3	24.3	24.6
≥ 10000		8.4	12.9	16.3	17.9	18.4	20.1	21.8	22.3	23.4	24.1	24.6	25.3	25.6	25.6	25.9
≥ 9000		8.6	13.2	16.7	18.6	19.1	20.8	22.6	23.1	24.2	24.8	25.2	26.2	26.4	26.4	26.8
≥ 8000		10.9	16.1	19.9	21.8	22.3	25.3	27.3	27.3	29.0	29.7	30.1	31.0	31.3	31.3	31.6
≥ 7000		11.3	16.5	20.2	22.3	23.3	25.9	27.9	28.4	29.7	30.3	30.8	31.6	31.9	31.9	32.3
≥ 6000		11.3	16.6	20.3	22.6	23.6	26.2	29.2	29.7	30.0	30.6	31.1	32.0	32.3	32.3	32.6
≥ 5000		12.2	17.6	22.2	24.9	26.2	29.0	31.0	31.3	32.9	33.6	34.1	35.0	35.2	35.2	35.6
≥ 4500		13.2	19.0	24.1	26.9	28.2	31.0	33.3	33.7	35.1	35.9	36.4	37.2	37.5	37.5	37.8
≥ 4000		13.6	20.1	25.4	28.4	29.7	32.8	35.4	36.0	37.3	38.2	38.7	39.6	39.8	39.8	40.2
≥ 3500		15.0	22.0	25.2	31.3	32.9	36.0	38.6	39.2	40.7	41.4	41.9	42.8	43.1	43.1	43.4
≥ 3000		18.9	26.4	33.3	37.7	39.5	43.2	46.0	46.8	48.4	48.1	49.6	50.5	50.7	50.7	51.1
≥ 2500		24.2	33.7	43.2	48.8	51.1	55.6	59.2	60.4	62.9	63.6	64.3	65.4	65.6	65.6	66.0
≥ 2000		26.1	36.1	46.3	52.1	53.3	60.7	63.3	65.9	69.6	70.3	71.1	72.2	72.3	72.3	72.8
≥ 1800		26.4	36.8	47.4	53.3	56.6	61.9	65.9	68.2	71.0	71.0	72.3	73.6	73.8	73.8	74.2
≥ 1500		27.3	38.1	48.9	55.2	58.9	65.9	71.1	72.7	75.6	76.7	77.3	78.4	78.7	78.7	79.0
≥ 1200		27.7	39.1	50.7	57.2	61.2	68.4	74.7	75.6	79.9	81.0	81.6	82.8	83.0	83.0	83.4
≥ 1000		28.0	40.1	52.0	58.6	62.5	69.9	76.4	78.3	82.9	84.9	85.5	86.6	86.8	86.8	87.2
≥ 900		28.2	40.4	52.4	59.1	63.0	70.3	77.0	79.2	83.3	85.6	86.2	87.3	87.7	87.7	88.1
≥ 800		28.2	40.4	52.4	59.2	63.2	70.3	77.3	79.4	83.7	86.1	86.7	87.1	88.2	88.2	88.7
≥ 700		28.2	40.4	52.4	59.2	63.2	70.3	77.3	79.9	84.7	87.3	88.1	89.3	89.7	89.7	90.1
≥ 600		28.2	40.4	52.4	59.2	63.2	70.7	78.3	80.3	85.3	88.1	89.1	90.4	90.7	90.7	91.2
≥ 500		28.2	40.4	52.4	59.2	63.2	70.8	79.0	81.3	86.7	89.7	90.6	92.3	92.8	92.8	93.3
≥ 400		28.2	40.4	52.4	59.2	63.2	70.8	79.0	81.3	86.8	90.1	91.4	92.9	94.2	94.2	95.0
≥ 300		28.2	40.4	52.4	59.2	63.2	70.8	79.7	81.9	87.6	90.5	92.4	93.9	95.8	95.8	97.0
≥ 200		28.2	40.4	52.4	59.2	63.2	70.8	79.7	81.9	88.0	91.2	92.9	94.4	96.3	96.3	97.9
≥ 100		28.2	40.4	52.4	59.2	63.2	70.8	79.7	81.9	88.0	91.2	92.9	94.4	96.4	96.4	98.3
≥ 0		28.2	40.4	52.4	59.2	63.2	70.8	79.7	81.9	88.0	91.2	92.9	94.4	96.4	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 806

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AFB
STATION NAME

59-70
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0900-1100
TIME PERIOD

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		5.5	7.5	9.5	10.6	10.6	11.5	12.1	12.7	13.5	14.1	14.5	14.7	14.7	14.7	14.7
IV 20000		8.4	10.5	13.6	14.3	14.3	15.9	16.9	17.5	18.4	19.1	19.4	19.7	20.0	20.0	20.2
IV 18000		8.4	10.5	13.6	14.3	14.3	15.9	16.9	17.5	18.4	19.1	19.4	19.7	20.0	20.0	20.2
IV 16000		8.4	10.5	13.6	14.3	14.3	15.9	16.9	17.5	18.4	19.1	19.4	19.7	20.0	20.0	20.2
IV 14000		8.4	10.5	13.6	14.3	14.3	15.9	16.9	17.5	18.4	19.1	19.4	19.7	20.0	20.0	20.2
IV 12000		8.6	10.7	13.8	14.6	14.6	16.1	17.1	17.7	18.6	19.3	19.6	19.9	20.2	20.2	20.4
IV 10000		9.9	11.0	14.5	15.2	15.2	16.8	18.1	18.8	19.8	20.8	21.0	21.5	21.9	21.9	22.1
IV 9000		9.0	11.3	14.9	15.6	15.7	17.4	18.8	19.8	20.8	21.8	22.3	22.9	23.6	23.6	23.9
IV 8000		10.5	12.3	17.1	17.8	18.1	20.6	22.7	23.8	24.8	26.1	26.6	27.3	28.0	28.0	28.3
IV 7000		12.0	14.3	19.1	20.1	20.5	23.0	25.3	26.5	27.6	28.9	29.4	30.3	30.9	30.9	31.2
IV 6000		12.7	15.1	19.8	20.9	21.4	23.9	26.3	27.5	28.5	29.8	30.4	31.2	31.8	31.8	32.1
IV 5000		13.7	16.2	21.4	22.9	23.9	26.7	29.1	30.3	31.3	32.2	33.7	34.6	35.2	35.2	35.5
IV 4500		14.8	17.8	23.1	24.8	25.9	28.8	31.3	32.6	33.9	35.3	36.6	37.3	37.3	37.3	37.6
IV 4000		16.5	19.4	25.3	27.2	28.3	31.2	33.7	35.2	36.6	38.1	39.5	40.1	40.1	40.1	40.4
IV 3500		18.3	22.2	28.2	30.2	31.3	34.3	37.3	39.1	40.6	42.2	42.8	43.7	44.3	44.3	44.6
IV 3000		21.7	26.6	33.4	36.0	37.2	41.6	44.7	46.5	48.5	50.3	50.8	51.6	52.3	52.3	52.6
IV 2500		27.2	33.1	41.3	44.6	46.1	51.9	56.3	58.3	60.6	62.5	63.5	64.5	65.2	65.2	65.5
IV 2000		28.9	35.1	44.1	47.7	49.3	55.4	60.4	62.4	65.1	67.6	68.6	69.6	70.4	70.4	70.7
IV 1800		29.6	35.9	45.2	49.0	50.6	56.6	61.7	63.7	67.0	69.1	70.1	71.1	71.8	71.8	72.1
IV 1500		31.5	38.3	48.2	52.5	54.1	60.6	65.8	68.3	71.5	73.9	75.0	76.0	77.0	77.0	77.3
IV 1200		33.2	40.2	50.5	56.0	57.9	64.9	70.2	72.9	76.9	79.1	80.2	81.3	82.2	82.2	82.5
IV 1000		33.8	41.0	51.3	56.9	58.7	66.1	71.8	75.0	79.3	82.1	83.4	84.5	85.5	85.5	85.9
IV 900		34.1	41.4	51.6	57.2	59.1	66.4	72.1	75.4	80.1	83.1	84.5	85.7	86.7	86.7	87.2
IV 800		34.1	41.4	51.6	57.2	59.3	66.6	72.6	75.8	80.9	84.2	85.5	86.7	87.9	87.9	88.4
IV 700		34.1	41.4	51.6	57.2	59.3	66.6	72.6	75.8	82.0	85.5	87.3	88.5	89.8	89.8	90.4
IV 600		34.1	41.4	51.6	57.2	59.3	66.8	73.4	76.9	82.6	86.2	88.0	89.1	90.8	90.8	91.3
IV 500		34.1	41.4	51.6	57.2	59.3	66.9	73.8	77.1	82.8	87.2	89.3	90.5	92.5	92.5	93.2
IV 400		34.1	41.4	51.6	57.2	59.3	66.9	73.8	77.1	82.4	87.6	90.1	91.6	93.9	93.9	94.8
IV 300		34.1	41.4	51.6	57.2	59.3	66.9	74.2	77.6	84.1	89.4	91.1	92.7	95.3	95.4	97.1
IV 200		34.1	41.4	51.6	57.2	59.3	66.9	74.2	77.6	84.2	88.8	91.3	92.9	95.6	95.7	98.4
IV 100		34.1	41.4	51.6	57.2	59.3	66.9	74.2	77.6	84.2	88.8	91.3	92.9	95.6	95.7	99.7
IV 0		34.1	41.4	51.6	57.2	59.3	66.9	74.2	77.6	84.2	88.8	91.3	92.9	95.6	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 955

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

36070 BAD KREUZBACH GERMANY AAF

59-70

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400
HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING		5.6	7.8	10.6	11.7	11.8	12.7	13.3	13.6	14.1	14.2	14.3	14.3	14.7	14.7	14.7
≥ 20000		9.4	11.0	14.3	15.4	15.6	16.6	17.3	17.9	18.6	18.9	19.4	19.4	19.6	19.6	19.8
IV 18000		9.4	11.0	14.3	15.4	15.6	16.6	17.3	17.9	18.6	18.9	19.4	19.4	19.6	19.6	19.8
IV 16000		9.4	11.0	14.3	15.4	15.6	16.6	17.3	17.9	18.6	18.9	19.4	19.4	19.6	19.6	19.8
IV 14000		9.4	11.0	14.3	15.4	15.6	16.6	17.3	17.9	18.6	18.9	19.4	19.4	19.6	19.6	19.8
IV 12000		9.5	11.1	14.5	15.6	15.7	16.6	17.4	18.1	18.8	19.2	19.6	19.6	19.8	19.8	20.0
IV 10000		9.7	11.6	15.0	16.1	16.2	17.4	18.1	18.7	19.6	19.9	20.4	20.4	20.6	20.6	20.8
IV 9000		10.4	12.3	15.7	16.8	16.9	18.5	19.5	20.5	21.4	22.0	22.6	22.6	22.9	22.9	23.3
IV 8000		11.6	13.6	17.5	18.8	19.3	21.0	23.0	24.0	25.0	25.7	26.3	26.3	26.6	26.6	27.1
IV 7000		13.5	15.6	20.0	21.4	21.8	24.4	25.8	26.8	27.9	28.8	29.4	29.4	29.6	29.7	30.1
IV 6000		14.0	16.3	20.9	22.3	22.8	25.4	26.8	28.3	29.4	30.2	30.8	30.8	31.1	31.1	31.5
IV 5000		15.7	18.1	22.8	24.2	25.0	27.9	29.0	31.3	32.5	33.4	34.0	34.0	34.3	34.3	34.7
IV 4500		16.3	18.8	23.8	25.3	26.2	29.2	31.1	32.6	33.8	34.7	35.3	35.3	35.6	35.6	36.0
IV 4000		17.7	20.3	25.4	26.9	27.8	31.2	33.1	34.8	36.0	36.9	37.5	37.5	37.8	37.8	38.2
IV 3500		19.4	22.2	28.0	29.9	31.0	34.8	36.8	38.8	40.1	41.1	41.7	41.7	42.2	42.2	42.6
IV 3000		22.1	25.2	31.9	34.0	35.4	40.0	42.7	44.8	46.3	47.3	48.3	48.3	48.7	48.7	49.2
IV 2500		29.7	33.5	42.5	45.7	47.2	52.5	56.5	58.8	61.1	62.5	63.3	63.3	63.9	63.9	64.4
IV 2000		32.9	37.2	47.5	51.5	53.0	59.0	63.5	65.8	68.9	70.6	71.4	71.4	72.1	72.1	72.6
IV 1800		33.3	37.7	48.2	52.1	53.7	59.9	64.4	66.7	69.8	71.5	72.3	72.3	72.9	72.9	73.5
IV 1500		35.5	40.4	51.4	55.5	57.5	64.5	69.2	72.0	75.0	76.9	77.7	77.7	78.3	78.3	78.9
IV 1200		37.8	43.4	54.8	59.7	62.1	69.8	75.1	78.1	81.4	83.7	84.4	84.4	85.3	85.3	85.9
IV 1000		38.0	43.8	55.4	60.7	63.1	71.2	77.2	80.3	84.0	86.3	87.1	87.1	88.2	88.2	88.9
IV 900		38.3	44.1	55.8	61.0	63.4	71.9	78.0	81.3	85.1	87.6	88.4	88.4	89.3	89.3	90.5
IV 800		38.3	44.1	55.8	61.1	63.5	72.3	78.6	81.9	86.0	88.6	89.4	89.4	90.4	90.4	91.7
IV 700		38.3	44.2	55.9	61.3	63.7	72.6	79.1	82.7	86.9	89.8	90.6	90.6	91.7	91.7	93.2
IV 600		38.3	44.2	55.9	61.3	63.7	72.7	79.3	82.9	87.2	90.3	91.0	91.0	92.3	92.3	93.6
IV 500		38.3	44.2	55.9	61.3	63.7	73.1	79.8	83.6	88.1	91.0	92.4	92.4	93.8	93.8	95.6
IV 400		38.3	44.2	55.9	61.3	63.7	73.1	80.0	83.9	88.6	92.2	93.1	93.1	94.4	94.4	96.9
IV 300		38.3	44.2	55.9	61.3	63.7	73.1	80.0	83.9	88.6	92.4	93.9	93.9	95.0	95.0	97.6
IV 200		38.3	44.2	55.9	61.3	63.7	73.1	80.0	83.9	88.6	92.8	93.9	93.9	95.3	95.3	98.2
IV 100		38.3	44.2	55.9	61.3	63.7	73.1	80.0	83.9	88.6	92.8	93.9	93.9	95.3	95.3	99.1
IV 0		38.3	44.2	55.9	61.3	63.7	73.1	80.0	83.9	88.6	92.8	93.9	93.9	95.3	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 913

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 3407J BAD KREUZMACH GERMANY AAF

YEARS 59-70

MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NO. OF HRS. OBS. 1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING		5.8	8.4	12.2	13.3	13.5	15.1	15.8	16.1	16.4	16.5	16.5	16.5	16.5	16.5	16.5
≥ 20000		9.3	11.0	13.3	16.4	15.7	18.7	20.1	20.8	21.5	21.7	22.0	22.1	22.2	22.2	22.2
≥ 18000		9.3	11.0	13.3	16.4	16.7	18.7	20.1	20.8	21.5	21.7	22.0	22.1	22.2	22.2	22.2
≥ 16000		9.3	11.0	13.3	16.4	16.7	18.7	20.1	20.8	21.5	21.7	22.0	22.1	22.2	22.2	22.2
≥ 14000		9.3	11.0	13.3	16.4	16.7	18.7	20.1	20.8	21.5	21.7	22.0	22.1	22.2	22.2	22.2
≥ 12000		9.6	11.3	13.5	16.6	17.0	19.0	20.3	21.1	21.7	22.0	22.2	22.3	22.5	22.5	22.5
≥ 10000		9.8	11.7	15.5	17.3	17.4	19.4	20.7	21.5	22.1	22.3	22.6	22.7	22.8	22.8	22.8
≥ 9000		11.2	13.3	17.5	18.9	19.2	21.3	22.8	23.6	24.2	24.4	24.7	24.8	24.9	24.9	25.1
≥ 8000		13.3	15.4	20.1	21.6	22.1	24.7	26.3	27.3	28.4	28.7	28.9	29.0	29.2	29.2	29.3
≥ 7000		13.9	16.1	21.1	22.8	23.4	26.3	28.0	29.0	30.1	30.4	30.6	30.8	30.9	30.9	31.0
≥ 6000		14.0	16.3	21.3	23.2	23.9	26.9	28.7	29.7	30.8	31.0	31.3	31.4	31.5	31.5	31.6
≥ 5000		14.9	17.5	23.4	25.6	26.4	29.5	31.6	32.8	34.0	34.3	34.7	34.9	35.0	35.0	35.1
≥ 4500		15.8	18.4	24.7	26.9	27.6	30.9	33.0	34.1	35.4	35.9	36.1	36.2	36.4	36.4	36.8
≥ 4000		17.9	21.0	27.7	29.9	30.8	34.0	36.1	37.2	38.6	39.2	39.5	39.7	39.8	39.8	40.0
≥ 3500		19.5	23.0	30.1	32.5	33.4	36.8	39.0	40.1	41.4	42.6	42.8	43.1	43.2	43.2	43.3
≥ 3000		23.6	27.0	35.0	37.3	38.2	42.4	44.8	46.0	47.9	49.3	49.5	49.8	49.9	49.9	50.0
≥ 2500		30.3	34.6	44.3	47.3	48.6	55.5	58.6	60.2	62.0	63.5	63.8	64.3	64.4	64.4	64.5
≥ 2000		34.1	38.7	49.0	52.4	53.7	61.0	64.4	66.4	69.0	70.6	70.8	71.2	71.5	71.5	71.6
≥ 1800		34.2	38.8	49.4	52.7	54.1	61.4	64.8	66.7	69.4	71.0	71.2	71.7	71.8	71.8	72.0
≥ 1500		36.2	41.4	52.2	56.2	58.1	65.6	69.2	71.8	74.2	75.9	76.3	76.8	77.3	77.3	77.4
≥ 1200		38.6	44.3	56.0	60.3	62.2	71.8	75.3	77.3	80.5	82.3	83.4	83.9	84.4	84.4	84.5
≥ 1000		39.8	45.8	57.4	62.0	64.0	74.1	77.5	79.8	83.7	85.0	86.7	87.4	88.2	88.2	88.7
≥ 900		40.3	46.4	58.2	62.9	64.9	74.9	78.4	80.9	85.0	87.2	88.0	89.0	89.5	89.6	90.0
≥ 800		40.4	46.6	58.6	63.3	65.3	75.9	79.7	82.3	86.6	89.2	90.1	91.1	91.4	91.7	92.1
≥ 700		40.4	46.8	58.6	63.3	65.3	75.9	79.8	82.4	87.1	90.1	90.9	91.9	92.4	92.6	92.9
≥ 600		40.4	46.8	58.6	63.3	65.3	75.9	79.8	82.4	87.1	90.1	90.9	91.9	92.4	92.6	92.9
≥ 500		40.4	46.8	58.6	63.3	65.3	75.9	79.9	83.0	87.8	90.8	91.7	92.8	93.7	93.8	94.2
≥ 400		40.4	46.8	58.6	63.3	65.3	75.9	80.0	83.0	88.5	91.6	92.6	93.7	95.0	95.0	95.9
≥ 300		40.4	46.8	58.6	63.3	65.3	75.9	80.0	83.0	88.7	91.8	93.1	94.2	95.7	95.8	96.8
≥ 200		40.4	46.8	58.6	63.3	65.3	75.9	80.0	83.0	89.1	92.2	93.4	94.5	96.0	96.2	98.1
≥ 100		40.4	46.8	58.6	63.3	65.3	75.9	80.0	83.0	89.1	92.2	93.4	94.5	96.0	96.2	98.5
0		40.4	46.8	58.6	63.3	65.3	75.9	80.0	83.7	89.2	92.3	93.5	94.7	96.2	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 806

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

61-66,68-69
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

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		8.5	10.4	13.2	14.6	14.6	17.9	18.9	19.3	19.8	20.3	20.3	20.3	20.3	20.3	20.3
IV 20000	9.0	10.8	13.7	15.6	15.6	19.3	20.3	21.2	22.6	23.1	23.1	23.6	23.6	23.6	23.6	
IV 18000	9.0	10.8	13.7	15.6	15.6	19.3	20.3	21.2	22.6	23.1	23.1	23.6	23.6	23.6	23.6	
IV 16000	9.0	10.8	13.7	15.6	15.6	19.3	20.3	21.2	22.6	23.1	23.1	23.6	23.6	23.6	23.6	
IV 14000	9.0	10.8	13.7	15.6	15.6	19.3	20.3	21.2	22.6	23.1	23.1	23.6	23.6	23.6	23.6	
IV 12000	9.0	10.8	13.7	15.6	15.6	19.3	20.3	21.2	22.6	23.1	23.1	23.6	23.6	23.6	23.6	
IV 10000	9.4	11.3	14.2	16.0	16.0	19.8	20.8	21.7	23.1	23.6	23.6	24.1	24.1	24.1	24.1	
IV 9000	9.9	11.8	14.6	16.5	16.5	20.3	21.2	22.2	23.6	24.1	24.1	24.5	24.5	24.5	24.5	
IV 8000	11.3	13.2	16.5	18.4	18.4	22.2	24.1	25.0	27.4	27.8	27.8	28.3	28.3	28.3	28.3	
IV 7000	11.8	13.7	17.0	19.8	19.8	23.6	25.9	26.9	29.2	29.7	29.7	30.2	30.2	30.2	30.2	
IV 6000	11.8	13.7	17.0	19.8	19.8	24.1	26.4	27.4	29.7	30.2	30.2	30.7	30.7	30.7	30.7	
IV 5000	12.3	14.6	18.4	21.2	21.2	25.5	28.3	29.2	31.6	32.5	32.5	33.0	33.0	33.0	33.0	
IV 4500	13.7	16.0	19.8	23.1	23.1	27.4	30.2	31.1	33.5	34.4	34.4	34.9	34.9	34.9	34.9	
IV 4000	13.7	16.0	21.2	24.5	24.5	29.2	32.1	33.0	35.4	36.3	36.3	37.3	37.3	37.3	37.3	
IV 3500	17.0	20.3	25.9	29.7	29.7	34.4	37.3	38.2	41.0	42.5	42.5	42.9	42.9	42.9	42.9	
IV 3000	18.9	22.2	29.2	33.0	33.0	38.7	41.5	42.9	46.2	47.6	47.6	48.1	48.1	48.1	48.1	
IV 2500	22.6	26.4	34.0	38.2	38.2	45.3	48.1	49.5	52.8	54.7	54.7	55.2	55.2	55.2	55.2	
IV 2000	27.4	31.1	39.2	43.9	44.3	53.3	56.1	57.5	60.8	62.7	62.7	64.2	64.2	64.2	64.2	
IV 1800	27.8	31.6	40.1	44.8	45.3	54.2	57.1	59.0	62.3	65.1	65.1	65.6	65.6	65.6	65.6	
IV 1500	28.3	34.4	44.3	49.5	50.5	59.9	62.7	64.6	68.9	72.2	72.2	72.6	72.6	72.6	72.6	
IV 1200	30.2	36.8	47.6	54.2	55.7	65.6	68.4	70.3	76.4	79.7	79.7	80.2	80.2	80.2	80.2	
IV 1000	31.1	39.2	50.0	56.6	58.0	68.9	72.2	74.3	81.6	85.8	85.8	86.3	86.3	86.3	86.3	
IV 900	31.1	39.2	50.0	56.6	58.0	68.9	72.2	74.3	82.1	86.3	86.3	87.3	87.3	87.3	87.3	
IV 800	32.1	40.1	50.9	57.5	59.0	69.0	73.6	75.9	83.5	88.2	88.2	89.2	89.2	89.2	89.2	
IV 700	32.1	40.6	51.4	58.0	59.4	70.3	74.1	76.4	84.0	88.7	88.7	89.6	89.6	89.6	89.6	
IV 600	32.1	40.6	51.4	58.0	59.4	70.3	74.1	76.9	85.4	90.1	90.6	91.5	91.5	91.5	91.5	
IV 500	32.1	40.6	51.4	58.0	59.9	70.8	74.5	77.8	86.3	91.0	91.5	92.5	92.5	92.5	92.5	
IV 400	32.1	40.6	51.4	58.0	59.9	70.8	74.5	78.3	86.8	92.9	93.4	94.3	94.3	94.3	94.3	
IV 300	32.1	40.6	51.4	58.0	59.9	70.8	74.5	78.3	87.3	93.9	94.3	95.3	95.3	95.3	95.3	
IV 200	32.1	40.6	51.4	58.0	59.9	70.8	74.5	78.3	87.7	93.9	94.3	96.2	96.2	96.2	96.2	
IV 100	32.1	40.6	51.4	58.0	59.9	70.8	74.5	78.3	87.7	93.9	94.3	96.2	96.2	96.2	96.2	
IV 0	32.1	40.6	51.4	58.0	59.9	70.8	74.5	78.3	87.7	93.9	94.3	96.2	96.2	97.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 212

DATA PROCESSING DIVISION
 USAF ETAC
 ATR WEATHER SERVICE/14C

CEILING VERSUS VISIBILITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

66
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS FT

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2	
NO CEILING										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 20000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 18000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 16000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 14000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 12000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 10000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 9000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 8000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 7000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 6000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 5000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 4500										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 4000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 3500										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 3000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 2500										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 2000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 1800										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 1500										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 1200										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 1000										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 900										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 800										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 700										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 600										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 500										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 400										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 300										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 200										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 100										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0
IV 0										50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

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

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

SKY COVER

34070 BAD KREUZNACH GERMANY AAF

59-70

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	7.3	2.1	2.8	2.4	1.8	1.5	2.2	2.2	5.9	5.6	66.2	8.2	3629
FEB		8.7	3.0	2.0	3.4	3.0	2.7	3.5	2.4	6.0	7.0	58.6	7.8	3375
MAR		8.0	3.7	2.1	7.9	7.5	7.2	2.5	2.9	6.2	5.7	43.7	6.9	4093
APR		9.6	2.9	4.3	4.4	7.3	3.6	4.4	4.1	9.2	7.6	42.7	7.0	4176
MAY		5.1	4.4	4.0	4.3	5.8	4.2	5.0	5.4	12.4	9.3	40.3	7.2	4202
JUN		9.3	5.1	3.4	5.7	6.2	5.3	5.1	5.6	9.5	9.4	35.4	6.7	4192
JUL		6.4	4.5	2.3	4.5	8.4	7.8	4.0	4.2	11.9	11.8	34.7	7.0	4100
AUG		7.0	5.6	2.5	5.2	5.2	4.4	5.1	6.0	11.7	10.2	37.1	7.0	4203
SEP		8.9	16.5	2.6	4.7	12.8	2.9	3.8	2.9	6.6	9.8	28.6	5.7	3930
OCT		9.6	3.5	3.8	3.1	3.6	2.4	3.2	2.9	6.4	8.0	53.4	7.4	4080
NOV		4.1	1.9	1.8	2.3	2.8	2.5	2.9	3.4	6.0	7.3	64.5	8.4	3813
DEC		12.1	1.4	1.8	1.9	1.9	1.0	1.6	1.9	4.3	11.0	61.2	7.9	3776
TOTALS		8.0	4.6	2.8	4.2	5.5	3.8	3.6	3.7	8.0	8.6	47.4	7.3	47569

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

SKY COVER

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

60-70

PERIOD

JAN
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH:	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02													
	03-05	16.2	3.0	5.1	3.0			2.0		4.0	2.0	64.6	7.3	99
	05-08	8.6	1.4	2.3	2.0	3.0	3.0	1.5	1.8	4.6	4.3	67.5	8.1	800
	09-11	4.3	1.4	1.8	1.8	2.4	1.9	1.4	3.0	6.3	7.3	68.3	8.6	901
	12-14	4.1	2.1	2.4	2.4	2.3	1.9	1.9	2.9	6.8	8.1	65.2	8.4	864
	15-17	5.1	2.7	2.4	3.0	2.0	1.5	3.0	2.9	6.1	8.1	63.2	8.2	791
	18-20	5.7	1.7	2.9	2.3	1.1	.6	3.4	2.3	7.5	4.0	68.4	8.4	174
	21-23													
	TOTALS	7.3	2.1	2.8	2.4	1.8	1.5	2.2	2.2	5.9	5.6	66.2	8.2	3629

7
 DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/VAC

SKY COVER

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

50-70

PERIOD

MAR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS			
		0	1	2	3	4	5	6	7	8	9			10		
MAR.	00-02				33.3	33.3	33.3								4.0	3
	03-05	21.8	1.3	2.6	3.8	2.6			1.3	5.1		61.5	6.9	78		
	06-08	9.4	4.5	3.1	4.3	3.5	3.0	2.4	2.1	5.8	7.4	54.6	7.4	949		
	09-11	7.5	5.9	2.9	4.0	3.0	2.8	2.9	2.4	8.6	6.8	38.2	7.5	966		
	12-14	5.0	4.3	3.1	3.4	2.5	3.4	4.2	5.4	9.9	9.4	48.3	7.6	929		
	15-17	7.2	4.6	2.2	3.5	3.8	3.5	4.8	4.7	7.1	8.0	30.5	7.5	880		
	18-20	8.2	5.0	1.1	3.2	3.6	4.3	3.2	4.7	6.8	8.6	31.3	7.5	279		
	21-23															
TOTALS		8.6	3.7	2.1	7.9	7.5	7.2	2.5	2.9	6.2	5.7	45.7	6.9	4093		

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/WAC

SKY COVER

24070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

60-70

PERIOD

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
APR	00-02														
	03-05	6.9	3.8	3.1	4.6	6.2	5.4	3.8	5.4	3.8	5.4	51.5	7.3	130	
	06-08	9.6	4.5	2.5	5.2	4.0	3.0	3.9	4.4	6.9	8.2	47.9	7.2	929	
	09-11	8.6	3.7	2.7	2.5	5.4	4.4	4.8	3.0	10.4	7.1	47.3	7.3	949	
	12-14	5.2	3.4	1.8	3.2	2.9	4.5	5.5	5.8	12.6	12.4	42.5	7.6	924	
	15-17	4.0	2.7	1.9	3.4	4.2	4.1	6.8	6.1	13.2	10.8	42.3	7.6	888	
	18-20	5.9	2.1	2.1	6.5	7.1	3.6	5.9	4.2	12.2	9.2	41.2	7.3	337	
	21-23	26.3		15.8	5.3	21.1				3.3		26.3	4.4	19	
	TOTALS	9.6	2.9	4.3	4.4	7.3	3.6	4.4	4.1	9.2	7.6	42.7	7.0	4176	

DATA PROCESSING DIVISION
 DTIC/USAF
 AIR WEATHER SERVICE/TAC

SKY COVER

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
PERIOD

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM FOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02													
	03-05	7.4	7.0	9.4	6.3	10.2	2.3	1.6	5.5	6.3	.8	43.0	6.3	128
	06-08	9.3	7.0	4.1	4.4	4.6	2.5	3.1	3.6	9.0	9.4	42.9	6.9	944
	09-11	5.4	4.2	1.9	4.2	4.2	4.9	5.0	4.9	13.3	10.6	39.1	7.3	937
	12-14	2.6	2.1	2.4	3.1	5.2	4.7	7.5	5.7	16.0	12.8	37.9	7.7	935
	15-17	1.4	1.8	2.0	4.9	4.8	2.9	5.8	6.6	16.4	12.8	37.7	7.7	905
	18-20	3.3	4.2	3.9	3.0	6.0	4.8	6.9	6.3	11.3	9.3	41.2	7.4	335
	21-23													
TOTALS		5.1	4.4	4.0	4.3	5.8	5.2	5.0	5.4	12.4	9.3	40.3	7.2	4202

DATA PROCESSING DIVISION
 WTAC/USAF
 AIR WEATHER SERVICE/TAC

SKY COVER

34070 3AD KREUZNACH GERMANY AAF
 STATION STATION NAME

60=70 PERIOD

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS		
		0	1	2	3	4	5	6	7	8	9			10	
JUL	00=02											33.3	50.7	9.7	3
	03=05	12.7	7.9	4.8	9.1	4.0	1.6	7.1	7.1	8.7	4.8	31.7	5.9	126	
	06=08	12.9	7.8	4.6	5.7	5.6	4.7	3.2	3.6	8.0	8.5	36.5	6.3	929	
	09=11	10.6	5.1	2.2	4.4	6.5	5.3	5.0	5.1	11.3	11.4	32.2	6.6	944	
	12=14	3.3	4.9	1.8	6.7	4.2	6.8	7.1	7.0	13.3	12.0	33.2	7.2	914	
	15=17	3.0	5.0	2.0	5.7	7.4	5.3	4.6	6.1	11.4	13.3	35.2	7.2	862	
	18=20	4.7	5.6	3.1	3.8	6.3	5.3	4.7	5.0	8.8	11.0	41.7	7.2	319	
	21=23					33.3	33.3			33.3			5.7	3	
TOTALS		6.7	4.5	2.5	4.5	6.4	7.8	4.0	4.2	11.0	11.8	34.7	7.0	4100	

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/TAC

SKY COVER

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

60-70
 PERIOD

AUG
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (UST)	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														
	03-05	6.0	9.1	4.5	6.8	3.8	2.3	3.0	9.1	12.1	3.8	38.6	6.6	132	
	06-08	10.3	8.7	2.6	5.2	4.8	3.7	3.6	3.1	7.8	10.3	39.7	6.6	534	
	09-11	3.2	4.2	3.3	5.1	6.3	5.1	4.1	5.9	11.2	10.6	35.8	6.9	965	
	12-14	5.5	3.3	1.1	4.2	3.8	2.5	3.9	6.6	14.9	14.2	34.8	7.4	989	
	15-17	4.7	3.5	.9	3.7	5.2	6.1	6.7	6.2	15.0	12.9	34.6	7.4	869	
	18-20	6.2	4.3	2.2	5.2	7.1	3.4	7.4	4.9	9.3	9.6	39.2	7.0	324	
	21-23														
	TOTALS	7.0	5.6	2.5	5.2	5.2	4.4	5.1	6.0	11.7	10.2	37.1	7.0	4203	

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

SKY COVER

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

60=70

PER OD

SEP
 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	
SEP	00-02	100.0												1.0	1
	03-05	23.1	4.3	5.1	8.5	3.4	3.4	2.6	3.4	5.1	3.4	37.6	5.6	117	
	06-08	6.9	6.6	3.5	5.8	5.3	5.2	3.9	2.9	7.0	10.7	42.2	7.0	882	
	09-11	10.5	0.6	4.0	5.2	3.8	2.8	4.3	3.7	2.5	9.1	40.5	6.7	897	
	12-14	9.1	4.4	3.0	6.0	4.6	3.1	6.4	6.4	11.0	11.9	34.2	6.8	872	
	15-17	10.0	4.9	2.7	5.8	4.5	4.4	7.1	3.8	10.0	9.8	37.1	6.8	844	
	18-20	11.8	5.1	2.6	6.1	5.4	3.5	6.1	2.6	11.5	8.3	37.1	6.6	313	
	21-23					75.0					25.0		5.3	4	
TOTALS		8.9	16.5	2.6	4.7	12.8	2.9	3.8	2.9	6.6	9.8	28.6	5.7	3930	

1
DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAAC

SKY COVER

34C70 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60=70
PERIOD

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00=02													
	03=05	14.0	4.0	8.0	3.0	5.0		1.0	4.0	3.0	7.0	51.0	6.8	100
	06=08	6.1	3.4	2.7	2.8	2.5	3.2	2.2	1.9	6.6	7.8	61.1	8.0	914
	09=11	6.2	2.9	2.5	2.7	2.6	2.3	1.9	1.8	6.6	10.0	60.3	8.1	950
	12=14	9.6	3.0	2.5	2.9	3.9	3.4	4.2	3.5	8.3	7.9	50.8	7.4	920
	15=17	10.4	3.7	3.1	3.0	3.6	2.2	6.2	3.4	8.7	8.9	46.7	7.2	890
	18=20	11.1	4.2	3.9	4.6	3.9	3.3	3.9	2.9	5.2	6.5	50.3	7.1	306
	21=23													
	TOTALS	9.6	3.5	3.8	3.1	3.6	2.4	3.2	2.9	6.4	8.0	53.4	7.4	4080

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

SKY COVER

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

59-70
PERIOD

DEC
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
DEC	00-02											100.0	10.0	1
	03-05	16.7		4.8	3.6	3.6		1.2	3.6	6.0	1.2	59.5	7.2	84
	06-08	9.9	1.5	2.1	3.5	2.2	1.1	3.6	2.4	4.6	6.1	63.0	7.9	805
	09-11	5.4	2.1	1.0	1.6	2.1	2.0	2.1	2.3	7.3	9.4	64.5	8.5	955
	12-14	4.2	2.9	1.2	2.1	1.3	1.9	2.4	2.6	6.1	9.3	66.0	8.5	912
	15-17	5.0	1.6	2.5	2.5	2.5	1.0	1.5	2.7	6.5	7.6	66.7	8.4	805
	18-20	5.7	2.0	2.8	1.9	3.8	1.9	1.9	1.9	3.3	4.2	69.8	8.3	212
	21-23	30.0										50.0	4.5	2
	TOTALS	12.1	1.4	1.8	1.9	1.9	1.0	1.6	1.9	4.3	11.0	61.2	7.9	3776

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 DATA NO. 1
 - b. Daily minimum temperature DATA NO. 2
 - c. Daily mean temperature DATA NO. 3
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 ^{DATE} maximum temperature
 - b. Extreme ^{DATE} minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
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 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may 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 (σx). The number of observations used in the computations 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:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DATA PROCESSING DIVISION
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PSYCHROMETRIC SUMMARY

34070 BAD KREUZBACH GERMANLY AAF
STATION STATION NAME

59-70 YEARS

ALL MONTHS

PAGE 1

ALL MONTHS

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 B.	Wet Bulb	Draw Point																	
96/95																																			7	7				
94/93																																				21	21			
92/91																																					40	40		
90/89																																					62	63		
88/87																																					118	118		
86/85																																					207	207		
84/83																																					258	258		
82/81																																					359	369		
80/79																																					540	540		
78/77																																					685	685		3
76/75																																					809	809		11
74/73																																					1056	1056		63
72/71																																					1214	1214		184
70/69																																					1419	1419		23
68/67																																					1656	1656		98
66/65																																					1916	1916		169
64/63																																					2017	2017		510
62/61																																					2212	2212		982
60/59																																					2299	2299		1530
58/57																																					2297	2297		2060
56/55																																					2234	2234		2487
54/53																																					1933	1933		2752
52/51																																					1922	1922		2909
50/49																																					1982	1982		3234
48/47																																					1978	1978		2881
46/45																																					2089	2089		2684
44/43																																					1960	1960		2644
42/41																																					1868	1868		2533
40/39																																					1955	1955		2680
38/37																																					1883	1883		2392
36/35																																					1825	1825		2570
34/33																																					1771	1771		2601
32/31																																					1295	1295		2405
30/29																																					996	996		1761
Element (X)	Σx²		Σx		Σ		Σx		No. Obs.		Mean No. of Hours with Temperature						Total																							
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F																			
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

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

DATA PROCESSING DIVISION
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 AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZVACH GERMANY AAF

60-70

JAN

STATION

STATION NAME

YEAR

PAGE 1

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24-25	26-27	28-29	30	31	0-31	D.B. WB	Dry Bulb	Wet Bulb	Dew Point														
58/57				.0	.1															2	2																
56/55																				2	2																
54/53			.0	.1	.1															9	9																
52/51			.1	.0	.4	.0														41	41	2															
50/49			.4	.0	.2	.1														53	53	18	4														
48/47	.0		.9	1.3	.3	.0														94	94	54	10														
46/45	.1	1.6	1.2	.4																120	120	82	43														
44/43	.3	2.8	2.4	.0	.0															222	222	138	79														
42/41	.7	3.3	2.2	.2																230	230	189	123														
40/39	.7	4.7	1.7	.2																238	238	273	163														
38/37	1.6	5.4	1.3	.1																310	310	350	248														
36/35	1.9	6.4	1.2																	342	342	316	338														
34/33	3.2	6.2	1.3																	387	387	432	417														
32/31	2.5	5.3	.9																	312	312	330	407														
30/29	2.1	3.9	1.0																	252	252	287	343														
28/27	1.8	3.3	.9	.0																219	219	224	219														
26/25	1.0	4.2	.4																	206	206	223	193														
24/23	.5	3.0	.5																	146	146	159	165														
22/21	.9	2.4	.2																	127	127	163	151														
20/19	.3	1.7	.3																	90	91	106	153														
18/17	.1	1.4	.1																	56	56	77	138														
16/15	.2	.9																		39	39	49	106														
14/13	.2	.6																		31	31	44	63														
12/11	.3	.4																		27	27	28	59														
10/9	.3	.2																		19	19	24	48														
8/7	.1	.2																		10	12	13	40														
6/5	.1	.1																		7	8	10	38														
4/3	.0	.1																		5	3	2	30														
2/1	.1	.1																		4	4	6	13														
0/0	.1	.1																		4	4	4	10														
2/3	.1	.0																		3	3	4	7														
4/5																							4														
6/7																							4														
8/9																							4														
Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

USAF/ETAC
 JAN 64

DATA PROCESSING DIVISION
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 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAG REUZMACZ GERYA V AAF 69-70
 STATION STATION NAME YEARS

JAN
 MONTH

PAGE 2 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	Dry Po	...								
-10/-11																																					
TOTAL	19,4	59,6			2,3																								3633					3629			

Element (X)	Σx'	Σx	x̄	s _x	No. Obs.	Mean no. of Hours with Temperature						Total																								
						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Rel. Hum.	25541812	301970	83,2	10,693	3629																															
Dry Bulb	4303073	120721	33,2	8,961	3633	1,4	319,7																													744
Wet Bulb	3894979	114843	31,6	8,476	3629	1,6	359,8																												744	
Dew Point	3292372	103608	28,6	9,614	3629	6,2	451,4																												744	

USAFETAC FORM NO. 64 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

34070 BAF HAFUZ-401 GSK Army 3AF

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RES

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	24	25	26	27	28	29	30	31	DR	W.B.	Dry Bulb	Wet Bulb	Dew Point			
62/ 1				.1	.2	.0																						7	7						
60/ 59				.1	.1	.0																						9	9						
58/ 57		.0			.0	.0																						7	7						
56/ 55			.2		.0	.0																						9	9	7	1				
54/ 53		.1	.4	.1	.2	.1																						35	35	13	1				
52/ 51		.4	1.3	.6	.2	.1																						90	90	13	6				
50/ 49	.0	.7	1.6	.9	.4																							115	115	39	11				
48/ 47		1.2	1.7	1.0	.4																							146	146	93	42				
46/ 45		2.1	2.8	.7	.1																							161	161	139	57				
44/ 43	.3	2.5	1.8	.5	.2																							175	175	179	100				
42/ 41	.5	3.3	2.4	.5	.1																							234	234	224	127				
40/ 39	.9	5.3	3.1	.8	.1																							345	345	271	222				
38/ 37	.4	6.1	2.8	.7	.0																							328	328	302	234				
36/ 35	1.1	6.4	2.3	.6	.0																							366	360	383	315				
34/ 33	1.2	4.8	2.1	.3	.0																							295	295	343	361				
32/ 31	1.5	4.6	1.5	.3	.0																							266	284	348	353				
30/ 29	.8	4.5	1.1	.1	.0																							222	222	254	281				
28/ 27	1.5	3.7	.5	.0	.0																							195	195	269	230				
26/ 25	.8	1.6	.5																									107	107	133	262				
24/ 23	.5	1.0	.5																									61	61	79	200				
22/ 21	.2	.8	.4																									45	45	53	147				
20/ 19	.4	.9	.1																									45	46	49	93				
18/ 17	.2	.4																										22	22	43	85				
16/ 15	.1	.2																										11	11	14	48				
14/ 13	.1	.2																										8	8	9	51				
12/ 11	.2	.2																										13	13	16	32				
10/ 9	.2	.2																										16	16	16	22				
8/ 7	.2	.1																										12	12	13	41				
6/ 5	.3	.0																										11	11	13	19				
4/ 3	.2	.1																										10	10	10	13				
2/ 1	.1																											3	3	3	12				
0/ -1	.2																											6	6	6	12				
-2/ -3	.0																											1	1	1	8				
-4/ -5																																7			
Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature							Total																						
Rel. Hum.						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM AT OSOREE
 JUL 61

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3407C
STATION

3AD KREUZNACH GERVA Y AAF
STATION NAME

60-70
YEAR

FEB

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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	DB	WB	Dry Bulb	Wet Bulb	Dew Point		
-6 / -7																									3378		3378	
TOTAL	12.0	51.9	26.1	7.7	1.0	.4	.2																		3378	3378	3378	
Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total																
Rel. Hum.	21937857	269088	79.70	2.202	3378	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																
Dry Bulb	4682851	121959	36.1	9.120	3379	1.4	210.2					672																
Wet Bulb	4105056	114320	33.8	8.363	3378	1.4	214.3					672																
Dew Point	3355412	101770	30.1	9.257	3378	6.0	370.2					672																

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAA

PSYCHROMETRIC SUMMARY

34070 BAD KREUZACH GERMANY AAF

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MAR

STATION

STATION NAME

YEARS

PAGE 1

ALL

NO. MO. YR.

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													
74/73								.0	.0										3	3															
72/71								.0	.0										4	4															
70/69								.1	.0										4	4															
68/67								.0	.1	.1	.0								9	9															
66/65								.1	.1	.1									11	11															
64/63						.2	.2	.2	.0										24	24															
62/61					.0	.2	.4	.0	.0										26	26	3														
60/59					.2	.3	.3	.2	.1										45	45	1														
58/57			.1	.3	.5	.2	.2												52	52	5														
56/55		.1	.4	.8	.5	.3	.1	.1											91	91	24	1													
54/53		.0	.9	1.3	1.0	.3	.0	.0											149	149	55	2													
52/51		.3	1.6	1.7	1.0	.4	.0												218	218	62	10													
50/49		1.1	2.5	2.5	1.4	.2	.1												322	322	147	34													
48/47		1.6	3.2	2.4	.7	.3	.0												342	342	242	83													
46/45	.2	2.3	3.5	2.3	.9	.2													385	385	327	152													
44/43	.1	3.1	3.8	1.7	.7	.2													392	392	415	233													
42/41	.4	3.0	3.7	1.5	.6														379	379	459	305													
40/39	.6	3.1	2.4	1.1	.3														308	308	433	373													
38/37	.4	3.0	2.5	1.5	.0														305	305	404	410													
36/35	.5	3.6	2.7	.4															293	293	362	411													
34/33	.4	3.1	2.1	.3															242	242	343	388													
32/31	.4	2.3	.6	.2															144	144	287	372													
30/29	.2	2.2	.4	.1															122	122	187	312													
28/27	.3	1.1	.3																69	69	125	269													
26/25	.3	1.3	.1																70	70	86	220													
24/23	.1	.7	.0																34	34	59	156													
22/21	.1	.3	.0																17	17	26	135													
20/19	.0	.1																	5	5	11	102													
18/17	.1	.0																	5	5	6	44													
16/15		.1																	4	4	4	31													
14/13	.0	.1																	5	5	3	14													
12/11	.0	.0																	4	4	6	11													
10/9	.0	.0																	4	4	4	5													
8/7	.0	.0																	2	2	3	4													
Ele. (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Ref. s. n.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

DATA PROCESSING DIVISION
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 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

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MAR

STAT STATION NAME

PAGE 2

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												
0/5	.1	.0																																6	6	5	6		
4/3																																					1	3	
2/1																																					0	3	
0/-1																																					3	3	
TOTAL	4.3	2.7	1.3	0.4	0.4	3.3	1.0	.5	.1																												4095	4095	4095

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Rel. Hum.	22600921	298463	72.914	14.383	4095							
Dry Bulb	7641882	173228	42.3	6.757	4095		89.2	3.6	.5			744
Wet Bulb	6520034	158038	38.6	7.345	4095		147.7					744
Dew Point	4897739	137875	33.7	7.902	4095	.5	307.6					744

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

DATA PROCESSING DIVISION
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PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

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STATION

STATION NAME

YEARS

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ALL MONTHS

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	LB	WB	Dry Bulb	Wet Bulb	Dew Point															
86/85																																	2	2			
84/83																																					
82/81																																					
80/79																																					
78/77																																					
76/75																																					
74/73																																					
72/71																																					
70/69																																					
68/67																																					
66/65																																					
64/63																																					
62/61																																					
60/59																																					
58/57																																					
56/55																																					
54/53																																					
52/51																																					
50/49																																					
48/47																																					
46/45																																					
44/43																																					
42/41																																					
40/39																																					
38/37																																					
36/35																																					
34/33																																					
32/31																																					
30/29																																					
28/27																																					
26/25																																					
24/23																																					
22/21																																					
20/19																																					
Element (X)	ΣX^2		ΣX		\bar{X}		s^2		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																																					

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

USAFETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

MAY
MONTH

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ALL
NO. OF 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															
90/ 89																																		2	2		
88/ 87																																		2	2		
86/ 85																																		6	6		
84/ 83																																		14	14		
82/ 81																																		35	35		
80/ 79																																		64	64		
78/ 77																																		71	71		
76/ 75																																		84	84		
74/ 73																																		102	102		
72/ 71																																		144	144		4
70/ 69																																		152	152		14
68/ 67																																		181	181		25
66/ 65																																		265	265		72
64/ 63																																		293	293		137
62/ 61																																		388	388		168
60/ 59																																		359	359		227
58/ 57																																		426	426		331
56/ 55																																		389	389		491
54/ 53																																		338	338		541
52/ 51																																		232	232		559
50/ 49																																		190	190		545
48/ 47																																		159	159		387
46/ 45																																		119	119		274
44/ 43																																		79	79		177
42/ 41																																		48	48		123
40/ 39																																		27	27		59
38/ 37																																		22	22		44
36/ 35																																		8	8		15
34/ 33																																		3	3		8
32/ 31																																		3	3		1
30/ 29																																					
28/ 27																																					
26/ 25																																					
24/ 23																																					
Element (X)	Σx'		Σx		x̄		σ _x		No. Obs.		Mean No. of Hours with Temperature						Total																				
R-l. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 JAP KREUZNACH GERMANY AAF 60-70 STATION STATION NAME YEARS

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		
TOTAL	1.1	14.1	17.6	15.9	15.4	13.2	9.8	6.6	3.5	1.7	.9	.1													4205	4205	4205
																					4205						4205

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F		= 93 F
Rel. Hum.	18258751	268401	63.8	17.084	4205							
Dry Bulb	15204454	249920	59.4	9.134	4205	.5	151.6	67.2	16.1			744
Wet Bulb	11851025	21976	52.3	6.234	4205	.7	7.6					744
Dew Point	9124646	192844	46.1	6.700	4205	19.5						744

USAFETAC FORM AR 61 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

34070 BAC KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

JUN

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											
92/ 91																																			4	4		
90/ 89																																			16	16		
88/ 87																																			22	22		
86/ 85																																			48	48		
84/ 83																																			67	67		
82/ 81																																			99	99		
80/ 79																																			122	122		
78/ 77																																			196	196		
76/ 75																																			213	213	1	
74/ 73																																			271	271	5	
72/ 71																																			261	261	21	
70/ 69																																			296	296	69	
68/ 67																																			313	313	181	
66/ 65																																			347	347	303	
64/ 63																																			355	355	415	
62/ 61																																			317	317	493	
60/ 59																																			323	323	568	
58/ 57																																			279	279	510	
56/ 55																																			202	202	443	
54/ 53																																			165	165	408	
52/ 51																																			120	120	329	
50/ 49																																			76	76	207	
48/ 47																																			43	43	133	
46/ 45																																			16	16	64	
44/ 43																																			12	12	17	
42/ 41																																			9	9	18	
40/ 39																																			1	1	7	
38/ 37																																			1	1	38	
36/ 35																																			2	2	3	
34/ 33																																						
32/ 31																																						
TOTAL	1.	113.	314.	014.	813.	712.	210.	49.	65.	62.	81.	39.	65.	62.	81.	39.	65.	62.	81.	39.	65.	62.	81.	39.	65.	62.	81.	39.	65.	62.	81.	39.	65.	62.	81.	39.	65.	
																																				4196	4196	4196

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

Element (X)	Zx'	Zx	X	n	No. Obs.	Mean No. of Hours with Temperature				Total		
						≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F	
Rel. Hum.	18463797	269825	84.1	17,200	4196							720
Dry Bulb	18585386	276614	65.9	9,133	4196			330.8	181.5	54.7		720
Wet Bulb	14234214	243318	58.0	3,872	4196			47.5	1.0			720
Dew Point	11630072	219540	52.3	6,242	4196			.5	2.7			720

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

60-70
 YEARS

JUL
 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 Point											
96/ 95																																		5	5		
94/ 93																																		9	9		
92/ 91																																		20	20		
90/ 89																																		47	47		
88/ 87																																		60	60		
86/ 85																																		61	61		
84/ 83																																		99	99		
82/ 81																																		130	130		
80/ 79																																		178	178		
78/ 77																																		178	178		
76/ 75																																		179	179		3
74/ 73																																		247	247		36
72/ 71																																		267	267		81
70/ 69																																		289	289		157
68/ 67																																		320	320		248
66/ 65																																		342	342		320
64/ 63																																		354	354		421
62/ 61																																		345	345		447
60/ 59																																		307	307		535
58/ 57																																		231	231		562
56/ 55																																		176	176		495
54/ 53																																		112	112		328
52/ 51																																		58	58		230
50/ 49																																		40	40		149
48/ 47																																		14	14		52
46/ 45																																		12	12		20
44/ 43																																		2	2		5
42/ 41																																		1	1		1
40/ 39																																					
38/ 37																																					
36/ 35																																					
34/ 33																																					
TOTAL	1.0	12.1	14.9	14.3	12.3	12.5	11.0	9.5	5.7	3.3	2.1	.9	.3	.1																				4103	4103		4103
Element (X)	Σx²		Σx		R		Σx		No. Obs.		Mean No. of Hours with Temperature					Total																					
Rel. Hum.	17863834		261294		63,717,272		4103		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total																
Dry Bulb	19263509		278475		57,99,409		4103						382.4		223.6		96.5		2.5		744																
Wet Bulb	14693324		244374		59,65,814		4103						96.8		8.7						744																
Dew Point	12095963		221403		54,06,022		4103						14.0								744																

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAE KREUZACH GER. A. Y. WAF 60-70

AUG
 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 Point										
96/95																																		2	2				
94/93																																		12	12				
92/91																																			16	16			
90/89																																			18	18			
88/87																																			34	34			
86/85																																			57	57			
84/83																																			58	58			
82/81																																			80	80			
80/79																																			125	125			
78/77																																			160	160			
76/75																																			209	209		1	
74/73																																			228	228		22	
72/71																																			282	282		61	
70/69																																			327	327		121	
68/67																																			415	415		198	
66/65																																			402	402		299	
64/63																																			365	365		409	
62/61																																			348	348		558	
60/59																																			318	318		578	
58/57																																			239	239		636	
56/55																																			182	182		517	
54/53																																			128	128		374	
52/51																																			97	97		223	
50/49																																			52	52		114	
48/47																																			30	30		57	
46/45																																			15	15		25	
44/43																																			8	8		13	
42/41																																			1	1		3	
40/39																																							
38/37																																							
36/35																																							
34/33																																							
TOTAL	1.7	17.7	15.5	13.7	12.1	12.9	10.3	7.7	4.7	1.9	1.0	.6	.2	.0																						4208	4208		4208
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.		Mean No. of Hours with Temperature										Total																						
Rel. Hum.	20177008	282060	67.0	17.379	4208		= 0 F	= 32 F	= 6 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb	18957925	279989	66.5	8.833	4208				357.7	176.6	58.5	2.5	744																										
Wet Bulb	14860310	249024	59.2	5.416	4208				71.3	4.1			744																										
Dew Point	12485922	228054	54.2	5.470	4208				5.1				744																										

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

USAFETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR SUPPORT SERVICE/AC

PSYCHROMETRIC SUMMARY

34C70 BAD KREUZBACH GERMANY AAF
 STATION STATION NAME

60-70
 YEARS

SEP
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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	DB WB	Dry Bulb	Wet Bulb	Dew Point										
86/85									.2	.1	.1																					13	13			
84/83									.1	.1	.2	.1																				17	17			
82/81								.1	.1	.3	.1	.0																				20	20			
80/79						.0	.0	.1	.2	.3	.2	.1																				32	32			
78/77					.0	.0	.3	.5	.5	.2	.1																					61	61			
76/75					.0	.4	.7	1.0	.3	.1																						96	96			
74/73					.1	.7	1.4	1.2	.2	.2																						148	146			
72/71					.4	1.4	1.2	.7	.5	.0																						165	165	17		
70/69				.2	1.0	1.9	1.4	.9	.5	.1																						232	232	19		
68/67				.6	1.6	1.6	1.3	1.1	.2																							258	258	76	5	
66/65		.3	1.3	1.4	1.6	1.8	.9	.2																								293	293	144	20	
64/63		.7	1.0	1.5	2.2	1.6	.5	.0																								320	320	275	67	
62/61	.0	1.4	2.3	2.5	2.1	.9	.2	.1																								375	376	331	126	
60/59	.3	1.7	3.2	2.5	2.0	.4	.1																									392	393	331	258	
58/57	.6	2.3	3.7	2.1	.9	.2	.0																									356	356	467	392	
56/55	.9	3.4	2.7	1.0	.2	.1																										326	326	596	791	
54/53	.7	2.6	1.2	.4	.1																											201	201	546	473	
52/51	.6	2.6	.8	.2																												165	165	404	450	
50/49	.8	1.6	.6	.1																												123	123	254	549	
48/47	.4	1.6	.4																													92	92	129	422	
46/45	.7	1.3	.1																													63	63	115	284	
44/43	.4	1.0	.1																													60	60	82	187	
42/41	.3	.5																														32	32	49	130	
40/39	.5	.6																														41	41	43	93	
38/37	.2	.2																														15	15	20	52	
36/35	.1	.1																														6	6	9	14	
34/33	.1	.1																														6	6	6	11	
32/31																																			3	
TOTAL	6.6	21.9	18.1	14.9	15.1	11.4	7.4	3.2	1.1	.4																						3935	3935	3935	3935	

Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ^2	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.	21283916	287090	73.0	16.247	3935			190.7	70.8	11.5		720
Dry Bulb	14930699	239867	61.0	8.866	3935							720
Wet Bulb	12268174	218344	55.5	6.232	3935			20.5				720
Dew Point	10557636	202459	51.5	5.988	3935			.5	.9			720

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

0CT

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																																		6	6			
78/77																																		10	10			
76/75																																		6	6			
74/73																																		19	19			
72/71																																		28	28			
70/69																																		43	43			
68/67																																		87	87		12	
66/65																																		139	139		23	
64/63																																		178	178		32	
62/61																																		192	192		39	
60/59																																		262	262		214	
58/57																																		337	337		274	
56/55																																		422	422		356	
54/53																																		342	342		378	
52/51																																		336	336		359	
50/49																																		321	321		406	
48/47																																		306	306		411	
46/45																																		306	306		458	
44/43																																		214	214		328	
42/41																																		168	168		262	
40/39																																		116	116		176	
38/37																																		67	67		101	
36/35																																		65	65		81	
34/33																																		32	32		54	
32/31																																		33	33		37	
30/29																																		14	14		13	
28/27																																		11	11		19	
26/25																																		1	1		3	
24/23																																		1	1		1	
20/19																																						
TOTAL																																			4082	4082		4082

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	26906683	326327	79.9	14.168	4082	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	11308334	213760	52.4	8.778	4082		10.9	36.3	7.5	4		744
Wet Bulb	9989339	199777	48.9	7.209	4082		12.6	2.2				744
Dew Point	8799497	187251	45.9	7.171	4082		24.8					744

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANLY AAF

59-70

NOV

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Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15-16	17-18	19-20	21-22	23	24-25	26-27	28-29	30	31	D.B. H B	Dry Bulb	Wet Bulb	Dew Point														
66/65				.0	.1																												3	3			
64/52				.1	.1	.0																											5	5			
62/61				.1	.2	.0																											15	15			
60/59				.2	.4	.5	.1																										45	45	4		
58/57			.3	.4	.7	.3	.1																										65	65	7		
56/55	.0	.7	1.3	.7	.4																												119	119	43	9	
54/53		.5	.9	1.0	.2																												103	103	70	35	
52/51		1.3	2.6	1.1	.0	.0																											201	201	111	40	
50/9	.3	2.1	3.2	1.1	.2																												266	266	160	50	
48/47	.4	3.1	3.5	.9	.2	.0																											312	312	292	146	
46/45	.4	4.5	2.9	.6	.1																												325	325	341	223	
44/43	1.2	4.6	2.2	.3	.0																												316	316	293	335	
42/41	1.0	4.8	2.4	.3	.1																												329	329	365	399	
40/39	1.7	6.2	2.4	.2																													326	326	359	415	
38/37	1.1	6.8	1.5	.1																													361	361	399	232	
36/35	1.4	5.3	.8	.1																													239	289	402	405	
34/33	2.4	5.5	.2																														309	309	376	417	
32/31	1.5	2.6	.1																														160	160	236	392	
30/29	.6	2.1	.1																														105	105	129	235	
28/27	.6	.6																															46	46	77	168	
26/25	.2	.2																															19	19	28	93	
24/23	.2	.0																															8	8	14	41	
22/21	.2	.1																															9	9	8	17	
20/19	.1	.1																															7	7	7	31	
18/17		.0																															1	1	3	6	
16/15																																					3
14/13																																					3
12/11																																					1
TOTAL	13.25	51.525		7.7	2.3	.2																												3814	3814		3814

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

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Ref. Hum.	27054402	319720	83.610	0.699	3814	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	6992971	160665	42.1	7.681	3814		67.0					720
Wet Bulb	6253362	152294	39.9	6.760	3814		94.8					720
Dew Point	5470352	142184	37.3	6.673	3814		183.1					720

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3407C BAO - RFLZACH GERMAN Y 1AF
 STATION STATION NAME

59-70
 YEARS

DEC
 MONTH

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ALL
 MONTHS

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			
62/ 51					.0														1	1					
60/ 59				.1	.2	.1													14	14					
58/ 57			.2	.4	.1	.1													32	32	1				
56/ 55			.1	.2	.1	.1													36	36	17	1			
54/ 53			.1	.2	.2	.1													13	13	33	19			
52/ 51			.4	.4	.2	.0													38	38	29	11			
50/ 49	.0	.3	.9	.1															48	48	34	34			
48/ 47	.0	.9	1.5	.1															96	96	47	37			
46/ 45		1.9	2.6	.5															194	194	84	40			
44/ 43	.1	2.2	2.7	.2															194	194	134	68			
42/ 41	.1	2.2	2.7	.2															197	197	229	113			
40/ 39	.5	4.5	2.8	.1															299	299	238	177			
38/ 37	.7	7.3	1.3	.1															361	361	319	241			
36/ 35	1.4	7.0	1.7	.1															390	390	446	341			
34/ 33	3.1	7.2	1.2	.1															441	441	469	472			
32/ 31	2.8	5.6	.9																387	387	429	300			
30/ 29	1.7	4.7	.8																276	276	306	337			
28/ 27	1.7	3.3	.2																197	197	282	293			
26/ 25	1.1	3.2	.2																173	173	179	202			
24/ 23	1.1	1.6	.2																121	121	164	237			
22/ 21	.9	1.2	.1																82	82	86	137			
20/ 19	.8	.9	.1																71	73	65	155			
18/ 17	.5	1.2																	65	65	60	79			
16/ 15	.5	.5																	37	37	55	53			
14/ 13	.4	.3																	25	25	32	67			
12/ 11	.3	.2																	20	20	23	39			
10/ 9	.2	.1																	15	10	12	35			
8/ 7	.1																		4	4	4	26			
6/ 5																						27			
4/ 3																						9			
2/ 1																						1			
TOTAL	18.2	27.4	21.0	2.3	.4														5797	5799	3797	3797			

Element (X)	Zx	X	%	No. Obs.	Mean No of Hours with Temperature					Total	
Rel. Hum.	26970699	317913	32.7	8,630	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 95 F	≥ 93 F	Total
Dry Bulb	4850312	131655	34.7	8,702		282,0					744
Wet Bulb	4971951	125191	33.0	8,012		336,4					746
Dew Point	3714268	114252	30.1	6,533		439,5					746

USAFETAC FORM 0-26-5 (OL A) REVISOR PLACES NOTIONS OF THIS FORM ARE OBSOLETE
 JUN 64

DATA PROCESSING DIVISION
 USAF ETAC
 AIR MATER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 9A KREUZACH GERMANY AAF

62-65

JAN

STATION

STATION NAME

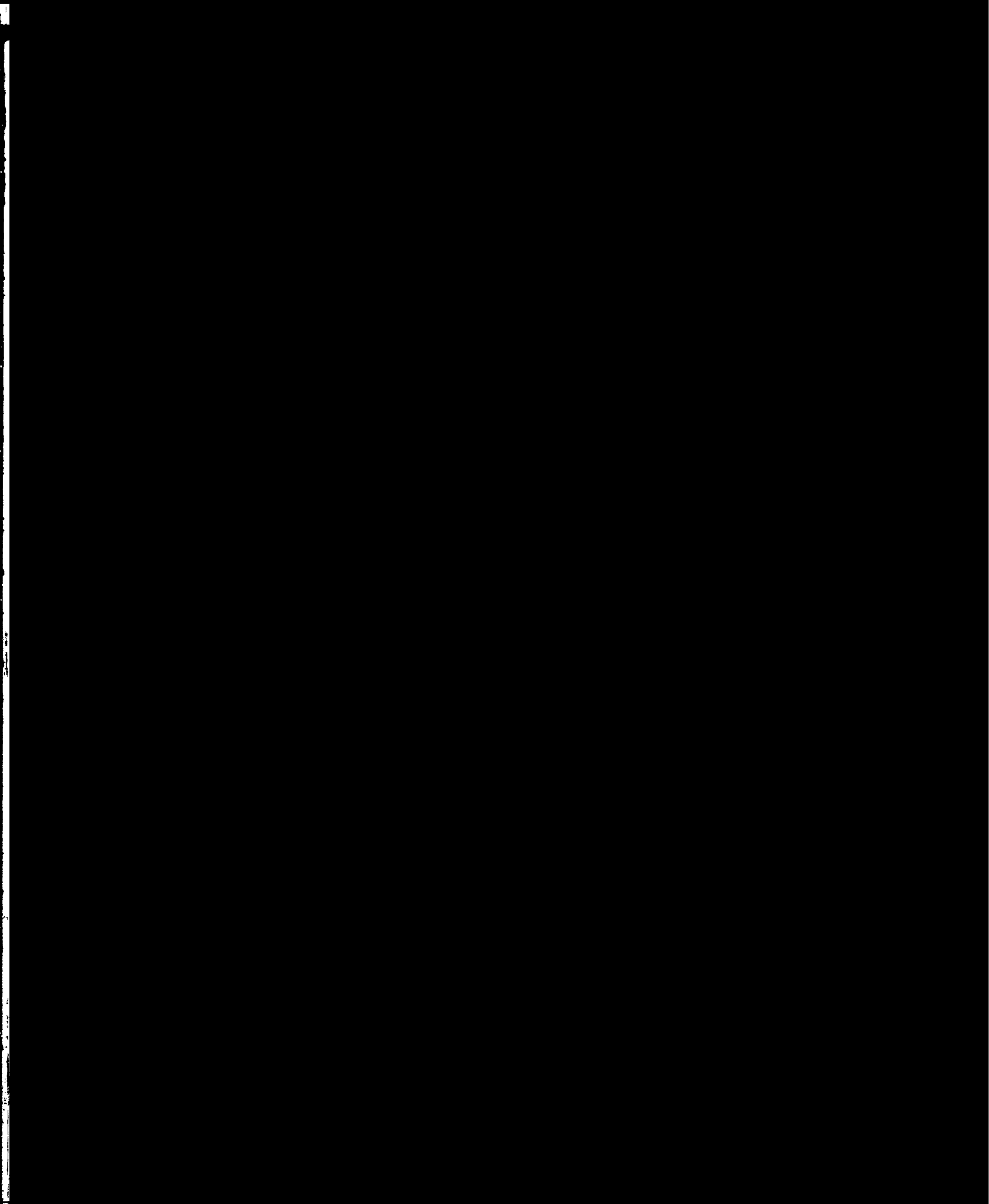
YEARS

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	DB WB	Wet Bulb	Dew Pt.				
50/49		1.0																										1	1						
48/47		3.1	2.0																									5	5	1					
46/45		1.0																										1	1	3	1				
44/43		2.0	1.0																									3	3	3	2				
42/41		2.0	1.0																									3	3	2	4				
40/39		4.1	2.0																									6	6	4	1				
38/37		10.2																										10	10	9	4				
36/35	1.0	6.1																										7	7	8	12				
34/33	1.0	7.1																										8	8	10	3				
32/31	4.1	6.1																										10	10	10	16				
30/29	4.1	3.1																										7	7	9	11				
28/27	4.1	2.0	1.0																									7	7	8	5				
26/25		4.1																										4	4	2	3				
24/23	1.0	4.1																										5	5	4	4				
22/21	3.1	1.0																										4	4	7	2				
20/19		2.0																										2	3	2	4				
18/17		2.0																										2	2	2	5				
16/15	1.0	2.0																										3	3	2	1				
14/13	1.0																											1	1	3	3				
12/11	3.1																											3	3	3	3				
10/9	1.0	2.0																										3	3	2	2				
8/7																														1					
6/5		2.0																										2	2	2					
4/3																																			
2/1																																			
0/w1	1.0																											1	1		2				
w6/w7																																			
TOTAL		35,567.3	7.1																									98	99	98					

Element (X)	Zx'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	712850	8320	84.9	8.185	98	≤ 0 F	≤ 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total
Dry Bulb	99272	2936	29.9	10.399	99	.9	51.7					93
Wet Bulb	91276	2822	28.8	10.161	98	.9	39.0					93
Dew Point	78324	2540	25.9	11.348	98	2.8	67.4					93

USAFETAC FORM 0-2b-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 60-70

JAN

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 Point								
56/55			.1																						1	1									
54/53			.1																						1	1									
52/51		.1	.7																						7	7	1								
50/49		.3	.9																						8	8	3	1							
48/47		.9	1.2	.2																					21	21	11	1							
46/45	.1	.4	1.1	.2																					17	17	15	10							
44/43	.3	1.9	2.9																						48	48	25	13							
42/41	1.0	4.2	1.7																						62	62	38	27							
40/39	.3	4.7	1.2																						56	56	70	31							
38/37	1.3	5.1	.6	.1																					66	66	70	60							
36/35	2.8	6.9	.9																						92	92	85	86							
34/33	4.3	5.4	1.1																						98	98	117	112							
32/31	2.9	5.2	.3																						76	76	78	97							
30/29	2.4	4.6	.4																						69	69	88	79							
28/27	2.0	3.1	.4																						51	51	47	53							
26/25	1.2	5.1	.4																						61	61	54	57							
24/23	.9	3.6																							40	40	49	40							
22/21	1.2	2.2	.1																						32	32	40	40							
20/19	.7	2.1	.2																						27	27	30	41							
18/17	.2	1.1																							12	12	19	29							
16/15	.2	1.4	.1																						16	16	10	35							
14/13	.4	1.2																							15	15	20	12							
12/11	.5	.6																							8	8	12	12							
10/9	.4	.2																							6	6	7	12							
8/7	.2	.2																							4	4	3	15							
6/5	.1																								1	2	3	11							
4/3	.1	.1																							2	2	1	10							
2/1	.1																								1	1	2	4							
0/-1		.1																							1	1	1	2							
-2/-3																									1	1	1	3							
-4/-5																												1	1						
-6/-7																												1	1						
-8/-9																												1	1						
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

34070 EAL KREUZ, H GERVA Y AAF 60-70

JAN
 MONTH

PAGE 1 1200-1400
 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														
56/ 57					.1													1	1																
54/ 53			.2	.1														3	3																
52/ 51		.1	.9	.7														15	15																
50/ 49		.3	1.2	.6														18	18	6	1														
48/ 47	.1	.7	1.7	.3	.1													26	26	18	4														
46/ 45		2.3	1.7	.9														43	43	21	10														
44/ 43	.2	3.7	3.0	.8	.1													68	66	42	23														
42/ 41	.3	2.7	2.9	.6														56	56	57	33														
40/ 39	.9	5.3	2.2															73	73	76	44														
38/ 37	1.5	5.7	1.5	.1														76	76	99	68														
36/ 35	1.5	5.7	2.2															81	81	73	81														
34/ 33	1.4	6.0	1.7															79	79	89	105														
32/ 31	2.0	4.7	1.0															72	72	80	90														
30/ 29	1.2	3.6	2.1															59	59	57	81														
28/ 27	.8	4.6	.0															54	54	55	49														
26/ 25	.7	2.8	.0															35	35	65	35														
24/ 23	.2	2.8	1.3															37	37	25	46														
22/ 21	.7	2.3	.0															31	31	38	38														
20/ 19		1.2	.7															16	16	26	42														
18/ 17		1.0	.1															10	10	16	23														
16/ 15	.1	.7																7	7	12	24														
14/ 13	.1	.1																2	2	6	16														
12/ 11		.2																2	2	2	18														
10/ 9																				1	8														
8/ 7																					8														
6/ 5																					9														
4/ 3																					7														
2/ 1																					1														
TOTAL	11.8	56.0	27.1	4.2	.3													864	864	864	864														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	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.	5684493	69412	80.3	11.132	864							
Dry Bulb	1113507	30191	34.9	8.236	864		33.0					93
Wet Bulb	989262	28448	32.9	7.896	864		41.2					93
Dew Point	814551	25329	29.3	9.134	864		53.3					93

USAFETAC FORM 0-26-5 (D.L.A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 PT. 04

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34076 BAE KREUZBACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

JAN
MONTH

PAGE 1 1500-1700
NO. OF OBS.

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					.1																													1	1				
56/55																																			1	1			
54/53			.1	.2	.3																													5	5				
52/51			.1	.9	.9																													16	16	1			
50/49			.5	1.4	.1	.3																												18	18	8	1		
48/47			1.0	.9	.5																													19	19	15	2		
46/45			2.3	1.9	.8																													36	36	24	11		
44/43	.3		2.8	3.7	1.3																													59	59	32	26		
42/41	.5		3.8	3.5	.3																													64	64	52	31		
40/39	.9		4.5	2.1	.3																													60	60	72	47		
38/37	1.6		5.8	2.8	.1																													82	82	87	56		
36/35	1.9		3.5	2.1																														60	60	71	79		
34/33	2.0		7.0	1.9																														87	87	84	79		
32/31	1.1		3.3	1.5																														49	49	75	82		
30/29	1.4		4.3	1.3																														57	57	47	80		
28/27	1.9		3.3	1.5	.1																													54	54	61	44		
26/25	.8		4.4	.6																														46	46	52	45		
24/23	.1		2.3	.9																														26	26	34	41		
22/21	.4		3.1																															28	28	33	32		
20/19			1.1	.4																														12	12	21	32		
18/17			.9	.1																														8	8	10	36		
16/15			.6																															5	5	11	20		
14/13																																						3	
12/11			.3																																2	2		15	
10/9																																				2	2	14	
8/7																																					5		
6/5																																					3		
4/3																																					3		
2/1																																					2		
*2/-3																																					1		
TOTAL	12,855	5,027	3,404	4.4	.5																														795	795	755	795	
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum.	5247737	63969	80.51	11.252	795	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb	1032315	27909	35.1	8.135	795		33.6					93																											
Wet Bulb	917672	26312	33.1	7.680	795		40.8					93																											
Dew Point	755940	23454	29.5	8.978	795	.1	54.2					93																											

USAFETAC FORM 16-A 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZBACH GERMANY AAF

62-65,67,69-70

JAN

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, W.B.	Dry Bulb	Wet Bulb	Dew Pt.				
52/51			.0																									1	1						
50/49		1.1	.0	.6																								4	4						
48/47		.6	1.7	.6																								5	5	3	2				
46/45		4.0	1.1																									9	9	5	1				
44/43		2.9	.6	.6																								7	7	10	3				
42/41	.6	3.4	1.7	.6																								11	11	8	6				
40/39	.6	5.2	2.3																									14	14	10	13				
38/37	2.3	7.5	1.1																									19	19	24	12				
36/35	1.7	5.7																										13	13	14	19				
34/33	2.3	10.3	.6																									23	23	23	14				
32/31	2.3	5.7	.6																									15	15	15	28				
30/29	2.9	2.3	.6																									10	10	13	17				
28/27	1.1	4.6	1.1																									12	12	9	10				
26/25	1.7	5.2																										12	12	15	4				
24/23	.6	3.4																										7	7	10	12				
22/21	.6	.6																										2	2	5	8				
20/19		.6																										1	1		3				
18/17		3.4																										6	6	4	10				
16/15		.6																										1	1	4	2				
12/11		.6																										1	1		3				
10/9		.6																										1	1	1	2				
8/7																														1	2				
6/5																															1				
0/-1																															1				
-2/-3																															1				
TOTAL	16.7	68.4	12.0	2.3																								174	174	174	174				

Element (X)	ΣX^2	ΣX	\bar{X}	σ_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.	1253211	14663	84.3	10.074	174							93
Dry Bulb	214246	5944	34.2	8.044	174		36.3					93
Wet Bulb	199681	5679	32.6	7.727	174		41.2					93
Dew Point	168429	5183	29.8	9.009	174	1.1	39.6					93

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZACH GERMANY AAF

62-66

PER

STATION

STATION NAME

YEARS

PAGE 1 C300-0500

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	DB	WB	Dry Bulb	Wet Bulb	Dew Point										
48/47			1.1																					1	1												
46/45		2.2																						2	2												
44/43		1.1																						1	1	3											
42/41		3.2	2.2																					5	5	2	1										
40/39	2.2	7.5	1.1																					10	10	5	6										
38/37		5.4	2.2																					7	7	10	4										
36/35	1.1	6.5																						7	7	7	9										
34/33	2.2	3.2																						5	5	8	10										
32/31	4.3	5.4																						9	9	9	8										
30/29	1.1	8.6	1.1																					10	10	6	6										
28/27	1.1	9.7	1.1																					11	11	10	6										
26/25	1.1	6.5	1.1																					9	8	12	5										
24/23	1.1																							1	1	4	8										
22/21	1.1	1.1																						2	2	2	8										
20/19	1.1	1.1																						2	2	3	4										
18/17																												4									
16/15	1.1																							1	1	1	1										
14/13	1.1	1.1																						2	2	1	1										
12/11	1.1																							1	1	2	1										
10/9		2.2																						2	2	2											
8/7																												3									
6/5	4.3																							4	4	4	1										
4/3	1.1																							1	1	1	1										
2/1																												1									
0/0	1.1																							1	1	1	3										
02/03																												1									
04/05																												1									
TOTAL	25.8	64.5	9.7																						93	93	93	93									
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	679592	7916	85.1	7.937	93	= 0 F	= 32 F	< 67 F	= 73 F	= 80 F	< 93 F	Total																									
Dry Bulb	91271	2751	29.6	10.371	93	.9	49.7					84																									
Wet Bulb	83970	2640	28.4	9.906	93	.9	52.6					84																									
Dew Point	71895	2381	25.6	10.903	93	4.5	56.9					84																									

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAF/ETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ SAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERVA, V AAF 60-70

FEB

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	W.B.	Dry Bulb	Wet Bulb	Dew Point																	
56/55			.4																															3	3					
54/53			.1	.3																														3	3		1			
52/51			.1	.3	.4																													6	4		3	2		
50/49			.5	.5	.4																													11	11		4	1		
48/47			1.3	1.2	.5																													23	23		8	7		
46/45			2.4	1.1																														26	26		19	6		
44/43	.7	3.3	.7																															33	33		35	14		
42/41	.7	2.1	1.2																															30	30		38	34		
40/39	1.7	5.3	1.1																															61	61		47	45		
38/37	.8	5.7	1.5																															59	59		53	39		
36/35	1.6	7.7	.8																															78	76		68	60		
34/33	3.0	4.6	.8																															64	64		87	76		
32/31	3.2	5.4	.5																															69	69		70	89		
30/29	2.2	4.2	.5																															53	53		60	62		
28/27	3.8	5.8	.8																															79	79		60	45		
26/25	1.8	3.7	.3																															44	44		69	61		
24/23	1.5	2.0																																26	26		37	46		
22/21	.4	1.3	.1																															14	14		15	34		
20/19	.9	1.8																																21	22		18	23		
18/17	.5	.8																																10	10		16	30		
16/15		.1																																1	1		4	14		
14/13	.1	.1																																2	2		1	8		
12/11	.3	.5																																6	6		7	7		
10/9	.7	.4																																8	8		3	4		
8/7	.5	.4																																7	7		8	10		
6/5	.5	.1																																5	5		7	6		
4/3	.7	.3																																7	7		7	6		
2/1	.4																																	3	3		3	4		
0/-1	.7																																	5	5		5	8		
-2/-3	.1																																	1	1		1	5		
-4/-5																																							5	
-6/-7																																							3	
TOTAL	26.8	60.2	11.7	1.3																															758	759		758	758	
Element (X)	Zx²	Zx	X	Σx	No. Obs.	Mean No. of Hours with Temperature						Total																												
Rel. Hum.	5639734	64986	85.7	9,213	758	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	> 80 F	> 93 F	Total																												
Dry Bulb	868898	24536	32.3	9,995	758	.7	40.1					84																												
Wet Bulb	799271	235.2	31.1	9,481	758	.7	49.6					84																												
Dew Point	693300	21554	28.4	10,306	758	2.3	52.2					84																												

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMAN Y AAF

60-70

FEB

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			
60/39					.1																								1	1					
58/37				.1				.1																					2	2					
56/55				.1																									1	1					
54/53			.1		.4	.2																							6	6	2				
52/51			.6	.2	.2																								9	9	2	1			
50/49	.1		.7	.7	.5	.2																							27	27	7	2			
48/47		1.2	1.3		.5																								25	25	18	9			
46/45		2.4	1.9																										36	36	29	9			
44/43	.5	2.4	1.2	.2	.1																								37	37	43	28			
42/41	.7	4.6	1.6																										57	57	48	32			
40/39	.6	5.7	2.4		.5																								76	76	60	58			
38/37	.2	7.2	1.7																										76	76	62	54			
36/35	2.3	7.9	1.7																										99	99	107	73			
34/33	1.6	6.6	1.7	.1																									83	83	87	91			
32/31	1.2	4.5	1.1	.1																									57	57	89	86			
30/29	1.0	6.0	1.5																										73	73	57	72			
28/27	1.1	4.8	.7																										55	55	76	52			
26/25	1.0	2.5	.2																										31	31	54	67			
24/23	.2	2.0	.2																										21	21	23	49			
22/21	.2	.5	.5																										11	11	18	32			
20/19	.2	.6	.2																										11	11	6	24			
18/17		.4																											3	3	13	24			
16/15	.4	.4																											6	6	5	13			
14/13		.5																											4	4	5	7			
12/11	.5	.4																											7	7	7	6			
10/9	.2	.5																											6	6	3	5			
8/7	.4	.7																											5	5	5	14			
6/5	.2																												2	2	2	8			
4/3		.2																											2	2	2	5			
2/1	.2																												2	2	2	6			
0/ =1																																1			
=2/ =3																																2			
=4/ =5																																1			
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	32 F	+ 67 F	+ 73 F	+ 80 F	+ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 SAC KREUZACH GERMANY AAF
STATION STATION NAME

60-70
YEAR

FEB
MONTH

PAGE 1 1200-1400
TIME PERIOD

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							
62/ 61				.3																						2	2								
60/ 59				.1				.3	.1																	4	4								
58/ 57								.3	.1																	3	3								
56/ 55				.1				.1	.1																	3	3	2							
54/ 53			.1	.6				.3	.1																	9	9	1							
52/ 51		.6	2.8	1.1	.4			.1																		40	40	6	2						
50/ 49		.8	2.1	1.0	.4																					33	33	12	5						
48/ 47		1.1	2.4	.9	.6																					40	40	37	10						
46/ 45		2.0	2.5	1.4	.1																					48	48	44	20						
44/ 43		2.0	3.1	.5																						44	44	39	30						
42/ 41	.5	3.0	3.3	1.0																						62	62	57	33						
40/ 39	.4	5.4	4.4	1.8	.1																					96	96	73	52						
38/ 37	.4	6.6	2.8	1.4	.1																					89	89	87	53						
36/ 35	.5	5.9	4.1	1.5	.1																					97	97	101	93						
34/ 33	.1	3.9	3.5	.4	.1																					64	64	73	84						
32/ 31	.6	3.9	3.1	.5																						64	64	85	78						
30/ 29	.3	3.1	1.1	.4																						39	39	63	64						
28/ 27	.3	2.1	.4	.1																						23	23	50	52						
26/ 25	.1	.4																								9	9	27	62						
24/ 23	.1		.3																							5	5	7	47						
22/ 21	.1	.9	.3																							12	12	11	37						
20/ 19	.4	.4																								6	6	14	19						
18/ 17	.1	.4																								4	4	5	12						
16/ 15	.1																									1	1	3	8						
14/ 13																													8						
12/ 11		.1																								1	1		12						
10/ 9																												1	7						
8/ 7																													8						
6/ 5																													1						
4/ 3																													1						
TOTAL	4.0	2.7	3.5	2.3	2.4	.9	.3																			798	798	798	798						

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

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4679730	60284	75.5	12.556	798	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1237096	30809	38.6	7.737	798		17.3					84
Wet Bulb	1057768	28490	35.7	7.139	798		28.0					84
Dew Point	836043	24921	31.2	8.514	798		43.8					84

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/1AC

PSYCHROMETRIC SUMMARY

3407C BAD KREUZNACH GERMANY AAF

60-70

FEB

STATION

STATION NAME

YEARS

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 W.B.	Dry Bulb	Wet Bulb	Dew P.														
62/61				.3	.3	.1												5	5																
60/59			.1									.4						4	4																
58/57		.1			.1													2	2																
56/55			.3															2	2	3	1														
54/53			1.1	.1	.0	.3												17	17	2	1														
52/51		.5	2.3	.7	.4	.3												33	33	2	1														
50/49		.9	1.4	1.9	1.8													39	39	16	3														
48/47		.6	2.2	2.4	.8													46	46	27	16														
46/45		1.8	2.8	1.1	.1													43	43	39	17														
44/43	.1	2.6	2.4	1.1	.1													47	47	55	24														
42/41	.1	4.3	3.5	1.2	.4													71	71	66	26														
40/39	.8	4.6	5.0	1.1	.4													88	88	74	53														
38/37	.3	5.7	4.3	1.9														91	91	72	73														
36/35		3.1	3.4	1.9														62	62	68	62														
34/33	.4	3.9	2.2	1.9														62	62	70	64														
32/31	.4	3.9	1.5	.4														46	46	79	72														
30/29		3.8	.8	.1														33	33	50	62														
28/27	.5	1.1	.4															13	13	52	56														
26/25	.4	.4	.8															12	12	16	53														
24/23	.3	.1	.5															7	7	5	40														
22/21		.4	.4															6	6	7	50														
20/19	.3	.3	.1															5	5	8	20														
18/17	.1																	1	1	6	13														
16/15																					9														
14/13																					6														
12/11																					3														
10/9																					5														
8/7																					5														
6/5																					2														
TOTAL		3,888	433	716	.1	4.6	.7	.7											739	739	739														

Element (X)	Zy'	Zx	X	%	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	4226054	55024	74,513,227		739							
Dry Bulb	1198867	29225	39,570,643		739		14.4					84
Wet Bulb	1014369	26399	36,469,913		739		25.3					84
Dew Point	792313	23429	31,781,192		739		42.7					84

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

3407C 345. KREUZNACH GERMAN Y AAF
 STATION STATION NAME

62-65,67,69-70
 YEARS

FEB
 MONTH

PAGE 1 1500-2000
 TIME

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			.5																										2	2					
50/ 49			1.3	1.3			.5																										5	5					
48/ 47			3.1	1.3			1.3	1.3																									11	11		3			
46/ 45			.5	3.1																													6	6		8	5		
44/ 43			1.9	2.5			2.5																										11	11		4	4		
42/ 41			2.5	3.1																													9	9		13	1		
40/ 39			5.0	3.1			.5																										14	14		12	7		
38/ 37			2.5	1.5																													6	6		16	9		
36/ 35		.5	10.1	5.																													25	25		12	18		
34/ 33			5.7	5.																													17	17		18	14		
32/ 31		1.9	6.9	2.5			.5																										19	19		22	22		
30/ 29			6.3	.5			.5																										12	12		18	15		
28/ 27		3.1	3.8	.5																													12	12		15	16		
26/ 25			.5	1.3																													3	3		7	14		
24/ 23				.5																													1	1		3	10		
22/ 21																																				2	6		
20/ 19																																				3	3		
18/ 17		1.3	1.3																															4	6		3	2	
16/ 15			1.3																															2	2		1	3	
14/ 13																																				2		1	
12/ 11																																						3	
10/ 9																																						1	
8/ 7																																						1	
6/ 5																																						1	
2/ 1																																						1	
TOTAL			6.9	2.8	2.1	6.3	1.9																												159	159		159	

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\geq 97 F$	
Dry Bulb	215774	3734	36.1	7.543	159		28.0					84
Wet Bulb	187809	5355	33.7	6.932	159		38.6					84
Dew Point	150575	4725	29.7	8.020	159		53.4					86

USAF ETAC FORM 14-1 0-26-5 (CL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 34070 450Z AOM GERMANY AAF

08

MAR

PAGE 1 0700-0200

Temp (F)	WET BULB TEMPERATURE DEPRESSION F																															TOTAL			TOTAL					
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	DB	WB	D. B. F.	W. B. F.	W. B. P.			
44/ 43			06.7																																		2	2		
42/ 41				08.3																																	1	1		
40/ 39																																							2	
38/ 37																																							1	
36/ 35																																							2	
TOTAL			06.7	08.3																																	3	3		3

Element (X)	Zx'	Zx	X	*x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum	19224	240	80.0		3							93
Dry Bulb	5462	128	42.7		3							93
Wet Bulb	4883	121	40.3		3							93
Dew Point	4113	111	37.0		3							93

USAFETAC FORM 0.2-5 (OL A) REV. 1-57 (EDITIONS OF THIS FORM ARE OBSOLETE)

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

3407C BAD KREUZ ACP GERVA Y AAF

62-64,66

MAR

PAGE 1 C300-0500

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 B	Wet Bulb	Dew Pt		
50/49		2.6																																2	2	1			
48/47			1.3																															1	1			2	
46/45		2.6	1.3				1.3																											4	4	1			
44/43			3.8	1.3																														4	4	3		3	
42/41			7.7	1.3																														7	7	6		1	
40/39	1.3	10.3																																9	9	8		6	
38/37	2.6	3.8																																3	3	10		9	
36/35	2.6	2.6																																4	4	3		10	
34/33	1.3	5.1																																5	5	2		5	
32/31	1.3	6.4																																6	6	6		2	
30/29		7.7																																6	6	7		2	
28/27		5.1	1.3																															7	7	3		6	
26/25	1.3	6.4																																6	6	7		7	
24/23		7.7																																6	6	6		4	
22/21		2.6																																2	2	5		4	
20/19																																						1	5
18/17		1.3																																	1	1	1		3
16/15		1.3																																	1	1	1		2
14/13																																							2
12/11																																							1
10/9	1.3	1.3																																2	2	2		1	
8/7																																						1	
6/5																																						1	
4/3																																						1	
2/1																																						1	
TOTAL	14.1	176.2	6.4	1.3																															78	78	78		78
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	577589	6685	85.7	7.771	78	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb	91901	2587	33.2	8.900	78		44.1					93																											
Wet Bulb	85160	2488	31.9	8.678	78		48.9					93																											
Dew Point	74178	2286	29.3	9.637	78		50.1					93																											

USAFETAC FORM 0-26-5 (OL A) 1-70 (REV. 10-64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AAC

PSYCHROMETRIC SUMMARY

3407C STATION BAD KREUZNACH GERMANY AAF 60-70

MAR
 MONTH

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	Dew Point											
54/53			.2																			2	2												
52/51		.3	.3																			9	9												
50/49		1.5	1.3	.1																		27	27	7											
48/47		1.2	2.2	.2																		34	34	20	5										
46/45	.5	4.4	2.3	.9																		78	78	33	22										
44/43	.4	5.6	3.2	.3																		90	90	74	37										
42/41	.7	4.1	4.2																			86	86	91	65										
40/39	1.5	6.1	2.1	.1																		92	92	99	69										
38/37	.7	5.0	1.6																			71	71	107	97										
36/35	1.2	7.4	1.3																			96	96	89	98										
34/33	1.2	6.0	2.2																			89	89	94	98										
32/31	1.5	5.8	.7																			76	76	82	114										
30/29	.9	4.3	.2																			54	54	69	74										
28/27	.9	2.5	.9																			38	38	53	60										
26/25	1.3	4.1																				51	51	46	51										
24/23	.5	2.0																				24	24	42	48										
22/21	.3	.9																				12	12	19	37										
20/19		.2																				2	2	3	33										
18/17	.2																					2	2	3	11										
16/15																									8										
14/13	.2	.2																				4	4	2	6										
12/11	.2	.1																							2										
10/9	.2	.2																				4	4	4	1										
8/7																									1										
6/5	.4	.2																				6		5	3										
4/3																									2										
2/1																									5										
0/0																									3										
TOTAL	13.3	62.4	22.7	1.7																		949	949	949	949										

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	6801847	79935	84.2	8.323	949	≤ 0 F	32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1320620	34592	36.5	7.936	949		27.0					93
Wet Bulb	1197716	32962	34.7	7.465	949		32.8					93
Dew Point	1034788	30408	32.0	7.985	949		3	44.9				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

3407C STATION BAE KREUZNACH GERSA Y AAF STATION NAME 60-70 YEARS

MAR 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													
64/ 63					.1														1	1															
62/ 61						.1													1	1															
60/ 59						.1													1	1															
58/ 57				.2	.1														3	3															
56/ 55		.1	.1	.4	.1														7	7	1														
54/ 53			1.1	.6	.7														24	24	1														
52/ 51		.3	2.1	1.4	.3														39	39	8	1													
50/ 49		.8	3.1	1.9	.4														39	39	19	6													
48/ 47		2.8	4.3	2.5	.1														93	93	44	10													
46/ 45	.2	2.9	4.3	2.4															93	93	93	23													
44/ 43		3.1	3.3	1.3															94	94	91	58													
42/ 41	.2	3.9	4.3	.6	.1														89	89	106	69													
40/ 39	.8	3.7	2.7	.6	.3														79	79	114	98													
38/ 37	.4	4.5	3.6	1.2															96	96	88	105													
36/ 35	.4	3.9	4.8	.5															93	93	91	101													
34/ 33	.3	3.3	3.5	.3															72	72	83	90													
32/ 31	.1	2.5	1.1																33	33	82	92													
30/ 29	.1	3.2	.4																36	36	66	65													
28/ 27	.1	1.2	.3																18	18	33	70													
26/ 25		.9	.2																12	12	15	37													
24/ 23		.2	.2																4	4	9	37													
22/ 21		.1	.2																3	3	5	31													
20/ 19	.1	.2																	3	3	3	17													
18/ 17	.1	.1																	2	2	2	11													
16/ 15		.3																	3	3	3	3													
14/ 13		.1																	1	1	1	2													
12/ 11		.1																	1	1	2	3													
10/ 9																						4													
8/ 7																						4													
6/ 5																						3													
TOTAL		2.9	36.4	2.1	14.1	2.3	.2												966	966	966	966													
Element (X)	Zx'	Zx	X	σx	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	3712471	72553	76,110,774		966	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb	1652306	39304	40.7	7.420	966		11.4					93																							
Wet Bulb	1416837	36417	37.7	6.751	966		21.7					93																							
Dew Point	1141397	32383	33.5	7.606	966		38.6					93																							

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/44C

PSYCHROMETRIC SUMMARY

24070 BA. KRELZ-ACH GERMANY AAF
STATION STATION NAME

60-70
YEAR-S

MAR
MONTH

PAGE 1 1200-1400
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								
72/71								.1																			1	1							
70/69								.1																				1	1						
68/67						.1	.2	.2																			5	5							
66/65					.2	.2	.2	.2																			4	4							
64/63				.1	.2	.2	.2	.2																			5	5							
62/61				.1	.2	.2	.2	.2	.1																		11	11							
60/59				.3	.3	.3	.3	.3	.1	.1																	15	15							
58/57				.3	.3	.3	.3	.3	.3	.3																	19	19	3						
56/55	.1	.3	1.6	1.1	.5	.1	.1	.1																			28	36	11						
54/53	.1	1.1	2.4	2.2	.8	.1	.1																				61	61	19						
52/51	.1	2.4	2.8	1.8	.6																						72	72	23	5					
50/49	.4	3.1	4.5	2.4	.1	.3																					101	101	48	10					
48/47	1.2	3.0	4.0	1.0	.5																						97	97	79	25					
46/45	1.2	4.0	2.5	1.0	.1																						87	87	89	38					
44/43	.1	1.8	3.2	2.4	1.0	.3																					82	82	118	57					
42/41	.6	1.7	3.5	2.4	1.3																						99	89	113	94					
40/39	.5	3.1	1.8	.4																							57	57	85	89					
38/37	1.8	2.8	2.4	.1																							66	66	87	91					
36/35	1.8	2.9	.8																								51	51	80	82					
34/33	1.7	1.8	.4																								32	32	72	86					
32/31	.8	.3	.5																								17	17	57	85					
30/29	.4	.6	.2																								12	12	18	63					
28/27	.1	.3																									4	4	15	69					
26/25																													12	41					
24/23																													1	27					
22/21																														21					
20/19																														21					
18/17																														7					
16/15																														12					
14/13																														3					
12/11																														4					
TOTAL	.8	14.2	33.3	29.6	14.7	5.3	2.5	.8																				930	930						
																											930		930						

USAFETAC FORM 0-26-5 (OLA) REVISIONS (ENCLOSURE OF THIS FORM ARE OBSOLETE)

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

34070 BAL KREUZNACH GERMANY AAF

60*70

VAR
 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	WB	Dry Bulb	Wet Bulb	Dew Point														
74/ 73									.1	.2																									3	3				
72/ 71								.6	.1																											3	3			
70/ 69										.2	.1																									3	3			
68/ 67										.1	.1	.2																								4	4			
66/ 65									.1	.3	.3																									7	7			
64/ 63							.6	.9	.1	.1																										15	15			
62/ 61							.4	.9	.1	.1																										13	13	3		
60/ 59				.0	.3	1.0	.6	.4																												26	26	1		
58/ 57				.6	1.3	.4	.6																													26	26	2		
56/ 55		.2	.9	1.1	1.1	.4	.2	.2																												28	38	12	1	
54/ 53			1.2	2.5	1.3	.7																														52	32	30	2	
52/ 51		.6	2.4	2.9	2.1	1.1	.1																													82	82	29	4	
50/ 49		1.3	2.4	3.9	2.6	.7	.3																													100	100	60	14	
48/ 47		1.2	2.2	2.9	1.9	.8	.1																													82	82	81	29	
46/ 45		.9	3.1	3.8	1.6	.7																														90	90	79	58	
44/ 43		1.3	3.6	2.8	1.8	.4																														89	89	100	58	
42/ 41	.1	2.2	2.7	3.5	1.0																															85	85	99	60	
40/ 39		1.2	1.6	1.6	.7																															49	49	93	86	
38/ 37	.1	1.0	2.0	2.4																																49	49	84	75	
36/ 35		1.5	1.5	.6																																31	31	77	87	
34/ 33		1.2	1.2	.6																																27	27	63	84	
32/ 31		.3	.4	.1																																8	8	40	61	
30/ 29		.6	.3																																	8	8	15	75	
28/ 27																																						12	47	
26/ 25																																						2	48	
24/ 23																																							33	
22/ 21																																							33	
20/ 19																																							18	
18/ 17																																							10	
16/ 15																																							6	
14/ 13																																							1	
TOTAL		.213	.725	.830	.016	.9	8.4	2.7	1.7	.6																											890	890	890	
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total																													
Rel. Hum.	3811114	86814	63.8	14.400	890	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F																													
Dry Bulb	2027282	41896	47.1	7.870	890		1.7	1.4	.3																														93	
Wet Bulb	1578133	37027	41.6	6.511	890		7.5																																93	
Dew Point	1132655	30961	34.8	7.908	890		34.7																															93		

USAFETAC FORM 0-26-5 (OL A) 4-1950 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ IAC

PSYCHROMETRIC SUMMARY

3407C
 STATION

BAC KREUZBACH GERMANY AAF
 STATION NAME

62-67,69-70
 YEARS

YEAR

PAGE 1 1900-2000

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 Point							
62/ 61					.4																			1	1										
60/ 59					.4	.4																		3	3										
58/ 57			.4	.7			.4																	4	4										
56/ 55			.7	.7	.4	1.1																		8	8										
54/ 53			1.1	1.1	.7	.4	.4																	10	10	5									
52/ 51		.4	2.9	1.4	1.1	.4																		17	17	2									
50/ 49		1.1	4.9	2.9	3.6																			33	33	12	4								
48/ 47		1.4	5.7	2.9	1.1	.7																		33	33	17	12								
46/ 45		1.8	5.4	1.4	2.2	.4																		31	31	32	5								
44/ 43		3.2	4.7	2.5	.7																			31	31	29	20								
42/ 41	.4	1.4	3.2	1.8	1.1																			22	22	42	16								
40/ 39		2.5	3.2	1.8	.4																			22	22	28	25								
38/ 37	.4	1.8	1.4	2.5	.4																			18	18	28	31								
36/ 35		2.2	3.9	.4																				18	18	20	32								
34/ 33	.7	2.9	2.5																					17	17	27	25								
32/ 31		.4	.4																					2	2	20	18								
30/ 29		1.1	.4	.4																				6	6	9	31								
28/ 27		.7																						2	2	5	17								
26/ 25		.4																						1	1	4	16								
24/ 23																											1	7							
22/ 21																												9							
20/ 19																												8							
18/ 17																												2							
12/ 11																												1							
TOTAL	1.4	21.1	40.9	20.4	12.2	3.2	1.1																	279	279	279	279								
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	1419380	19474	69.8	13.559	279	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F			93																					
Dry Bulb	553148	12274	44.0	6.883	279	3.1								93																					
Wet Bulb	431902	11100	39.8	6.084	279	12.3								93																					
Dew Point	343354	9568	34.3	7.402	279	36.3								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

34070 BAC KREUZNACH GERMANY AAF 60-65

APR

STATION

STATION NAME

YEARS

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				
56/55		1.5	1.5	1.5															6	6							
54/53		5.4	1.5	.8															10	10	4	1					
52/51	.8	3.1	2.3																8	8	9	4					
50/49	2.3	3.8	3.1	.8															13	13	13	10					
48/47	.8	7.7	3.0																18	16	9	8					
46/45	2.3	3.1	1.5																9	9	18	16					
44/43	.8	4.6	2.3																10	10	8	9					
42/41	.8	1.5	2.3																19	19	11	12					
40/39		10.8	1.5																16	16	23	11					
38/37	.8	7.7	.8																12	12	16	20					
36/35		6.2																	8	8	9	16					
34/33		.8																	1	1	7	14					
32/31	.8	.8																	2	2	2	3					
30/29																					1	5					
28/27																						1					
TOTAL	9.2	56.9	20.8	3.1															130	130	130	130					

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	964453	11159	85.8	7.144	130	≤ 0 F	≤ 30 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	260817	5771	44.4	5.990	130		1.4					90
Wet Bulb	239102	5326	42.5	5.709	130		2.1					90
Dew Point	216227	3243	40.3	5.979	130		5.2					90

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

APR
MONTH

PAGE 1 Q600-0800

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	Dew Point											
62/61			.1	.3																	4	4													
60/59			.2																		2	2													
58/57		.1	1.1	.2																	13	13	1												
56/55		.8	2.0	.8	.3																26	26	7												
54/53	.2	1.7	2.7	1.3																	55	55	22												
52/51		3.9	1.8	.3	.1																57	57	46												
50/49		4.5	4.4	.9	.3																94	94	82												
48/47	.2	5.2	3.0	1.0	.1																93	93	71												
46/45	1.0	6.1	3.7	1.0																	109	109	103												
44/43	.3	4.4	4.1	.2																	84	84	99												
42/41	.5	6.8	4.5																		110	110	93												
40/39	.9	5.8	2.6																		86	86	118												
38/37	.3	5.2	2.2	.1																	72	72	108												
36/35	.2	3.1	1.4																		44	44	64												
34/33	.3	1.8	1.5																		34	34	51												
32/31	.3	1.7	.1																		20	20	35												
30/29	.3	.2																			5	5	15												
28/27	.3	.5																			6	6	9												
26/25	.1	.2																			3	3	5												
24/23																																			
22/21																																			
TOTAL	5.1	52.1	35.0	6.0	.9																	929	929	929											
Element (X)	Z _x	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	6268002	76468	82.2	5.915	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	1858378	41092	44.2	6.629	929		3.5					90																							
Wet Bulb	1661618	38866	41.8	6.194	929		6.2					90																							
Dew Point	1497458	36278	39.1	6.620	929		15.9					90																							

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

34070 BAD KREUZNACH GERMANY AAF

60-70

APR

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 Point													
78/77								.1																										1	1				
76/75									.1																										1	1			
74/73										.2																									2	2			
72/71									.1		.1																								3	3			
70/69									.3		.1																								7	7			
68/67									.2		.2																								6	6			
66/65						.1		.8		.7																									21	21		1	
64/63				.1		.2		.7		.3																									16	16			
62/61			.4		1.1		.7	.5		.3																									29	29		6	
60/59		.1	.3		1.6		1.6	.8		.2																									44	44		10	
58/57		.3	1.3		2.6		2.2	1.5																											75	75		20	
56/55		.5	2.9		3.2		1.5	.7																											84	84		36	
54/53		1.3	4.4		2.4		1.3	.8																											98	98		62	
52/51	.1	1.5	3.5		2.7		1.1	.1																											85	85		88	
50/49		1.8	3.2		3.2		1.2																												88	88		132	
48/47	.1	1.5	3.2		2.9		.8	.2																											83	83		87	
46/45	.1	2.4	3.7		2.5		.4																												87	87		107	
44/43		1.8	4.3		3.6		.3																												96	96		95	
42/41		2.1	2.0		1.2		.1																												59	59		87	
40/39		1.1	2.4		.5		.1																												39	39		92	
38/37		.5	1.2		.2																														18	18		72	
26/35		.5	.4																																9	9		30	
34/33																																						22	62
32/31																																					4	43	
30/29																																						30	
28/27																																						32	
26/25																																						6	
24/23																																						8	
22/21																																						1	
20/19																																						2	
TOTAL		.315	.434		1.28		0.15	.0		6.7		2.0		.4		.1																				951	951		951
Element (X)	Z _X ²	Z _X	X	X ²	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	4728653	66017	69.4	12,399	951	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb	2496470	48220	50.7	7,363	951			1.9	.4			90																											
Wet Bulb	2032399	43567	45.8	6,200	951							90																											
Dew Point	1617828	38652	40.6	7,029	951				11.7			90																											

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

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												
86/83												.1																	1	1						
84/83																				.3																
82/81																			.3	.1	.1									5	5					
80/79																		.2																		
78/77																			.2																	
76/75												.1	.3						.4																	
74/73							.1	.4	.5	.1	.1	.2							.1	.1	.2								14	14						
72/71							.1	.6	.4	.1	.4	.2							.1	.4	.2								18	18						
70/69						.1	.4	.8	1.2	.4									.4										27	27						
68/67				.2	.4	.4	.4	1.0	.9	.6	.3								.3										33	33	1					
66/65				.1	.3	1.1	1.7	.4	.6	.3									.3										37	37	4					
64/63			.2	.4	1.3	.8	1.2	.4																					42	42	9					
62/61			.3	1.2	.8	3.0	1.2	.8																					67	67	19					
60/59			.3	1.7	2.7	2.7	1.1	.4																					83	83	23	2				
58/57		.1	1.1	3.9	2.6	1.5	.9	.1																					94	94	32	5				
56/55		.3	1.3	1.2	1.5	.5	.3																						48	48	71	15				
54/53		.4	2.3	2.2	2.3	1.0	.2																						77	77	88	20				
52/51		.8	1.7	2.5	1.5	.9																							68	68	124	45				
50/49		.9	2.2	2.2	2.0	.9																							80	80	99	62				
48/47		.5	2.6	1.7	2.6	.1																							68	68	90	77				
46/45		1.4	1.4	2.5	1.5																								69	69	89	88				
44/43		1.1	1.9	1.4	.3																								44	44	71	98				
42/41	.1	.9	.6	.4	.3																								22	22	67	73				
40/39		.4	.3	.5																									12	12	64	96				
38/37	.1	.4																											5	5	31	72				
36/35		.1																											1	1	14	88				
34/33		.1																											1	1	8	58				
32/31																																	49			
30/29																																	34			
28/27																																	23			
26/25																																	9			
24/23																																	6			
22/21																																	1			
Element (X)	Z _X	Z _X	Z _X	Z _X	Z _X	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.							= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 92 F	Total																							
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

USAF/ETAC
APR 64

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

APR

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														
86/85																																		1	1				
84/83																																			2	2			
82/81																																			2	2			
80/79																																			7	7			
78/77																																			5	5			
76/75																																			12	12			
74/73																																			21	21			
72/71																																			38	38			
70/69																																			30	30			
68/67																																			29	29			
66/65																																			41	41		5	
64/63																																			53	53		13	
62/61																																			74	74		16	
60/59																																			54	54		25	
58/57																																			65	65		59	
56/55																																				72	72		53
54/53																																				58	58		87
52/51																																				72	72		120
50/49																																				65	65		100
48/47																																				59	59		89
46/45																																				60	60		67
44/43																																				33	33		79
42/41																																				22	22		74
40/39																																				8	8		34
38/37																																				5	5		27
36/35																																						17	
34/33																																						2	
32/31																																							
30/29																																							
28/27																																							
26/25																																							
24/23																																							
22/21																																							
20/19																																							
Element (X)	$\sum X^2$	$\sum X$		\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature																															
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY LAF

60-70

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

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. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
TOTAL		7,016	118	515	515	110	8	7.7	5.6	1.0	1.0	.3																								888	888	888	888
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total																												
Rel. Hum.	3128850	50660	37.016	4.653	888	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																											
Dry Bulb	2953533	30339	56.919	5.29	888			14.9	5.1	1.1		90																											
Wet Bulb	2148062	43243	48.8	6.492	888							90																											
Dew Point	1516777	36099	40.7	7.454	888			13.4				90																											

USAFETAC FORM 0-26-5 (OL-A) 101 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 60=70 APR
STATION STATION NAME YEARS MONTH

PAGE 1 1800=2000
HOURS TC S T T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-5	7-8	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																																			1	1		
78/ 77										.3																									1	1		
76/ 75										.3																									1	1		
74/ 73																																			1	1		
72/ 71											.6	.3																							4	4		
70/ 69						.3			.6	1.5	.3	.9																						12	12			
68/ 67							.6	.6	.3																									9	9			
66/ 65				.3	.9	.6	1.8	.6	.3																									15	15			
64/ 63					.9	.9	.9	.9																										12	12	1		
62/ 61				.3	1.2	1.8	2.4	1.2																										23	23	3		
60/ 59			1.2	.9	2.7	2.4	2.7	.3																									34	34	3			
58/ 57			.6	2.1	2.1	1.5	.6																										23	23	14	1		
56/ 55		.6	1.9	2.7	1.8	1.8	1.2																										32	32	15	3		
54/ 53		.6	2.1	2.1	2.7	1.8		.3																									32	32	23	3		
52/ 51		.3	4.7	1.5	2.4	1.2																											34	34	46	13		
50/ 49		.6	3.0	2.7	2.7	1.2																											34	34	48	18		
48/ 47		.3	1.8	3.3	1.2																												22	22	46	24		
46/ 45		1.8	3.0	1.5																													21	21	39	42		
44/ 43		2.4	1.8	1.2	.3																												19	19	35	29		
42/ 41	.3	.3	.9	.3																													6	6	40	38		
40/ 39			.9																														3	3	17	40		
38/ 37		.3																															1	1	8	22		
36/ 35		.6																															2	2	4	26		
34/ 33																																				2	36	
32/ 31																																					29	
30/ 29																																				6	6	
28/ 27																																				1	1	
24/ 23																																					1	
20/ 19																																					1	
TOTAL	.3	7.72	1.3	18.6	18.9	13.6	10.9	5.6	1.2	1.2	.6																							338	338		338	

Element (X)	ΣX^2	ΣX	\bar{X}	r_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1331380	20516	60.7	15.984	338							
Dry Bulb	1092665	18493	54.7	7.867	338			6.7	1.1			90
Wet Bulb	776755	16093	47.6	5.339	338							90
Dew Point	566482	13662	40.4	6.503	338		11.4					90

USAF ETAC FORM JUL 54 0-26-5 (OL A) EXTEND REPORT ERRORS OF THIS FORM ARE DISCOURAGED

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24070 BAD KREUZNACH GERMANY AAF

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APR

PAGE 1 2100-2300
HOURS (L. S. T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
60/59					10.5													2	2																		
58/57				5.3														1	1																		
56/55				10.5														2	2																		
54/53			5.3		5.3	5.3												2	2																		
52/51			5.3		5.3													2	2		5																
50/49																					1																
48/47			5.3	5.3	5.3													3	3		1																
46/45			10.5		10.5													4	4		2																
44/43																					2																
42/41		10.5																2	2		4																
40/39																					3																
38/37																					1																
36/35																					4																
34/33																					3																
30/29																					2																
28/27																					1																
TOTAL		10.5	26.3	21.1	36.6	5.3												19	19		19																
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.	82294	1232	64.8	1.805	19	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90																									
Dry Bulb	49147	961	50.6	5.480	19							90																									
Wet Bulb	38798	854	44.9	4.790	19							90																									
Dew Point	29243	727	38.8	6.033	19			9.5				90																									

USAFETAC FORM 34 JUL 54 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60=64,66

MAY

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															
62/ 61		1.6	.8	.8																														4	4		
60/ 59			.8																															1	1	2	1
58/ 57		3.1	1.6				.8																										7	7	1	1	
56/ 55	.8	3.9	.8	.8																													8	8	2	5	
54/ 53	.8		3.9	.8																													7	7	7	7	
52/ 51	2.3	4.7	1.6	.8																													12	12	6	5	
50/ 49	2.3	5.5	1.6																														12	12	13	10	
48/ 47	.8	7.8	3.1																														15	15	15	11	
46/ 45		8.6	2.3																														14	14	14	10	
44/ 43	.8	9.4	1.6																														15	15	14	17	
42/ 41	1.6	9.4	.8																														15	13	18	12	
40/ 39		3.1																															4	4	12	19	
38/ 37		7.8	.8																														11	11	9	12	
36/ 35		.8																															1	1	4	10	
34/ 33	.8																																1	1	3	3	
32/ 31		.8																															1	1		4	
30/ 29																																				1	
28/ 27																																				1	1
TOTAL	10.2	56.4	19.5	3.1	.8																													126	128	128	128
Element (X)	Σx ²	Σx	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	969565	11083	86.7	7.864	128	≤ 0 F	≤ 32 F	≥ 6; F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb	290812	6038	47.2	6.574	128		67					92																									
Wet Bulb	267398	5798	45.3	6.254	128		67					93																									
Dew Point	245336	5542	43.3	6.511	128		3.6					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

34070 BAD KREUZNACH GERMANY AAF

60-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800
 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25-26	27	28	29-30	>31	D.B.	W.B.	Dry Bulb	Wet Bulb	Dew Point																
70/69				.2	.1																													1	1					
68/67																																			2	2				
66/65			.1		.2	.2																													5	5				
64/63		.2	.5	.5	.5																															17	17			
62/61		.4	.8	1.0	.6	.2																														29	29	8		
60/59		1.0	1.7	2.0	.3																															47	47	10	3	
58/57	.2	3.4	2.2	1.6	.5																															75	75	34	12	
56/55	.2	2.9	3.5	3.3	.5																															98	98	71	31	
54/53	.5	3.6	5.4	2.4	.3																															116	116	87	64	
52/51	.3	3.9	7.1	2.1																																127	127	96	65	
50/49	.6	4.2	6.6	.2																																110	110	141	103	
48/47	.3	5.1	5.1	.4	.1																															104	104	140	105	
46/45	.4	4.8	3.1	.3	.1																															82	82	129	127	
44/43	.1	4.3	1.2	.1																																54	54	74	149	
42/41	.2	2.4	.7																																	32	32	74	88	
40/39	.1	1.7	.6																																	23	23	92	76	
38/37	.2	.8	.1																																	11	11	29	52	
36/35	.2	.5																																		7	7	11	31	
34/33		.2																																		2	2	5	18	
32/31		.2																																		2	2	1	13	
30/29																																							2	2
28/27																																							1	1
26/25																																							1	1
TOTAL		3,539	7,338	8,014	2,314	.4																															944	944		944
Element (X)	Zx ²	Zx	X	e _r	No. Obs.	Mean No. of Hours with Temperature					Total																													
Rel. Hum.	6263479	76873	80.9	9.473	944	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																													
Dry Bulb	2497717	48217	51.1	6.082	944		.2	.2				93																												
Wet Bulb	2209791	45379	48.1	5.486	944		.3					93																												
Dew Point	1964239	42711	45.2	5.806	944		1.7					93																												

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

34070 BAD KREUZNACH GERMANY AAF 60-70

MAY

PAGE 1 0900-1100
 HOURS LT. 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														
80/ 79								.1										1	1																
78/ 77							.2	.1	.1									4	4																
76/ 75						.1	.8	.1	.1									11	11																
74/ 73						.2	.4	.1	.1									8	6																
72/ 71					.8	1.0	.4	.4										26	26																
70/ 69				.2	.9	1.0	.2	.2	.2									34	34																
68/ 67			.1	1.1	1.5	.8	.3	.3										42	42	2															
66/ 65			.2	.6	1.0	2.0	1.1	.3										51	51	7															
64/ 63			.7	1.5	1.8	1.6	.3	.3										59	59	22															
62/ 61		.2	1.5	2.6	3.8	2.3	.4											103	103	37	4														
60/ 59		.4	2.0	4.4	3.8	2.2	.2											124	124	51	24														
58/ 57	.2	2.0	1.6	4.5	4.2	1.5	.1	.1										136	136	75	30														
56/ 55		1.6	1.9	4.6	2.4	.7												107	107	116	57														
54/ 53		1.1	3.7	3.9	1.8	.1	.1											102	102	140	76														
52/ 51		1.0	2.8	1.5	.6													57	57	142	64														
50/ 49		.2	1.4	2.0	.2	.5												41	41	148	105														
48/ 47		.1	1.6	.9														25	25	91	132														
46/ 45		.2	.9	.4	.2													17	17	59	122														
44/ 43			.5	.3														8	8	36	1.6														
42/ 41			.1															1	1	18	76														
40/ 39																				8	60														
38/ 37																				5	37														
36/ 35																					27														
34/ 33																					9														
32/ 31																					6														
30/ 29																					7														
28/ 27																					3														
26/ 25																					2														
TOTAL	.2	6.9	18.9	28.5	23.1	14.0	5.7	2.1	.5									937	957	957	957														

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4232778	62686	65.5	12.327	957	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3341191	56195	58.7	6.383	957			12.2	2.3	.1		93
Wet Bulb	2643152	50038	52.3	5.200	957			.2				93
Dew Point	2126852	44708	46.7	6.324	957		1.7					93

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

MAY

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	DB WB	Dry Bulb	Wet Bulb	Dev. Point																	
86/ 85								.1	.2																								3	3				
84/ 83									.2																									2	2			
82/ 81							.1	.1	.2	.4	.2																							10	10			
80/ 79								.1	.7	1.1	1.0																							27	27			
78/ 77							.2	.5	.9	.4	.4																							23	23			
76/ 75						.1	.4	.8	.9	.4	.2																							30	30			
74/ 73						.1	.5	1.2	1.3	1.7	.6	.5																						38	38			
72/ 71						.5	1.0	1.4	1.0	1.3	.2	.1	.1																					52	52	2		
70/ 69						1.2	.7	1.0	1.5	.3	.1																							45	45	5		
68/ 67					.3	.9	1.1	1.7	1.0	.2	.2																							50	50	10		
66/ 65		.1		.9	1.5	3.1	3.3	1.5	.2																									99	99	24	1	
64/ 63		.1	.6	1.7	2.4	2.9	1.8	.6																										94	94	47	6	
62/ 61		.1	1.5	2.5	2.6	4.0	2.0	.3	.1																									122	122	49	6	
60/ 59		.4	1.2	1.9	1.4	2.4	1.0	.3																										80	80	71	16	
58/ 57		.6	1.1	1.7	3.1	1.5	1.2	.3																										89	89	95	45	
56/ 55		.7	1.7	2.2	1.9	1.2	.3																											76	76	140	63	
54/ 53		.3	1.3	1.2	1.2	.7	.4																											48	48	137	64	
52/ 51			.2	1.0	.5	.1																												17	17	120	82	
50/ 49		.4	.2	.6	.5	.1																												18	18	105	98	
48/ 47			.5	.2	.1																													8	8	63	79	
46/ 45		.2		.1																														3	3	31	116	
44/ 43		.1		.1																														2	2	24	103	
42/ 41																																					11	84
40/ 39																																			2	2	60	
38/ 37																																					33	
36/ 35																																					30	
34/ 33																																					19	
32/ 31																																					12	
30/ 29																																					11	
28/ 27																																					6	
26/ 25																																					2	
TOTAL		3.1	8.3	14.4	17.9	20.0	16.3	11.0	5.6	2.9	.3	.1																						936	936	936		
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	3095585	32195	35.8	16.066	936	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	3828485	39431	63.5	7.663	936			27.8	13.2	2.5		93																										
Wet Bulb	2793699	30863	34.3	5.642	936			1.7				93																										
Dew Point	2076432	43582	46.5	7.104	936		.3					93																										

USAFETAC FORM 0-26-5 (OL-A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 54

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

YAY
 MONTH

STATION

STATION NAME

YEARS

PAGE 1 1500-1700
 HOURS L S. T. 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					2	2																
88/ 87												.1						1	1																
86/ 85									.1		.2							3	3																
84/ 83									.1		.4	.4	.2					11	11																
82/ 81							.1	.1	.9		.6	.6	.2					20	20																
80/ 79						.2	.1	.6	.8	1.0	.3							27	27																
78/ 77						.2	.6	.6	1.1	.6	.4							31	31																
76/ 75						.4	.9	1.4	.6	.2	.6							37	37																
74/ 73					.1	.9	.7	1.4	.9	.7	.3							45	45																
72/ 71					.7	.3	1.4	1.1	1.3	.1	.2							47	47	1															
70/ 69				.2	.9	.8	1.6	1.0	1.6	.1								55	55	7															
68/ 67				.1	.9	1.6	1.8	1.8	.3									58	58	11															
66/ 65				.7	1.1	1.8	2.7	2.8	.2									53	53	31															
64/ 63			.2	1.3	1.7	2.5	3.2	1.6	.1									96	96	53	6														
62/ 61	.3	1.1	1.3	1.9	3.3	1.3	.6											89	89	49	3														
60/ 59	.1	.9	.6	2.5	2.9	1.7	.1											79	79	70	29														
58/ 57	.4	1.4	1.7	3.1	1.9	1.0												86	86	96	27														
56/ 55	.8	1.6	1.6	2.5	.7	.7												70	70	117	64														
54/ 53	.9	1.0	.4	1.1	.7	.2												39	39	121	53														
52/ 51			.2	.8	.1													10	10	142	73														
50/ 49	.3		.2	.1	.1													7	7	95	95														
48/ 47	.1	.1		.1	.1													4	4	27	84														
46/ 45	.2		.1															2	3	26	88														
44/ 43																			21	102															
42/ 41																				2	86														
40/ 39																			4	67															
38/ 37																					45														
36/ 35																					23														
34/ 33																					30														
32/ 31																					15														
30/ 29																					4														
28/ 27																					6														
26/ 25																					2														
24/ 23																					1														
Element (X)	Z _x ¹	Z _x	X	* _x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

USAFETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700
 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				
TOTAL		3.2	6.3	8.4	17.5	18.5	17.8	13.1	7.9	3.7	3.1	.6								903	903	903	903					
Element (X)	Σx ²		Σx		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature					Total												
Rel. Hum.	2672909		47379		52.514		399		903		= 0 F	= 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total											
Dry Bulb	3868350		58648		64.9		8,107		903				34.7	18.2	5.5		93											
Wet Bulb	2735102		49432		54.7		3,080		903				2.0				93											
Dew Point	1971772		41694		46.2		7,191		903			2.9					93											

USAFETAC FORM 0-26-5 (OLA) MAY 54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

68-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS (L.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													
88/87										.3																						1	1			
84/83										.9																						1	1			
82/81										.9																					5	5				
80/79									.3	.6																				9	9					
78/77							.3	.3	.3	.9	1.5																			13	13					
76/75								.3	.3	.9																				6	6					
74/73								.6	1.2	.6																				11	11					
72/71						1.2		.6	.9	1.2	.9																			19	19		1			
70/69						.3		1.5	1.2	1.5	.3																			17	17		2			
68/67				.3	1.5	1.2		1.8	.6	2.7	.6																			29	29		2			
66/65					1.2	1.8		1.8	2.4	.6	.3																			27	27	10	1			
64/63				.6	1.2	1.5		1.5	1.8	1.5																				27	27	15	2			
62/61		.3	.6	2.1	3.3	3.9	2.1																							41	41	25	4			
60/59		.9	.6	2.7	3.0	1.2																								28	28	23	6			
58/57			2.1	2.7	2.1	1.5	1.5																							33	33	30	14			
56/55		.6	2.1	2.7	3.3	.3																								30	30	38	17			
54/53		1.5	.9	1.8	1.8	1.5	.3																							26	26	49	24			
52/51		.6	.9	.3	.9																									9	9	53	23			
50/49			.6																											2	2	43	46			
48/47			.3			.3	.3																							3	3	21	21			
46/45																																15	47			
44/43																																3	34			
42/41																																		31		
40/39																																		1	23	
38/37																																1	17			
36/35																																		5		
34/33																																		11		
32/31																																		5		
30/29																																		5		
28/27																																		1		
TOTAL		3.0	9.2	13.9	20.5	19.0	13.4	10.4	5.3	3.3	2.1																							337	337	337

USAF ETAC FORM 0-26-5 (O1 A) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1104435	18673	55.41	4.410	337	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1378399	21391	63.5	7.812	337			30.6	12.7	3.3		93
Wet Bulb	1001683	18275	54.2	5.632	337			1.6				93
Dew Point	739995	15607	46.3	7.157	337		3.0					93

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-64

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL			
	0	1-2	3-4	5	6	7-8	9-10	11-12	13-14	15-16	17	18	19	20	21-22	23-24	25-26	27	28	29-30	31	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point												
66/65		.8	.8																															2	2			
64/63		1.6	2.3		.8																													6	6	1		
62/61		2.3	.8																															4	4	4	3	
60/59	.8	2.3	3.1	2.3																														11	11	7	6	
58/57	2.3	5.5	.8																															11	11	11	5	
56/55	1.6	10.2	1.6	.8																														18	18	14	8	
54/53	2.3	7.8	2.3	.8																														17	17	17	21	
52/51	2.3	7.8	.8	2.3																														17	17	16	13	
50/49		5.5	1.6																															9	9	13	14	
48/47	2.3	7.8	.8																															14	14	18	15	
46/45	.8	1.6	.8																															4	4	8	11	
44/43		3.9																																5	5	5	9	
42/41	.8	3.9	.8																															7	7	8	5	
40/39		.8																																1	1	3	9	
38/37		.8																																1	1	1	3	
36/35		.8																																1	1	2	1	
34/33																																					2	
TOTAL	13.3	63.3	16.4	7.0																															128	128		128
Element (X)	ΣX^2	ΣX	\bar{X}	s_x	Nc. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	1005434	11306	88.3	7.315	128	= 0 F	= 12 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																										
Dry Bulb	360733	6749	52.7	6.200	128							90																										
Wet Bulb	334933	6503	50.8	5.999	128							90																										
Dew Point	315914	6308	49.3	6.305	128							90																										

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

34070 BAD KREUZNACH GERMANY AAF 60-70 JUN
 STATION STATION NAME YEARS MONTH
 PAGE 1 0500-0800
 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	W.B.	Dry Bulb	Wet Bulb	Dew Point																	
76/75						.1																												1	1				
74/73						.1																													1	1			
72/71			.1	.3	.3	.2																													9	9			
70/69			.2	1.1	.8	.2																													22	22			
68/67		.5	.6	1.0	.5	.2																													36	36	1		
66/65		1.2	2.4	2.1	.5	.1																													60	60	13	2	
64/63		1.4	3.7	2.4	.5	.1	.1																												78	78	43	13	
62/61	.2	3.1	3.9	2.6	1.2	.2																													106	106	59	31	
60/59	.3	3.6	4.7	3.1	.5	.1																													116	116	109	64	
58/57	.3	6.2	5.6	1.8	.6		.1																												139	139	113	95	
56/55	.6	4.8	3.8	2.8	.3																														116	116	146	109	
54/53	.2	5.1	3.7	1.3	.2																														99	99	143	124	
52/51	.2	3.4	2.0	.8	.1																														68	68	101	136	
50/49	.2	3.6	1.1	.6																															52	52	97	119	
48/47	.1	1.2	.8	.1																															21	21	61	90	
46/45	.1	.7	.1	.2																															11	11	39	65	
44/43		.6	.1																																7	7	7	46	
42/41		.2																																	2	2	8	20	
40/39																																							
38/37																																						4	20
36/35		.1																																				4	
34/33																																						3	
TOTAL	2.33	5.43	3.82	0.8	6.0	1.4	.2																													945	945	945	945

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6224393	76091	80.51	0.167	945	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3207421	54787	58.0	5.741	945			6.6	.2			90
Wet Bulb	2832182	51506	54.5	5.137	945			.1				90
Dew Point	2566394	48960	51.8	5.618	945							90

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

34070 BAD KREUZBACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

JUN
MONTH

PAGE 1 0900-1100
TIME

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11-12	13	14	15-16	17-18	19-20	21	22	23	24	25	26	27	28	29	30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point							
86/ 85																											1	1							
82/ 81						.1	.1	.1	.3	.5																	11	11							
80/ 79							.1	.4	.7	.2																	14	14							
78/ 77				.1	.3	.6	.8	.3	.3																		38	38							
76/ 75				.2	.5	1.1	1.0	.5																			33	33							
74/ 73				.4	1.7	2.6	1.5	1.0	.1																		70	70	1						
72/ 71			.3	.6	2.4	2.2	1.6	.6																			74	74	3						
70/ 69			.2	.9	2.6	3.5	1.4	.2	.2																		88	88	9	2					
68/ 67			.3	1.0	2.2	3.2	1.9	.8	.2																		86	86	32	3					
66/ 65		.3	1.4	4.2	3.8	2.0	.5	.3																			120	120	69	12					
64/ 63		.5	2.4	3.5	2.3	1.1	1.1	.1																			107	107	98	18					
62/ 61	.1	.8	1.6	2.5	2.4	.5	.3	.2																			84	84	116	47					
60/ 59	.2	1.5	1.8	2.7	1.4	.7	.6																				83	83	171	100					
58/ 57	.2	.4	1.9	2.2	1.5	.5																					64	64	132	118					
56/ 55		.7	1.5	1.1	.6	.1																					39	39	90	125					
54/ 53		.7	.8	.2	.1	.1																					19	19	86	121					
52/ 51	.1	.4	.9		.2																						16	16	73	105					
50/ 49		.2	.3		.2																						7	7	40	93					
48/ 47		.3	.1	.1																							5	5	25	70					
46/ 45		.1																									1	1	8	48					
44/ 43																														4	37				
42/ 41																													2	27					
40/ 39																															14				
38/ 37																															7				
36/ 35																															9				
34/ 33																															6				
TOTAL	.6	6.0	13.7	21.0	23.3	17.6	11.1	5.2	1.4																		962	962	962	962					
Element (X)	Σx^2	Σx	\bar{x}	s_x	Ns. Obs.	Mean No. of Hours with Temperature					Total																								
Rel Hum.	4207620	62412	64.9	12.842	962	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 83 F	≥ 93 F	Total																							
Dry Bulb	4182628	63086	65.6	6.887	962			38.8	15.6	1.9		90																							
Wet Bulb	3288938	56016	58.2	5.322	962			4.2	.1			33																							
Dew Point	2731091	50903	52.9	6.257	962			.5				90																							

REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

ATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STAT ON NAME

60-70
YEARS

JUN
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 Point							
92/ 91																											1	1							
90/ 89																											4	4							
88/ 87																											4	4							
86/ 85										.1		.2	.8	.8	.6											25	25								
84/ 83										.2	.2	.7	1.4	.6	.2											29	29								
82/ 81										.2	.3	1.1	1.4	.6	.2											36	36								
80/ 79								.1	.3	.7	1.3	.7	.9	.1												34	34								
78/ 77								.5	.7	1.4	2.3	2.1	.3													70	70								
76/ 75					.1	.3	1.1	3.1	2.1	1.5	.8	.6														60	80	1							
74/ 73					.1	1.0	1.3	3.5	1.6	.8	.6															86	86	4							
72/ 71				.1	.3	1.4	1.7	2.8	1.7	.7	.4															86	96	7	1						
70/ 69				.5	1.0	1.8	1.8	2.2	.6	.2																77	77	76	1						
68/ 67				.3	1.3	2.3	2.3	2.1	1.0	.1																89	89	63	6						
66/ 65				.3	1.6	1.9	1.4	1.0	1.0																	69	69	96	8						
64/ 63		.3	1.2	1.7	1.3	2.0	1.6	.6																		82	82	118	31						
62/ 61		.6	.8	1.5	1.0	.7	.3	.3																		50	50	122	41						
60/ 59		.6	.6	1.4	.6	1.2	.3	1																		46	66	124	68						
58/ 57		.1	1.1	1.5	.5	.3	.1																			34	14	119	125						
56/ 55		.1	.8	.4	.4																					17	17	75	122						
54/ 53		.8	.3																							11	12	80	105						
52/ 51		.3			.2																					5	5	64	101						
50/ 49		.2	.3		.1																					6	6	22	97						
48/ 47		.1																								1	1	17	67						
46/ 45																												3	54						
44/ 43																												1	36						
42/ 41																													31						
40/ 39																													21						
38/ 37																													13						
36/ 35																													8						
34/ 33																													5						
32/ 31																													1						
TOTAL			3.3	6.8	10.8	13.4	15.5	19.6	14.3	9.2	4.7	1.6	.3	.1	.1												942	942	942						
Element (X)	Zx ¹	Zx	X	X ²	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	2097270	52368	55.6	14.060	942	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																							
Dry Bulb	4675425	65935	70.0	8.007	942			59.3	35.3	11.0		90																							
Wet Bulb	3388528	56260	59.7	5.499	942			9.6	.5			90																							
Dew Point	2638874	49474	52.5	6.360	942			.1	.8			90																							

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

JUN
MONTH

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													
92/91											.1												.2									3	3				
90/89												.3											.7									10	10				
88/87													.1										.6		.8							16	16				
86/85													.3										.7									15	15				
84/83												.7		.9									1.1									27	27				
82/81								.1	.3			.7	1.9	1.0									.1									38	38				
80/79							.3	.7	1.6	2.2		1.0		.3									.1									56	56				
78/77							.7	1.1	3.1	1.8		.9		.4																		72	72				
76/75				.1	.2	1.1	1.3	3.3	.8	.8		.3																				73	73				
74/73				.1	1.6	2.3	1.3	2.7	1.0	.4		.2																				88	88				
72/71					.9	1.9	2.0	2.0	.9	.2																						71	71	9			
70/69		.1	.3	.8	1.7	2.5	1.0	1.6	1.2																							82	82	21			
68/67			.8	.8	2.2	1.6	1.0	.8	.1																							65	65	65	2		
66/65		.1	.7	1.1	1.6	1.2	.9	1.2																								61	61	96	3		
64/63		.4	.6	1.6	1.7	1.1	1.3	.6																								67	67	121	27		
62/61		.6	.7	1.7	.4	1.7	.3	.2																								50	50	133	36		
60/59		1.0	.7	1.8	.7	.7																										43	43	108	76		
58/57		.3	.6	.2	1.2	.1	.2																									25	25	106	96		
56/55		.3	.2	.2	.2	.2																										7	7	86	139		
54/53		.9	.2	.1	.3																											14	14	54	101		
52/51		.7	.3																													9	9	37	105		
50/49			.1																													1	1	25	83		
48/47			.2																													2	2	8	47		
46/45																																		6	44		
44/43																																			46		
42/41																																			47		
40/39																																			26		
38/37																																			7		
36/35																																			6		
34/33																																			2		
32/31																																			2		
TOTAL		4.4	8.6	8.3	12.7	15.3	11.7	18.5	11.3	6.7	3.2	1.7	.3																					895	895	895	
Element (X)	Σx ²		Σx		Σx		Σx		Σx		No. Obs.		Mean No. of Hours with Temperature					Total																			
Rel. Hum.	2794921		48119		53,815		247		895		≤ 9 F		= 32 F		≥ 57 F		≥ 73 F		≥ 80 F		≥ 93 F		Total														
Dry Bulb	4561370		63458		70.9		8,329		895						61.9		40.0		14.3				90														
Wet Bulb	3241467		53651		59.9		5,324		895						9.6								90														
Dew Point	2475326		46744		52.2		6,432		895						.2		.2						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/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

JUN
 MONTH

PAGE 1 1800-2000
 HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11	12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
90/ 89												.3																						2	2				
88/ 87																																		2	2				
86/ 85												.3	.6																					7	7				
84/ 83												.9	.6																						11	11			
82/ 81											.6	1.2	2.2																						14	14			
80/ 79								.6	1.2	1.9	.9																								18	18			
78/ 77						.6					.9	2.8																							16	16			
76/ 75						.6	.9	2.5	3.4	.6																									26	26			
74/ 73						1.5	.9	2.8	2.5																											26	26		
72/ 71						1.2	1.9	.6	1.9	.3																										21	21	2	
70/ 69					.9	1.5	2.8	1.2	.9	.9																										27	27	13	
68/ 67			.6	3.1	3.7	1.5	.6	1.2	.6																											37	37	20	1
66/ 65		.3	1.9	.9	2.5	3.4	1.2	.3	.3																											35	35	29	3
64/ 63			.3	1.5	1.5	.3	.6		.3																											15	15	34	14
62/ 61		1.2	1.2	1.2	1.9	.3	.6																													23	23	59	12
60/ 59		1.2	1.2	2.5	.9	.9																														22	22	47	24
58/ 57			.6	.9		.3																														6	6	29	33
56/ 55		.6	.3		.6																															5	5	34	55
54/ 53		.9	.3	.3																																5	5	28	36
52/ 51		.3	1.2																																	5	5	16	42
50/ 49		.3																																	1	1	10	41	
48/ 47																																						3	21
46/ 45																																							10
44/ 43																																							8
42/ 41																																							11
40/ 39																																							9
38/ 37																																							4
TOTAL		4.9	7.7	11.4	16.7	14.5	12.0	15.7	9.9	4.0	2.8	.3																								324	324		324
Element (X)	Zx ²	Zx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																																	
Rel. Hum.	1134159	18529	57.2	15.189	324	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb	1597809	22399	69.8	8.164	324			57.5	33.9	11.7		90																											
Wet Bulb	1168126	19382	59.8	5.183	324			9.7				90																											
Dew Point	919473	17151	52.9	5.988	324			.3				90																											

USAFETAC FORM 0-26-5 (OL A) REVERSED MIRROR ENTRIES OF THIS FORM ARE OBLIQUE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 69

JUL
MONTH

PAGE 1 0000-0200
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21	22	23	24	25-26	27	28	29-30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point											
68/ 67				33.3																		1	1													
66/ 65				33.3																		1	1													
64/ 53			33.3																			1	1													
62/ 61																								1												
60/ 59																								2	1											
58/ 57																									1											
56/ 55																									1											
TOTAL			33.3	66.7																		3	3	3	3											
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	17098	226	75.3		3	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	≥ 93 F	93																								
Dry Bulb	12810	196	65.3		3			31.0				93																								
Wet Bulb	11044	182	60.7		3							93																								
Dew Point	9866	172	57.3		3							93																								

USAF ETAC 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

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

60-64, 69

YEARS

JUL

MONTH

PAGE 1 0300-0500

HOURS U. S. T. I.

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			.8	.8	.8													2	2																
66/ 65		.8	2.4	.8		.8												5	5																
64/ 63		2.4	2.4															6	6	3	2														
62/ 61		5.6		1.6	.8													10	10	6	3														
60/ 59	.8	5.6	4.0	.8														15	15	11	7														
58/ 57	.8	7.9	4.0		.8													17	17	12	11														
56/ 55	1.6	7.9	1.6	.8														19	19	21	10														
54/ 53	1.6	13.5																19	19	23	23														
52/ 51	.8	5.6																8	8	15	21														
50/ 49	2.4	7.1	.6															13	13	12	16														
48/ 47	.8	3.2	.8															6	6	8	12														
46/ 45	1.6	3.2	.8															7	7	9	7														
44/ 43		.8	.8															2	2	4	9														
42/ 41		.8																1	1	1	2														
40/ 39																				1	1														
38/ 37																				1	1														
36/ 35																				1	1														
TOTAL	10,364	319	4.0	2.4														126	126	126	126														

Element (X)	Z _x ²	Z _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.	974683	11039	37.6	7.758	126							
Dry Bulb	388544	6960	55.2	5.718	126			1.5				93
Wet Bulb	359919	6703	53.2	5.161	126							93
Dew Point	337907	6491	51.5	5.305	126							93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0.26-5 (OL A)

USAFFETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

JUL
MONTH

PAGE 1 0600-0800
HOURS L.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point																	
80/79				.1																													1	1				
78/77					.1																												1	1				
76/75					.2	.1	.1	.1																									5	5				
74/73			.1	.1	.3		.1																										6	6	1			
72/71			.4	.3	.2	.1																											10	10				
70/69		.4	.4	.6	.5	.1																											20	20	6	2		
68/67		.6	2.3	1.8	.6	.3																											53	53	9	7		
66/65		1.4	3.2	1.7	1.0	.1	.1																										70	70	25	7		
64/63		2.7	3.3	2.7	.8																													88	88	44	23	
62/61		3.8	4.2	2.8	1.3	.1																												113	113	87	50	
60/59	.2	5.1	7.0	3.7	.4	.1																												153	153	100	65	
58/57	.1	5.5	4.8	2.6	.4																													125	125	138	113	
56/55	.6	5.0	4.5	1.6	.2																													111	111	168	114	
54/53	.4	3.1	4.2	1.2																														83	83	120	135	
52/51	.2	3.1	1.8	.2																														50	50	96	132	
50/49	.3	1.8	.6	.1																														27	27	84	129	
48/47	.1	.6		.1																														8	8	36	67	
46/45	.1	.3	.1																															5	5	11	41	
44/43																																					4	32
42/41																																					8	
40/39																																					3	
38/37																																					1	
TOTAL	2.2	33.5	37.1	19.7	6.1	1.0	.3	.1																											929	929	929	929
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	6185048	73284	81.0	9.326	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	> 80 F	≥ 93 F	Total																										
Dry Bulb	3307993	55207	59.4	5.419	929			9.6	1.3			93																										
Wet Bulb	2930297	51979	56.0	4.868	929			1.6	.1			93																										
Dew Point	2677606	49634	53.4	5.272	929			.9				93																										

USAFETAC FORM 0-26-5 (OL A) REVISED BY THE AIR FORCE DISCLOSURE DIVISION

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

JUL

PAGE 1 0900-1100
HOURS - L, S, T, I

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/ 89														.1																					1	1					
88/ 87																																			1	1					
86/ 85														.1																					3	3					
84/ 83													.1	.8	.2																				15	15					
82/ 81										.2	.5		.4	.2																					14	14					
80/ 79								.2	.5	1.0	.5		.5																						26	26					
78/ 77					.1		.1	1.4	1.3	1.1															.1										38	38					
76/ 75					.3		.8	2.0	2.1	2.2																									54	54					
74/ 73					.7		2.0	2.2	1.5																										63	63		1			
72/ 71		.1	.3		1.1		2.4	2.6	1.2					.3																					79	79		11			
70/ 69			.7		2.4		1.2	2.6	1.2	.6																									89	89		24			
68/ 67			.7		2.1		2.5	2.5	1.4	.3																									91	91		55			
66/ 65			.3	1.6	3.4		2.8	3.2	.2	.1			.1																						110	110		87			
64/ 63			.2	2.1	3.3		3.6	3.7	.3	.1																									106	106		111			
62/ 61			1.3	1.7	3.6		3.0	1.3	.2	.1																									106	106		117			
60/ 59			1.2	1.9	2.4		1.2	.3																											66	66		131			
58/ 57	.2	.2	1.0	2.5	.8		.2																												53	53		129			
56/ 55		.4	.6	.5	.6																														21	21		130			
54/ 53		.2	.3	.3																															8	8		79			
52/ 51																																					48	98			
50/ 49																																						22	77		
48/ 47																																						7	67		
46/ 45																																								44	
44/ 43																																								30	
42/ 41																																								13	
40/ 39																																							8		
38/ 37																																							3		
36/ 35																																							1		
TOTAL	.2	4.9	11.7	22.9	21.9	19.9	10.9	4.8	1.7	.6	.4	.1																								944	944		944		
Element (X)	Σ X ²		Σ X		Σ X		Σ X		No. Obs.		Mean No. of Hours with Temperature										Total																				
Rel. Hum.	4059393		60793		64.4		12.373		944		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	4320764		53546		67.3		6.762		944				46.7	21.2	4.4		93																								
Wet Bulb	3382472		56302		59.6		3.098		944				9.0	.1			93																								
Dew Point	2825087		51337		54.4		5.939		944				1.3				93																								

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

60-70
 YEARS

JUL
 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 Point	
96/ 95														.2				2	2			
94/ 93													.3					3	3			
92/ 91												.3	.1	.2				6	6			
90/ 89								.2	.1	.3	.3	.4						13	13			
88/ 87								.1	.5	.9	.4	.3						21	21			
86/ 85						.2	.3	.4	1.3	.5	.5	.2						33	33			
84/ 83							.5	1.1	1.0	.7	.3							33	33			
82/ 81					.2	.7	.3	1.6	1.0	1.0	.1							45	45			
80/ 79					.2	.5	2.2	2.3	1.2	.3	.2							66	66			
78/ 77				.1	.2	.4	1.3	3.2	1.2	.1	.2							62	62			
76/ 75				.1	.2	1.0	2.1	2.0	.5	.7	.1							61	61	3		
74/ 73			.1	1.6	1.8	1.9	2.6	.7	.1									80	80	13		
72/ 71			.1	.1	1.1	1.9	2.8	1.6	.8	.1								78	78	29	1	
70/ 69			.1	.5	1.6	2.1	3.2	1.3	.2									83	83	53	9	
68/ 67			.8	.8	2.0	2.2	3.0	.3	.4	.1								87	87	79	15	
66/ 65		.1	.5	1.6	1.8	1.9	.8	.5										66	66	86	14	
64/ 63		.4	2.0	1.4	1.0	2.2	.1	.1										66	66	108	33	
62/ 61	.2	.5	.3	1.4	.8	1.2	.3											44	44	111	78	
60/ 59		.7	.2	1.4	1.0	.9												38	38	127	78	
58/ 57		.5	.3	.7	.2													16	16	120	14	
56/ 55		.3	.7	.1														10	10	50	112	
54/ 53				.1														1	1	55	99	
52/ 51																				31	92	
50/ 49																				14	85	
48/ 47																				1	76	
46/ 45																					44	
44/ 43																					25	
42/ 41																					17	
40/ 39																					15	
38/ 37																					6	
34/ 33																					1	
TOTAL	.2	2.6	5.1	8.4	11.9	16.8	18.8	17.7	9.0	4.8	2.6	1.1	.5	.2				914	914		914	
																		914			914	
Element (X)	Σx²			Σx			Σ	Σx	No. Obs.				Mean No. of Hours with Temperature									
Rel. Hum.	2895330			49898			54.6	13,696	914				≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≤ 93 F	Total			
Dry Bulb	4828136			66004			72.2	8,220	914						68.5	43.2	18.6	.5	93			
Wet Bulb	3464469			56047			61.3	3,502	914						18.4	1.8			93			
Dew Point	2712158			49444			54.1	6,402	914						2.5				93			

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 60-70

JUL

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	Dew Point																			
96/95																																					3	3			
94/93										.2																										5	5				
92/91										.3																										12	12				
90/89																																					27	27			
88/87										.1	.6	.3	1.4	.7	.7																					33	33				
86/85										.3	.3	.8	1.3	.7	.1																					31	31				
84/83										.1	.7	.7	1.5	.6	1.0																					40	40				
82/81										.2	.5	2.0	1.6	1.3	.6																					53	53				
80/79							.2	.2	.6	2.2	2.3	1.3	.5	.2	.5																					65	65				
78/77					.1	.1	.6	1.3	2.1	1.3	.5	.2	.2																							35	55	2			
76/75							.3	1.4	1.9	1.2	.6																									46	46	4			
74/73						.7	1.6	1.7	3.1	1.5	.1																									76	76	17			
72/71		.1			.8	1.9	.9	1.7	2.7	.5	.1																									75	75	30	2		
70/69					.7	1.3	2.0	2.2	1.3	.3	.1																									68	68	56	6		
68/67		.1	.9		.6	.7	2.1	2.1																												56	56	78	16		
66/65		.3	1.1	1.5	1.6	1.6	1.0		.2																											65	65	89	12		
64/63		.3	1.3	1.7	1.2	1.9	.1	.3																												61	61	110	33		
62/61		1.0	.9	.8	1.0	.9	.5																												45	45	92	64			
60/59		.3	.9	.8	.9	.1																													24	24	121	97			
58/57	.2	.1	.1	.2	.3																														9	9	123	86			
56/55		.2	.6	.6																															12	12	66	105			
54/53	.1																																		1	1	36	93			
52/51																																							25	94	
50/49																																						10	88		
48/47																																								62	
46/45																																							53		
44/43																																							17		
42/41																																							14		
40/39																																							11		
38/37																																							7		
36/35																																							2		
TOTAL	.2	2.8	5.7	7.9	10.0	12.6	14.3	17.2	12.2	7.8	5.6	2.6	.8	.3																								862	862		862
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total																														
Rel. Hum.	2581305	45381	52.6	14.940	862	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																													
Dry Bulb	4729611	63395	73.5	8.840	862			69.6	48.1	26.2	.9	93																													
Wet Bulb	3319441	53281	61.8	5.503	862			20.2	2.5			93																													
Dew Point	2556879	46627	54.1	6.353	862			2.6				93																													

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 61-70

JUL

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	27-28	29-30	*31	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point																		
94/ 93																																									
92/ 91									.3															.3			.3									1	1				
90/ 89																																				2	2				
88/ 87																																				6	6				
86/ 85																																				5	5				
84/ 83											.9	.3		1.6	.9	.3																			14	14					
82/ 81										.9	.6	.9	.9	.9	.9	.9	1.9	.3																	11	11					
80/ 79									.3	1.2	1.2	2.2	.6	.3	.3																					18	18				
78/ 77									1.2	2.5	.9	1.9	.3																							20	20				
76/ 75							.6	.6	1.6	.3	.9																									22	22				
74/ 73					.3	.9	1.6	.9	2.2	.9																										13	13				
72/ 71					.3	2.5	1.2	1.6	1.9	.3																										22	22				
70/ 69						1.2	.3	.9	.9	2.8	1.6	.3	.3																							25	25				
68/ 67						1.2	2.2	1.2	3.1	1.2																										27	27				
66/ 65						.3	1.9	1.2	1.9	1.6	.9																									29	29				
64/ 63						.3	1.9	1.2	2.2	2.2																										25	25				
62/ 61							2.2	1.6	1.6	.9	1.6	.6																								26	26				
60/ 59							.3	1.6	1.6	.9	.6	.6																								27	27				
58/ 57							.3	.9	1.6	.9	.6	.6																								11	11				
56/ 55							.9	.9	.3																											7	7				
54/ 53																																									
52/ 51																																									
50/ 49																																									
48/ 47																																									
46/ 45																																									
44/ 43																																									
42/ 41																																									
40/ 39																																									
38/ 37																																									
TOTAL																																									

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

Element (X)	Zx²	Zx	Σ	Σ²	No. Obs.	Mean No. of Hours with Temperature	Total
Rel. Hum.	1134519	18647	57.3	5,509	322	≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F	
Dry Bulb	1661366	22760	71.3	8,686	322	62.1 38.7 17.6 .3	93
Wet Bulb	1213592	19688	61.1	5,529	322	17.0 1.4	93
Dew Point	965295	17515	54.4	6,239	322	1.7	93

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 69

JUL
MONTH

STATION

STATION NAME

YEARS

PAGE 1 2100-2300
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													
70/ 69			33.3	33.3																													2	2			
68/ 67				33.3																														1	1		
66/ 65																																					1
64/ 63																																					2
62/ 61																																					2
60/ 59																																					1
TOTAL			33.3	356.7																														3	3		3
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature							Total																			
Rel. Hum.	17038		226		75.3		3		3		$\leq 0^\circ$		$\leq 32^\circ F$		$\geq 67^\circ F$		$> 73^\circ F$		$> 80^\circ F$		$> 93^\circ F$		93														
Dry Bulb	14285		207		69.0		3		3		93.0							93																			
Wet Bulb	12290		192		64.0		3		3									93																			
Dew Point	11165		183		61.0		3		3									93																			

USAFETAC
 FORM 0-26-5 (10-1)
 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF CTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3407C BAD KREUZNACH GERVALEY AAF
 STATION STATION NAME

60-64 YEARS

AUG MONTH

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	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																
68/67																																		1	1			
66/65		2.3																																4	4			
64/63	.3	3.0	.6																														8	8	5	4		
62/61		4.5	4.5	1.5																													14	14	5	4		
60/59	1.5	8.3	3.6	1.5																													20	20	10	9		
58/57	.8	7.6	2.3																														14	14	23	11		
56/55	1.5	7.6	3.6	.8																													18	18	20	15		
54/53	2.3	6.1	.6																														12	12	15	21		
52/51	1.5	9.8	.6																														16	16	15	18		
50/49	1.5	7.6	.5																														13	13	18	20		
48/47	1.5	1.5																															4	4	11	15		
46/45		3.8																															5	5	4	6		
44/43	.8	1.5																															3	3	5	6		
42/41																																				1	2	
40/39																																				1	1	
TOTAL	12.1	63.6	18.2	5.3	.8																														132	132	132	
																																			132		132	
Element (X)	Z _X ²	Z _X	X̄	σ _X	No. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	1045386	11710	88.7	7.080	132	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																										
Dry Bulb	413134	7350	55.7	5.437	132			7				93																										
Wet Bulb	384863	7097	53.8	5.013	132							93																										
Dew Point	354460	6904	52.3	5.064	132							93																										

USAFETAC FORM 0-26-5 (OL A) JUL 60 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAE KREUZNACH GERMANY AAF

60-70

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1 C600-0800

NO. RS L 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. Y.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 71			.2	.1	.1													4	4																
70/ 69			.3	.5	.1													9	9																
68/ 67		.4	2.2	1.0	.8													43	43	4															
66/ 65		2.2	1.7	1.2	.4													52	52	12	7														
64/ 63	.2	4.8	1.8	1.4	.1													79	79	60	27														
62/ 61	.2	6.2	4.2	1.8	.4													122	122	81	64														
60/ 59	.7	6.1	3.3	1.5														111	111	100	89														
58/ 57	.8	7.2	3.5	1.5														144	144	140	91														
56/ 55	.7	7.4	4.7	.8														131	131	131	117														
54/ 53	.4	6.3	3.6	.2														100	100	133	124														
52/ 51	.5	5.8	2.1															80	80	134	134														
50/ 49	.7	3.2	.1															39	39	84	149														
48/ 47	.6	1.9	.2															26	26	46	78														
46/ 45	.4	.6																10	10	21	51														
44/ 43	.2	.3																5	5	8	16														
42/ 41		.1																1	1	2	7														
40/ 39																					2														
TOTAL	5.6	52.5	29.9	9.9	2.0													956	956	956	956														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.	7109324	82076	85.9	8.110	956	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb	3220486	55232	57.8	5.337	956			5.4				93																							
Wet Bulb	2949488	52894	55.3	4.902	956			4.4				93																							
Dew Point	2759432	51134	53.5	5.055	956							93																							

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 60-70 YEAR AUG MONTH

PAGE 1 1900-1100
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																		
88/ 87																																			1	1						
86/ 85																																				2	2					
84/ 83										.1			.1																							3	3					
82/ 81												.1	.1																								5	5				
80/ 79							.3	.3		.2	.3																										14	14				
78/ 77							.7	.7		.5	.7																										24	24				
76/ 75					.1		.9	1.4		.5	.7																										33	33				
74/ 73			.1	.6		1.3	.6	1.2		.2																											40	40		1		
72/ 71			.2	1.8		1.7	2.4	.6	.1																												63	63		15		
70/ 69			1.3	1.9		2.0	2.0	.9	.2																												80	80		51		
68/ 67		.1	2.3	2.6		3.4	2.7	1.1																													118	118		41		
66/ 65		1.4	2.6	3.3		3.0	2.2	.4																													125	125		81		
64/ 63		1.6	2.3	4.6		4.0	1.2	.1																													133	133		82		
62/ 61		1.9	3.8	4.7		1.6	.4	.2																													121	121		143		
60/ 59	.1	1.3	3.3	5.0		1.3	.2																														111	111		141		
58/ 57	.1	.9	2.4	2.0		.3																															55	55		164		
56/ 55		.8	1.1	.3																																	22	22		149		
54/ 53		.3	.5	.1																																	9	9		86		
52/ 51		.1																																			1	1		45		
50/ 49																																							12	106		
48/ 47																																								65		
46/ 45																																								28		
44/ 43																																								8		
42/ 41																																								3		
40/ 39																																								2		
TOTAL		.2	8.5	20.2	26.8	20.6	14.3	6.3	2.1	.6	.2	.2																											966	966		936
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs	Mean No. of Hours with Temperature						Total																														
Rel. Hum.	4747518	66736	69.1	1.918	966	$\leq 0 F$	$\leq 32 F$	$\leq 47 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																														
Dry Bulb	4196338	63412	65.6	5.912	966			57.5	12.1	1.9		93																														
Wet Bulb	3409660	57224	59.2	4.522	966			6.1	.1			93																														
Dew Point	2929408	52950	54.8	5.183	966			.8				93																														

USAFETAC FORM 0-26-5 (OLA) 101-64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

YEARS

AUG

MONTH

PAGE 1 1200-1400

HOURS

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														
94/ 93																														4		4						
92/ 91														.1												.2				.3		5		5				
90/ 89																	.1										.1			.1		5		5				
88/ 87														.3		.5											.2		.4		.2		16		16			
86/ 85												.2		.7		.9		.4								.5		.3		.1		21		21				
84/ 83										.1	.5		1.8	.5		.2		.3		.1											29		29					
82/ 81								.1	.5	1.8	.5		.2																		30		30					
80/ 79								1.0	1.0	1.4	1.3		.2		.1																46		46					
78/ 77								.9	1.9	.7	2.1		.2																		53		53					
76/ 75						1.1		1.6	1.2	2.8	1.0																				71		71		1			
74/ 73					.6	1.3	1.4	2.7	2.4	.6																					85		85		8			
72/ 71			.1	.7		2.0	2.6	2.8	1.3	.4																					99		99		25			
70/ 69			.7	.9		2.0	3.3	2.8	1.4	.4																					106		106		38			
68/ 67			1.3	1.1	1.8		4.8	2.3	.4	.2									.1												111		111		76			
66/ 65		1.2	1.1	1.4	3.1	3.1	1.2	.1																								104		104		88		
64/ 63		.5	1.3	1.7	1.4	1.6	.7	.1																							69		69		112			
62/ 61		.3	.9	1.1	1.2	.5	.1																									38		38		142		
60/ 59		.7	1.3	1.6	.2																											36		36		144		
58/ 57		.2	.6	.3																												11		11		145		
56/ 55			.3																													3		3		90		
54/ 53			.1																													1		1		54		
52/ 51																																				16		
50/ 49																																					106	
48/ 47																																					69	
46/ 45																																					31	
44/ 43																																					20	
42/ 41																																					4	
40/ 39																																					1	
38/ 37																																					1	
34/ 33																																					1	
TOTAL		3.0	7.7	9.4	14.7	20.8	18.1	14.3	7.6	1.8	1.7	.5	.4	.1																	939		939		939			
Element (X)	$\sum X^2$		$\sum X$	\bar{X}	s_x					No. Obs.																												
Rel. Hum.	2241910		53774	57.3	13.159					939	$= 0 F$	$= 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$																					Total	
Dry Bulb	4806283		66837	71.2	7.220					939																											93	
Wet Bulb	3537780		57458	61.2	4.831					939																											93	
Dew Point	2827869		51251	54.6	5.709					939																											93	

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

AUG

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																
96/ 95												.1	.1																					2	2				
94/ 93												.1	.2																					7	7				
92/ 91												.2	.1	.4	.1																			8	8				
90/ 89												.2	.4	.3	.1																			10	10				
88/ 87												.3	.2	.3	.3																			12	13				
86/ 85											.3	.1	1.2	.7	.6	.2																		28	28				
84/ 83											.1	.8	1.0	.3	.1	.1																		22	22				
82/ 81							.1				.4	1.2	.3	1.3	.4																			35	35				
80/ 79								.2	1.7	2.0	1.6	.6																						54	54				
78/ 77						.2	1.5	1.7	1.2	1.9	1.1																								68	68			
76/ 75					.1	.4	1.3	1.9	2.4	2.0	.3																								76	76			
74/ 73					.3	1.7	1.2	1.8	2.4	.9	.2																								76	76	12		
72/ 71			.1	.2	.8	2.4	2.5	2.7	.4	.2																									83	83	19	1	
70/ 69			.2	.9	1.7	3.0	3.1	1.0	.4																										97	97	55		
68/ 67	.1	.2	1.2	1.0	2.8	3.3	1.5	1.0	.2																										101	101	60	9	
66/ 65		.7	1.3	1.2	1.6	2.5	1.3	.2																											79	79	88	13	
64/ 63		.9	.4	1.8	.9	1.3	.4																												52	52	108	43	
62/ 61		.3	.8	1.1	1.1	.4																													32	32	136	75	
60/ 59		.2	.9	2.1																															29	29	139	91	
58/ 57		.6	.4	.2																															11	11	121	85	
56/ 55		.3	.1																																4	4	87	83	
54/ 53		.3																																	3	3	53	118	
52/ 51																																				7		118	
50/ 49																																						102	
48/ 47																																						78	
46/ 45																																						38	
44/ 43																																						17	
42/ 41																																						11	
40/ 39																																						5	
38/ 37																																						1	
36/ 35																																						1	
TOTAL	.1	3.6	5.4	9.1	11.3	17.2	17.3	15.4	10.3	5.6	2.0	2.0	.6																						890		890		
																																				890		890	
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																	
Rel. Hum.	2854918	48768	54.8	14.334	890	$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total																											
Dry Bulb	4693196	64264	72.2	7.714	890			71.1	61.7	15.4	.9	93																											
Wet Bulb	3371849	54611	61.4	4.846	890			15.3	1.3			93																											
Dew Point	2636377	48163	54.1	5.788	890			1.0				93																											

USAFETAC FORM NO. 54 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD REUZNACH GERMANY AAF
 STATION STATION NAME

61-70
 YEARS

4JG
 MONTH

PAGE 1 1800-2000
 HOURS IN YEAR

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									
94/93														.6	.3									1	1										
92/91														.6	.3									3	3										
90/89														.3	.3									3	3										
88/87														.9	.3									4	4										
86/85														.6	.9									6	6										
84/83														.9	.6									10	10										
82/81						.3								.6	.9									10	10										
80/79						.6								.6	1.8									11	11										
78/77						.3								.9	.9									11	11										
76/75						.6	2.2	1.8						2.2	.6									27	27										
74/73				.9	.6	1.8	1.2	2.8						.6	.3									27	27										
72/71			.3	.6	1.2	2.6	3.1	1.5																31	31	11									
70/69		.3	.6	1.8	2.2	1.2	3.1	1.2	.3															33	33	13	1								
68/67		.3	1.2	2.5	3.7	2.5	2.2	.2																41	41	17	1								
66/65		1.2	1.2	2.2	2.5	3.7	.9																	38	38	29	12								
64/63		.9	1.2	1.5	.9	2.5	.3																	24	24	42	16								
62/61			1.5	2.2	2.8																			21	21	51	26								
60/59			.6	2.2	.6																			11	11	44	25								
58/57		.3	.6	.3																				4	4	43	28								
56/55		.6	.6																					4	4	40	42								
54/53		.9																						3	3	28	38								
52/51																										6	45								
50/49																											36								
48/47																											33								
46/45																											14								
44/43																											5								
42/41																											3								
TOTAL		4.6	8.0	14.2	13.7	17.2	14.5	10.8	9.2	2.8	2.2	.9												325	325	325	325								

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1177952	18996	58.4	14.450	325							
Dry Bulb	1628486	22874	70.4	7.373	325			63.0	32.3	11.2	.3	93
Wet Bulb	1206670	19740	60.7	4.873	325			12.0	.3			93
Dew Point	967776	17640	54.3	3.647	325			.6				93

USAFETAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 54

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 SAC KREUZNACH GERMA. Y AAF

68

SEP
MONTH

STATION

STATION NAME

YEARS

PAGE 1 0000-0200
HOURS U.S.T.

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. WB	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23	24	25	26	27-28	29-30	≥ 31																		
52/ 51		0																													1	1	1					
50/ 49																																						
TOTAL		0																														1	1	1	1			
Element (F)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.	8464	92	92,0		1	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	2704	52	52,0		1							90																										
Wet Bulb	2601	51	51,0		1							90																										
Dew Point	2500	50	50,0		1							90																										

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF 67-64 SEP
 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	DB.	W.B.	Dry Bulb	Wet Bulb	Dew Point													
68/ 67				.9														1		1															
66/ 65			1.7															2		2															
64/ 63		1.7	2.6															5		5	2														
62/ 61			.9															1		1	4	3													
60/ 59	1.7	3.4	3.4															10		10	5	5													
58/ 57	2.6	6.0	5.1															16		16	11	10													
56/ 55	2.6	5.1	.9															10		10	13	11													
54/ 53	3.4	7.7																13		13	18	11													
52/ 51	5.1	4.3		.9														12		12	12	21													
50/ 49	.9	1.7																3		3	6	6													
48/ 47		6.0	.9															8		8	4	6													
46/ 45	4.3	4.3																10		10	10	9													
44/ 43	2.6	5.1	.9															10		10	10	8													
42/ 41		3.4																4		4	7	6													
40/ 39	1.7	2.6																5		5	6	8													
38/ 37	1.7	2.6																5		5	6	5													
36/ 35																					1	4													
34/ 33	.9	.9																2		2	2	3													
32/ 31																						1													
TOTAL	27.4	54.7	16.2	1.7														117		117	117	117													
																		117		117															

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.	990403	10677	91.3	7.227	117							
Dry Bulb	314682	6002	51.3	7.648	117			.8				90
Wet Bulb	297917	5849	49.9	7.261	117							90
Dew Point	284962	5704	48.8	7.358	117		.6					90

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/VAC

PSYCHROMETRIC SUMMARY

34070 340 KREUZNACH GERMANY AAF

60-70

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5	6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25	26-27	28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71						.1															1	1		
68/ 67			.0	.1																	6	6		
66/ 65		.3	.6	.3	.2																13	13		
64/ 63		.8	.1	.2																	10	10	13	
62/ 61	.1	2.5	2.5	.3																	48	48	11	16
60/ 59	.9	3.5	2.4	.6	.1																66	66	50	24
58/ 57	1.1	4.0	2.4	1.2	.1																78	78	68	58
56/ 55	2.9	7.9	3.1	.2																	125	125	99	81
54/ 53	2.4	7.4	2.4	.1	.1																106	106	130	90
52/ 51	1.6	7.9	1.2	.2																	96	96	105	112
50/ 49	2.8	4.9	1.1																		78	78	109	143
48/ 47	1.7	5.0	.8																		66	66	63	90
46/ 45	2.4	4.2	.3																		61	61	74	76
44/ 43	1.4	3.3	.5																		45	45	56	50
42/ 41	1.5	1.7																			28	28	40	43
40/ 39	1.8	2.3																			36	36	39	49
38/ 37	.6	.6																			10	10	14	34
36/ 35	.2	.5																			6	6	8	8
34/ 33	.2	.2																			4	4	4	7
32/ 31																								2
TOTAL	21.6	56.9	17.4	3.4	.7																883	883	883	883
Element (X)	ΣX^2		ΣX		\bar{X}	σ_x	No. Obs.	Mech. No. of Hours with Temperature					Total											
Rel. Hum.	7235054		79638		90.2	7.714	883	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	2429036		43940		52.0	6.642	883			7				90										
Wet Bulb	2280559		44549		50.5	6.115	883							90										
Dew Point	2166401		43405		49.2	6.096	883			2				90										

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZMACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

SEP
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	D.B. WB	Dry Bulb	Wet Bulb	Dew Point														
80/ 79								.2										2	2																
78/ 77						.1	.1											2	2																
76/ 75					.3	.1												4	4																
74/ 73					.4	.3	.2											9	9																
72/ 71				.6	1.1	.2	.1											18	18																
70/ 69			.1	1.2	1.7	.6												32	32																
68/ 67			1.3	1.3	1.4	.4	.2	.1										41	41	6															
66/ 65		.2	2.2	2.4	1.4	.7	.1	.1										65	65	20															
64/ 63		.9	3.1	3.2	1.6	.6	.3											87	87	38	12														
62/ 61		1.6	3.1	4.3	2.3	.6												107	107	65	28														
60/ 59	.3	2.4	4.9	4.9	1.7	.4												132	132	96	62														
58/ 57	.9	3.0	6.0	2.8	1.3	.2												128	128	114	88														
56/ 55	.4	3.7	5.0	1.9	.2	.1												102	102	143	53														
54/ 53	.2	2.1	2.3	.9	.2													52	52	140	127														
52/ 51	.1	2.8	1.7	.4														45	45	113	123														
50/ 49	.7	1.9	1.3	.3														38	38	76	133														
48/ 47	.1	1.1	.7															17	17	40	92														
46/ 45	.2	1.0	.1															12	12	27	56														
44/ 43		.6																5	5	16	41														
42/ 41																				2	37														
40/ 39																					12														
38/ 37																					4														
TOTAL	3.0	21.3	31.6	24.4	13.8	4.2	1.2	.4										898	898	898	898														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	5372929	68677	76.5	11.598	898	≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90																							
Dry Bulb	3203122	53352	59.4	6.099	898			10.8	1.7			90																							
Wet Bulb	2742590	49426	55.0	4.972	898			.6				90																							
Dew Point	2425901	46425	51.7	5.364	898							90																							

USAFETAC FORM 16-61 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

SEP
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	C.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
86/ 85								.1	.1	.1								3	3																
84/ 83								.2	.1	.1								2	2																
82/ 81						.2	.2	.3	.2	.1								10	10																
80/ 79					.1	.2	.3	.5	.2									12	12																
78/ 77					.1	.5	1.0	.6	.1	.1								21	21																
76/ 75				.1	.5	.9	1.6	.9	.1									36	36																
74/ 73				.2	1.4	2.2	2.2	.6	.1									59	59																
72/ 71				.6	1.9	2.4	.8	.6	.1									56	56	6															
70/ 69			.2	1.3	3.4	2.2	1.6	.6	.1									82	82	8															
68/ 67			.7	3.0	2.6	3.4	1.6	.3										102	102	24	3														
66/ 65		.5	1.7	1.8	2.9	2.6	1.5	.1										91	91	54	8														
64/ 63		.6	1.6	1.3	4.5	2.9	.8	.1										102	102	91	22														
62/ 61		.7	1.7	3.9	3.9	1.7	.7											110	110	116	38														
60/ 59		.3	2.3	2.5	2.9	.8	.2											79	79	85	66														
58/ 57		1.6	1.5	1.6	1.1	.6												56	56	117	92														
56/ 55	.1	1.0	1.4	1.1	.3													35	35	148	100														
54/ 53	.1	.3	.2	.3	.1													10	10	114	105														
52/ 51	.1	.2	.2															5	5	67	98														
50/ 49	.1	.1																2	2	32	123														
48/ 47																				10	94														
46/ 45																				1	52														
44/ 43																					47														
42/ 41																					18														
40/ 39																					12														
38/ 37																					4														
36/ 35																					1														
TOTAL	.5	5.4	10.9	17.8	25.8	20.7	12.7	4.7	1.3	.3								873	873	873	873														
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	3639175	55311	63.4	12.434	873	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	3812373	57419	65.8	6.408	873			39.5	14.7	2.1		90																							
Wet Bulb	2965495	50701	58.1	4.901	873			3.9				90																							
Dew Point	2434245	45819	52.5	5.812	873			.3				90																							

USAFETAC FORM 0-26-5 (OL A) JUL 54 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

60-70

SEP

STATION

STATION NAME

YEARS

MONTH

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	DB	WB	Dry Bulb	Wet Bulb	Dew Point														
86/ 85								.6	.2	.4																								10	10			
84/ 83							.1	.5	.8	.2																								14	14			
82/ 81									.4	.2																								5	5			
80/ 79								.4	.7	.5	.5																							17	17			
78/ 77				.1		.5	.9	1.2	.8	.1																								32	32			
76/ 75					.7	1.8	2.7	.5	.1																									49	49			
74/ 73				.2	.8	2.8	2.8	.2	.6																									64	64			
72/ 71				.4	2.6	1.9	2.4	1.4																										73	73	10		
70/ 69			.2	.7	2.2	3.0	2.1	1.5	.5																									87	87	7		
68/ 67			.5	1.5	2.4	1.3	3.0	.5																										77	77	37	2	
65/ 65		.1	1.1	1.3	2.0	3.9	2.4	.5																										93	93	55	9	
64/ 62		.2	1.5	1.4	3.0	3.1	.9																											86	86	95	23	
62/ 61		.7	1.9	1.8	2.1	1.8	.4	.2																										75	75	101	24	
60/ 59		.5	2.5	1.8	3.0	.7	.2																											73	73	87	75	
58/ 57	.1	.4	1.5	2.2	1.2	.2																												48	48	119	108	
56/ 55	.1	.9	1.1	.6	.2	.1																												26	26	144	87	
54/ 53	.1	.1	.6	.4																														10	10	92	97	
52/ 51	.1		.1	.1																														3	3	69	70	
50/ 49			.1																															1	1	20	92	
48/ 47																																					8	113
46/ 45																																				2	72	
44/ 43																																						35
42/ 41																																						21
40/ 39																																						11
38/ 37																																						4
36/ 35																																						1
34/ 33																																						1
TOTAL	.5	3.0	1.1	1.2	2.5	2.0	2.2	1.2	1.8	3	8.2	3.8	1.2																						845	845		845
Element (X)	Σx²		Σx		x̄		σx		No. Obs.		Mean No. of Hours with Temperature																											
Rel. Hum.	3200651		50855		60.2		12.880		845		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb	3852970		56756		67.2		5.957		845				45.6	20.3	3.9			90																				
Wet Bulb	2915545		49453		58.5		5.029		845				5.8					90																				
Dew Point	2340862		44194		52.3		5.911		845				.2					90																				

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/IAC

PSYCHROMETRIC SUMMARY

34070 BAC KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

SEP
MONTH

PAGE 1 1900-2000
NO. AS

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																
84/83													.3																						1	1				
82/81													.3	1.3																					5	5				
80/79										.3																										1	1			
78/77										.6				1.0				.3																		6	6			
76/75								.6	1.3			.3																									7	7		
74/73				.3				1.3	2.5		1.0																										16	16		
72/71				.6				1.3	2.5		.3			.6																							17	17		1
70/69			.3	2.2				3.8	1.6		1.0																										31	31		4
68/67			.3	3.5				2.5	2.5		.6																										31	31		
66/65		.3	1.9	1.6				2.2	2.2		.3																										27	27		9
64/63		1.0	1.9	1.6				2.5	2.5		1.0																										36	30		3
62/61		1.9	3.2	2.9				2.9	2.9		.3																										35	35		17
60/59		.3	4.5	3.5				3.5	3.5																												37	37		26
58/57		1.0	3.5	4.1				.6			.3																										30	30		36
56/55	.3	2.2	3.8	2.2																																	27	27		29
54/53		1.6	.6					.3																													8	8		41
52/51			1.0																																		3	3		33
50/49		.3																																			1	1		50
48/47			.3																																		1	1		37
46/45																																							1	19
44/43																																								6
42/41																																								5
40/39																																								1
38/37																																								1
TOTAL		.3	8.6	20.4	23.6	21.7	16.6	5.1	3.5		.3																										314	314		314

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1515806	21486	68.4	12.059	314	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1303777	20125	64.1	6.668	314			33.0	10.3	1.7		90
Wet Bulb	1052001	18107	57.7	5.008	314			4.0				90
Dew Point	892339	16623	53.0	5.865	314							90

USAFETAC 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/MAC

PSYCHROMETRIC SUMMARY

34670 STATION BAD KREUZNACH STATION NAME RMANV AAF 60 YEARS SEP MONTH

PAGE 1 2100-2300
 HOURS L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	> 31	DB. WB	Dry Bulb	Wet Bulb	Dew Point																				
60/59			25.0																																							
56/55		25.0																																								
54/53		50.0																																								
52/51																																										
50/49																																										
TOTAL		75.0	25.0																																							

Element (X)	ΣX^2	ΣX	\bar{X}	s^2	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	31034	354	88.5	5.919	4	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	12235	221	55.3	2.872	4							90
Wet Bulb	11466	214	53.5	2.880	4							90
Dew Point	10820	208	52.0	3.826	4							90

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

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

3407C BAD KREZNACH GER: A Y AAF

61-64

9CT

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

NO. OF SETS

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														
62/61		1.0																															1	1	2	2		
60/59		2.0																																2	2	2	2	
58/57		2.0																																2	2	4	5	
56/55		3.0																																3	3	4	5	
54/53		2.0	2.0																															4	4	1	1	
52/51	3.0	5.0	2.0																															10	10	5	3	
50/49	2.0	1.0																																3	3	8	7	
48/47	1.0	3.0	3.0																															7	7	6	5	
46/45	7.0	9.0	3.0																															19	19	12	12	
44/43	1.0	8.0	2.0																															11	11	12	8	
42/41	3.0	4.0																																7	7	14	10	
40/39	2.0	5.0																																7	7	9	14	
38/37	5.0	1.0																																6	6	6	13	
36/35	2.0	4.0																																6	6	6	3	
34/33	4.0	2.0																																6	6	7	7	
32/31	3.0	1.0																																4	4	4	6	
30/29		1.0																																1	1		2	
28/27		1.0																																1	1			
26/25																																					1	
24/23																																					1	
TOTAL	53.0	55.0	12.0																																100	100	100	100
Element (X)	Σx^2	Σx	R	σ_x	No. Obs	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	847043	9179	91.8	6.744	100	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																										
Dry Bulb	199214	4404	44.0	7.290	100		5.6					73																										
Wet Bulb	189539	4297	43.0	7.033	100		5.6					93																										
Dew Point	179530	4178	41.8	7.206	100		9.3					93																										

USAFETAC FORM 0-26-5 (0-1) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ IAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
YEARS

OCT
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.E. WB	Dry Bulb	Wet Bulb	Dew Point		
64/ 63			.7																	7	7				
62/ 61		.5	.7	.3																14	14	3			
60/ 59	.2	1.4	1.2																	26	26	14	10		
58/ 57		2.7	1.1	.1																36	36	27	9		
56/ 55	.9	4.7	.7																	57	57	47	39		
54/ 53	.9	3.6	1.6																	56	56	60	62		
52/ 51	2.5	4.6	2.3	.2																88	88	80	69		
50/ 49	2.3	3.5	3.1																	81	81	88	66		
48/ 47	3.1	4.0	1.7																	86	86	88	85		
46/ 45	4.0	5.5	1.4	.1																101	101	100	84		
44/ 43	3.4	4.8	.4																	78	78	108	93		
42/ 41	4.0	4.6	.1	.1																81	81	96	92		
40/ 39	2.6	3.1	.1																	53	53	65	91		
38/ 37	1.9	1.6	.1																	33	33	41	60		
36/ 35	2.4	1.6																		37	37	41	49		
34/ 33	2.0	1.6																		33	33	31	37		
32/ 31	1.6	.9																		23	23	27	31		
30/ 29	.5	.9																		13	13	11	15		
28/ 27	.4	.7																		10	10	13	7		
26/ 25		.1																		1	1	3	11		
24/ 23		.1																		1	1	1	5		
20/ 19																							1		
TOTAL	32.8	51.2	15.2	.9																916	916	916	916		
Element (X)	Zx ¹	Zx	X	X ₂	No. Obs	Mean No. of Hours with Temperature						Total													
Rel. Hum.	7677183	83557	91.2	7,764	916	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	93													
Dry Bulb	2008136	42290	46.2	7,801	916		4.9					93													
Wet Bulb	1898659	41155	44.9	7,362	916		5.6					93													
Dew Point	1796476	39992	43.7	7,425	916		7.1					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

34070 BAD KREUZNACH GERMANY AAF

60-70

JCT

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 * B	Dry Bulb	Wet Bulb	Dew Point											
72/71						.1																1	1												
70/69						.1	.2															3	3												
68/67			.1	.4	.3																8	8													
66/65			.1	.6	.5																12	12													
64/63		.1	1.7	.9																	26	26		3											
62/61		.4	2.1	.8																	30	30		13											
60/59		1.3	2.2	1.4	.4																50	50	38	6											
58/57		3.3	2.6	1.6	.2																75	75	45	36											
56/55	.8	4.3	3.5	1.5	.2	.1															96	96	82	53											
54/53	.6	2.4	2.7	2.1	.1																76	76	71	77											
52/51	.9	3.9	2.5	1.6	.4																89	89	92	75											
50/49	.9	3.8	3.7	1.8	.1																98	98	92	88											
48/47	1.9	3.9	3.3	.5	.3																94	94	101	64											
46/45	2.2	4.7	2.4	.3																	92	92	124	79											
44/43	2.2	3.1	1.6	.2																	67	67	104	1.2											
42/41	1.9	2.5	.3																		45	45	65	105											
40/39	.8	2.1	.7																		35	35	49	77											
38/37	.6	1.5	.1																		21	21	34	56											
36/35	1.3	.4																			16	15	23	47											
34/33	.8	.3																			11	11	12	22											
32/31		.5																			5	5	5	14											
30/29																							2	8											
28/27																								1											
TOTAL	14.8	28.7	29.7	13.6	2.8	.3															950	950	950												

Element (X)	Σ X²	Σ X	X̄	s²	No. Obs.	Mean No. of Hours with Temperature						
						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	6809178	79736	83.92	1.090	950							
Dry Bulb	2468816	47922	50.4	7.362	950		.5	1.2				93
Wet Bulb	2220299	45505	47.9	6.562	950		.7					93
Dew Point	2011411	43247	45.5	6.706	950		2.3					93

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/TAC

PSYCHROMETRIC SUMMARY

34070 BAL KREUZNACH GERMANY AFB
STATION STATION NAME

60-70
YEARS

301
MO. YR.

PAGE 1 1200-1400
MO. YR.

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																
78/ 77							.1	.4																									5	5					
76/ 75							.2																										2	2					
74/ 73					.1	.3	.1	.1																									6	6					
72/ 71				.2	.2	.2	.4																										13	13					
70/ 69				.3	.4	.8	.1																										15	15					
68/ 67			.1	1.0	1.6	1.0	.4																										38	38		5			
66/ 65			.4	2.0	2.2	.9	.3																										53	53		11			
64/ 63			2.7	2.3	1.3	.9																												61	61		8		
62/ 61		.4	2.1	2.8	1.5	.7		.1																										70	70		30		
60/ 59		1.0	1.4	2.9	1.5	.5	.1																											69	69		71		
58/ 57		2.3	3.5	2.8	2.0	.9																													103	103		84	
56/ 55		2.4	3.4	1.8	3.5	.8																													109	109		95	
54/ 53	.1	2.1	3.5	2.2	2.5																														94	94		98	
52/ 51		1.7	2.2	2.3	.8	.1																													65	65		102	
50/ 49	.5	1.8	2.1	2.0	.9																														67	67		93	
48/ 47	1.3	2.6	1.6	.7	.2																														59	59		102	
46/ 45	.7	2.1	.8	1.1																															42	42		95	
44/ 43	.1	1.1	1.3	.1																															24	24		53	
42/ 41	.3	.5	.4																																12	12		37	
40/ 39	.2	.3																																	5	5		22	
38/ 37	.1	.2																																	3	3		7	
36/ 35	.4																																		4	4		6	
34/ 33		.1																																	1	1		1	
32/ 31																																							
30/ 29																																							
TOTAL	4.1	18.7	24.0	24.6	19.5	7.1	2.0	.1																												920	920		920

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5026400	66890	72.7	3.320	920	= 0	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total
Dry Bulb	2894101	51677	56.2	7.476	920			8.0	1.3			93
Wet Bulb	2458378	47214	51.3	6.204	920			.5				93
Dew Point	2080667	43305	47.1	6.177	920	1.0						93

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
 STATION NAME

60-70
 YEARS

OCT
 MONTH

PAGE 1 1500-1700
 HOURS

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																
80/ 73							.1	.6																								5	6			
78/ 77							.1	.3																								5	5			
76/ 75						.1	.2	.1																								4	4			
74/ 73					.3	.3	.3	.2																								11	11			
72/ 71					.4	.7	.1	.1																								12	12			
70/ 69					.8	.9	.9																									23	23			
68/ 67			.1	.6	1.8	.9	.7	.1																								37	37	7		
66/ 65			.6	2.0	2.8	1.1	.3																									61	61	10		
64/ 63			2.3	2.7	1.5	.7	.4	.1																								66	66	16	4	
62/ 61		1.1	1.1	2.7	1.6	.3	.2	.1																								64	64	30	5	
60/ 59		1.1	2.8	3.0	2.1	.8	.3																									87	87	74	20	
58/ 57		1.7	2.9	2.7	2.2	1.3	.4																									95	95	94	51	
56/ 55		2.8	3.4	3.1	3.1	1.3																										123	123	93	67	
54/ 53	.6	1.7	2.5	1.6	1.6	.3																										73	73	108	75	
52/ 51	.1	.6	2.5	3.1	.9																											64	64	78	103	
50/ 49		1.2	1.7	1.3	.7	.2																										46	46	98	86	
48/ 47	.4	1.1	1.3	1.2	.1																											38	38	91	79	
46/ 45	.6	1.5	1.3		.1																											31	31	89	87	
44/ 43	.1	.9	1.1	.2																												20	20	40	62	
42/ 41	.3	1.0	.1																													13	13	36	68	
40/ 39	.2	.7	.4																													9	9	17	78	
38/ 37		.2																														2	2	7	37	
36/ 35																																			2	19
34/ 33																																				13
32/ 31																																				10
30/ 29																																				6
TOTAL	2.4	15.6	22.0	23.7	20.2	9.3	4.0	1.7																									890	890	890	890

Element (X)	ΣX^2	ΣX	\bar{X}	σ	No. Obs	Mean No. of Hours with Temperature					Total	
Rel. Hum.	4557757	62513	70.2	13.701	890	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	2979378	51046	57.4	7.621	890			10.2	2.7	.2		93
Wet Bulb	2433503	46209	51.9	5.213	890			.7				93
Dew Point	2028324	42032	47.2	6.977	890		1.7					93

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

61-70
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												
74/ 73					.3	.3															2	2													
72/ 71					.3	.3															2	2													
70/ 69				.3	.3																2	2													
68/ 67				.7	.3	.3															4	4													
66/ 65		.3	1.0	1.6	.3	.3															13	13	2												
64/ 63		1.0	2.6	2.0	.3	.3															15	18	5												
62/ 61		.7	2.0	.7	.7	.3															13	13	12	4											
60/ 59		3.6	2.0	3.3	.3																28	28	18	13											
58/ 57	.3	2.9	2.6	2.0	.7																26	26	24	14											
56/ 55	.3	3.6	4.6	2.0	.7																34	34	25	30											
54/ 53	.3	4.9	3.6	3.3	.7																39	39	40	16											
52/ 51	.3	2.3	2.3	1.6																	20	20	12	30											
50/ 49	.3	2.0	4.2	2.0																	26	26	27	39											
48/ 47	1.0	2.9	1.6	1.6																	22	22	23	30											
46/ 45	1.6	3.3	1.3	.7																	21	21	38	23											
44/ 43		2.3	1.6	.3																	13	13	19	29											
42/ 41		2.0	1.3																		10	10	14	18											
40/ 39		1.6	.7																		7	7	14	23											
38/ 37		.7																			2	2	6	14											
36/ 35		.3	.3																		2	2	3	12											
34/ 33	.3																				1	1	3	3											
32/ 31		.3																			1	1	1	2											
30/ 29																								3											
28/ 27																								1											
TOTAL	4.6	34.6	32.4	21.9	4.9	1.6															306	306	306	306											

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	1989122	24452	79.9	10.743	306	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	898689	16421	53.7	7.371	306			.3	3.0	.6		93
Wet Bulb	788967	15397	50.3	6.832	306			.3				93
Dew Point	703089	14499	47.4	7.264	306			1.8				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/NAO

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMANY AAF

61-64

NOV
 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	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point															
58/57		1.1																																	1	1		
56/55		1.1																																	1	1	2	2
54/53		1.1	1.1																															2	2	1	1	
52/51		1.1	2.2	1.1																														4	4		1	
50/49		5.5	6.6																															11	11	3	3	
48/47		2.2	2.2																															4	4	8	2	
46/45	1.1		4.4																															5	5	8	7	
44/43	5.5	4.4	1.1																															10	10	9	12	
42/41		3.3																																3	3	8	3	
40/39	4.4	8.8	4.4																															16	16	7	14	
38/37	2.2	6.6	1.1																															9	9	10	7	
36/35	2.2	3.3																																5	5	12	8	
34/33	1.1	6.6																																7	7	6	10	
32/31	1.1	4.4																																9	5	7	9	
30/29		2.2																																2	2	2	5	
28/27	1.1	2.2																																3	3	4	3	
26/25	1.1	1.1																																2	2	3	3	
24/23																																						4
22/21	1.1																																	1	1	1		
20/19																																					1	
TOTAL	20.9	54.9	23.1	1.1																															91	91	91	91

Element (X)	ΣX^2	ΣX	\bar{X}	s_x^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$> 80 F$	$\leq 93 F$	
Rel. Hum.	695080	7918	87.0	8.251	91							90
Dry Bulb	155128	3694	40.6	7.584	91		12.9					90
Wet Bulb	142911	3549	39.0	7.071	91		16.8					90
Dew Point	128587	3359	36.9	7.226	91		24.7					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

34070 BAD KREUZNACH GERMANY AAF

59-70

NOV
MONTH

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	Dew Point	
62/ 61				.1														1	1				
58/ 57		.4	.2	.2														7	7				
56/ 55	.1	1.1	1.5	.4														26	26	10	2		
54/ 53		.4																3	3	12	7		
52/ 51		1.3	1.3	.2														24	24	13	10		
50/ 49	.1	2.5	2.3	.2														52	52	17	17		
48/ 47	.5	2.1	2.0	.2														41	41	22	22		
46/ 45	.7	5.2	1.7	.1														65	65	53	34		
44/ 43	1.9	5.1	1.4															71	71	71	66		
42/ 41	1.7	4.0	.9															56	56	85	79		
40/ 39	2.5	7.0	1.4															92	92	65	89		
38/ 37	1.7	7.7	1.1															88	88	89	60		
36/ 35	1.9	5.8	.4															68	68	84	100		
34/ 33	3.9	5.2																102	102	112	77		
32/ 31	2.7	4.2																58	58	75	108		
30/ 29	1.7	2.4																34	34	39	65		
28/ 27	1.9	.9																24	24	30	47		
26/ 25	.8	.6																12	12	14	22		
24/ 23	.8																	7	7	10	21		
22/ 21	.5	.1																5	5	4	4		
20/ 19	.2	.5																6	6	6	4		
18/ 17		.1																1	1	2	4		
16/ 15																					2		
14/ 13																					2		
12/ 11																					1		
TOTAL	23,659	515.3	1.5																843	843	843	90	
																		843		843			
Element (X)	ΣX'	ΣX	ΣX	ΣX	No Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.	6665422	74654	88.6	8.027	843	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F												
Dry Bulb	1354469	33171	39.3	7.647	843		15.7					90											
Wet Bulb	1257002	32004	38.0	7.062	843		19.2					90											
Dew Point	1142858	30468	29.1	7.038	843		29.9					90											

USAFETAC FORM 0-26-5 (OLAI) REVISED WITHOUT ERRORS OF THIS FORM AS OBSOLETE JUL 64

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAC KREUZMACH GERMANIA AAF
STATION STATION NAME

59-70
YEARS

NOV
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. W.B.	Dry Bulb	Wet Bulb	Dew Point					
62/ 61					.1																						1	1							
60/ 59			.3	.1	.3																						7	7							
58/ 57		.3	.7	.4	.1																						15	15							
56/ 55		.3	1.	.5	.2																						19	19	9						
54/ 53		.2	1.1	.7																							19	19	15	8					
52/ 51		1.1	3.2	.6																							46	46	17	9					
50/ 49	.1	1.9	3.1	.4																							52	52	30	15					
48/ 47	.5	3.0	3.7	.4																							72	72	72	26					
46/ 45	.5	4.5	3.2	.4																							81	81	78	56					
44/ 43	1.0	4.5	1.1	.1	.1																						63	63	90	72					
42/ 41	1.1	6.2	2.5																								91	91	79	105					
40/ 39	2.0	6.5	2.2																								101	101	93	99					
38/ 37	1.6	6.9	1.2	.1																							92	92	102	81					
36/ 35	2.1	6.0	.3																								81	81	100	102					
34/ 33	3.3	6.5	.4																								96	96	109	104					
32/ 31	1.5	3.2																									44	44	63	108					
30/ 29	1.0	2.9																									36	36	50	70					
28/ 27	.7	.3																									10	10	17	44					
26/ 25	.1	.4																									5	5	3	24					
24/ 23		.1																									1	1	4	2					
22/ 21	.1	.2																									3	3	3	3					
20/ 19		.1																									1	1	1	4					
18/ 17																													1	2					
16/ 15																														1					
14/ 13																														1					
TOTAL	15.7	55.2	24.3	4.0	.9																						936	936	936	936					

Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6903234	79924	85.4	9.169	936	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1629739	38447	41.1	7.349	936		9.6					90
Wet Bulb	1478039	36683	39.2	6.559	936		13.7					90
Dew Point	1310939	34507	36.9	6.441	936		24.9					90

USAFETAC FORM NO. 41 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMAN AAF

59-70

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

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				.1	.1																													2	2				
64/63			.1		.1																														2	2			
62/61				.1	.2																														9	9			
60/59			.1	.9	1.0																														18	18	2		
58/57		.2	.6	.9	.3																														18	18	2		
56/55		.4	1.8	1.0	1.1																														39	39	13	1	
54/53		.6	1.4	1.3	.4																														34	34	22	8	
52/51		1.7	3.0	2.4		.1																													65	65	39	9	
50/49	.3	2.1	3.1	2.1	.7																														75	75	56	34	
48/47	.3	3.5	3.9	1.3	.2	.1																													64	64	30	49	
46/45	.1	4.1	3.6	1.1	.3																														83	83	90	63	
44/43	.5	3.6	4.5	.4																															83	83	103	76	
42/41	.7	3.9	3.8	.8																															82	82	78	95	
40/39	.9	5.2	2.3	.2																															77	77	99	92	
38/37	.7	5.0	1.7	.1																															74	74	93	96	
36/35	.8	5.2	1.2																																65	65	87	81	
34/33	.8	4.5	.1																																48	48	69	112	
32/31	1.0	2.0	.2																																29	29	43	82	
30/29		.9	.1																																9	9	17	45	
28/27		.2																																	2	2	8	32	
26/25																																						3	15
24/23																																						5	5
22/21																																						3	3
20/19																																						2	2
TOTAL	6.2	3.9	1.5	1.0	3.0	.3																														898	898	898	898

Element (X)	Σx'	Σx	X	x̄	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 50 F	≥ 93 F	Total
Rel. Hum.	5824891	71659	79.8	0.902	898							
Dry Bulb	1804867	39705	44.2	7.415	898		4.0					90
Wet Bulb	1574603	37157	41.4	6.435	898		7.1					90
Dew Point	1342208	34226	38.1	6.486	898		18.4					90

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

34070 BAD NEUENACH GERMANY AAF

59-70

MOY

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
66/ 65				.1																1	1		
64/ 63			.1	.2																3	3		
62/ 61			.1	.2																3	3		
60/ 59			.4	.7	.7	.4														18	18	2	
58/ 57			.1	1.3	.6	.2														19	19	3	
56/ 55		.9	1.3	1.1	.5															31	31	7	3
54/ 53		1.0	1.5	2.4	.5															44	44	19	8
52/ 51		1.5	3.5	1.2																51	51	35	9
50/ 49	.5	1.3	2.8	2.1	.2															61	61	55	22
48/ 47	.1	3.6	4.7	2.2	.5															92	92	65	41
46/ 45	.5	5.0	3.3	.6	.2															79	79	90	47
44/ 43	.6	4.4	2.4	.9																68	68	92	89
42/ 41	.6	5.1	3.5	.9	.2															79	79	91	94
40/ 39	1.1	5.1	2.9	.6																80	80	79	100
38/ 37	.6	6.3	2.1	.1																75	75	80	73
36/ 35	.9	3.9	1.1	.1																48	48	89	92
34/ 33	1.8	2.7	.1																	38	38	57	89
32/ 31	.9	1.0	.1																	16	16	32	60
30/ 29		1.5	.1																	13	13	15	33
28/ 27		.5																		4	4	9	34
26/ 25																						2	20
24/ 23																							5
22/ 21																							4
TOTAL	7.5	44.1	29.5	14.3	3.9	.6															823	823	823
Element (X)	Σ X ²		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.	5357274		65740		79.9	11.359	823		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90								
Dry Bulb	1658547		36457		44.3	7.282	823			3.6					90								
Wet Bulb	1449855		34149		41.5	6.326	823			6.3					90								
Dew Point	1234683		31437		38.2	6.417	823			17.1					90								

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAD REUZNACH GERMANY AAF
STATION STATION NAME

61-66,68-69
YEARS

NOV
MONTH

PAGE 1 1800-2000
HOURS (LST)

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												
62/ 61			.4																		1	1													
60/ 59			.4		.4																2	2													
58/ 57		.9		.4	.9																3	3	2												
56/ 55		.4	.4	.4																	3	3	2	1											
54/ 53		.4																			1	1	1	2											
52/ 51			.4	.4	.4																11	11	6	2											
50/ 49	.4	1.8	4.0	.4																	15	15	5	2											
48/ 47	.9	4.9	2.7																		19	19	15	6											
46/ 45		3.6	1.3	.4																	12	12	22	16											
44/ 43	1.3	8.1																			21	21	18	20											
42/ 41	1.8	4.9	1.3																		18	18	24	25											
40/ 39	1.3	8.1	3.6	.4																	30	30	16	21											
38/ 37	.4	8.1	1.3																		23	23	25	15											
36/ 35	.4	7.6	1.3	.4																	22	22	30	22											
34/ 33	1.3	5.8	.9																		18	18	23	25											
32/ 31	1.8	1.8																			8	8	16	25											
30/ 29		4.9																			11	11	6	17											
28/ 27		1.3																			3	3	9	8											
26/ 25																							3	9											
24/ 23																								4											
22/ 21																								3											
TOTAL	9.9	62.8	22.4	3.1	1.6																223	223	223	223											
Element (X)		Zx'	Zx	X	sx	No. Obs.	Mean No. of Hours with Temperature					Total																							
Rel. Hum.		1608801	18823	84.4	9.336	223	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb		390221	9191	41.2	7.170	223		8.9					90																						
Wet Bulb		352932	8750	39.2	6.584	223		13.7					90																						
Dew Point		310937	8187	36.7	6.834	223		26.6					90																						

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34070 BAC KREUZNACH GERMANY AAF
STATION STATION NAME

66
YEARS

DEC
MONTH

PAGE 1

0000-0200
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	31	DB	W.B.	Dry Bulb	Wet Bulb	Dew Point								
30/29	.0																																				
TOTAL	.0																									1	1	1	1	1							
																									1	1	1	1	1								

Element (X)	$\sum X^2$	$\sum X$	\bar{X}	σ_x	No Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	10000	100	100.0		1	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	841	29	29.0		1		93.0					93
Wet Bulb	841	29	29.0		1		93.0					93
Dew Point	841	29	29.0		1		93.0					93

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/PAC

PSYCHROMETRIC SUMMARY

34070 BAC KREUZNACH GERMANY AAF

61-64

DEC

STATION

STATION NAME

YEARS

MONTH

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	WB	Dry Bulb	Wet Bulb	Dew Point										
60/ 59				1.2																			1	1												
58/ 57																							1	1												
56/ 55		1.2	1.2																				2	2	1	1										
54/ 53																											2									
52/ 51		2.4	1.2																				3	3	1	1										
50/ 49			1.2																				1	1	2	1										
48/ 47																											1									
46/ 45		2.4																						2	1	1										
44/ 43		2.4																					2	2	2											
42/ 41																											2									
40/ 39	1.2	1.2	2.4																				4	4	1	3										
38/ 37	1.2	8.8	1.2	1.2																			10	10	5	1										
35/ 35	2.4	2.4	1.2																				5	5	9	3										
34/ 33	1.2	10.7	1.2																				11	11	9	9										
32/ 31	2.4	4.8																					6	6	17	12										
30/ 29	2.4	7.1																					8	8	8	5										
28/ 27	2.4	3.6																					5	5	5	8										
26/ 25	1.2	2.4																					3	3	3	7										
24/ 23	1.2	3.6																					4	4	4	4										
22/ 21																											2									
20/ 19	2.4	2.4																					4	4	2	3										
18/ 17	1.2	4.8																					5	5	5											
16/ 15	1.2	1.2																					2	2	4											
14/ 13																											2									
12/ 11	1.2	3.6																					4	4	4	5										
10/ 9	1.2																						1	1	1											
8/ 7																											3									
6/ 5																											2									
TOTAL	22,664	310,7	2.4																				84	84	84	84										
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature							Total																							
Rel. Hum.	626434	7222	86.0	8.151	84	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb	95375	2677	31.9	11.010	84		46.5																						93							
Wet Bulb	87274	2566	30.5	10.349	84		53.1																						93							
Dew Point	75958	2356	28.0	10.909	84		64.2																						93							

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

36070 BAD KREUZMACH GER-A-Y AAF

59-70

DEC

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 Point								
58/57		.2	.2	.1																					5	5									
56/55	.1	.4	.9																						11	11	3								
54/53			.1	.1																				2	2	7	5								
52/51		.2	.5																					6	6	6	3								
50/49	.1	.6	.2																					8	8	6	6								
48/47		.7	.7																					13	13	6	9								
46/45		2.6	.9	.5																				32	32	11	8								
44/43	.2	2.2	.6																					25	25	28	13								
42/41		2.2	.9																					25	25	28	19								
40/39	.5	4.7	2.3																					61	61	36	34								
38/37	1.1	5.2	1.1																					60	60	60	38								
36/35	2.0	6.8	.7																					77	77	98	63								
34/33	3.6	9.1	.1																					104	104	105	93								
32/31	4.6	4.0	.4																					72	72	86	118								
30/29	3.2	6.7	.2																					82	82	69	71								
28/27	3.3	2.8																						50	50	78	66								
26/25	1.5	2.7																						34	34	32	44								
24/23	1.9	2.3																						36	34	40	53								
22/21	1.7	1.0																						22	22	27	33								
20/19	1.2	1.2																						20	20	20	33								
18/17	.9	1.5																						19	19	17	21								
16/15	1.1	.9																						16	16	18	12								
14/13	.9	1.0																						15	15	16	20								
12/11	.9	.1																						8	8	10	12								
10/9	.6	.1																						6	6	7	13								
8/7	.2																							2	2	2	8								
6/5																											11								
4/3																											3								
TOTAL	29,759	610,0	.7																						809	809	809	809							
Elevation (X)	Zx ²	Zx	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total																								
Ref Hum.	6223955	77665	87.3	7.981	809	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb	923551	25317	32.5	9.137	809		43.7					93																							
Wet Bulb	855332	25372	31.4	8.589	809		48.5					93																							
Dew Point	752214	23546	29.1	9.100	809		59.5					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

34070 BAD KREUZNACH GERMANY AAF

59-70

DEC

STATION

STATION NAME

YEARS

PAGE 1 0900-1100

HOURLY

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	.2	3-4	5-6	7-8	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														
60/ 39				.2	.1													5	3																
58/ 37		.2	.5	.1														8	8																
56/ 35			.4															4	4	3															
54/ 33			.3	.2														5	5	8	3														
52/ 31		.3	.7	.1	.1													12	12	6	3														
50/ 29			.4	.1														5	5	5	8														
48/ 27		.5	1.7															21	21	11	8														
46/ 25		1.9	2.1	.6														44	44	21	4														
44/ 23		2.1	2.7															46	46	28	19														
42/ 21		2.1	2.2															41	41	48	24														
40/ 19	.5	4.3	1.3															65	65	38	38														
38/ 17	1.3	7.2	1.5															91	91	79	62														
36/ 15	1.9	7.9	1.1															104	104	104	92														
34/ 13	3.7	7.2	1.1															115	115	126	114														
32/ 11	2.7	5.5	.5															82	82	105	122														
30/ 9	2.2	4.5	.7															71	71	83	99														
28/ 7	1.7	3.0	.1															46	46	60	65														
26/ 5	1.9	4.5	.4															65	65	56	46														
24/ 3	1.6	1.7																31	31	50	67														
22/ 1	1.9	.7																25	25	29	40														
20/ 19	1.0	.9																19	21	18	42														
18/ 17	.7	1.5																21	21	18	23														
16/ 15	.5	.8																14	14	16	15														
14/ 13	.5	.3																8	8	12	18														
12/ 11	.4	.3																7	7	8	11														
10/ 9	.2	.1																3	3	4	12														
8/ 7	.2																	2	2	2	7														
6/ 5																					8														
4/ 3																					3														
2/ 1																					1														
TOTAL	23.0	57.6	17.6	1.4	.3													958	960	958	958														
Element (X)	Zx'	Zx	X	σx	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	7025556	81602	85.2	8.837	958	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93																							
Dry Bulb	1161941	32303	33.6	8.842	960		38.4					93																							
Wet Bulb	1056915	30851	32.2	8.140	958		44.8					93																							
Dew Point	908700	28336	29.6	8.387	958		56.2					93																							

REMOVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAETAC

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AF

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNAC, GERMANY AAF

59-70

DEC

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	21-22	23	24	25-26	27	28	29	30	31	D.B. WB	Dry Bulb	Wet Bulb	Dew Point								
62/61						.1																			1	1									
60/59					.3	.2																			5	5									
58/57		.5	.3	.2																					10	10									
56/55			.3			.1																			4	4	5								
54/53		.1	.2	.2																					5	5	9	5							
52/51		.3	.5	.2																					10	10	6	7							
50/49		.2	1.0	.1																					18	18	8	7							
48/47		1.0	2.3	.4																					34	34	11	12							
46/45		1.3	4.4	.7																					58	58	28	10							
44/43		1.7	4.2	.3																					58	58	34	12							
42/41		1.7	3.3	.5																					51	51	72	32							
40/39	.7	5.0	3.3	.4																					86	86	71	49							
38/37	.2	8.5	1.1	.3																					93	93	87	73							
36/35	.8	7.4	2.7	.1																					101	101	116	90							
34/33	2.3	6.5	2.2	.2																					103	103	103	123							
32/31	1.7	5.8	2.1																						88	68	106	108							
30/29	.8	4.0	1.																						53	53	71	85							
28/27	1.0	3.3																							39	39	62	64							
26/25	.7	2.6	.2																						32	32	42	53							
24/23	.5	2.0	.3																						26	26	29	60							
22/21		1.3	.2																						14	14	18	36							
20/19	.1	.9	.2																						11	11	12	34							
18/17	.4	1.0																							13	13	17	14							
16/15	.1	.2																							3	3	7	14							
14/13	.2																								2	2	4	11							
12/11	.1																								1	1	1	5							
10/9																												9							
8/7																												3							
6/5																												4							
4/3																												1							
TOTAL	9.6	55.4	10.5	4.1	.4																				919	919	919	919							

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum	6097953	74298	80.8	9.968	919	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	93 F	Total
Dry Bulb	1267775	33311	36.2	8.108	919		28.5					93
Wet Bulb	1122171	31375	34.1	7.455	919		37.3					93
Dew Point	330128	28268	30.8	8.126	919		50.9					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/AC

PSYCHROMETRIC SUMMARY

34070 BAD KREUZNACH GERMA V AAF

59-70

DEC

STATION

STATION NAME

YEARS

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. WB	Dry Bulb	Wet Bulb	Obs - Prev			
60/ 59				.4		.1																							4	4					
58/ 57				.4	.1	.4																							7	7					
56/ 53				.6	.1	.2																							2	8	5				
54/ 53			.1	.2	.1	.1																							5	5	4	5			
52/ 51			.5		.4																								7	7	7	2			
50/ 49			.5	.9																									11	11	8	8			
48/ 47	.1		1.1	1.3	.1																								23	23	15	4			
46/ 45			2.1	3.7	.5																								51	51	15	14			
44/ 43			2.5	3.3	.5																								51	51	35	17			
42/ 41		.1	3.0	3.9	.4																								60	60	68	27			
40/ 39		.4	4.4	3.8	.1																								71	71	57	43			
38/ 37		.4	7.5	1.7	.1																								79	79	66	59			
36/ 35	1.4	6.4	2.0	.5	.1																								91	91	154	70			
34/ 33	3.1	6.0	1.0	.1																									88	88	102	101			
32/ 31	2.2	5.8	1.2																										75	75	98	111			
30/ 29	.5	3.7	1.6																										47	47	59	68			
28/ 27	.9	4.2	.4																										44	44	63	71			
26/ 25	.6	3.1	.1																										31	31	38	40			
24/ 23	.4	1.4	.6																										19	19	27	47			
22/ 21	.1	2.1																											18	18	7	38			
20/ 19	.7	.6	.2																										13	13	27	33			
18/ 17		.9																											7	7	3	13			
16/ 15	.1																												1	1	9	9			
14/ 13																																	13		
12/ 11																																	6		
10/ 9																																	5		
8/ 7																																	3		
6/ 5																																	2		
4/ 3																																	2		
TOTAL	11.0	55.9	27.1	3.1	1.0																									811	811	811			

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	5443604	65914	81.3	10.391	811	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1110889	29323	36.2	7.909	811		29.2					93
Wet Bulb	987247	27669	34.1	7.308	811		37.3					93
Dew Point	822376	24974	30.8	6.114	811		32.9					93

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 STATION NAME: BAU KREUZNACH GERMANY AAF

61-66,68-69 YEARS

DEC 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	DB W.B.	Dry Bulb	Wet Bulb	Dew Point							
60/59			.5																							1	1								
56/57						.5																				1		1							
56/55		.5	1.9	.5		.5																				7	7								
54/53						.5																				1	1	3	1						
52/51																												3	1						
50/49		.5	1.9																							5	5	2	4						
48/47		1.9	.5																							5	5	3	1						
46/45		1.9	1.4																							7	7	8	3						
44/43		3.8	1.9																							12	12	7	7						
42/41	.5	3.3	5.2	.5																						20	20	11	8						
40/39		2.3	3.3																							12	12	15	10						
38/37	.5	9.4	3.3																							28	28	22	8						
36/35	.5	5.2																								12	12	25	19						
34/33	2.8	6.1	.5																							20	20	24	30						
32/31	3.3	11.3	.5																							32	32	22	28						
30/29	2.3	4.2																								14	14	21	27						
28/27	1.4	3.3	1.4																							13	13	14	19						
26/25	.5	3.3																								8	8	8	12						
24/23	1.9	1.4																								7	7	14	6						
22/21		1.4																								3	3	3	8						
20/19	1.4	.5																								4	4	6	8						
18/17																													8						
16/15	.5																									1	1	1	2						
14/13																													3						
TOTAL	15.5	60.1	22.1	.9	1.4																					213	213	213	213						

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	1524633	17923	84.1	8.820	213	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	287955	7635	35.8	8.207	213		35.8					93
Wet Bulb	259659	7267	34.1	7.438	213		38.9					93
Dew Point	222249	6683	31.4	7.699	213		52.8					93

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

NO. 64

USAF/ETA

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

PSYCHROMETRIC SUMMARY

34070 BAD NEUENACH GERMANY AAF 66 YEARS
 STATION MONTH
 PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17	18	19-20	21	22	23	24	25	26	27	28	29	30	> 31											
32/ 31	50.0	50.0																														2	2	2	1
30/ 29																																		1	
TOTAL	50.0	50.0																													2	2	2	2	

Element (X)	ΣX^2	ΣX	\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.	17921	189	94.5		2							93
Dry Bulb	1995	63	31.5		2		93.0					93
Wet Bulb	1922	62	31.0		2		93.0					93
Dew Point	1802	60	30.0		2		93.0					93

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

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34070 BAD KREUZNACH GER A Y AAF 59-70

STATION	STATION NAME	YEARS												ANNUAL
MRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
00-02				42.7				65.3		52.0			29.0	50.6
	MEAN													13,700
	S D													8
	TOTAL OBS			3				3		1			1	
03-05		29.9	29.6	33.2	44.4	47.2	52.7	55.2	55.7	51.3	44.0	40.6	31.9	44.4
	MEAN													12,066
	S D	10,599	10,371	8,900	5,990	5,574	6,200	5,718	5,437	7,648	7,290	7,384	11,010	1306
	TOTAL OBS	99	93	76	130	128	128	126	132	117	100	91	84	
06-08		31.0	32.3	36.5	44.2	51.1	58.0	59.4	57.8	52.0	46.2	39.3	32.9	45.6
	MEAN													12,508
	S D	9,552	9,995	7,936	6,629	6,085	5,741	5,419	5,337	6,642	7,801	7,647	9,137	10662
	TOTAL OBS	800	759	949	929	944	945	929	956	883	916	843	809	
09-11		32.1	34.8	40.7	50.7	58.7	65.6	67.3	65.6	59.4	50.4	41.1	33.6	50.2
	MEAN													14,680
	S D	9,045	8,886	7,421	7,363	6,583	6,887	6,762	5,912	6,099	7,382	7,349	8,842	11222
	TOTAL OBS	901	831	966	951	957	962	944	966	898	950	936	960	
12-14		34.9	38.6	45.6	55.7	63.5	70.0	72.2	71.2	65.8	56.2	44.2	36.2	54.8
	MEAN													15,548
	S D	8,236	7,737	7,610	8,817	7,665	8,007	8,220	7,220	6,408	7,476	7,415	8,108	10857
	TOTAL OBS	864	788	93	924	936	942	914	939	873	920	898	919	
15-17		35.1	39.5	47.1	56.9	64.9	70.9	73.5	72.2	67.2	57.4	44.3	36.2	56.0
	MEAN													15,894
	S D	8,135	7,643	7,870	9,329	8,107	8,329	8,840	7,714	6,937	7,621	7,282	7,909	10231
	TOTAL OBS	795	739	890	888	903	895	862	890	845	890	823	811	
18-20		34.2	36.1	44.3	54.7	63.5	69.8	71.3	70.4	64.1	53.7	41.2	35.8	56.0
	MEAN													15,180
	S D	8,044	7,543	6,885	7,867	7,832	8,164	8,586	7,573	6,668	7,371	7,170	8,207	3314
	TOTAL OBS	174	159	279	338	327	324	322	325	31	306	223	213	
21-23				50.6				69.0		55.3			31.5	51.9
	MEAN													9,340
	S D			5,480					2,872					28
	TOTAL OBS			19				3	4				2	
ALL HOURS		33.2	36.1	42.3	51.8	59.4	65.9	67.9	66.5	61.0	52.4	42.1	34.7	51.7
	MEAN													15,266
	S D	8,961	9,120	8,755	9,396	9,134	9,135	9,409	8,833	8,866	9,778	7,681	8,702	47628
	TOTAL OBS	3633	3279	4093	4179	4205	4186	4103	4208	3933	4082	3914	3799	

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/ALC

MEANS AND STANDARD DEVIATIONS

NET-B.L.R TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34070 BAD KREUZ-ACH GERMANY AAF 59-70

HRS LST	STATION NAME												YEARS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02			40.3				60.7		31.0			29.0	47.9
													12,147
													8
03-05	28.8	28.4	31.9	42.5	45.3	50.8	53.2	53.8	49.9	43.0	39.0	30.5	42.8
	10,161	9,906	8,678	5,709	6,254	5,999	5,161	5,013	7,261	7,033	7,071	10,349	11,611
	98	93	78	137	129	128	126	132	117	100	91	84	1305
06-08	29.9	31.1	34.7	41.8	48.1	54.5	56.0	55.5	50.5	44.9	38.0	31.4	43.5
	9,202	9,481	7,465	6,194	5,486	5,137	4,868	4,902	6,115	7,362	7,062	8,389	11,656
	798	758	949	929	944	945	929	956	883	916	843	809	10659
09-11	30.8	33.0	37.7	45.8	52.3	58.2	59.6	59.2	53.0	47.9	39.2	32.2	46.1
	6,389	8,414	6,751	6,200	5,300	5,322	5,098	4,532	4,972	6,542	6,559	8,140	12,366
	900	831	966	951	957	962	944	966	898	950	936	958	11219
12-14	32.9	35.7	40.8	48.4	54.3	59.7	61.3	61.2	58.1	51.3	41.4	34.1	48.5
	7,506	7,139	6,478	6,473	5,642	5,499	5,502	4,831	4,901	6,204	6,435	7,455	12,115
	864	798	930	924	936	942	914	939	873	920	898	919	10857
15-17	33.1	36.4	41.6	48.8	54.7	59.9	61.8	61.4	58.3	51.9	41.5	34.1	49.1
	7,680	6,913	6,511	6,492	5,580	5,324	5,505	4,546	5,029	6,213	6,326	7,308	12,037
	795	739	890	888	903	895	862	890	845	890	823	811	10231
18-20	32.6	35.7	39.8	47.6	54.2	59.8	61.1	60.7	57.7	50.3	39.2	34.1	49.7
	7,727	6,932	6,084	5,339	5,632	5,183	5,529	4,873	5,008	6,832	6,584	7,438	11,748
	174	159	279	338	337	324	322	325	314	306	223	213	3314
21-23				44.9			64.0		53.5			31.0	47.2
				4,790					2,380				8,732
				19			3		4			2	28
ALL HOURS	31.6	33.8	38.6	46.2	52.3	58.0	59.6	59.2	53.3	48.9	39.9	33.0	46.9
	8,476	8,363	7,345	6,806	6,234	5,872	5,814	5,416	6,232	7,209	6,760	8,012	12,234
	3529	3378	4095	4179	4205	4196	4103	4208	3933	4082	3814	3797	47621

DATA PROCESSING DIVISION
 USAF ETAC
 AIR WEATHER SERVICE/AC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34070 BAD KREUZ-ACH GERMANY AAF 59-70

HRS LST	STATION NAME												ANNUAL	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
00-02	MEAN			37.0			37.3		50.0			29.0	45.3	
	S D												11.585	
	TOTAL OBS			3			3		1			1	8	
03-05	MEAN	25.9	23.6	29.3	40.3	43.3	49.3	51.5	52.3	48.8	41.8	36.9	28.0	40.4
	S D	11.348	10.903	9.657	5.979	6.511	6.305	5.305	5.064	7.358	7.206	7.226	10.909	12.276
	TOTAL OBS	98	93	78	130	128	128	126	132	117	100	91	84	1705
06-08	MEAN	27.5	28.4	32.0	39.1	45.2	51.8	53.4	53.5	49.2	43.7	36.1	29.1	41.3
	S D	10.346	10.306	7.985	6.637	5.806	5.518	5.272	5.055	6.096	7.425	7.038	9.100	11.999
	TOTAL OBS	798	758	949	929	944	945	929	986	883	916	843	809	10659
09-11	MEAN	28.0	29.8	33.5	40.6	46.7	52.9	54.4	54.8	51.7	45.5	36.9	29.6	42.2
	S D	9.373	9.414	7.606	7.029	6.324	6.237	5.939	5.183	5.364	6.706	6.441	8.587	12.139
	TOTAL OBS	900	831	966	951	937	962	944	966	898	950	936	958	11219
12-14	MEAN	29.3	31.2	34.6	41.1	46.6	52.5	54.1	54.6	52.5	47.1	38.1	30.8	42.9
	S D	9.134	8.514	7.714	7.258	7.104	6.560	6.402	5.709	5.812	6.782	6.486	8.126	11.714
	TOTAL OBS	864	798	930	924	936	942	914	939	873	920	898	919	10897
15-17	MEAN	29.5	31.7	34.8	40.7	46.3	52.2	54.1	54.1	52.3	47.2	38.2	30.8	43.0
	S D	8.978	8.192	7.908	7.454	7.191	6.432	6.333	5.788	5.911	6.977	6.417	8.114	11.533
	TOTAL OBS	795	739	890	888	903	895	862	890	845	890	823	811	10231
18-20	MEAN	29.8	29.7	34.3	40.4	46.3	52.9	54.4	54.3	53.0	47.4	36.7	31.4	44.4
	S D	9.009	8.020	7.402	6.505	7.157	5.988	6.259	5.647	5.465	7.264	6.834	7.699	11.302
	TOTAL OBS	174	159	279	338	337	324	322	325	314	306	223	213	3314
21-23	MEAN				36.8			61.0		52.0			30.0	42.4
	S D				6.033					1.826				9.871
	TOTAL OBS				15			3		4			2	28
ALL HOURS	MEAN	28.6	30.1	33.7	40.3	46.1	52.3	54.0	54.2	51.5	45.9	37.3	30.1	42.4
	S D	9.614	9.257	7.902	7.046	6.700	6.242	6.023	5.470	5.988	7.171	6.673	8.533	11.859
	TOTAL OBS	3629	3378	4093	4179	4205	4196	4103	4208	3995	4082	3814	3797	47621

1
 DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/TAC

RELATIVE HUMIDITY

34070 BAD KREUZNACH GERMANY AAF
 STATION STATION NAME

59-70
 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	99.8	97.3	88.6	66.5	29.1	83.6	3629
FEB		100.0	100.0	100.0	99.8	98.1	92.4	81.4	56.2	20.3	80.2	3378
MAR		100.0	100.0	99.9	98.6	93.8	84.4	68.2	42.9	11.4	73.1	4095
APR		100.0	100.0	99.0	94.9	82.5	65.7	51.1	28.3	7.6	68.5	4179
MAY		100.0	100.0	98.9	91.1	76.7	59.4	43.1	26.5	9.7	66.1	4205
JUN		100.0	100.0	99.2	91.7	75.9	59.9	43.9	29.4	9.4	66.7	4196
JUL		100.0	100.0	99.1	94.0	81.8	68.4	57.6	21.4	6.9	68.5	4103
AUG		100.0	100.0	99.6	94.5	80.8	63.1	48.2	34.5	13.1	69.0	4208
SEP		100.0	100.0	100.0	99.3	94.3	82.6	69.6	53.4	35.3	78.8	3935
OCT		100.0	100.0	100.0	99.9	98.1	91.3	78.4	57.0	32.0	81.6	4082
NOV		100.0	100.0	100.0	100.0	99.8	97.5	89.7	66.8	30.2	84.2	3814
DEC		100.0	100.0	100.0	100.0	99.9	99.0	93.1	76.5	39.7	87.4	3797
TOTALS		100.0	100.0	99.6	97.0	90.1	80.1	67.7	46.6	20.4	75.8	47621

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/AC

RELATIVE HUMIDITY

34070 BAC KREUZNACH GERMANY AAF 60-70 JAN
 STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	00-02												
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	94.9	72.4	29.6	84.9	98	
	06-08	100.0	100.0	100.0	100.0	100.0	99.4	94.6	78.2	40.6	86.8	798	
	09-11	100.0	100.0	100.0	100.0	99.8	98.2	92.3	69.3	31.1	84.8	900	
	12-14	100.0	100.0	100.0	100.0	99.5	95.0	80.4	52.9	20.9	80.3	864	
	15-17	100.0	100.0	100.0	100.0	99.6	94.7	79.2	54.5	21.4	80.5	795	
	18-20	100.0	100.0	100.0	100.0	100.0	97.7	90.2	71.8	31.0	84.3	174	
	21-23												
TOTALS		100.0	100.0	100.0	100.0	99.8	97.3	88.6	66.5	29.1	83.6	3629	

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34070
STATION

BAD KREUZNACH GERMANY AAF
STATION NAME

60-70
PERIOD

FEB
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	98.9	95.7	73.1	26.9	85.1	93	
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	93.5	74.0	35.1	85.7	758	
	09-11	100.0	100.0	100.0	100.0	99.6	96.4	87.2	62.8	23.1	82.3	831	
	12-14	100.0	100.0	100.0	99.4	96.7	85.5	68.5	38.8	12.2	75.5	798	
	15-17	100.0	100.0	100.0	99.1	94.3	82.8	66.8	35.5	10.7	74.5	739	
	18-20	100.0	100.0	100.0	100.0	98.1	91.8	76.7	52.2	13.8	78.3	159	
	21-23												
TOTALS		100.0	100.0	100.0	99.8	98.1	92.4	81.4	56.2	20.3	80.2	3378	

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/AC

RELATIVE HUMIDITY

34070 BAL KREUZ-ACH GER. A.V. AAF
STATION STATION NAME

60-70

PERIOD

MAR

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60	70	80	90			
MAR	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.7			80.0	3
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	94.9	75.6	32.1		83.7	78
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	92.8	68.4	28.2		84.2	949
	09-11	100.0	100.0	100.0	100.0	99.2	91.3	70.0	35.9	9.1		76.1	966
	12-14	100.0	100.0	99.9	97.5	87.3	66.0	37.4	14.8	4.4		66.4	930
	15-17	100.0	100.0	99.3	93.9	80.9	59.0	31.3	14.3	2.5		63.8	890
	18-20	100.0	100.0	100.0	98.0	89.2	74.9	50.5	24.4	5.4		69.3	279
	21-23												
TOTALS		100.0	100.0	99.9	98.6	93.8	84.4	68.2	42.9	11.4		75.1	6095

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/TAC

RELATIVE HUMIDITY

34070 BAD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50	60	70	80	90			
APR	00-02												
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.7	80.0	26.2	85.8	130	
	06-08	100.0	100.0	100.0	100.0	99.9	98.4	89.5	58.9	18.8	82.3	929	
	09-11	100.0	100.0	100.0	99.4	92.0	74.3	46.6	18.5	3.8	69.4	951	
	12-14	100.0	100.0	98.7	92.1	68.5	46.3	23.6	9.6	1.1	59.8	924	
	15-17	100.0	100.0	95.6	83.2	59.2	41.1	23.2	8.3	.9	57.0	888	
	18-20	100.0	100.0	98.2	89.9	68.6	47.3	30.8	12.4	2.1	60.7	338	
	21-23	100.0	100.0	100.0	100.0	89.5	82.6	42.1	10.5		64.8	19	
TOTALS		100.0	100.0	99.0	94.9	82.3	65.7	51.1	28.3	7.6	68.3	4179	

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICES/TAC

RELATIVE HUMIDITY

34C70 BAD NEUZNACH GERMANY AAF

60-70

JUL
 MONTH

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50	60	70	80	90		
JUL	30-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.7	86.7	34.4	88.3	128
	06-08	100.0	100.0	100.0	99.9	99.7	96.4	82.9	53.2	16.4	80.5	945
	09-11	100.0	100.0	100.0	98.5	85.7	61.7	31.5	12.9	2.1	64.9	962
	12-14	100.0	100.0	98.8	83.9	58.8	32.8	15.9	6.3	0.8	55.6	942
	15-17	100.0	100.0	97.6	79.1	50.4	30.3	15.6	7.3	1.5	53.8	895
	18-20	100.0	100.0	98.8	86.7	60.5	38.2	19.8	9.9	1.2	57.2	324
	21-23											
	TOTALS	100.0	100.0	99.2	91.7	75.9	59.9	43.9	29.4	9.4	65.7	4196

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/WAC

RELATIVE HUMIDITY

34070 3AD KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80	90			
JUL	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			73.3	3
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	97.6	81.0	34.9		87.6	126
	06-08	100.0	100.0	100.0	100.0	99.8	97.0	86.0	54.8	14.5		81.0	929
	09-11	100.0	100.0	99.8	97.5	87.6	59.6	29.9	12.0	1.9		64.4	944
	12-14	100.0	100.0	97.8	88.0	55.5	27.7	13.0	6.2	1.0		54.6	914
	15-17	100.0	100.0	97.0	79.8	47.8	26.1	13.1	6.4	1.2		52.6	862
	18-20	100.0	100.0	98.1	87.0	63.4	37.3	20.8	10.6	1.9		57.3	322
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0				73.3	3
	TOTALS	100.0	100.0	99.1	94.0	81.8	66.4	57.6	21.4	6.9		68.5	4103

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/ETAC

RELATIVE HUMIDITY

34070 94F KREUZNACH GERMANY AAF
STATION STATION NAME

60-70
PERIOD

SEP
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70	80	90		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.0	1
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.1	90.6	59.0	91.3	117
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	98.5	87.0	56.1	90.2	883
	09-11	100.0	100.0	100.0	100.0	98.6	91.4	68.9	38.0	11.0	76.3	898
	12-14	100.0	100.0	100.0	98.6	86.7	55.6	26.7	11.1	1.9	63.4	873
	15-17	100.0	100.0	100.0	96.3	76.3	43.6	21.2	7.7	2.4	60.2	845
	18-20	100.0	100.0	100.0	99.4	92.4	72.3	42.0	17.8	1.9	68.4	314
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	75.0	50.0	88.5	4
TOTALS		100.0	100.0	100.0	99.3	94.3	82.6	69.6	53.4	35.3	78.8	3935

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/AC

RELATIVE HUMIDITY

34070 BAD KRFUZZACH GERMAN Y AAF
 STATION STATION NAME

60-70
 PERIOD

OCT
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0	66.0	91.8	100
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.5	88.2	61.0	91.2	916
	09-11	100.0	100.0	100.0	100.0	99.9	98.1	87.6	60.9	32.9	83.9	930
	12-14	100.0	100.0	100.0	99.9	96.0	79.2	54.1	29.3	9.5	72.7	920
	15-17	100.0	100.0	100.0	99.3	92.7	73.8	47.9	24.9	6.7	70.2	890
	18-20	100.0	100.0	100.0	100.0	99.7	96.4	81.0	48.4	15.7	79.9	306
	21-23											
	TOTALS	100.0	100.0	100.0	99.9	96.1	91.3	78.4	57.0	32.0	81.6	4082

DATA PROCESSING DIVISION
 ETAG/USAF
 AIR WEATHER SERVICE/AAC

RELATIVE HUMIDITY

34070 BAD KREUZNACH GER A Y AAF

59-70

NOV
 MONTH

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS	
		10%	20%	30%	40%	50%	60	70	80	90			
NOV	00-02												
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.9	75.8	33.0	87.0	91	
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.4	82.3	47.0	88.5	843	
	09-11	100.0	100.0	100.0	100.0	99.9	99.4	92.9	70.0	33.4	85.4	936	
	12-14	100.0	100.0	100.0	100.0	99.6	94.7	78.8	30.0	18.5	79.8	898	
	15-17	100.0	100.0	100.0	100.0	99.4	93.2	77.9	51.5	18.5	79.9	823	
	18-2	100.0	100.0	100.0	100.0	100.0	97.8	92.4	70.9	30.9	84.4	223	
	21-23												
TOTALS		100.0	100.0	100.0	100.0	99.8	97.5	89.7	66.8	30.2	84.2	3814	

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/AC

RELATIVE HUMIDITY

34070 340 KREUZBACH GERMANY AAF
STATION STATION NAME

59-70
PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS	
		10%	20%	30%	40%	50%	60	70	80	90			
DEC	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
	03-05	100.0	100.0	100.0	100.0	100.0	98.8	96.4	75.0	33.3	86.0	84	
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	96.9	81.7	38.9	87.3	809	
	09-11	100.0	100.0	100.0	100.0	100.0	99.7	93.5	72.2	31.1	85.2	958	
	12-14	100.0	100.0	100.0	100.0	100.0	97.5	82.9	54.1	18.8	80.8	919	
	15-17	100.0	100.0	100.0	100.0	99.4	96.7	83.2	59.3	19.5	81.3	811	
	18-20	100.0	100.0	100.0	100.0	100.0	99.1	92.0	69.5	26.3	84.1	213	
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	50.0	94.5	21	
TOTALS		100.0	100.0	100.0	100.0	99.9	99.0	93.1	76.3	39.7	87.4	3797	

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

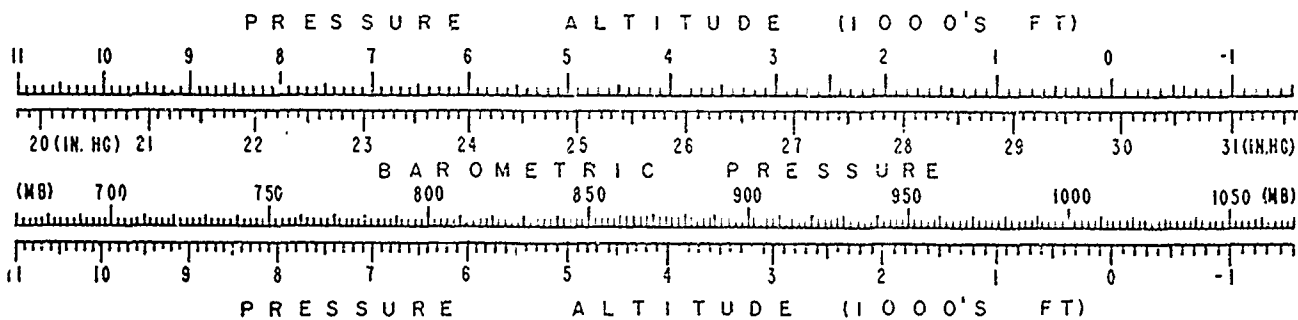
PART F

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.



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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34070 3A KREUZ ACP GER A.Y AAF 59-53,65-70

STATION	STATION NAME	YEARS												ANNUAL
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
01	MEAN			29,36				29,650						29,505
	S D													
	TOTAL OBS			1				1						2
04	MEAN							29,650						29,650
	S D													
	TOTAL OBS							1						1
07	MEAN	29,638	29,552	29,614	29,579	29,622	29,673	29,662	29,610	29,646	29,668	29,530	29,559	29,615
	S D	.318	.340	.298	.242	.180	.167	.165	.160	.195	.258	.299	.341	.254
	TOTAL OBS	213	194	267	256	260	261	272	291	277	294	262	234	3074
10	MEAN	29,649	29,559	29,637	29,583	29,623	29,673	29,662	29,616	29,657	29,667	29,533	29,589	29,624
	S D	.313	.335	.300	.243	.179	.167	.164	.156	.195	.259	.297	.352	.258
	TOTAL OBS	242	223	267	257	260	261	272	291	278	295	289	292	3220
13	MEAN	29,635	29,543	29,611	29,564	29,603	29,654	29,647	29,598	29,634	29,674	29,535	29,574	29,607
	S D	.312	.333	.296	.243	.179	.167	.165	.153	.191	.250	.300	.352	.256
	TOTAL OBS	224	207	242	244	250	252	259	279	267	280	270	271	3045
16	MEAN	29,632	29,523	29,586	29,541	29,579	29,635	29,628	29,582	29,614	29,656	29,517	29,585	29,591
	S D	.308	.327	.292	.238	.180	.166	.159	.150	.189	.245	.303	.349	.252
	TOTAL OBS	221	206	242	244	250	252	258	277	267	280	253	250	3000
19	MEAN			29,684	29,548	29,603	29,570	29,530	29,595	29,599	29,617	29,486	29,411	29,570
	S D			.293	.273	.167	.129	.119	.155	.211	.258	.370	.304	.239
	TOTAL OBS			31	48	31	30	48	62	62	62	30	27	431
22	MEAN				29,759			29,610		29,830			29,820	29,757
	S D				.109									.107
	TOTAL OBS				8			1		1			1	11
ALL HOURS	MEAN	29,639	29,544	29,613	29,568	29,607	29,654	29,645	29,603	29,636	29,669	29,532	29,573	29,608
	S D	.312	.333	.294	.243	.179	.166	.164	.155	.194	.256	.302	.348	.255
	TOTAL OBS	900	830	1036	1057	1051	1056	1112	1200	1152	1211	1104	1073	12784

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

34070 SAC KREUZ AFB GEOR Y AAF
 STATION STATION NAME

59-60,66-67
 YEARS

HRS. LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
C1	MEAN													
	S D													
	TOTAL OBS													
C4	MEAN													
	S D													
	TOTAL OBS													
C7	MEAN	1.18,9	1.17,2	1.17,2	1.19,0	1.17,6	1.19,8	1.16,7	1.15,9	1.17,5	1.12,0	1.13,5	1.10,9	7.1016,6
	S D	6.106	11.157	9.494	7.446	7.519	5.783	4.975	5.421	6.351	7.955	11.071	11.909	7.890
	TOTAL OBS	30	28	31	56	56	72	87	88	84	60	49	31	672
10	MEAN	1.19,5	1.18,4	1.17,9	1.19,0	1.17,4	1.19,4	1.16,7	1.16,1	1.17,8	1.12,6	1.16,9	1.10,4	1.1017,0
	S D	6.327	10.946	9.089	7.463	7.527	5.658	4.778	5.245	6.424	8.065	10.771	12.019	7.803
	TOTAL OBS	30	27	31	56	56	72	87	88	84	60	55	31	677
13	MEAN	1.18,9	1.17,6	1.17,5	1.17,7	1.15,9	1.18,9	1.16,1	1.15,3	1.16,7	1.12,0	1.16,1	1.10,9	1.1016,0
	S D	6.480	11.051	8.743	7.444	7.511	5.678	4.802	5.193	6.248	8.018	10.834	12.077	7.762
	TOTAL OBS	29	27	31	51	51	68	82	85	81	59	50	31	648
16	MEAN	1.18,7	1.17,1	1.16,6	1.16,9	1.14,9	1.16,8	1.15,4	1.14,7	1.15,9	1.11,4	1.15,4	1.10,9	1.1015,4
	S D	6.621	11.380	8.669	7.308	7.593	5.732	4.746	5.200	6.235	8.035	11.289	12.543	7.769
	TOTAL OBS	29	27	31	51	51	68	82	85	81	60	48	31	644
19	MEAN				1.021,9		1.013,4	1.012,3	1.013,4	1.016,8	1.008,9			1.013,7
	S D				3.121		5.442	3.922	5.481	5.478	7.901			6.497
	TOTAL OBS				14		16	31	31	31	31			154
22	MEAN				1.023,5							1.023,1		1.023,4
	S D				3.758									3.517
	TOTAL OBS				8							1		9
ALL HOURS	MEAN	1.19,0	1.17,6	1.17,3	1.18,5	1.17,6	1.19,8	1.16,7	1.15,9	1.17,5	1.12,0	1.13,5	1.10,9	1.1016,1
	S D	6.308	10.750	8.611	7.245	7.562	5.851	4.825	5.317	6.235	7.950	10.917	12.003	7.779
	TOTAL OBS	119	109	174	236	214	298	369	377	361	270	202	125	2601