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LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LSOCS)

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RAF KNEUZWACH RAF GERMANY (U) AIR FORCE ENVIRONMENTAL

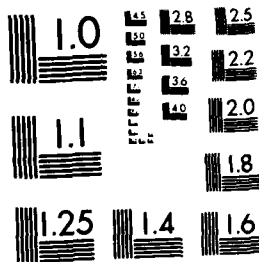
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL FEB 88

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OPERATING LOCATION - A
USAFETAC
Air Weather Service (MAC)



"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCs"

BAD KREUZNACH AAF GERMANY MSC #106265
N 49 51 W 007 53 ELEV 315 FT EDEH

PARTS A - F HOURS SUMMARIZED: 0600 - 1700

PERIOD OF RECORD:
HOURLY OBSERVATIONS: NOV 77 - OCT 87
SUMMARY OF DAY DATA: APR 65 - OCT 87

FEB 04 1988

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19 Abstract: A statistical data summary of surface weather observation climatology; Bad Kreuznach AAF, Germany. This summary is similar to the Revised Uniform Summary of Surface Weather Observations (RUSSWO), but is based on data collected from limited-duty weather observing stations; i.e., those that take weather observations less than 24 hours a day, 7 days a week. The summary is in five parts: PART 1, Weather Conditions and Atmospheric Phenomena; PART 2, Surface Winds; PART 3, Ceiling and Visibility; PART 4, Psychrometric Summaries; and PART 5, Pressure Summaries. Note that PART 2, Precipitation, is omitted. See USAFETAC/TN-83-001 (AD132186), An Aid For Using The Revised Uniform Summary of Surface Weather Observations (RUSSWO), for complete descriptions of contents and instructions for use.

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22c Office Symbol: USAFETAC/LDD.

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REVIEW AND APPROVAL STATEMENT

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This document has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in cursive script, appearing to read "Walter S. Burgmann", with a long horizontal flourish extending to the right.

WALTER S. BURGMANN
Scientific and Technical Information Program Manager

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY

STATION NAME: BAD KREUZNACH AAF GERMANY

STATION NUMBER: 106265

SUMMARIZED HOURS: 0600 - 1700 LST

PERIOD OF RECORD

HOURLY OBSERVATIONS: NOV 77 - OCT 87

SUMMARY OF DAY DATA (FULL TIME): NONE

SUMMARY OF DAY DATA (PART TIME): MAR 65 - OCT 87

TIME CONVERSION LST TO GMT: -1

DATE PRODUCED: 14 JAN 88

ALL USERS OF THIS LISOCs MUST FAMILIARIZE THEMSELVES WITH THE SITE'S DATA LIMITATIONS PRIOR TO USING OR DISTRIBUTING THESE SUMMARIES. A SPECIAL CAVEAT PAGE PROVIDES IMPORTANT INFORMATION FOR ALL USERS. THIS CAVEAT PAGE IS LOCATED IN FRONT OF THE SUPPLEMENTAL SECTION.

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ASHEVILLE NC 28801

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARIES--LISOCs

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUPPLEMENTAL DATA: DATA DERIVED FROM EARLIER PERIODS IF AVAILABLE, AND/OR FROM ONE OR MORE REPRESENTATIVE SITES AND COMBINED BY A METEOROLOGIST.

DESCRIPTION OF SUMMARIES: PRECEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

HOURLY SUMMARIES CONTAINING "TOTALS" AND "ALL HOURS" ARE ONLY FOR THOSE HOURS SUMMARIZED. IN COMPUTING THESE VALUES THE VALUES IN THE 3-HOUR TIME GROUPS WERE ADDED AND DIVIDED BY THE NUMBER OF GROUPS.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

NOTE: THE FIRST AND LAST HOUR GROUPS MAY OR MAY NOT CONTAIN ALL THREE HOURS. SEE HOURS SUMMARIZED ON COVER OR STATION HISTORY SHEET TO DETERMINE WHICH HOURS ARE INCLUDED IN THESE TWO HOUR GROUPS.

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
106265	BAD KREUZNACH GERMANY AAF	N 49 51	E 007 53	341.6	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)	BAROMETER	
1	Bad Kreuznach Germany	AAF	Nov 59	Dec 70	N 49 52	E 007 53	355	N/A	8 to 14
2	No Chge	AAF	Jan 71	Mar 83	N 49 51	E 007 53	345	348	10
3	No Chge	AAF	Apr 83	Dec 84	No Chge	No Chge	341.6	No Chge	No Chge
4	Bad Kreuznach Germany AAF	AAF	Jan 85	Oct 87	No Chge	No Chge	341.6	No Chge	10

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	

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
5	Mar 67to Feb 69	Located on control tower.	No Chge	None	50 Ft	
6	Mar 69to Dec 70	Located atop operations bldg.	No Chge	None	15 Ft	
7	Unkn	Location approximately 1969 Ft East of the tower.	GMQ11	None	15 Ft	
8	Unkn	Location in the tower	No Chge	RO 362	15 Ft	
9	Apr 83	Located approximately 1969 Ft East of the tower.	No Chge	Same	15 FT	

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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE
2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN

HOURS (LST)	TSTMS	RAIN 6/0R OR DRIZZLE	FRZING RAIN 6/0R OR DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		14.5	1.1	7.8		22.6	49.2	4.8			54.0	372
09-11		11.2	1.1	8.0		19.8	41.8	6.1			47.9	560
12-14		10.0	.9	6.0		16.5	25.2	16.1			41.3	552
15-17		9.8	.2	4.3		13.0	25.7	17.5			43.2	537
18-20												
21-23												
TOTALS		11.1	.8	6.5		18.0	35.5	11.1			46.6	2021

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB

HOURS (LST)	TSTMS	RAIN 6/0R OR DRIZZLE	FRZING RAIN 6/0R OR DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		9.6		7.4		18.2	66.2	6.6			72.8	364
09-11		8.3		11.2		18.8	45.1	20.1			65.2	543
12-14		7.0	.2	6.5		13.5	24.4	34.8			59.1	541
15-17		6.9		4.3		11.1	19.3	37.5			56.8	533
18-20												
21-23												
TOTALS		8.0	.1	7.4		14.9	38.8	24.8			63.5	1981

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR

HOURS (LST)	TSTMS	RAIN E/DR DRIZZLE	FRZING RAIN E/DR DRIZZLE	SNOW E/DR SLEET	HALE	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		14.1		3.2		17.0	49.0	10.0			59.0	412
09-11		13.1		2.1		14.9	25.3	23.9			49.2	612
12-14		10.1		1.6		11.4	11.3	28.1			39.3	613
15-17		15.2		.5	.2	15.7	6.5	28.6			35.1	587
18-20												
21-23												
TOTALS		13.1		1.9	.1	14.8	23.0	22.7			45.7	2224

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR

HOURS (LST)	TSTMS	RAIN E/DR DRIZZLE	FRZING RAIN E/DR DRIZZLE	SNOW E/DR SLEET	HALE	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		11.6		1.0		12.2	37.8	22.0			59.9	576
09-11		8.4		1.5		9.4	11.0	39.7			50.6	620
12-14	.3	9.3		1.5		9.5	1.5	30.9			32.4	601
15-17	.7	10.8		1.4		11.2	.2	20.6			20.9	436
18-20												
21-23												
TOTALS	.3	9.8		1.4		10.6	12.6	28.3			41.0	2233

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY

HOURS (LST)	TSTMS	RAIN E/DR ORIZZLE	FRZING RAIN E/DR ORIZZLE	SNOW E/DR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		13.9				13.9	28.2	22.2			50.4	568
09-11	.2	17.1				17.1	6.1	29.9			36.0	608
12-14	1.0	15.3				15.3	2.2	15.3			17.6	581
15-17	2.4	14.7				14.7	1.4	7.4			8.6	421
18-20												
21-23												
TOTALS	.9	15.3				15.3	9.5	18.7			28.2	2178

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN

HOURS (LST)	TSTMS	RAIN E/DR ORIZZLE	FRZING RAIN E/DR ORIZZLE	SNOW E/DR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08	.9	9.5				9.5	26.5	24.8			51.3	569
09-11	.2	7.7				7.7	4.4	29.3			33.7	611
12-14	1.0	9.3				9.3	1.4	14.3			15.6	589
15-17	1.9	5.2				6.2	.5	8.4			8.8	419
18-20												
21-23												
TOTALS	1.0	3.2				8.2	8.2	19.2			27.4	2168

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL

HOURLS (LST)	TSTMS	RAIN E/DR GRIZZLE	FRZING RAIN E/DR DRIZZLE	SNOW E/DR SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08	.6	7.9				7.9	32.9	26.2			59.1	504
09-11	.2	11.2				11.2	7.2	34.6			41.7	544
12-14		5.4				6.4	1.9	22.8			24.7	530
15-17	2.6	7.3				7.3	1.0	13.8			14.9	383
18-20												
21-23												
TOTALS	.9	9.2				8.2	10.8	24.4			35.1	1961

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG

HOURLS (LST)	TSTMS	RAIN E/DR GRIZZLE	FRZING RAIN E/DR DRIZZLE	SNOW E/DR SLEET	FAIL	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08	1.1	4.6				4.6	46.7	17.5			54.2	570
09-11		3.6				3.8	12.6	39.3		.2	52.0	611
12-14	.5	5.7				5.7	1.8	29.2			31.1	595
15-17	.7	5.6				6.6	1.9	16.5			18.4	425
18-20												
21-23												
TOTALS	.6	5.2				5.2	15.8	25.6		.1	41.4	2201

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		5.4				6.4	57.8	7.4			65.2	419
09-11		5.6				6.6	20.7	29.3			50.0	468
12-14	.4	8.7				8.7	4.1	28.9			33.0	461
15-17		9.1				9.1	2.4	21.8			24.2	331
18-20												
21-23												
TOTALS	.1	7.7				7.7	21.3	21.9			43.1	1679

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		10.2				10.2	66.8	3.3			70.1	394
09-11		10.9				10.9	49.2	13.3			62.4	596
12-14		9.4				9.4	20.6	29.1			49.7	587
15-17		9.5				9.5	13.4	26.3			39.8	558
18-20												
21-23												
TOTALS		10.0				10.0	37.5	18.0			55.5	2135

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		10.1		2.3		12.4	62.1	2.3			64.5	346
09-11		9.3		3.1		12.4	50.4	5.8			56.2	516
12-14		8.2		3.1		10.9	32.0	14.5			46.5	512
15-17		7.7		2.0		9.7	31.7	13.1			44.8	496
18-20												
21-23												
TOTALS		8.8		2.6		11.4	44.1	8.9			53.0	1870

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS	RAIN 6/0R DRIZZLE	FRZING RAIN 6/0R DRIZZLE	SNOW 6/0R SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE 6/0R HAZE	BLOWING SNOW	DUST 6/0R SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02												
03-05												
06-08		18.2		3.9		21.6	53.4	3.2			56.6	380
09-11		14.6	.3	5.2		19.8	44.7	5.8			50.4	591
12-14		14.9	.9	5.0		20.4	30.6	15.0			45.7	565
15-17		13.4		2.9		15.8	30.7	16.1			46.9	514
18-20												
21-23												
TOTALS		15.3	.3	4.3		19.4	39.9	10.0			49.9	2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL

FOURS (LST)	TSTMS	RAIN G/DR DRIZZLE	FRZING RAIN G/DR DRIZZLE	SNOW G/DR SLEET	HALE	% OBS WITH PRECIP	FOG	SMOKE G/DR HAZE	BLOWING SNOW	DUST G/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN ALL		11.1	.8	6.5		18.0	35.5	11.1			46.6	2021
FEB		9.0	.1	7.4		14.9	38.8	24.8			63.5	1981
MAR		13.1		1.9	.1	14.8	23.0	22.7			45.7	2224
APR		.3	9.8	1.4		10.6	12.6	28.3			41.0	2233
MAY		.9	15.3			15.3	9.5	18.7			28.2	2178
JUN		1.0	9.2			8.2	8.2	19.2			27.4	2188
JUL		.9	8.2			8.2	10.8	24.4			35.1	1961
AUG		.6	5.2			5.2	15.8	25.6		.1	41.4	2201
SEP		.1	7.7			7.7	21.3	21.9			43.1	1679
OCT			13.0			10.0	37.5	18.0			55.5	2135
NOV			9.6		2.6	11.4	44.1	8.9			53.0	1870
DEC			15.3	.3	4.3	19.4	39.9	10.0			49.9	2050
TOTALS		.3	10.1	.1	2.0	.0	12.0	24.8	19.5	.0	44.2	24721

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SEE SUPPLEMENTAL SECTION (SUMMARY OF DAY DATA) FOR THESE SUMMARIES.

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BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITY IS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.3										2.2	4.1
NNE	1.9	1.6										3.5	3.4
NE	.5	1.1										1.6	3.8
ENE	1.6	1.1	1.1	.3	.3							4.3	5.7
E	1.3	.3	.3	.3								2.2	4.5
ESE	.3	.3										.5	4.0
SE													
SSE	.8	.3										1.1	2.5
S	1.1	.5	.3									1.9	3.9
SSW	2.2	.8		.3								3.2	3.6
SW	.5	3.2	3.5	1.1								8.3	7.3
WSW	1.1	2.7	3.5	4.8		.3						12.4	9.2
W	3.2	2.2	4.3	1.6	.5							11.8	7.1
WNW	.3	.5	.3	.5								1.6	6.8
NW	.5	.5										1.1	4.5
NNW		.3	.3	.5								1.1	9.8
VARIABLE			1.6	3.8	.5	.3						6.2	13.1
CALM	////////////////////////////////////											37.1	////
TOTALS	16.1	16.7	15.1	13.2	1.3	.5						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 372

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(1ST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33			
N	1.2	1.8							3.0	3.6
NNE	.9	.4							1.2	3.0
NE	1.8	.5	.7	.2					3.2	4.4
ENE	1.8	1.1	.7	1.2					4.8	6.1
E	1.6	1.2	.5	.2					3.6	4.6
ESE	.7	.4	.4						1.4	4.1
SE	.5		.5						1.1	5.2
SSE		.2							.2	4.0
S	.7	.2							.9	3.0
SSW	.9	.4		.2					1.4	4.6
SW	.9	2.3	2.0	.9					6.1	7.3
WSW	2.0	3.9	4.5	4.5	.7	.2			15.7	9.1
W	1.2	2.1	4.5	2.3	.7				10.9	8.7
WNW	.9	1.1							2.0	3.6
NW	.5	.2							.7	3.0
NNW		.2	.5						.7	7.8
VARIABLE		.2	3.9	6.4	1.1				11.6	12.0
CALM	////////////////////////////////////								31.4	////
TOTALS	15.7	16.1	18.2	15.9	2.5	.2			100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.4	1.6	.2					2.2	4.6
NNE	1.1	.9						2.0	3.0
NE	1.3	.4	.7	.7				3.1	6.9
ENE	.9	1.4	2.4	.9				5.6	7.0
E	2.2	1.1	.5	.9				4.7	5.3
ESE	1.4	.5	.5					2.5	4.0
SE	.5	.4						.9	3.2
SSE		.2						.2	4.0
S	.2	.5	.2					.9	4.8
SSW	.2	1.1						1.3	4.7
SW	.5	3.4	2.9	.4				7.2	6.6
WSW	2.0	3.3	4.7	4.3	.2			14.5	8.6
W	.5	2.2	4.5	3.4				10.7	9.0
WNW	.2	1.3	.7	.4				2.5	6.9
NW	.2	.4	.4					.9	6.0
NNW	.2	.7	.4					1.3	5.1
VARIABLE			5.3	7.8	2.0	.4		15.4	12.7
CALM	////////////////////////////////////							24.1	////
TOTALS	11.8	19.4	23.4	18.8	2.2	.4		100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 552

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	1.5									2.2	4.1
NNE	1.1	.7	.2								2.0	4.1
NE	1.1	1.1	.7	.2							3.2	4.9
ENE	1.9	1.7	1.3	.6							5.4	5.6
E	3.4	2.0	1.3	.4							7.1	4.7
ESE	1.1	.6									1.7	3.0
SE	1.3		.2								1.5	2.4
SSE	1.1										1.1	2.0
S	.6	.7	.6								1.9	5.3
SSW	.9	1.1	.2								2.2	3.7
SW	1.1	2.8	2.2	.2							6.3	6.1
WSW	.7	3.0	4.7	4.1	.2	.4					13.0	9.3
W	2.2	3.9	5.0	2.6	.4						14.2	7.8
WNW	.6	1.1	.6	.7	.2						3.2	7.9
NW	.2	.7									.9	4.8
NNW	.4	.4	.2	.2							1.1	6.2
VARIABLE			5.2	5.6	.9	.4					12.1	11.8
CALM	////////////////////////////////////										23.9	////
TOTALS	18.4	21.4	22.3	14.5	1.7	.7					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 537

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.6	.0								2.4	4.1
NNE	1.2	.8	.0								2.1	3.4
NE	1.2	.7	.6	.3							2.9	5.2
ENE	1.5	1.3	1.4	.8	.0						5.1	6.2
E	2.2	1.2	.7	.4							4.6	4.8
ESE	.9	.4	.2								1.6	3.8
SE	.6	.1	.2								.9	3.5
SSE	.4	.1									.6	2.0
S	.6	.5	.2								1.3	4.4
SSW	.9	.8	.0	.1							1.9	4.0
SW	.8	2.9	2.6	.6							6.9	6.8
WSW	1.5	3.3	4.4	4.4	.3	.2					14.1	9.0
W	1.7	2.6	4.6	2.6	.4						11.9	8.2
WNW	.5	1.0	.4	.4	.0						2.4	6.5
NW	.3	.4	.1								.9	4.7
NNW	.1	.4	.3	.1							1.0	6.9
VARIABLE		.0	4.2	6.1	1.2	.2					11.8	12.3
CALM	////////////////////////////////////										27.7	////
TOTALS	15.4	18.5	20.1	15.8	2.0	.4					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 2021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNAACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS (LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.4									1.6	4.2
NNE	1.9	.3	.3								2.5	2.9
NE	1.9	2.2	1.6								5.8	5.0
ENE	1.6	1.6	3.3	1.1							7.7	6.8
E	2.5	1.6	.8								4.9	3.8
ESE	1.4	.8									2.2	2.9
SE	.5										.5	1.5
SSE												
S	.3										.3	1.0
SSW	.3	.5	.3								1.1	4.8
SW	.8	1.6	.3	.5							3.3	6.1
WSW	1.1	1.4	1.9	.8							5.2	6.6
W	1.9	1.9	1.1	.3							5.2	5.1
WNW		.3	.5								.8	8.0
NW	.5		.3								.8	5.0
NNW	.3										.3	3.0
VARIABLE			1.9	1.4	.5						3.8	11.6
CALM	////////////////////////////////////										53.8	////
TOTALS	15.4	13.7	12.4	4.1	.5						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 364

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	.6	.6								1.5	5.0
NNE	2.6	1.1	.2								3.9	3.0
NE	1.3	1.3	.7	.6							3.9	5.6
ENE	2.6	3.1	2.6	1.7							9.9	6.4
E	2.9	1.8	2.4	.9							8.1	5.8
ESE	2.0	.6									2.6	2.9
SE	.6										.6	2.0
SSE												
S												
SSW	.4	.6	.2								1.1	4.8
SW	.7	.9	1.3	.2							3.1	6.1
WSW	1.1	2.6	2.4	.6							6.6	6.7
W	1.7	2.0	2.0	.9							6.6	6.4
WNW		.9	.4	.2							1.5	6.3
NW	.2		.2	.4							.7	9.0
NNW	.4		.4								.7	5.8
VARIABLE			3.1	2.8	1.3	.2	.2				7.6	12.5
CALM	////////////////////////////////////										41.6	////
TOTALS	16.5	15.5	16.4	8.1	1.3	.2	.2				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 543

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.3	.2								2.4	4.2
NNE	3.0	1.7	.7								5.4	3.7
NE	1.5	2.6	.7	1.3							6.1	6.1
ENE	2.8	3.7	5.0	1.3							12.8	6.4
E	3.7	4.8	3.1	2.0							13.7	6.1
ESE	1.7	1.5	.2								3.3	3.6
SE	1.1	.6									1.7	3.4
SSE	.4										.4	2.0
S	.2	.2									.4	4.0
SSW		.2									.2	4.0
SW		1.1	.7	.2							2.0	7.0
WSW	.7	2.2	3.5	.9		.2					7.6	7.9
W	.6	1.3	2.2	1.3							5.4	7.9
WNW	.6	.6	.7	.4							2.2	6.9
NW	.6	.2	.6	.4							1.7	7.2
NNW		.2	.2	.2							.6	7.7
VARIABLE			5.0	4.3	.7	.2	.2				10.4	11.8
CALM	////////////////////										24.0	////
TOTALS	17.6	22.0	22.9	10.2	.7	.4	.2				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 541

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.1	.8	.4									3.2	3.6
NNE	1.5	1.3	.9									3.8	4.4
NE	2.6	3.8	2.3	.8								9.4	5.5
ENE	2.4	4.1	3.4	1.5								11.4	6.1
E	5.4	3.6	2.4	1.3								12.8	5.1
ESE	1.9	1.9										3.8	3.3
SE	.8	.9	.4									2.1	4.5
SSE	.4	.4										.8	3.0
S	.2											.2	2.0
SSW	.6	.6										1.1	3.5
SW	.4	2.3	.6	.2								3.4	5.5
WSW	.8	2.3	1.5	1.5								6.0	7.4
W	1.5	.9	1.5	1.3								5.1	7.1
WNW	.2	.8	.4	.4								1.7	7.2
NW	.4	.9	.4	.2								1.9	6.2
NNW	.6	.4										.9	3.2
VARIABLE			5.1	3.4	.4							8.8	11.0
CALM	////////////////////											23.8	////
TOTALS	21.6	24.6	19.1	10.5	.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 533

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.0	.2								2.2	3.8
NNE		1.0	.5								1.5	5.3
NE	1.9	.2	.5								2.7	3.3
ENE	1.0	.2	.7								1.9	5.4
E	.7			.2							1.0	5.3
ESE	.5	.2									.7	2.3
SE	.2	.5									.7	4.0
SSE	.5										.5	2.0
S	.7										.7	1.3
SSW	1.5	1.5									2.9	3.3
SW	1.5	3.2	2.2	1.2		.5					8.5	7.4
WSW	4.1	4.1	4.6	1.5							14.3	6.1
W	2.9	3.2	3.2	1.0							10.2	6.0
WNW	1.2	.5									1.7	3.1
NW	.2	.2									.5	3.5
NNW		.5									.5	5.0
VARIABLE			2.9	1.9							4.9	10.3
CALM	////////////////////										44.7	////
TOTALS	18.0	16.3	14.8	5.8		.5					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 412

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	1.1	.2								2.8	3.8
NNE	1.8	.7		.2							2.6	3.4
NE	1.1	1.1	.7	.7							3.6	6.0
ENE	1.6	1.5	1.8	.7	.2						5.7	6.6
E	2.3	4.4	.7	.2							7.5	4.4
ESE	1.1	1.1	.3								2.6	4.1
SE	.3	.2		.2							.7	5.8
SSE	.3	.2									.5	3.0
S	.2	.5									.7	4.3
SSW	.2	.3	.8	.5	.2						2.0	9.3
SW	.5	1.3	4.2	2.4	.2	.2					8.8	9.7
WSW	.7	3.4	3.4	4.7	.5						12.7	9.6
W	1.5	2.8	3.3	2.3	.2						10.0	7.8
WNW	.8	.8	1.5	.3							3.4	6.3
NW	.5	.5	.3	.2							1.5	5.8
NNW	.5	.8	.5	.2							2.0	5.5
VARIABLE			11.9	8.0	1.0						20.9	10.9
CALM	////////////////////										12.2	////
TOTALS	14.8	20.7	29.5	20.4	2.1	.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 613

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5	.9	.2									1.5	3.7
NNE	2.4	.2	.5									3.1	3.7
NE	1.2	.9	1.4	.3								3.7	6.1
ENE	1.4	2.6	1.4	.5								5.8	6.3
E	4.1	3.9	1.7									9.7	4.5
ESE	2.0	.9										2.9	3.1
SE	.3	.3	.5									1.2	5.4
SSE	.2		.2									.3	5.5
S	.3	.2	.2									.7	3.8
SSW	.2	1.5	1.2	.3								3.2	7.2
SW	.3	2.9	4.8	1.9	.3							10.2	8.5
WSW	1.2	2.2	3.4	3.1		.2						10.1	8.8
W	.9	3.4	2.7	1.7								8.7	7.2
WNW	.9	2.9	.9									4.6	5.0
NW	.7	1.4	.5									2.6	4.9
NNW	.3	.9	.2									1.4	5.3
VARIABLE			12.8	7.2	.3							20.3	10.3
CALM	////////////////////											10.1	////
TOTALS	16.9	24.9	32.4	15.0	.7	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	1.0	.2								2.2	3.8
NNE	1.5	.6	.3	.0							2.4	3.8
NE	1.4	1.0	.7	.3							3.4	5.2
ENE	1.6	1.5	1.6	.5	.0						5.2	6.2
E	2.4	2.5	.8	.1							5.8	4.4
ESE	1.1	.6	.1								1.8	3.4
SE	.4	.3	.1	.0							.9	4.5
SSE	.3	.0	.0								.4	2.9
S	.3	.2	.1								.5	3.8
SSW	.4	.9	.8	.2	.0						2.4	6.7
SW	.7	2.5	4.0	1.5	.2	.3					9.2	8.5
WSW	1.8	3.5	4.3	3.0	.3	.1					13.0	8.2
W	1.8	2.9	3.0	1.6	.0						9.4	6.9
WNW	.8	1.3	.8	.2	.0						3.1	5.7
NW	.5	.6	.4	.0							1.5	5.0
NNW	.4	.7	.2	.0							1.4	5.0
VARIABLE			9.0	6.1	.5						15.6	10.7
CALM	////////////////////////////////////										21.8	////
TOTALS	16.3	20.3	26.4	13.7	1.2	.4					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 2224

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	1.9	.2									3.6	3.9
NNE	1.0	1.4										2.4	3.4
NE	1.6	1.2	.7	.2								3.6	4.6
ENE	.9	.2	.3									1.4	3.9
E	.7											.7	2.0
ESE	.2											.2	3.0
SE	.3	.3										.7	3.3
SSE	.5											.5	1.3
S	.3											.3	2.5
SSW	1.7	.7	.2									1.9	3.3
SW	2.1	1.0	.9									4.0	3.9
WSW	4.7	2.8	1.6	.9								9.9	5.0
W	5.9	3.1	2.8	.7								12.5	4.7
WNW	1.0	.9										1.9	3.5
NW	.9	1.0										1.9	3.8
NNW	.9	1.0	.2									2.1	4.3
VARIABLE			2.6	.9								3.5	9.5
CALM	////////////////////////////////////											48.8	////
TOTALS	23.6	15.6	9.4	2.6								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.7	1.6								6.6	4.8
NNE	3.9	2.1	.2								6.1	2.9
NE	1.9	1.6	.6	.3	.3						4.8	5.6
ENE	3.5	2.6	1.3	.5	.2						8.1	4.9
E	2.9	2.7	1.0	.2							6.8	4.3
ESE	.3	.3									.6	3.5
SE	.3	.2									.5	3.0
SSE	.2	.2									.3	3.5
S	.3	.3	.2								.8	4.8
SSW	.5	.6	.3								1.5	4.8
SW	1.0	1.8	1.0								3.7	5.3
WSW	.6	3.5	1.1	1.1							6.5	6.8
W	1.9	3.1	2.9	2.4							10.3	7.4
WNW	.6	1.1	.3	.3							2.4	5.7
NW	.2	1.3	.6	.2							2.3	6.0
NNW	.8	1.5		.2							2.4	4.4
VARIABLE			9.2	4.2	.2						13.5	9.6
CALM	////////////////////										22.7	////
TOTALS	21.3	25.6	20.3	9.4	.6						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 620

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	3.8	1.0								6.5	4.9
NNE	1.8	1.3	.7								3.8	3.8
NE	1.7	2.2	1.3	.7	.3						6.2	6.5
ENE	4.3	2.6	.7	.5							8.0	4.0
E	4.7	6.0	.8								11.5	4.0
ESE	2.7	1.7	.2								4.6	3.2
SE	1.0	.7									1.7	3.8
SSE	.8	.5	.2								1.5	3.6
S	.5	.7									1.2	3.6
SSW		.8	.8	.2							1.8	7.0
SW	.5	2.0	1.7	.2							4.3	6.0
WSW	.3	2.2	2.3	1.0							5.8	7.9
W	.8	1.7	2.3	2.0	.2						7.0	8.4
WNW	.7	2.5	1.3		.2						4.7	6.0
NW	.5	1.5	.8	.3							3.2	6.5
NNW	.8	1.7	1.2								3.7	5.4
VARIABLE		.2	12.1	6.3	.3						19.0	9.8
CALM	////////////////////										5.8	////
TOTALS	22.8	31.8	27.5	11.1	1.0						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 601

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	4.1	2.3	.7							8.9	5.9
NNE	.7	2.3									3.0	4.1
NE	3.2	2.3	.5	1.4	.7						8.0	6.3
ENE	2.5	2.1	.5	.2							5.3	4.1
E	3.0	5.3	1.1								9.4	4.7
ESE	2.5	2.5	.2								5.3	3.7
SE		.9									.9	4.8
SSE		.2	.2								.5	6.0
S	1.1	.5	.2								1.8	3.4
SSW	.9	1.1	1.1								3.2	5.1
SW	.9	2.5	2.5	.2							6.2	6.1
WSW	1.1	1.8	1.6	1.1							5.7	7.3
W	.9	2.1	2.8	.7							6.4	6.8
WNW	1.1	1.6	1.6	.2							4.6	6.0
NW	1.1	2.1	1.1	.2							4.6	5.6
NNW	.7	2.1	1.1	.2							4.1	6.2
VARIABLE			12.2	4.4							16.5	9.5
CALM	////////////////////////////////////										5.5	////
TOTALS	21.8	33.5	29.1	9.4	.7						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 1C6265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	3.1	1.2	.1							6.3	5.0
NNE	2.0	1.7	.2								3.9	3.4
NE	2.0	1.8	.8	.6	.3						5.5	5.9
ENE	2.9	1.8	.7	.3	.0						5.8	4.4
E	2.8	3.4	.7	.0							7.0	4.2
ESE	1.3	1.0	.1								2.5	3.4
SE	.4	.5									.9	3.8
SSE	.4	.2	.1								.7	3.4
S	.5	.4	.1								1.0	3.7
SSW	.6	.9	.6	.0							2.0	5.1
SW	1.1	1.8	1.4	.1							4.4	5.4
WSW	1.7	2.6	1.7	1.0							7.0	6.5
W	2.5	2.5	2.7	1.5	.0						9.2	6.6
WNW	.9	1.5	.8	.1	.0						3.3	5.5
NW	.6	1.4	.6	.2							2.9	5.6
NNW	.8	1.5	.6	.1							3.0	5.2
VARIABLE		.0	8.9	3.9	.1						13.0	9.7
CALM	////////////////////										21.5	////
TOTALS	22.4	26.2	21.1	6.1	.6						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 2233

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	1.9		.2								4.4	3.8
NNE	1.8	1.2										3.0	3.0
NE	.4	.7										1.1	3.3
ENE	1.9	1.6	.7									4.2	4.4
E	1.2	.4	.9									2.5	4.7
ESE	.7											.7	1.0
SE	.5											.5	1.3
SSE	.2											.2	3.0
S	.7	.2										.9	2.8
SSW	.9	.9										1.8	3.5
SW	1.8	3.0	1.2	.2								6.2	5.0
WSW	4.2	3.0	2.8	.7								10.7	5.5
W	6.5	4.2	1.2									12.0	3.6
WNW	1.4	1.2	.2									2.8	3.6
NW	.4	.5	.2									1.1	4.0
NNW	.5	.7		.2								1.4	5.0
VARIABLE			1.8	.7	.2							2.6	10.2
CALM	////////////////////////////////////											44.0	////
TOTALS	25.4	19.5	9.0	1.9	.2							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREIZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	3.1	.5	.2							5.6	4.5
NNE	3.1	1.3	.2								4.6	3.1
NE	1.6	1.0	.3	.2							3.1	4.1
ENE	3.1	2.5	1.2	.3							7.1	4.6
E	4.6	3.1	1.0	.2							8.9	3.9
ESE	1.8	.7	.2								2.6	2.9
SE	.2		.2								.3	4.0
SSE	.2	.3									.5	3.7
S	.5	.5									1.0	3.7
SSW	.5	1.3	.3								2.1	4.8
SW	2.1	2.8	.7								5.6	4.3
WSW	.7	3.8	3.3	.5	.2						8.4	6.9
W	2.1	4.1	3.3	.8							10.4	6.1
WNW	1.8	.8	.5	.2							3.3	4.4
NW	.7	1.0	.3								2.0	4.6
NNW	.5	.8	.5								1.8	5.0
VARIABLE			7.7	3.0	.2						10.9	9.7
CALM	////////////////////////////////////										21.9	////
TOTALS	25.3	27.1	20.1	5.3	.3						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 638

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LOCAL): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.4	2.4	.2									5.0	3.7
NNE	2.2	2.6										4.8	3.9
NE	2.4	1.0	.9									4.3	4.0
ENE	2.6	2.4	1.2	.9								7.1	5.4
E	5.9	3.4	1.0	.3								10.7	4.1
ESE	2.2	2.2	.7									5.2	4.0
SE	1.4	1.0	.2									2.6	4.2
SSE	.2	.2										.3	2.5
S	.5	.5	.2	.2								1.4	5.5
SSW	1.0	1.4	.5									2.9	4.7
SW	1.0	1.5	.9	.5	.2							4.1	6.7
WSW	2.1	3.8	2.9	.3								9.1	5.9
W	1.7	2.6	2.1	.5								6.9	6.1
WNW	.9	1.2	.5	.5								3.1	6.0
NW	.5	1.2	.7	.2								2.6	5.7
NNW	1.0	1.2	.3	.2								2.8	4.6
VARIABLE			14.3	3.6								17.9	9.3
CALM	////////////////////////////////////											9.3	////
TOTALS	28.1	28.7	26.5	7.2	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 581

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	3.3	.7								4.8	4.9
NNE	2.6	1.2									3.8	3.2
NE	1.7	1.7	.5								3.8	4.1
ENE	1.2	2.1	1.4	.2							5.0	5.8
E	4.0	5.5	1.4	.2							11.2	4.4
ESE	3.1	2.9	.5								6.4	3.9
SE	1.0	1.4									2.4	3.8
SSE	1.4	.2									1.7	2.0
S	.5	1.7	.2								2.4	4.4
SSW	.5	2.1	.5	.5							3.6	6.2
SW	.7	2.4	1.9	1.0							5.9	7.1
WSW	.7	3.8	2.9	1.2							8.6	7.3
W	2.9	2.9	4.0	1.9							11.6	7.0
WNW	1.0	1.7		.2							2.9	4.7
NW	.5	.7	1.2	.2							2.6	6.4
NNW	1.0	.2	1.0								2.1	5.2
VARIABLE		.7	10.0	5.0							15.7	9.7
CALM	////////////////////										5.7	////
TOTALS	23.3	34.4	26.1	10.5							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 421

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	2.7	.3	.1							5.0	4.2
NNE	2.4	1.6	.0								4.1	3.3
NE	1.5	1.1	.4	.0							3.0	4.0
ENE	2.3	2.2	1.1	.4							5.9	5.0
E	3.9	2.9	1.1	.2							8.1	4.2
ESE	1.9	1.3	.3								3.5	3.6
SE	.7	.6	.1								1.4	3.8
SSE	.4	.2									.6	2.5
S	.6	.6	.1	.0							1.3	4.3
SSW	.7	1.4	.3	.1							2.5	4.9
SW	1.5	2.4	1.1	.4	.0						5.4	5.6
WSW	2.0	3.6	3.0	.6	.0						9.2	6.3
W	3.3	3.5	2.6	.7							10.1	5.5
WNW	1.3	1.2	.3	.2							3.0	4.7
NW	.5	.9	.6	.1							2.0	5.3
NNW	.7	.8	.4	.1							2.0	4.9
VARIABLE		.1	8.4	2.9	.1						11.5	9.5
CALM	////////////////////////////////////										21.2	////
TOTALS	25.7	27.0	20.1	5.9	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 2178

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	.7	.2								2.6	3.0
NNE	1.1										1.1	2.0
NE	1.1										1.1	1.5
ENE	1.6	.7									2.3	2.2
E	1.4	.4									1.8	1.9
ESE												
SE	.2										.2	3.0
SSE	.2										.2	3.0
S	.2										.2	2.0
SSW	.5	.5	.2								1.2	3.4
SW	3.5	1.0	.4								5.6	3.3
WSW	4.4	5.4	3.2	.4	.2						13.5	5.3
W	7.4	6.7	1.9	.9							16.9	4.4
WNW	1.9	.7	.2								2.8	2.9
NW	.7	.7	.2								1.6	3.6
NNW	.7	.7									1.4	3.8
VARIABLE			3.2	.7	.2						4.0	9.3
CALM	////////////////////////////////////										43.6	////
TOTALS	26.5	18.3	9.3	1.9	.4						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.1									3.4	3.9
NNE	1.8	2.0	.2								3.9	3.7
NE	1.3	2.6									3.9	3.7
ENE	2.1	2.6									4.7	3.6
E	3.6	2.5	.2								6.2	3.0
ESE	2.1	.3									2.5	2.0
SE	.3										.3	1.0
SSE	.3										.3	2.0
S	.8	.5									1.3	3.4
SSW	1.0	1.1	.5								2.6	4.3
SW	2.0	4.4	1.6	.3							8.3	5.4
WSW	1.8	5.4	3.4	1.1							12.8	6.1
W	2.5	5.9	3.6	1.6	.2						13.7	6.5
WNW	1.0	1.0	.8								2.8	5.1
NW	.8	.3	.3								1.5	3.8
NNW	.5	1.1									1.6	4.5
VARIABLE			8.5	2.5	.2						11.1	9.5
CALM	////////////////////										18.8	////
TOTALS	23.2	32.9	19.1	5.6	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.8	1.5	.2									2.5	4.1
NNE	1.4	1.2	.3									2.9	3.8
NE	1.2	1.4										2.5	3.4
ENE	2.4	2.7										5.1	3.5
E	3.4	4.4	.5									8.3	3.8
ESE	1.2	1.2										2.4	3.4
SE	.5	.7										1.2	3.7
SSE	1.2	.7										1.9	2.9
S	.8	.5										1.4	3.3
SSW	.7	1.5	.5									2.7	4.8
SW	.7	4.4	3.2	1.0								9.3	6.7
WSW	1.5	4.9	3.1	1.2								10.7	6.4
W	2.2	4.9	5.8	1.7	.2							14.8	7.2
WNW	2.0	2.9	.3									5.3	4.1
NW	.3	1.5	.7									2.5	5.7
NNW	1.2	1.2	.2									2.5	3.9
VARIABLE		.2	12.6	4.8	.3							17.8	9.7
CALM	////////////////////											6.1	////
TOTALS	21.6	35.8	27.3	8.7	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.1	2.9	.2								6.2	3.7
NNE	2.1	.7									2.9	3.0
NE	1.7	.7	.2								2.6	3.5
ENE	1.9	1.7	.2								3.8	3.8
E	3.8	4.8									8.6	3.7
ESE	1.4	1.2									2.6	3.3
SE	.7	.5									1.2	3.2
SSE	1.0	1.0									1.9	3.0
S	1.0	.7									1.7	3.1
SSW	.7	1.4	.5	.5							3.1	5.7
SW	1.0	4.3	3.1								8.4	5.8
WSW	2.1	7.2	4.3	.5							14.1	6.4
W	2.4	4.3	3.8	1.2							11.7	6.6
WNW	.5	3.1	1.2	.2							5.0	6.0
NW	.2	1.0	.7								1.9	6.1
NNW	1.2	1.4	.2								2.9	4.3
VARIABLE			10.0	5.3							15.3	9.9
CALM	////////////////////////////////////										6.2	////
TOTALS	24.8	36.8	24.6	7.6							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	1.7	.1									3.5	3.7
NNE	1.0	1.0	.1									2.7	3.4
NE	1.3	1.2	.0									2.6	3.3
ENE	2.0	2.0	.0									4.0	3.4
E	3.0	2.9	.2									6.1	3.4
ESE	1.2	.0										1.8	2.9
SE	.4	.3										.7	3.1
SSE	.6	.4										1.0	2.9
S	.7	.4										1.1	3.2
SSW	.7	1.1	.4	.1								2.4	4.7
SW	1.8	3.7	2.0	.4								7.9	5.5
WSW	2.5	5.9	3.4	.8	.0							12.7	6.0
W	3.7	5.5	3.8	1.4	.1							14.4	6.1
WNW	1.4	1.8	.6	.0								3.9	4.6
NW	.5	.9	.5									1.9	4.9
NNW	.9	1.1	.1									2.1	4.1
VARIABLE		.0	8.5	3.2	.2							11.9	9.7
CALM	////////////////////											19.4	////
TOTALS	23.9	30.6	19.8	5.9	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 2198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	1.4	.2								4.2	3.4
NNE	1.0	.2									1.2	1.8
NE	.6	.4									1.0	2.6
ENE	1.2	.6									1.8	2.6
E	.8	.2									1.0	2.2
ESE	.4										.4	2.5
SE	.2										.2	1.0
SSE	.4										.4	2.0
S	1.0										1.0	1.8
SSW	1.2										1.2	2.0
SW	4.2	1.6	1.0								6.7	3.7
WSW	5.6	4.6	2.6	.4							13.1	4.3
W	7.9	3.2	1.6								12.7	3.3
WNW	2.2	.4	.4								3.0	2.7
NW	.4	.6									1.0	3.6
NNW	1.0	.6	.4								2.0	3.9
VARIABLE			1.2								1.2	7.7
CALM	////////////////////////////////////										48.0	////
TOTALS	30.6	13.7	7.3	.4							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	2.6	.2									5.3	3.6
NNE	3.3	1.8	.2									5.3	3.0
NE	3.7	1.3										5.0	2.7
ENE	5.0	1.3										6.2	2.4
E	5.5	3.9										9.4	3.2
ESE	.9	.4										1.3	2.9
SE	.4											.4	2.5
SSE													
S	.4											.4	1.5
SSW	1.8	.6	.2									2.6	2.6
SW	2.6	2.9	2.2									7.7	4.9
WSW	2.8	5.7	1.8	.2								10.5	5.2
W	3.5	5.3	2.2	.4			.2					11.6	5.4
WNW	1.7	1.8	.2									3.7	3.9
NW	.4	1.1	.4									1.8	4.8
NNW	2.2	.9	.2									3.3	3.2
VARIABLE		.2	6.8	1.7								8.6	8.9
CALM	////////////////////											16.9	////
TOTALS	36.6	29.8	14.3	2.2			.2					100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 544

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	3.2	.4								5.7	4.2
NNE	1.5	1.7	.4								3.6	3.9
NE	2.3	1.9									4.2	3.6
ENE	3.6	2.6									6.2	3.5
E	4.2	4.3									8.5	3.5
ESE	1.9	1.7									3.6	3.4
SE	.9	.9									1.9	3.7
SSE	.9	.2									1.1	2.5
S	1.1	.9									2.1	3.5
SSW	.9	1.3	.2								2.5	4.2
SW	.8	2.8	1.7	.2							5.5	5.8
WSW	1.7	6.2	2.5	.9							11.3	6.0
W	2.5	3.0	4.7	.8							10.9	6.6
WNW	2.3	2.1	1.1	.2							5.7	4.7
NW	.6	2.3	.2								3.0	4.6
NNW	2.1	2.3									4.3	3.8
VARIABLE		.2	10.9	4.0	.2						15.3	9.8
CALM	////////////////////////////////////										4.7	////
TOTALS	29.2	37.7	22.1	6.0	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 530

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD FREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.9	5.5	.5									8.9	4.3
NNE	2.6	1.6	.3									4.4	3.8
NE	1.8	.5										2.3	3.0
ENE	1.6	3.1										4.7	3.9
E	3.7	3.4	.3									7.3	3.7
ESE	1.8	1.0										2.9	3.4
SF	1.0											1.0	2.0
SSE	.8	.3										1.0	3.0
S	1.8	.5										2.3	3.0
SSW	.8	1.8	.3									2.9	4.8
SW		1.3	1.6	.8								3.7	7.8
WSW	1.6	3.9	3.4	1.0								9.9	6.8
W	2.1	4.4	6.0	1.0								13.6	6.9
WNW	2.3	2.1	1.6									6.0	4.7
NW	1.8	2.9		.3								5.0	4.4
NNW	.5	2.1										2.6	4.4
VARIABLE			11.2	3.4								14.6	9.2
CALM	////////////////////											6.8	////
TOTALS	27.2	34.5	25.1	6.5								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 393

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	2.5	3.0	.3					5.8	3.9
NNE	2.1	1.3	.2					3.6	3.4
NE	2.1	1.1						3.2	3.0
ENE	3.0	1.8						4.8	3.1
E	3.6	3.0	.1					6.6	3.4
ESE	1.2	.8						2.0	3.3
SE	.6	.3						.9	3.0
SSE	.5	.1						.6	2.6
S	1.0	.4						1.4	2.9
SSW	1.2	.9	.2					2.2	3.5
SW	2.0	2.2	1.6	.2				6.1	5.1
WSW	3.0	5.2	2.5	.6				11.3	5.4
W	4.1	4.0	3.5	.5	.1			12.1	5.5
WNW	2.1	1.6	.8	.1				4.5	4.2
NW	.7	1.6	.2	.1				2.5	4.5
NNW	1.5	1.4	.2					3.1	3.7
VARIABLE		.1	7.3	2.2	.1			9.7	9.3
CALM	////////////////////////////////////							19.6	////
TOTALS	31.2	28.7	16.7	3.6	.1	.1		100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 1961

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	.2									1.2	2.1
NNE	.5										.5	2.0
NE	.7	.2									.9	1.9
ENE	.5										.5	1.0
E	.4										.4	1.5
ESE	.2										.2	1.0
SE			.2								.2	7.0
SSE												
S	.4										.4	1.3
SSW	.5	.5									1.1	3.2
SW	1.9	1.6	1.4	.4							5.3	5.4
WSW	7.0	5.8	1.8								14.6	3.9
W	9.1	3.9	1.6	.2							14.7	3.4
WNW	1.1	.5									1.6	3.2
NW	.4	.2	.2								.7	4.0
NNW	.9	.2									1.1	2.8
VARIABLE			1.4	.4							1.8	8.7
CALM	////////////////////////////////////										55.1	////
TOTALS	24.6	13.0	6.5	.9							100.0	1.7

TOTAL NUMBER OF OBSERVATIONS: 570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	1.8	.2								3.9	3.5
NNE	2.5	1.6	.2								4.3	3.2
NE	3.1	1.8	.2								5.1	3.0
ENE	2.9	1.1	.2								4.3	2.9
E	3.1	1.0									4.1	2.4
ESE	1.1	.2									1.3	2.3
SE	.2										.2	1.0
SSE	.5										.5	1.7
S	.8										.8	1.8
SSW	.5	.3	.2								1.0	4.0
SW	1.6	2.6	.8	.3							5.4	5.2
WSW	3.1	5.4	2.1	.5							11.1	5.0
W	2.3	4.3	3.4	.7							10.6	5.9
WNW	1.8	1.6	.5	.3							4.3	4.7
NW	.5	1.0	.3								1.8	4.5
NNW	1.0	1.3	.5								2.8	4.2
VARIABLE			6.9	2.6							9.5	9.4
CALM	////////////////////										29.1	////
TOTALS	27.0	24.1	15.4	4.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: RAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.7	.3								4.0	4.4
NNE	2.0	2.5									4.5	3.6
NE	2.0	1.7									3.7	3.4
ENE	2.7	1.8	.2	.2							4.9	3.9
E	3.5	3.7	.3								7.6	3.7
ESE	1.5	1.8	.2								3.5	3.8
SE	.6	.9									1.7	3.6
SSE	1.3	.5									1.8	2.8
S	1.5	.7									2.2	2.7
SSW	1.7	1.0	1.0	.3							4.0	5.1
SW	1.5	2.0	2.0	.3							5.9	6.0
WSW	2.7	4.0	2.5	.3							9.6	5.5
W	2.2	4.9	3.5	1.2							11.8	6.3
WNW	.8	2.0	1.0	.2							4.0	6.0
NW	1.3	1.0	.5								2.9	4.0
NNW	1.0	1.5	.5								3.0	4.6
VARIABLE			14.6	3.9	.2						18.7	9.3
CALM	////////////////////										6.2	////
TOTALS	27.7	32.8	26.7	6.4	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	3.1	1.2								5.9	5.0
NNE	3.5	2.1	.5								6.1	3.4
NE	1.4	1.6									3.1	3.8
ENE	1.6	1.9									3.5	3.2
E	.7	3.8	.5								4.9	4.8
ESE	1.4	1.4	.2								3.1	4.2
SE	.7	1.9									2.6	4.3
SSE	1.4	.2									1.6	2.6
S	1.2	.5									1.6	2.6
SSW	.7	.9	1.4								3.1	6.3
SW	.7	1.2	2.4	.5							4.7	7.4
WSW	2.1	6.4	3.8	.7							12.9	6.2
W	2.8	6.6	5.6	.7							15.8	6.3
WNW	.9	2.4	.7	.5							4.5	5.8
NW	1.2	1.6	.5	.2							3.5	5.1
NNW	.7	1.4	.2								2.4	4.5
VARIABLE			12.2	3.1							15.3	9.2
CALM	////////////////////////////////////										5.4	////
TOTALS	22.9	36.9	29.2	5.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 425

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD FREUZYACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	1.9	.4									3.6	4.1
NNE	2.0	1.5	.1									3.7	3.3
NE	1.9	1.3	.0									3.2	3.2
ENE	2.0	1.2	.1	.0								3.3	3.3
E	2.0	2.0	.2									4.2	3.6
ESE	1.0	.8	.1									2.0	3.6
SE	.4	.6	.0									1.0	4.0
SSE	.8	.2										1.0	2.6
S	1.0	.3										1.2	2.4
SSW	.9	.7	.6	.1								2.2	5.1
SW	1.5	1.9	1.6	.4								5.4	5.8
WSW	3.8	5.3	2.5	.4								11.9	5.0
W	4.1	4.8	3.4	.7								13.0	5.3
WNW	1.2	1.6	.5	.2								3.5	5.2
NW	.8	.9	.4	.0								2.1	4.4
NNW	.9	1.1	.3									2.3	4.2
VARIABLE			8.6	2.5	.0							11.1	9.3
CALM	////////////////////											25.1	////
TOTALS	25.8	26.0	18.8	4.3	.0							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 2231

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0600-0900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7											.7	2.3
NNE	.5	.2										.7	2.7
NE	.2											.2	1.0
ENE	.7											.7	2.0
E	.5											.5	2.5
ESE	.7											.7	1.0
SE													
SSE													
S	.7											.7	1.3
SSW	.7	.5										1.2	3.0
SW	2.6	1.7	.7									5.0	3.4
WSW	5.5	4.3	3.6	.2								13.6	5.0
W	6.0	3.1	2.9	1.2	.2							13.4	5.2
WNW	.7		.2									1.0	4.0
NW	.5	.2										.7	2.7
NNW	.2	.2										.5	2.5
VARIABLE			3.8									3.8	7.9
CALM	////////////////////////////////////											56.6	////
TOTALS	20.3	10.3	11.2	1.4	.2							100.0	2.0

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	1.3									2.1	3.4
NNE	3.4	1.5									4.9	2.5
NE	1.9	.2	.2								2.4	2.5
ENE	1.5	.6		.2							2.4	3.3
E	3.0	.4									3.4	2.4
ESE	1.3										1.3	1.8
SE												
SSE	.4	.2									.6	2.3
S	.2										.2	3.0
SSW	1.1	.2									1.3	2.3
SW	1.9	1.5	1.7	.2							5.3	5.2
WSW	3.4	4.5	4.7	.6	.2						13.5	5.9
W	3.4	2.8	3.6	1.9							11.8	6.3
WNW	.6	.4	.4								1.5	4.3
NW	.4	.2	.2								.9	4.3
NNW	.6	.4									1.1	3.0
VARIABLE			9.2	2.4	.4						12.0	9.6
CALM	////////////////////////////////////										35.5	////
TOTALS	24.1	14.3	20.1	5.3	.6						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.6										3.7	3.8
NNE	5.2	.7										5.9	2.1
NE	2.4	.9	.4									3.7	3.1
ENE	3.0	1.3	.7									5.0	3.5
E	4.1	1.7	.9									6.7	3.5
ESE	1.1	1.3										2.4	3.2
SE	.7	1.1										1.7	4.0
SSE	.9	.2										1.1	1.8
S	1.1	.4										1.5	2.3
SSW	1.7	.7	.2									2.6	3.5
SW	.9	2.2	1.3	.2								4.6	5.9
WSW	2.4	5.2	2.8	1.1		.2						11.7	6.4
W	2.8	2.6	2.6	2.4								10.4	7.0
WNW	1.1	2.2	1.3	.4								5.0	6.0
NW	1.3	.4										1.7	3.0
NNW	.4	.9										1.3	4.2
VARIABLE			11.3	5.9								17.1	9.9
CALM	////////////////////											13.9	////
TOTALS	30.2	24.3	21.5	10.0		.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 451

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.2	.6								3.6	3.8
NNE	3.0	1.8	.6								5.4	3.5
NE	3.0	1.5	1.2								5.7	3.6
ENE	2.4	.3	1.2								3.9	3.8
E	2.1	1.2	.3	.6							4.2	4.7
ESE	2.1	1.5									3.6	2.9
SE	1.8	1.2	.3								3.3	3.5
SSE	1.5										1.5	1.8
S	.3										.3	1.0
SSW	1.5	1.5									3.0	3.2
SW	1.2	3.3	1.2	.3							6.0	5.3
WSW	.6	5.1	3.6	1.5							10.9	7.3
W	1.2	4.7	5.4	2.4							13.3	7.3
WNW	2.4	3.3	2.4	.3							8.5	5.4
NW	.6	.9	.6								2.1	5.1
NNW	.9	1.5									2.4	4.0
VARIABLE			10.3	3.6							13.9	9.4
CALM	////////////////////////////////////										8.2	////
TOTALS	26.6	28.7	27.8	8.8							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 331

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.3	.1								2.5	3.6
NNE	3.1	1.0	.1								4.2	2.7
NE	1.8	.6	.4								2.9	3.1
ENE	1.9	.6	.4	.1							3.0	3.5
E	2.5	.8	.3	.1							3.8	3.5
ESE	1.3	.7									1.9	2.6
SE	.5	.5	.1								1.1	3.7
SSE	.7	.1									.8	1.9
S	.6	.1									.7	2.0
SSW	1.3	.7	.1								2.0	3.1
SW	1.7	2.1	1.3	.2							5.2	4.9
WSW	3.1	4.8	3.7	.8	.1	.1					12.5	6.0
W	3.5	3.1	3.5	2.0	.1						12.1	6.4
WNW	1.1	1.4	1.0	.2							3.7	5.4
NW	.7	.4	.2								1.3	3.9
NNW	.5	.7									1.3	3.7
VARIABLE			8.6	3.0	.1						11.7	9.6
CALM	////////////////////										29.4	////
TOTALS	25.2	18.9	19.8	6.3	.2	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 1679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	.5									.8	4.7
NNE	.5										.5	1.5
NE	.5	.3									.8	2.7
ENE	2.3	2.5	.3	.3							5.3	4.1
E	2.0	1.5									3.6	2.9
ESE	.8										.8	2.3
SE	.5										.5	1.5
SSE	1.0										1.0	1.5
S	.3	.3									.5	4.0
SSW	1.5	.3									1.8	2.0
SW	3.3	2.5	1.8	1.0	.3						8.9	5.7
WSW	2.8	7.4	2.8	.8							13.7	5.5
W	2.8	1.5	.3								4.6	3.2
WNW	.3										.3	1.0
NW			.3								.3	10.0
NNW												
VARIABLE			2.8	.8							3.6	9.8
CALM	////////////////////										53.3	////
TOTALS	18.8	16.8	8.1	2.8	.3						100.0	2.3

TOTAL NUMBER OF OBSERVATIONS: 394

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	.8	.2									1.3	4.4
NNE	2.3	.7										3.0	2.3
NE	1.3	.7										2.0	2.7
ENE	2.3	2.5	1.8	.5								7.2	5.3
E	2.5	1.8	.7	.3								5.4	4.5
ESE	1.5	.8										2.3	3.1
SE	.8	.2										1.0	2.7
SSE	.3											.3	2.0
S	.5	.3										.8	3.2
SSW	.5	1.8	.5									2.9	5.5
SW	1.7	3.4	.8	1.0	.2							7.2	6.2
WSW	2.7	6.4	3.2	1.2								13.4	6.0
W	3.9	1.5	1.3	.7								7.4	4.7
WNW	.3	.3										.7	3.0
NW		.2	.2									.3	8.0
NNW		.3	.2									.5	5.3
VARIABLE			3.7	2.9	.5							7.0	10.9
CALM	////////////////////											37.1	////
TOTALS	21.1	21.6	12.6	6.5	.8							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 596

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	1.4	.2								2.7	3.8
NNE	1.7	.9	.2								2.7	3.3
NE	3.4	.5	.5								4.4	2.6
ENE	2.0	2.7	2.2	.3							7.3	5.4
E	4.3	2.6	1.4	.7							8.9	4.7
ESE	2.9	.3	.2								3.4	2.6
SE	.5	.2									.7	2.5
SSE	.7	.2									.9	2.0
S	.7	.5									1.2	3.0
SSW	.7	1.5	.5								2.4	5.4
SW	1.5	3.1	2.0	.5							7.2	6.0
WSW	2.2	3.4	3.7	1.5							10.9	6.8
W	1.4	2.6	2.0	1.2							7.2	6.6
WNW	.5	.7		.2							1.4	4.9
NW	.2	.9	.5								1.5	5.6
NNW	.9	.3	.2								1.4	3.1
VARIABLE			11.4	3.9	.5	.3					16.2	10.3
CALM	////////////////////////////////////										19.8	////
TOTALS	24.4	21.6	25.0	8.3	.5	.3					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	1.4	.4								4.1	3.5
NNE	1.6	.7									2.3	2.5
NE	2.5	1.8	.4								4.7	3.8
ENE	2.5	2.9	1.6	.5							7.5	5.1
E	3.0	2.0	1.4	.4							6.8	4.7
ESE	2.0	.5									2.5	2.6
SE	1.4	.2									1.6	2.4
SSE	1.1	.4	.2								1.6	3.3
S	.9	.4									1.3	3.3
SSW	1.4	3.4	.2								5.0	4.1
SW	1.3	4.3	2.3								7.9	5.4
WSW	3.0	4.7	3.9	.5							12.2	5.7
W	1.1	3.4	1.4	.9							6.8	6.3
WNW	1.1	1.6	.2	.2							3.0	4.9
NW	.2	.7									.9	4.4
NNW	.2		.2								.4	5.0
VARIABLE			7.9	4.7	.7						13.3	10.5
CALM	////////////////////////////////////										18.1	////
TOTALS	25.6	28.3	20.1	7.2	.7						109.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.1	.2								2.3	3.8
NNE	1.6	.6	.0								2.3	2.6
NE	2.1	.8	.2								3.1	3.1
ENE	2.3	2.7	1.6	.4							7.0	5.1
E	3.0	2.0	.9	.4							6.4	4.5
ESE	1.9	.5	.0								2.4	2.7
SE	.6	.1									1.0	2.4
SSE	.7	.1	.0								.9	2.5
S	.6	.4									1.0	3.2
SSW	.9	1.9	.3								3.1	4.5
SW	1.8	3.4	1.7	.6	.1						7.7	5.8
WSW	2.7	5.3	3.5	1.0							12.5	6.0
W	2.2	2.3	1.4	.7							6.7	5.5
WNW	.6	.7	.0	.1							1.4	4.5
NW	.1	.5	.2								.8	5.8
NNW	.3	.2	.1								.6	3.9
VARIABLE			6.7	3.2	.5	.1					10.5	10.4
CALM	////////////////////										30.4	////
TOTALS	22.9	22.5	17.1	6.5	.6	.1					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 2135

GLOBAL CLIMATOLOGY BRANCH
USAFETAP
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3										.3	2.0
NNE	.6										.6	1.5
NE	1.2	.3	.3								1.7	3.3
ENE	1.2	1.2	.9	.3							3.5	5.9
E	2.9	.6									3.5	2.3
ESE	1.2										1.2	2.0
SE	1.4										1.4	2.0
SSE												
S	.9	.3									1.2	2.5
SSW	2.6	.3	.3								3.2	2.7
SW	2.3	.9	2.6	1.2	.3						7.2	7.3
WSW	2.3	6.1	6.1	2.0							16.5	7.1
W	4.9	2.6	2.0	1.4		.3					11.3	5.7
WNW	.6	.3									.9	3.3
NW	.6	.3									.9	2.7
NNW	.6										.6	1.5
VARIABLE			1.7	.3	.3						2.3	10.0
CALM	////////////////////										43.9	////
TOTALS	23.4	12.7	13.9	5.2	.6	.3					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	.6	.2									1.6	4.0
NNE	.6	.4	.4									1.4	4.4
NE	1.2	.6	.4									2.1	4.4
ENE	2.1	.8	1.2	.2								4.3	4.9
E	3.9	1.4		.2								5.4	3.2
ESE	1.2	.4										1.6	2.4
SE	1.0											1.0	2.4
SSE	.4											.4	2.0
S	1.2	.4										1.6	2.5
SSW	1.9	.8	.6									3.3	3.7
SW	1.6	2.3	3.1	1.6	.2							8.7	7.4
WSW	4.5	3.5	6.0	3.9	.6	.4						18.8	7.8
W	3.1	2.7	1.7	1.0								8.5	5.3
WNW		1.4										1.4	4.9
NW	.6											.6	2.7
NNW	.2	.2										.4	4.0
VARIABLE			2.5	2.9								5.4	10.8
CALM	////////////////////////////////////											33.7	////
TOTALS	24.0	15.3	16.1	9.7	.8	.4						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	1.8									3.3	3.6
NNE	1.6	1.0	.2								2.7	3.1
NE	2.1	.6	.2								2.9	2.7
ENE	1.8	.2	.8	1.0							3.7	6.3
E	4.5	1.8	.4	.6							7.2	3.8
ESE	1.2	.2									1.4	2.1
SE	.6										.6	2.3
SSE	.2										.2	2.0
S	.2	.2	.2								.6	5.3
SSW	.8	1.8	.2	.4							3.1	5.4
SW	.8	3.7	2.7	1.2	.4						8.8	7.4
WSW	1.6	3.7	3.9	3.5	.8						13.5	8.5
W	2.3	2.5	3.3	2.7	.2						11.1	7.4
WNW	.5	1.6	.6								2.7	5.4
NW	.2	1.0	.4								1.6	5.4
NNW	.4	.4	.2								1.0	4.4
VARIABLE			6.6	7.9		.2					10.7	10.4
CALM	////////////////////////////////////										24.8	////
TOTALS	20.3	20.3	19.7	13.3	1.4	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 512

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	2.2	.4										2.6	2.7
NNE	2.0	.8	.2									3.0	3.3
NE	1.6	.4	.4	.2								2.6	4.3
ENE	2.0	.6	.8	.6								4.0	5.1
E	5.4	1.2	.6									7.3	3.1
ESE	1.4	.2										2.0	2.0
SE	.8	.2										1.0	2.4
SSE	.2											.2	2.0
S	.6											.6	2.7
SSW	.6	1.2		.2								2.0	4.6
SW	1.6	3.8	3.0	1.0	.8							10.3	7.5
WSW	2.2	5.6	3.6	3.0	.4							14.9	7.4
W	1.4	2.8	4.2	1.8								10.3	7.4
WNW	.8	1.0										1.8	3.8
NW	.8	.6	.2									1.6	4.3
NNW	.8	.4										1.2	3.5
VARIABLE			4.8	2.8	.2							7.9	10.5
CALM	////////////////////////////////////											26.6	////
TOTALS	25.0	19.4	17.9	9.7	1.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(1ST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	.7	.1									2.1	3.3
NNE	1.2	.6	.2									2.0	3.4
NE	1.6	.5	.3	.1								2.4	3.7
ENE	1.8	.6	.9	.5								3.9	5.5
E	4.3	1.3	.3	.2								6.0	3.3
ESE	1.3	.2										1.6	2.1
SE	.9	.1										1.0	2.3
SSE	.2											.2	2.0
S	.7	.2	.1									1.0	3.0
SSW	1.4	1.1	.3	.2								2.9	4.2
SW	1.5	2.8	2.9	1.2	.4							8.9	7.4
WSW	2.7	.6	4.8	3.2	.5	.1						15.9	7.7
W	2.8	2.7	2.9	1.8	.1	.1						10.2	6.6
WNW	.5	1.1	.2									1.8	4.6
NW	.5	.5	.2									1.2	4.2
NNW	.5	.3	.1									.8	3.6
VARIABLE			4.1	2.7	.1	.1						7.0	10.5
CALM	////////////////////////////////////											31.3	////
TOTALS	23.2	17.3	17.2	9.6	1.1	.2						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 1870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.5											.5	2.0
NNE	.5	.8										1.3	4.2
NE	1.3	.8	.5									2.6	4.2
ENE	2.6	1.1	.8	.3								4.7	4.4
E	2.1	2.6	.3									5.0	3.9
ESE	.3	.5										1.3	3.8
SE	1.1	.5										1.6	3.3
SSE	.3											.3	3.0
S		.3										.3	4.0
SSW	1.6											1.6	1.8
SW	1.9	1.6	1.2	1.3								6.1	6.7
WSW	1.8	2.4	5.8	5.3	.3	.3						15.8	9.2
W	1.8	2.6	1.1	1.1	.3							6.8	6.7
WNW	1.1	.5				.3						1.8	6.0
NW		.3										.3	4.0
NNW	.5	.3	.3									1.1	4.0
VARIABLE			4.7	2.6	1.3							8.7	11.3
CALM	////////////////////											40.3	////
TOTALS	17.9	14.2	14.7	10.5	1.8	.5						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 380

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.7	.7										1.4	3.0
NNE	1.5	.5										2.0	2.5
NE	1.2	1.2	.7									3.0	4.5
ENE	1.9	.7	.8	.3								3.7	4.9
E	2.7	2.5	.2									5.4	3.7
ESE	1.7	.5										2.2	2.4
SE	1.7	.3										1.4	2.8
SSE	.3											.3	1.0
S	.5		.2									.7	4.3
SSW	1.2	.8	.3									2.4	3.9
SW	1.5	2.7	1.9	.7	.2							6.9	6.6
WSW	3.7	4.4	3.6	5.4	.2	.3						17.6	8.2
W	1.9	2.0	1.9	1.2	.7							7.6	7.6
WNW	.2	.7	.3									1.2	5.1
NW	.2											.2	2.0
NNW	.2	.2	.2		.2							.7	8.8
VARIABLE			3.6	5.4	.5							9.5	11.8
CALM	////////////////////////////////////											33.8	////
TOTALS	20.3	17.3	13.5	13.0	1.7	.3						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.7	.7	.2									1.6 4.2
NNE	1.8	.7										2.5 2.6
NE	1.8	1.1										2.8 2.6
ENE	1.9	1.6	1.6	.9								6.0 5.9
E	2.8	2.5	3.0	.4								8.7 5.3
ESE	1.2	.2										1.4 2.1
SE	.5	.7										1.2 3.0
SSE	.7											.7 2.3
S	.2											.2 2.0
SSW	1.2	1.6	.4	.2								3.4 4.8
SW	.7	4.6	1.1	1.1	.2							7.6 6.6
WSW	2.1	5.5	5.1	5.7	.4	.5						19.3 8.7
W	1.9	.9	3.2	1.4	.5							8.0 8.2
WNW	.4	.7	.4									1.4 4.9
NW	.5	.5	.4									1.4 4.6
NNW	.2	.5	.2									.9 5.0
VARIABLE			2.3	5.8	.7							8.8 12.4
CALM	////////////////////////////////////										24.1	////
TOTALS	18.8	21.8	17.7	15.4	1.8	.5					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 555

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LSY): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	.8										2.1	2.9
NNE	.8	.8										1.6	3.5
NE	.6		.2									.8	3.0
ENE	2.1	2.3	1.6									6.0	4.9
E	3.5	4.1	.6	.2								8.4	4.2
ESE	1.8	.2										1.9	1.8
SE	1.2	.8										1.9	3.2
SSE	.6		.2									.8	3.0
S	.6	.2										.8	2.3
SSW	1.8	.6	.6									2.9	3.8
SW	2.1	4.1	1.6	.6	.2							8.6	5.7
WSW	1.2	4.3	4.1	7.2	.6							17.3	9.5
W	1.0	1.9	1.6	1.6	.6							6.6	8.5
WNW	.8	.6	.4	.4								2.1	6.4
NW	.2	.4	.2									.8	5.5
NNW	.2	.4	.2									.8	5.5
VARIABLE			5.4	3.3	.2	.2						9.1	10.8
CALM	////////////////////											27.4	////
TOTALS	19.6	21.4	16.5	13.2	1.6	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 514

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	.6	.0								1.5	3.3
NNE	1.2	.7									1.9	3.0
NE	1.2	.8	.3								2.3	3.7
ENE	2.1	1.4	1.2	.4							5.1	5.1
E	2.8	2.9	1.1	.1							7.0	4.4
ESE	1.4	.3									1.8	2.4
SE	.9	.6									1.5	3.1
SSE	.5		.0								.5	2.4
S	.3	.1	.0								.5	3.2
SSW	1.4	.8	.3	.0							2.6	4.0
SW	1.5	3.4	1.5	.9	.1						7.4	6.4
WSW	2.3	4.3	4.5	5.9	.3	.3					17.7	8.8
W	1.7	1.8	2.0	1.3	.5						7.3	7.8
WNW	.5	.6	.3	.1		.0					1.6	5.7
NW	.2	.3	.1								.7	4.6
NNW	.2	.3	.2		.0						.8	5.8
VARIABLE			3.9	4.5	.5	.0					9.1	11.6
CALM	////////////////////////////////////										30.7	////
TOTALS	19.3	19.0	15.7	13.3	1.7	.4					109.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	1.7	.3	.0								3.3	4.1
NNE	1.8	1.1	.2	.0								3.1	3.3
NE	1.7	1.1	.4	.2	.0							3.4	4.4
ENE	2.2	1.7	1.1	.4	.0							5.3	5.0
E	3.0	2.4	.7	.2								6.3	4.2
ESE	1.4	.7	.1									2.2	3.1
SE	.6	.4	.1	.0								1.0	3.4
SSE	.5	.1	.0									.6	2.6
S	.6	.3	.1	.0								.9	3.3
SSW	.9	1.0	.3	.1	.0							2.3	4.6
SW	1.4	2.6	1.9	.6	.1	.0						6.5	6.3
WSW	2.3	4.2	3.4	1.9	.1	.1						12.0	7.0
W	2.7	3.1	2.9	1.3	.1	.0						10.2	6.4
WNW	.9	1.2	.5	.2	.0	.0						2.8	5.2
NW	.5	.7	.3	.1								1.6	5.0
NNW	.6	.7	.2	.0	.0							1.6	4.6
VARIABLE		.0	6.9	3.6	.4	.0	.0					11.0	10.3
CALM	////////////////////////////////////											25.8	////
TOTALS	22.4	23.1	19.3	8.5	.7	.1	.0					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 24721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.2	.5	.1								1.8	3.2
NNE	2.4	1.0	.2	.0							3.6	3.0
NE	2.6	1.2	.3	.1							4.2	3.3
ENE	3.5	1.7	.9	.1							6.2	3.8
E	5.0	2.7	.1								7.8	3.0
ESE	2.1	.3	.2								2.6	2.7
SE	1.2	.2									1.4	2.3
SSE	.5	.0									.5	1.9
S	.4	.1									.5	2.5
SSW	.5	.2	.1								.8	3.0
SW	.8	.7	.5	.1	.1						2.1	5.8
WSW	1.5	1.7	1.2	.5							4.9	5.8
W	1.7	.7	.5	.1							3.0	4.1
WNW	.6	.2	.0	.0							.8	3.4
NW	.5	.2	.0								.6	3.2
NNW	.2	.2	.0	.0							.5	4.0
VARIABLE		.0	1.6	1.0	.3	.0					2.9	11.1
CALM	////////////////////										55.5	////
TOTALS	24.7	11.7	5.7	2.0	.4	.0					100.0	1.8

TOTAL NUMBER OF OBSERVATIONS: 3317

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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "1" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1968, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPRESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(IST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	1	160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I		10.2	12.4	15.9	16.7	16.7	16.7	19.3	19.1	19.1	19.9	19.9	20.4	20.7	20.7	21.0	21.0
GE 20000	I		11.6	14.5	18.3	19.4	19.4	19.4	21.0	22.0	22.0	22.8	22.8	23.4	23.7	23.7	23.9	23.9
GE 18000	I		11.8	14.8	18.5	19.5	19.5	19.5	21.2	22.8	22.8	23.7	23.7	24.2	24.5	24.5	24.7	24.7
GE 16000	I		11.8	14.8	18.5	19.6	19.6	19.6	21.2	22.8	22.8	23.7	23.7	24.2	24.5	24.5	24.7	24.7
GE 14000	I		11.8	14.8	18.5	19.6	19.6	19.6	21.2	22.8	22.8	23.7	23.7	24.2	24.5	24.5	24.7	24.7
GE 12000	I		11.8	14.8	18.5	19.6	19.6	19.6	21.5	23.1	23.1	23.9	23.9	24.5	24.7	24.7	25.0	25.0
GE 10000	I		11.8	14.8	18.5	19.6	19.6	19.6	21.5	23.1	23.1	24.5	24.7	25.3	25.8	25.8	26.1	26.1
GE 9000	I		12.1	15.1	19.4	20.4	20.4	20.4	22.3	23.9	23.9	25.3	25.5	26.1	26.6	26.6	26.9	26.9
GE 8000	I		14.8	18.3	24.5	27.4	27.4	27.4	29.6	31.5	31.5	32.8	33.1	33.6	34.1	34.1	34.4	34.4
GE 7000	I		15.1	18.5	25.5	28.8	28.8	28.8	30.9	33.1	33.1	34.4	34.7	35.2	35.8	35.8	36.0	36.0
GE 6000	I		15.3	18.8	25.8	29.0	29.0	29.0	31.2	33.3	33.3	34.7	34.9	35.5	36.0	36.0	36.3	36.3
GE 5000	I		15.3	18.8	25.8	29.0	29.0	29.0	31.2	33.3	33.3	34.7	34.9	35.5	36.0	36.0	36.3	36.3
GE 4500	I		16.1	19.6	26.5	30.1	30.1	30.1	32.3	34.4	34.4	35.8	36.0	36.6	37.1	37.1	37.4	37.4
GE 4000	I		16.7	20.7	27.7	31.5	31.5	31.5	33.9	36.0	36.0	38.2	38.4	39.2	40.1	40.1	40.3	40.3
GE 3500	I		19.9	24.2	32.3	36.0	36.0	36.0	38.7	41.1	41.1	43.3	43.5	44.4	45.2	45.2	45.4	45.4
GE 3000	I		25.8	31.5	41.7	46.2	46.2	46.2	49.2	51.6	51.9	54.3	54.6	55.4	56.2	56.2	56.5	56.5
GE 2500	I		27.7	34.7	48.1	55.4	55.4	55.4	61.3	63.7	64.0	66.4	66.7	67.5	68.3	68.3	68.5	68.5
GE 2000	I		29.8	37.1	53.8	63.2	63.2	63.2	72.5	76.1	76.3	79.8	80.4	81.2	82.3	82.3	82.5	82.5
GE 1800	I		29.8	37.1	53.8	63.2	63.2	63.2	72.8	76.1	76.3	79.8	80.4	81.2	82.3	82.3	82.5	82.5
GE 1600	I		30.9	38.2	56.5	67.5	67.5	67.5	78.8	82.5	82.8	85.3	86.8	87.6	88.7	88.7	89.0	89.0
GE 1400	I		31.5	39.0	57.5	69.1	69.1	69.1	81.2	85.2	85.8	89.2	89.8	90.6	91.7	91.7	91.9	91.9
GE 1200	I		31.5	39.0	57.5	69.6	69.6	69.6	82.5	86.8	87.4	91.7	92.2	93.0	94.1	94.1	94.4	94.4
GE 1000	I		31.5	39.0	57.5	69.6	69.6	69.6	82.5	86.8	87.4	91.7	92.2	93.0	94.1	94.1	94.4	94.4
GE 800	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.4	87.9	92.5	93.0	93.8	94.9	94.9	95.2	95.2
GE 700	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.0	93.5	94.4	95.4	95.4	95.7	95.7
GE 600	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.3	94.1	95.2	96.2	96.2	96.5	96.5
GE 500	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.3	94.1	95.2	96.2	96.2	96.5	96.5
GE 400	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.3	94.1	95.2	96.2	96.2	96.5	96.5
GE 300	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.8	94.6	95.7	97.3	97.3	97.6	97.6
GE 200	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.8	94.6	95.7	97.3	97.8	98.1	98.9
GE 100	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.8	94.6	95.7	97.3	97.8	98.1	100.0
GE 0	I		31.5	39.0	57.5	69.6	69.6	69.6	83.1	87.6	88.4	93.8	94.6	95.7	97.3	97.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 372

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		10.4	10.4	13.0	14.1	14.1	15.2	16.3	16.3	16.8	16.8	17.3	17.5	17.7	17.9	17.9
GE 20000	1		12.7	13.4	16.3	17.7	17.7	19.3	20.9	20.9	21.4	21.4	22.0	22.1	22.3	22.7	22.7
GE 18000	1		12.7	13.4	15.3	17.7	17.7	19.3	20.9	20.9	21.4	21.4	22.0	22.1	22.3	22.7	22.7
GE 16000	1		12.7	13.4	16.3	17.7	17.7	19.3	20.9	20.9	21.4	21.4	22.0	22.1	22.3	22.7	22.7
GE 14000	1		12.9	13.6	16.4	17.9	17.9	19.5	21.1	21.1	21.6	21.6	22.1	22.3	22.5	22.9	22.9
GE 12000	1		13.2	13.9	17.0	18.8	18.8	20.5	22.1	22.1	22.7	22.7	23.2	23.4	23.6	23.9	23.9
GE 10000	1		14.6	15.4	18.8	20.5	20.5	22.3	23.9	23.9	24.6	24.6	25.2	25.9	26.3	26.6	26.6
GE 9000	1		15.5	16.3	20.2	22.1	22.1	23.9	25.5	25.5	26.3	26.3	26.8	27.5	27.9	28.2	28.2
GE 8000	1		17.9	19.3	23.9	26.4	26.6	28.8	30.4	30.4	31.1	31.1	31.6	32.3	32.7	33.0	33.0
GE 7000	1		18.9	20.9	25.4	28.8	28.9	31.1	32.7	32.7	33.4	33.4	33.9	34.6	35.0	35.4	35.4
GE 6000	1		18.9	20.9	25.4	28.8	28.9	31.1	32.7	32.7	33.4	33.4	33.9	34.6	35.0	35.4	35.4
GE 5000	1		19.5	21.4	26.1	29.6	29.6	32.1	33.8	33.8	34.5	34.5	35.0	35.7	36.1	36.4	36.4
GE 4000	1		20.4	22.3	27.1	30.7	30.9	33.2	34.8	34.8	35.5	35.5	36.1	36.8	37.1	37.5	37.5
GE 3000	1		22.3	25.4	30.5	34.1	34.3	37.0	38.8	38.9	39.8	39.8	40.4	41.1	41.4	41.8	41.8
GE 2500	1		27.1	30.4	36.3	39.8	40.0	42.7	44.5	44.6	45.5	45.5	46.1	46.8	47.3	47.7	47.7
GE 2000	1		33.0	37.0	46.3	52.0	52.1	54.8	57.0	57.1	58.4	58.6	59.3	60.0	60.5	60.9	60.9
GE 1500	1		37.1	42.1	52.9	59.8	60.2	64.5	67.1	67.3	68.8	68.9	69.6	70.4	70.9	71.3	71.3
GE 1000	1		40.9	46.3	58.2	66.3	67.1	73.0	75.9	76.8	78.6	78.8	79.5	80.2	80.9	81.3	81.3
GE 800	1		41.6	47.0	58.9	67.0	67.9	73.9	77.3	78.2	80.0	80.2	80.9	81.6	82.3	82.7	82.7
GE 600	1		42.1	47.5	60.0	68.6	69.6	76.3	80.4	81.3	83.6	84.3	85.0	85.7	86.8	87.1	87.3
GE 400	1		43.6	49.1	61.8	70.4	71.4	78.4	83.4	84.3	87.0	87.7	88.4	89.1	90.2	90.5	90.7
GE 300	1		43.6	49.1	61.8	70.7	71.8	78.9	84.3	85.2	88.4	89.1	89.8	90.7	92.3	92.7	92.9
GE 200	1		43.6	49.1	61.8	70.9	72.0	79.1	84.5	85.4	88.6	89.5	90.2	91.3	92.9	93.2	93.4
GE 150	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.5	89.1	90.4	91.3	92.5	94.1	94.5	94.6
GE 100	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.5	90.7	91.6	93.0	94.6	95.0	95.2
GE 50	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	90.9	92.0	93.9	95.5	95.9	96.1
GE 30	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.1	92.1	94.1	95.7	96.1	96.3
GE 20	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	96.6	97.0	97.5
GE 10	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	97.0	97.5	98.0
GE 5	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	97.0	97.5	98.6
GE 0	1		43.6	49.1	61.8	70.9	72.0	79.1	84.6	85.7	89.6	91.3	92.3	94.6	97.0	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 550

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		10.1	10.5	13.0	14.7	14.9	15.8	16.7	16.7	18.3	18.5	18.7	18.7	18.7	18.7	18.7	18.7
GE 20000		15.6	16.8	20.5	22.8	23.0	24.3	25.9	25.9	27.7	27.9	28.1	28.1	28.1	28.1	28.1	28.1
GE 18000		15.6	16.8	20.5	22.8	23.0	24.3	25.9	25.9	27.7	27.9	28.1	28.1	28.1	28.1	28.1	28.1
GE 16000		15.6	16.8	20.5	22.8	23.0	24.3	25.9	25.9	27.7	27.9	28.1	28.1	28.1	28.1	28.1	28.1
GE 14000		15.8	17.0	20.7	23.0	23.2	24.5	26.1	26.1	27.9	28.1	28.3	28.3	28.3	28.3	28.3	28.3
GE 12000		16.8	18.5	22.1	24.6	24.6	26.3	27.9	27.9	29.7	29.9	30.1	30.1	30.1	30.1	30.1	30.1
GE 10000		17.8	19.4	23.4	25.9	26.1	27.5	29.2	29.2	31.0	31.2	31.3	31.3	31.7	31.7	31.7	31.7
GE 9000		18.7	20.3	24.9	27.4	27.5	29.0	30.6	30.6	32.4	32.6	32.8	32.8	33.2	33.2	33.2	33.2
GE 8000		22.8	25.0	29.9	33.2	33.3	34.6	36.4	36.4	38.2	38.6	38.8	38.8	39.1	39.1	39.1	39.1
GE 7000		25.0	27.7	32.5	36.8	37.0	38.4	40.0	40.0	41.8	42.2	42.4	42.4	42.8	42.8	42.8	42.8
GE 6000		25.4	28.1	33.0	37.1	37.3	38.8	40.4	40.4	42.2	42.6	42.8	42.8	43.1	43.1	43.1	43.1
GE 5000		26.6	29.7	34.5	38.9	39.1	40.6	42.2	42.2	44.0	44.4	44.6	44.6	44.9	44.9	44.9	44.9
GE 4500		27.0	30.3	35.1	39.9	40.0	41.7	43.3	43.3	45.1	45.5	45.7	45.7	46.0	46.0	46.0	46.0
GE 4000		29.9	33.5	38.5	43.5	43.7	45.8	47.8	47.8	49.6	50.0	50.2	50.2	50.5	50.5	50.5	50.5
GE 3500		34.8	38.4	44.0	48.9	49.1	51.3	53.3	53.3	55.1	55.4	55.6	55.6	56.0	56.0	56.0	56.0
GE 3000		45.3	49.1	57.8	62.9	63.4	66.5	69.0	69.0	70.8	71.2	71.4	71.4	71.7	71.7	71.7	71.7
GE 2500		48.4	53.1	62.9	69.6	70.3	73.9	77.0	77.2	79.3	79.7	79.9	79.9	80.3	80.3	80.3	80.3
GE 2000		50.5	55.3	65.9	72.8	73.6	78.2	81.5	81.9	84.6	85.0	85.1	85.1	85.5	85.5	85.5	85.5
GE 1800		50.9	55.6	66.3	73.2	73.9	79.2	82.6	83.0	86.2	86.6	86.8	86.8	87.1	87.1	87.1	87.1
GE 1500		51.3	56.2	67.2	74.8	75.9	81.3	85.1	86.2	89.5	90.2	90.4	90.8	91.3	91.3	91.3	91.3
GE 1200		52.0	56.9	67.9	75.9	77.2	82.6	86.4	87.5	91.1	91.8	92.0	92.4	92.9	92.9	92.9	92.9
GE 1000		52.4	57.2	68.5	76.8	76.1	83.5	87.5	88.6	92.8	93.5	93.7	94.0	95.3	95.3	95.3	95.3
GE 900		52.4	57.2	68.8	77.2	76.4	83.9	87.9	88.9	93.1	93.8	94.0	94.4	95.7	95.7	95.7	95.7
GE 800		52.4	57.2	68.8	77.4	76.6	84.1	88.0	89.1	93.7	94.6	94.7	95.1	96.6	96.6	96.6	96.6
GE 700		52.4	57.2	68.8	77.4	76.6	84.1	88.0	89.1	94.4	95.3	95.5	95.8	97.3	97.3	97.3	97.3
GE 600		52.4	57.2	68.8	77.4	76.6	84.1	88.0	89.1	94.6	95.5	95.7	96.0	97.8	97.8	97.8	97.8
GE 500		52.4	57.2	68.8	77.4	76.6	84.2	88.4	89.5	95.1	96.2	96.4	96.7	98.6	98.6	98.6	98.6
GE 400		52.4	57.2	68.8	77.4	76.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.3	99.3	99.3	99.3
GE 300		52.4	57.2	68.8	77.4	76.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	99.6	99.6
GE 200		52.4	57.2	68.8	77.4	76.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	99.6	99.6
GE 100		52.4	57.2	68.8	77.4	76.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	100.0	100.0
GE 0		52.4	57.2	68.8	77.4	76.6	84.2	88.4	89.5	95.1	96.2	96.4	96.9	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 552

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		13.2	13.8	17.3	18.4	18.4	20.7	22.0	22.3	23.1	23.1	23.3	23.3	23.8	23.8	23.8
GE 20000	1		17.9	19.2	24.0	25.9	25.9	28.7	30.4	30.7	31.5	31.5	31.7	31.7	32.2	32.2	32.2
GE 18000	1		18.1	19.4	24.2	26.1	26.1	28.9	30.5	30.9	31.7	31.7	31.8	31.8	32.4	32.4	32.4
GE 16000	1		18.1	19.4	24.2	26.1	26.1	28.9	30.5	30.9	31.7	31.7	31.8	31.8	32.4	32.4	32.4
GE 14000	1		18.2	19.6	24.4	26.3	26.3	29.1	30.7	31.1	31.8	31.8	32.0	32.0	32.6	32.6	32.6
GE 12000	1		19.6	21.4	25.4	28.3	28.3	31.1	32.8	33.1	33.9	33.9	34.1	34.1	34.6	34.6	34.6
GE 10000	1		20.9	22.7	28.1	30.0	30.0	32.8	34.5	34.8	35.6	35.6	35.8	35.8	36.3	36.3	36.3
GE 9000	1		21.6	23.5	29.4	31.3	31.3	34.1	35.8	36.1	36.9	36.9	37.1	37.1	37.6	37.6	37.6
GE 8000	1		25.5	27.6	34.3	36.1	36.7	39.5	41.7	42.1	42.8	42.8	43.0	43.0	43.6	43.6	43.6
GE 7000	1		27.6	30.4	37.4	39.7	40.2	43.0	45.3	45.6	46.4	46.4	46.6	46.6	47.1	47.1	47.1
GE 6000	1		27.7	30.5	37.6	39.9	40.4	43.2	45.4	45.8	46.6	46.6	46.7	46.7	47.3	47.3	47.3
GE 5000	1		29.2	32.2	39.5	41.7	42.3	45.1	47.3	47.7	48.4	48.4	48.6	48.6	49.2	49.2	49.2
GE 4500	1		29.6	32.6	39.9	42.1	42.6	45.4	47.7	48.0	48.8	48.8	49.0	49.0	49.5	49.5	49.5
GE 4000	1		32.6	35.6	43.4	46.0	46.7	50.3	52.7	53.1	53.8	54.0	54.2	54.4	54.9	54.9	54.9
GE 3500	1		36.3	39.7	48.4	51.2	52.0	55.5	58.1	58.5	59.2	59.4	59.6	59.8	60.3	60.3	60.3
GE 3000	1		46.7	51.2	61.3	65.2	66.3	71.1	73.9	74.5	75.2	75.4	75.6	75.8	76.4	76.4	76.4
GE 2500	1		51.0	55.7	67.9	72.3	73.4	78.6	81.6	82.1	83.2	83.4	83.6	83.8	84.4	84.4	84.4
GE 2000	1		52.7	57.4	69.5	74.1	75.2	82.3	85.7	86.4	88.1	88.3	88.5	88.6	89.2	89.2	89.2
GE 1800	1		53.1	57.9	70.0	75.2	76.4	83.6	87.0	87.7	89.4	89.6	89.8	89.9	90.5	90.5	90.5
GE 1600	1		54.4	59.4	71.5	77.1	78.2	85.8	89.2	90.1	91.8	92.0	92.2	92.4	93.1	93.1	93.1
GE 1200	1		55.5	60.5	72.8	78.6	79.7	87.3	90.7	91.6	93.9	94.2	94.4	94.6	95.3	95.3	95.3
GE 1000	1		55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.0	94.6	95.0	95.3	95.7	96.5	96.5	96.5
GE 900	1		55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.0	94.8	95.2	95.5	95.9	96.6	96.6	96.6
GE 800	1		55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.2	95.0	95.7	96.1	96.5	97.4	97.4	97.4
GE 700	1		55.7	60.7	73.0	79.0	80.1	87.7	91.1	92.4	95.5	96.5	97.0	97.4	98.3	98.3	98.3
GE 600	1		55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.3	99.3	99.3
GE 500	1		55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8
GE 400	1		55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8
GE 300	1		55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8
GE 200	1		55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8
GE 100	1		55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	99.8
GE	GI		55.9	60.9	73.4	79.3	80.4	88.3	91.6	93.1	96.5	97.4	98.0	98.3	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 537

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN HOURS (LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		11.0	11.7	14.7	15.9	15.9	17.4	18.4	18.5	19.4	19.5	19.8	19.9	20.1	20.2	20.2	
GE 20000		14.6	16.1	19.8	21.6	21.6	23.5	25.0	25.1	26.1	26.1	26.5	26.6	26.8	26.9	26.9	
GE 18000		14.7	16.2	19.9	21.7	21.7	23.6	25.2	25.3	26.3	26.3	26.7	26.8	27.0	27.1	27.1	
GE 16000		14.7	16.2	19.9	21.7	21.7	23.6	25.2	25.3	26.3	26.3	26.7	26.8	27.0	27.1	27.1	
GE 14000		14.9	16.3	20.1	21.8	21.9	23.7	25.3	25.4	26.4	26.5	26.8	26.9	27.1	27.3	27.3	
GE 12000		15.6	17.3	21.2	23.1	23.1	25.1	26.7	26.8	27.8	27.9	28.2	28.3	28.5	28.6	28.6	
GE 10000		16.6	18.3	22.5	24.3	24.4	26.4	28.0	28.1	29.2	29.3	29.7	30.0	30.3	30.5	30.5	
GE 9000		17.4	19.0	23.8	25.7	25.7	27.7	29.3	29.4	30.6	30.7	31.0	31.3	31.7	31.8	31.8	
GE 8000		20.7	22.9	28.4	31.0	31.3	33.4	35.2	35.3	36.5	36.6	37.0	37.3	37.6	37.8	37.8	
GE 7000		22.2	24.8	30.5	33.8	34.1	36.2	38.1	38.2	39.3	39.5	39.8	40.1	40.5	40.6	40.6	
GE 6000		22.4	25.0	30.8	34.0	34.3	36.4	38.3	38.4	39.5	39.7	40.0	40.3	40.7	40.8	40.8	
GE 5000		23.3	26.1	31.9	35.3	35.5	37.7	39.6	39.7	40.8	41.0	41.3	41.6	42.0	42.1	42.1	
GE 4500		23.8	26.7	32.6	36.1	36.4	38.6	40.5	40.6	41.7	41.9	42.2	42.5	42.9	43.0	43.0	
GE 4000		26.1	29.4	35.6	39.3	39.6	42.4	44.4	44.6	45.9	46.1	46.5	46.9	47.3	47.4	47.4	
GE 3500		30.3	33.9	40.9	44.6	44.9	47.7	49.9	50.0	51.4	51.6	52.0	52.4	52.7	52.9	52.9	
GE 3000		38.7	43.0	52.7	57.4	57.9	61.3	63.8	64.0	65.5	65.8	66.2	66.6	67.0	67.1	67.1	
GE 2500		42.2	47.4	58.7	65.0	65.6	70.2	73.0	73.3	75.1	75.3	75.8	76.2	76.5	76.7	76.7	
GE 2000		44.6	50.0	62.5	69.6	70.3	76.9	80.1	80.7	83.0	83.3	83.7	84.2	84.6	84.8	84.8	
GE 1800		45.0	50.4	62.9	70.2	70.9	77.7	81.1	81.7	84.2	84.5	84.9	85.4	85.8	85.9	85.9	
GE 1500		45.8	51.3	64.4	72.3	73.3	80.7	84.4	85.3	87.9	88.4	88.9	89.4	90.1	90.2	90.3	
GE 1200		46.8	52.4	65.5	73.8	74.9	82.4	86.5	87.4	90.4	90.9	91.4	91.9	92.6	92.7	92.8	
GE 1000		47.0	52.5	65.8	74.4	75.5	83.2	87.4	88.3	91.8	92.4	92.9	93.6	94.6	94.7	94.8	
GE 900		47.0	52.5	65.9	74.5	75.6	83.3	87.6	88.5	92.0	92.7	93.2	93.9	94.9	95.0	95.1	
GE 800		47.0	52.5	65.9	74.6	75.7	83.5	87.8	88.7	92.5	93.4	94.0	94.7	95.8	95.9	96.0	
GE 700		47.0	52.5	65.9	74.6	75.7	83.5	87.8	88.9	93.1	94.0	94.6	95.4	96.5	96.6	96.7	
GE 600		47.0	52.6	66.0	74.7	75.8	83.6	88.0	89.1	93.5	94.5	95.2	96.1	97.3	97.4	97.5	
GE 500		47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.6	94.7	95.4	96.3	97.7	97.8	97.9	
GE 400		47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.6	94.8	95.4	96.5	98.1	98.3	98.4	
GE 300		47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.5	98.7	98.9	
GE 200		47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.6	98.8	99.3	
GE 100		47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.6	98.8	100.0	
GE 0		47.0	52.6	66.0	74.7	75.8	83.7	88.1	89.2	93.7	94.9	95.5	96.7	98.6	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 2021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 63	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL		8.0	11.8	18.7	23.9	25.3	26.9	28.3	28.3	29.9	29.9	29.9	29.9	29.9	29.9	30.2	
GE 20000		8.0	11.8	18.7	23.9	25.0	26.9	28.3	28.3	30.5	30.5	30.5	30.5	30.8	30.8	31.0	
GE 18000		8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.3	31.3	31.6	
GE 16000		8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.3	31.3	31.6	
GE 14000		8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.3	31.3	31.6	
GE 12000		8.5	12.4	19.2	24.5	25.5	27.5	28.8	28.8	31.0	31.0	31.0	31.0	31.3	31.3	31.6	
GE 10000		8.5	12.4	19.2	24.5	25.5	27.7	29.4	29.4	31.9	31.9	31.9	31.9	32.1	32.1	32.7	
GE 9000		8.5	12.4	19.5	25.0	26.1	28.6	30.2	30.2	32.7	33.0	33.0	33.0	33.2	33.2	33.8	
GE 8000		9.9	14.0	22.0	28.3	29.4	33.0	34.6	34.6	37.9	38.2	38.5	38.5	39.0	39.0	39.6	
GE 7000		10.2	14.3	22.5	29.1	30.2	33.8	35.4	35.7	39.3	39.6	39.8	39.8	40.4	40.4	41.2	
GE 6000		10.2	14.3	22.5	29.1	30.2	33.8	35.4	35.7	39.3	39.6	39.8	39.8	40.4	40.4	41.2	
GE 5000		10.4	14.6	22.8	29.4	30.5	34.3	36.0	36.3	39.8	40.1	40.4	40.4	40.9	40.9	41.8	
GE 4500		10.4	14.6	23.1	30.2	31.6	35.4	37.4	37.6	41.2	41.5	41.8	41.8	42.3	42.3	43.1	
GE 4000		11.3	15.4	24.7	33.0	34.6	38.5	40.7	40.9	45.1	45.3	45.6	45.6	46.2	46.2	47.0	
GE 3500		12.9	18.7	29.4	38.7	40.7	44.8	47.3	47.5	51.9	52.2	52.5	52.5	53.0	53.0	53.8	
GE 3000		15.7	23.1	36.3	48.4	50.5	55.8	58.5	59.1	64.3	64.8	65.1	65.1	65.7	65.7	66.5	
GE 2500		16.6	24.2	39.0	52.7	55.8	63.2	65.9	66.5	71.7	72.3	72.5	72.5	73.1	73.1	73.9	
GE 2000		18.4	26.1	45.6	61.3	64.6	73.4	77.5	78.3	83.8	84.3	84.6	84.6	85.2	85.2	86.0	
GE 1800		19.0	26.6	46.2	61.8	65.1	74.2	78.6	79.4	84.9	85.4	85.7	85.7	86.5	86.5	87.4	
GE 1500		20.1	27.7	47.8	64.0	67.6	77.5	82.1	83.0	89.0	89.8	90.1	90.4	91.2	91.2	92.0	
GE 1200		20.1	27.7	47.8	64.6	68.1	78.6	83.5	84.3	90.7	91.8	92.0	92.3	93.1	93.1	94.0	
GE 1000		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.5	92.6	92.9	93.7	94.5	94.5	95.3	
GE 900		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.5	92.6	92.9	93.7	94.5	94.5	95.3	
GE 800		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	95.9	
GE 700		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	95.9	
GE 600		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	95.9	
GE 500		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	96.2	
GE 400		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.5	92.6	93.4	94.2	95.1	95.1	96.4	
GE 300		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.6	95.6	97.3	
GE 200		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.9	95.9	98.6	
GE 100		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.9	95.9	99.7	
GE C		20.1	27.7	47.8	64.6	68.1	78.8	84.1	84.9	91.8	92.9	93.7	94.5	95.9	95.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 354

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREIZYACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(IST): 0900-1100

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		7.4	11.0	19.2	24.3	25.4	27.1	28.4	28.5	30.0	30.2	30.2	30.4	30.4	30.4	30.4
GE 20000		8.8	12.5	21.0	26.2	27.3	29.5	30.8	31.5	33.3	33.7	33.7	33.9	33.9	33.9	33.9
GE 18000		9.4	13.1	21.5	26.7	27.8	30.0	31.3	32.0	33.9	34.3	34.3	34.4	34.4	34.4	34.4
GE 16000		9.4	13.1	21.5	26.7	27.8	30.0	31.3	32.0	33.9	34.3	34.3	34.4	34.4	34.4	34.4
GE 14000		9.4	13.1	21.5	26.7	27.8	30.0	31.3	32.0	33.9	34.3	34.3	34.4	34.4	34.4	34.4
GE 12000		9.6	13.3	21.7	26.9	28.0	30.2	31.5	32.4	34.3	34.6	34.6	34.8	34.8	34.8	34.8
GE 10000		9.9	13.6	22.1	27.3	28.4	30.6	31.9	33.0	35.4	35.7	35.7	35.9	35.9	35.9	36.3
GE 9000		10.5	14.2	22.7	27.8	28.9	31.1	32.6	33.7	36.1	36.5	36.5	36.6	36.6	36.6	37.0
GE 8000		11.8	15.5	24.1	30.8	32.0	34.8	36.3	37.8	40.1	40.7	40.7	40.9	40.9	40.9	41.3
GE 7000		12.7	16.4	26.3	33.7	35.0	37.9	39.4	41.1	43.5	44.0	44.2	44.6	44.9	44.9	45.3
GE 6000		12.7	16.4	26.3	33.7	35.0	37.9	39.4	41.1	43.5	44.0	44.2	44.6	44.9	44.9	45.3
GE 5000		12.7	16.4	26.3	33.9	35.2	38.1	39.6	41.3	43.8	44.4	44.6	44.9	45.3	45.3	45.7
GE 4500		12.9	16.8	27.3	34.8	36.1	39.2	40.7	42.4	44.9	45.5	45.7	46.0	46.4	46.4	46.8
GE 4000		14.9	19.2	30.4	39.6	41.1	44.6	46.0	47.7	50.6	51.2	51.4	51.7	52.1	52.1	52.5
GE 3500		16.8	22.5	34.5	44.8	46.4	50.1	51.6	53.2	56.4	56.9	57.1	57.5	57.8	57.8	58.2
GE 3000		20.1	26.7	41.1	52.7	54.3	58.9	60.8	62.4	66.1	66.7	67.0	67.4	67.8	67.8	68.1
GE 2500		21.2	28.2	44.0	56.7	58.6	64.6	66.7	68.3	72.0	72.6	72.9	73.3	73.7	73.7	74.0
GE 2000		23.8	31.9	49.7	63.4	65.2	72.7	75.5	77.2	81.4	82.3	82.7	83.1	83.4	83.4	83.8
GE 1800		24.3	32.4	50.3	63.9	65.7	73.3	76.2	77.9	82.1	83.1	83.4	83.8	84.3	84.3	84.7
GE 1500		24.9	33.1	51.4	65.4	67.2	75.1	78.8	80.8	85.4	87.7	88.0	89.6	89.3	89.3	89.7
GE 1200		25.0	33.3	51.5	65.9	67.8	75.9	79.7	82.0	88.0	89.5	89.9	90.4	91.2	91.2	91.5
GE 1000		25.0	33.3	51.5	65.9	67.8	75.9	80.3	82.5	88.6	90.2	91.0	91.7	92.4	92.4	92.6
GE 900		25.0	33.3	51.6	65.9	67.8	76.1	80.5	82.7	89.1	90.8	91.5	92.3	93.0	93.0	93.4
GE 800		25.0	33.3	51.6	66.3	68.1	76.6	81.0	83.2	89.7	91.5	92.6	93.9	94.7	94.7	95.0
GE 700		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	89.9	92.1	93.2	94.5	95.2	95.2	95.6
GE 600		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	89.9	92.1	93.2	94.5	95.4	95.4	95.8
GE 500		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.7	95.0	96.1	96.1	96.9
GE 400		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.7	95.2	96.9	96.9	97.6
GE 300		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.2	97.2	98.2
GE 200		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.4	97.4	99.8
GE 100		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.4	97.4	100.0
GE 01		25.2	33.5	51.7	66.5	68.3	76.8	81.2	83.4	90.2	92.4	93.9	95.6	97.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 543

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: FEB HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			12.6	15.3	22.2	29.4	29.9	31.4	33.3	34.0	34.9	34.9	34.9	35.1	35.1	35.1	35.1
GE 20000			13.9	16.8	23.9	31.6	32.3	34.0	36.0	37.0	38.1	38.1	38.1	38.3	38.4	38.6	38.6
GE 18000			13.9	16.8	23.9	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8
GE 16000			13.9	16.8	23.9	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8
GE 14000			13.9	16.8	23.9	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8
GE 12000			13.9	16.8	23.9	31.6	32.5	34.2	36.2	37.2	38.3	38.3	38.3	38.4	38.6	38.8	38.8
GE 10000			14.4	17.7	24.3	32.5	33.5	35.1	37.3	38.4	39.6	39.6	39.6	39.7	40.1	40.3	40.3
GE 9000			15.2	18.5	25.5	33.3	34.2	35.9	38.6	39.7	40.9	40.9	40.9	41.0	41.4	41.6	41.6
GE 8000			18.1	21.6	30.1	39.0	39.9	41.6	44.4	45.5	46.6	46.6	46.6	46.8	47.1	47.3	47.3
GE 7000			20.0	23.5	32.5	42.1	43.1	44.7	47.7	48.8	50.3	50.3	50.3	50.5	51.0	51.2	51.2
GE 6000			20.0	23.5	32.5	42.1	43.1	44.7	47.7	48.8	50.3	50.3	50.3	50.5	51.0	51.2	51.2
GE 5000			20.5	24.0	33.5	43.1	44.0	45.7	48.6	49.7	51.2	51.2	51.2	51.4	51.9	52.1	52.1
GE 4500			20.5	24.0	33.5	43.3	44.2	45.8	48.8	49.9	51.4	51.4	51.4	51.6	52.1	52.3	52.3
GE 4000			23.1	27.0	37.2	48.1	49.5	50.6	53.6	54.7	56.4	56.4	56.4	56.6	57.5	57.7	57.7
GE 3500			26.2	31.2	42.5	54.0	54.9	56.6	59.5	60.8	62.5	62.5	62.5	62.7	63.6	63.8	63.8
GE 3000			31.6	37.9	50.5	62.5	63.6	66.9	70.1	71.3	73.2	73.4	73.8	73.9	74.9	75.0	75.0
GE 2500			32.9	39.4	53.4	66.9	68.0	71.5	74.7	76.0	77.8	78.0	78.4	78.6	79.5	79.7	79.7
GE 2000			36.6	43.3	58.2	73.2	74.3	78.4	82.3	83.7	86.0	86.3	86.7	86.9	88.0	88.2	88.2
GE 1800			36.8	43.4	58.6	73.6	74.7	78.7	82.8	84.3	86.7	87.1	87.4	87.6	88.7	88.9	88.9
GE 1500			37.5	44.2	59.7	75.6	76.7	80.8	85.8	87.6	90.8	91.1	91.5	91.7	92.8	93.0	93.0
GE 1200			37.9	44.5	60.3	76.5	77.6	81.9	86.9	88.7	92.4	92.8	93.2	93.3	94.6	94.8	94.8
GE 1000			37.9	44.5	60.3	76.5	77.6	81.9	87.2	89.1	92.8	93.2	93.5	93.7	95.0	95.2	95.2
GE 900			37.9	44.5	60.3	77.1	78.2	83.0	88.7	90.6	94.3	94.6	95.0	95.2	96.5	96.7	96.7
GE 800			37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.8	94.6	94.8	95.2	95.4	96.7	96.9	96.9
GE 600			37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.8	94.8	95.2	95.6	95.7	97.0	97.2	97.2
GE 500			37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.8	94.8	95.6	95.9	96.1	97.6	97.8	98.3
GE 400			37.9	44.5	60.3	77.1	78.4	83.2	88.9	90.8	94.8	95.6	95.9	96.1	98.3	98.5	99.3
GE 300			37.9	44.5	60.3	77.1	78.4	83.2	89.1	90.9	95.2	95.9	96.5	96.7	99.1	99.3	100.0
GE 200			37.9	44.5	60.3	77.1	78.4	83.2	89.1	90.9	95.2	95.9	96.5	96.7	99.1	99.3	100.0
GE 100			37.9	44.5	60.3	77.1	78.4	83.2	89.1	90.9	95.2	95.9	96.5	96.7	99.1	99.3	100.0
GE 0			37.9	44.5	60.3	77.1	78.4	83.2	89.1	90.9	95.2	95.9	96.5	96.7	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 541

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		16.7	21.2	29.1	33.4	33.4	34.9	36.4	37.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000	1		18.9	23.8	32.1	37.9	37.9	39.4	40.9	41.5	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	1		19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 16000	1		19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 14000	1		19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 12000	1		19.1	24.0	32.3	38.6	38.6	40.2	41.7	42.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 10000	1		19.9	25.3	33.8	40.2	40.3	41.8	43.3	43.9	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 9000	1		19.9	25.3	33.8	40.2	40.3	42.0	43.5	44.1	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 8000	1		23.6	29.5	39.8	46.7	47.3	49.0	50.5	51.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 7000	1		25.3	31.1	42.2	50.1	50.7	52.3	54.0	54.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 6000	1		25.3	31.1	42.2	50.1	50.7	52.3	54.0	54.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 5000	1		25.9	31.9	43.0	51.0	51.6	53.3	55.0	55.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 4500	1		26.3	32.8	43.9	52.0	52.5	54.2	55.9	56.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 4000	1		28.7	36.2	47.8	56.5	57.0	58.7	60.8	61.4	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 3500	1		30.2	37.7	50.7	59.7	60.2	61.9	64.0	64.5	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 3000	1		35.6	44.1	58.3	68.7	69.2	71.5	74.3	75.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2500	1		38.1	46.5	62.5	73.9	74.5	76.7	79.9	80.7	83.5	83.5	83.5	83.5	83.7	83.7	83.7
GE 2000	1		41.1	49.9	67.2	79.4	79.9	82.9	86.7	87.6	90.6	91.2	91.2	91.2	91.6	91.6	91.7
GE 1800	1		41.1	50.3	67.7	80.1	81.1	84.2	88.0	88.9	91.9	92.5	92.5	92.5	92.9	92.9	93.1
GE 1500	1		41.1	50.3	68.1	81.4	82.4	85.7	90.1	91.0	94.2	94.7	94.7	94.7	95.1	95.1	95.3
GE 1200	1		41.1	50.3	68.1	81.4	82.4	85.7	90.4	91.4	95.1	95.7	95.7	95.7	96.1	96.1	96.2
GE 1000	1		41.1	50.3	68.1	81.4	82.4	85.7	90.4	91.4	95.9	96.4	96.4	96.4	96.8	96.8	97.0
GE 900	1		41.1	50.5	68.5	81.8	82.7	86.1	90.8	91.7	96.2	96.8	96.8	96.8	97.2	97.2	97.4
GE 800	1		41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.1	96.6	97.2	97.2	97.2	97.6	97.6	97.7
GE 700	1		41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.5	97.2	97.7	97.7	97.7	98.1	98.1	98.3
GE 600	1		41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.5	97.2	97.7	97.7	97.7	98.1	98.1	98.3
GE 500	1		41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.5	97.2	97.7	97.7	97.7	98.1	98.1	98.3
GE 400	1		41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.5	97.6	98.1	98.1	98.1	98.7	98.7	98.9
GE 300	1		41.3	50.7	68.7	82.0	82.9	86.3	91.2	92.7	97.7	98.3	98.3	98.3	98.9	98.9	99.1
GE 200	1		41.3	50.7	68.7	82.0	82.9	86.3	91.6	93.1	98.1	98.7	98.7	98.7	99.2	99.2	99.8
GE 100	1		41.3	50.7	68.7	82.0	82.9	86.3	91.6	93.1	98.1	98.7	98.7	98.7	99.2	99.2	99.8
GE 0	1		41.3	50.7	68.7	82.0	82.9	86.3	91.6	93.1	98.1	98.7	98.7	98.7	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 533

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: FEB HOURS(1ST): ALL

CEILING IN FEET	GT 16"	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		11.4	15.1	22.6	28.1	28.7	30.2	31.9	32.3	33.5	33.5	33.5	33.6	33.6	33.6	33.7
GE 20000		12.8	16.6	24.3	30.4	31.1	32.9	34.5	35.1	36.5	36.6	36.6	36.7	36.9	36.9	37.0
GE 18000		13.1	16.9	24.6	30.8	31.6	33.4	35.0	35.6	37.1	37.2	37.2	37.3	37.4	37.4	37.5
GE 16000		13.1	16.9	24.6	30.8	31.6	33.4	35.0	35.6	37.1	37.2	37.2	37.3	37.4	37.4	37.5
GE 14000		13.1	16.9	24.6	30.8	31.6	33.4	35.0	35.6	37.1	37.2	37.2	37.3	37.4	37.4	37.5
GE 12000		13.1	17.0	24.7	30.9	31.7	33.5	35.0	35.7	37.2	37.3	37.3	37.4	37.5	37.5	37.6
GE 10000		13.6	17.7	25.4	31.7	32.5	34.3	36.0	36.7	38.4	38.5	38.5	38.6	38.8	38.8	39.0
GE 9000		13.9	18.0	25.3	32.1	32.9	34.9	36.7	37.5	39.2	39.3	39.3	39.4	39.6	39.6	39.8
GE 8000		16.4	20.6	29.6	36.9	37.8	40.1	42.0	42.9	44.7	44.9	44.9	45.0	45.2	45.3	45.5
GE 7000		17.6	21.9	31.6	39.6	40.5	42.9	44.9	45.8	48.0	48.2	48.3	48.4	48.8	48.8	49.1
GE 6000		17.6	21.9	31.6	39.6	40.5	42.9	44.9	45.8	48.0	48.2	48.3	48.4	48.8	48.8	49.1
GE 5000		18.0	22.3	32.1	40.2	41.1	43.6	45.5	46.5	48.7	48.9	49.0	49.1	49.5	49.5	49.8
GE 4500		18.1	22.7	32.7	40.9	41.9	44.4	46.4	47.3	49.5	49.7	49.8	50.0	50.3	50.4	50.6
GE 4000		20.2	25.2	35.9	45.2	46.3	48.9	51.1	52.0	54.5	54.7	54.8	54.9	55.4	55.4	55.7
GE 3500		22.3	28.3	40.1	50.2	51.4	54.1	56.3	57.3	59.8	60.0	60.1	60.3	60.7	60.8	61.0
GE 3000		26.7	33.8	47.4	58.9	60.2	63.9	66.5	67.6	70.9	71.2	71.4	71.6	72.0	72.1	72.3
GE 2500		28.1	35.4	50.5	63.4	64.9	69.5	72.3	73.4	76.6	76.9	77.2	77.3	77.8	77.9	78.1
GE 2000		30.9	38.8	56.0	70.0	71.5	77.1	80.7	82.0	85.6	86.2	86.4	86.6	87.2	87.2	87.5
GE 1800		31.2	39.2	56.5	70.5	72.2	77.9	81.6	82.9	86.5	87.1	87.4	87.5	88.2	88.3	88.6
GE 1500		31.6	39.8	57.5	72.2	74.0	80.0	84.4	85.8	90.2	90.9	91.2	91.4	92.2	92.2	92.5
GE 1200		32.0	39.9	57.7	72.7	74.5	80.7	85.3	86.8	91.6	92.5	92.7	93.0	93.8	93.8	94.1
GE 1000		32.0	39.9	57.7	72.7	74.5	80.7	85.6	87.1	92.2	93.1	93.5	93.9	94.7	94.8	95.1
GE 900		32.0	40.0	57.8	72.8	74.6	80.9	85.8	87.3	92.5	93.4	93.7	94.1	95.0	95.0	95.3
GE 800		32.0	40.0	57.8	73.1	74.9	81.4	86.4	87.9	93.1	94.1	94.6	95.2	96.0	96.1	96.4
GE 700		32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.4	94.4	95.0	95.6	96.4	96.4	96.7
GE 600		32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.5	94.5	95.1	95.7	96.5	96.6	96.9
GE 500		32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.6	94.8	95.4	95.9	96.9	96.9	97.5
GE 400		32.1	40.1	57.9	73.2	75.0	81.5	86.5	88.1	93.7	94.9	95.5	96.1	97.4	97.5	98.2
GE 300		32.1	40.1	57.9	73.2	75.0	81.5	86.6	88.2	93.9	95.1	95.8	96.4	97.9	97.9	98.7
GE 200		32.1	40.1	57.9	73.2	75.0	81.5	86.7	88.3	94.0	95.2	95.9	96.5	98.1	98.1	99.6
GE 100		32.1	40.1	57.9	73.2	75.0	81.5	86.7	88.3	94.0	95.2	95.9	96.5	98.1	98.1	99.9
GE 0		32.1	40.1	57.9	73.2	75.0	81.5	86.7	88.3	94.0	95.2	95.9	96.5	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 1931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS (LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		7.5	9.0	12.9	20.7	21.7	23.6	24.1	24.8	26.3	26.3	26.3	26.3	26.3	26.3	26.8
GE 20000		9.5	11.4	15.3	23.4	24.6	27.3	28.0	28.7	30.2	30.2	30.2	30.2	30.4	30.4	30.9
GE 18000		9.5	11.4	15.3	23.4	24.6	27.3	28.0	29.0	30.4	30.4	30.4	30.4	30.7	30.7	31.1
GE 16000		9.5	11.4	15.3	23.4	24.6	27.3	28.0	29.0	30.4	30.4	30.4	30.4	30.7	30.7	31.1
GE 14000		9.5	11.4	15.3	23.4	24.6	27.3	28.0	29.0	30.4	30.4	30.4	30.4	30.7	30.7	31.1
GE 12000		9.7	11.7	15.5	23.6	24.8	27.7	28.5	29.4	30.9	30.9	30.9	30.9	31.1	31.1	31.6
GE 10000		10.5	12.7	16.5	24.6	25.5	29.4	30.2	31.1	32.6	32.6	32.6	32.6	32.8	32.8	33.3
GE 9000		11.7	13.9	18.2	26.3	27.5	31.1	31.9	32.8	35.0	35.0	35.0	35.0	35.3	35.3	35.8
GE 8000		12.7	15.1	21.4	30.7	31.9	36.5	37.5	38.4	40.9	40.9	40.9	40.9	41.1	41.1	41.6
GE 7000		13.6	16.3	22.6	32.8	34.1	38.7	39.9	40.9	43.3	43.3	43.3	43.3	43.6	43.6	44.0
GE 6000		13.9	17.0	23.4	33.6	34.8	39.4	40.6	41.6	44.0	44.0	44.0	44.0	44.3	44.3	44.8
GE 5000		15.1	18.2	24.6	35.0	36.3	40.9	42.1	43.3	46.0	46.0	46.0	46.0	46.2	46.2	46.7
GE 4500		15.3	18.5	25.1	35.8	37.0	41.6	42.8	44.0	46.7	46.7	46.7	46.7	47.0	47.0	47.4
GE 4000		18.5	22.1	29.4	40.6	41.8	47.4	48.7	49.9	53.0	53.0	53.0	53.0	53.3	53.3	53.8
GE 3500		20.4	25.1	33.6	45.5	46.7	52.6	53.8	55.0	58.2	58.2	58.2	58.2	58.4	58.4	58.9
GE 3000		26.8	33.6	44.8	59.4	60.6	67.9	69.3	70.6	74.0	74.0	74.0	74.0	74.2	74.2	74.7
GE 2500		29.2	36.7	48.9	65.7	66.9	74.7	76.4	77.9	81.5	81.5	81.5	81.5	81.8	81.8	82.2
GE 2000		22.4	40.1	54.7	72.3	74.2	82.5	84.4	85.9	90.8	90.8	90.8	90.8	91.0	91.0	91.5
GE 1800		33.1	40.9	55.5	73.0	74.9	83.2	85.2	86.6	91.5	91.5	91.5	91.5	91.7	91.7	92.2
GE 1500		34.1	41.8	56.7	74.7	76.6	84.9	87.1	89.1	94.2	94.2	94.2	94.2	94.4	94.4	94.9
GE 1200		34.3	42.6	57.4	75.4	77.4	85.6	87.8	89.8	94.9	94.9	95.1	95.1	95.4	95.4	95.9
GE 1000		34.3	42.6	57.4	75.4	77.4	85.6	87.8	89.8	95.1	95.4	95.6	95.6	95.9	95.9	96.4
GE 900		34.3	42.6	57.4	75.4	77.4	85.6	87.8	89.8	95.1	95.4	95.6	95.6	95.9	95.9	96.4
GE 800		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.1	96.4	96.4	96.8
GE 700		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.1	96.4	96.4	96.8
GE 600		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.1	96.4	96.4	96.8
GE 500		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.1	96.6	96.6	97.1
GE 400		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.4	97.1	97.1	97.6
GE 300		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.4	97.1	97.1	97.8
GE 200		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.4	97.1	97.1	98.5
GE 100		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.4	97.1	97.1	99.5
GE 0		34.3	42.6	57.4	75.4	77.4	85.6	88.1	90.0	95.6	95.9	96.1	96.4	97.1	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 411

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	1		9.0	9.8	13.9	22.2	23.4	24.3	24.8	25.3	26.0	26.0	26.0	26.0	26.0	26.0
GE 20000		13.4	14.2	18.5	27.1	28.3	29.4	30.7	31.4	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 18000		13.6	14.4	18.5	27.3	28.4	30.1	31.4	32.0	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 16000		13.6	14.4	18.5	27.3	28.4	30.1	31.4	32.0	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 14000		13.7	14.5	19.0	27.6	28.6	30.4	31.7	32.4	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 12000		13.7	14.5	19.0	27.6	28.6	30.6	31.9	32.5	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 10000		15.2	16.0	20.4	29.2	30.4	32.7	34.0	34.6	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 9000		16.5	17.3	21.9	30.9	32.0	34.6	36.1	36.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 8000		19.6	20.8	25.5	36.3	37.4	40.5	42.2	42.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 7000		20.1	21.2	27.5	38.1	39.2	42.5	44.3	44.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 6000		20.1	21.2	27.5	38.1	39.2	42.5	44.3	44.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 5000		21.9	23.0	29.5	40.4	41.5	44.8	46.6	47.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 4500		22.2	23.4	29.9	40.7	41.8	45.3	47.1	47.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 4000		24.5	26.3	33.8	45.6	46.7	50.2	52.1	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 3500		26.8	28.9	37.4	49.5	51.0	54.6	56.7	57.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 3000		34.5	37.1	48.5	62.7	64.7	69.6	71.7	72.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 2500		37.4	40.4	53.1	68.3	70.3	76.0	78.1	79.2	81.5	81.7	81.7	81.7	81.7	81.7	81.7
GE 2000		41.7	44.6	59.5	75.5	77.5	83.3	85.9	87.1	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800		42.8	45.8	60.9	77.0	78.9	84.6	87.4	88.6	91.3	91.5	91.5	91.5	91.5	91.5	91.5
GE 1500		44.3	47.2	62.7	79.6	81.7	87.6	90.2	91.3	94.1	94.3	94.3	94.3	94.3	94.4	94.4
GE 1200		44.8	47.7	63.2	80.4	82.5	88.4	91.0	92.3	95.1	95.3	95.3	95.3	95.3	95.4	95.4
GE 1000		45.3	48.2	63.7	80.9	83.0	88.9	91.8	93.1	96.2	96.6	96.6	96.6	96.6	96.7	96.9
GE 900		45.3	48.2	63.7	80.9	83.0	88.9	91.8	93.1	96.2	96.6	96.6	96.6	96.6	96.7	96.9
GE 800		45.3	48.2	63.7	81.0	83.2	89.1	92.0	93.3	96.4	96.7	96.9	96.9	96.9	97.1	97.2
GE 700		45.3	48.2	63.7	81.0	83.2	89.1	92.0	93.3	96.4	96.7	96.9	96.9	96.9	97.1	97.2
GE 600		45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.9	98.0	98.0	98.2	99.3
GE 500		45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.9	98.0	98.0	98.2	99.8
GE 400		45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.9	98.0	98.0	98.2	99.8
GE 300		45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.9	98.0	98.0	98.2	99.8
GE 200		45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.9	98.0	98.0	98.2	99.8
GE 100		45.4	48.4	63.9	81.2	83.3	89.2	92.5	93.8	97.1	97.4	97.9	98.0	98.0	98.2	99.8
GE 0		45.6	48.5	64.1	81.4	83.5	89.4	92.6	94.0	97.2	97.5	98.0	98.2	98.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	150	50	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		8.2	10.3	16.8	22.7	22.8	23.2	23.7	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
GE 20000		12.4	14.5	21.4	27.2	27.4	27.9	28.5	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 18000		12.9	15.0	21.9	27.7	28.2	28.9	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 16000		12.9	15.0	21.9	27.7	28.2	28.9	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 14000		12.9	15.0	21.9	27.7	28.2	28.9	29.5	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
GE 12000		14.0	16.2	23.0	28.9	29.4	30.0	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
GE 10000		16.3	19.4	25.4	31.8	32.3	33.0	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 9000		17.6	19.7	25.8	33.1	34.1	34.7	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 8000		21.5	23.7	31.2	38.0	39.0	39.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 7000		23.7	25.8	33.4	40.5	41.4	42.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 6000		23.7	25.8	33.4	40.5	41.4	42.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 5000		24.3	26.6	34.6	41.6	42.6	43.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 4500		25.3	27.6	35.9	42.9	43.9	45.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 4000		27.7	30.5	39.3	47.1	48.1	49.4	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 3500		33.6	36.5	46.0	55.1	56.1	57.4	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 3000		45.0	48.5	59.2	69.7	70.6	72.1	73.6	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 2500		51.5	55.3	67.2	78.1	79.3	81.1	83.4	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2000		56.3	60.7	73.2	85.2	86.3	88.1	90.4	91.5	91.8	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800		56.9	61.3	73.9	85.8	86.9	88.9	91.2	92.3	92.7	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500		58.2	62.8	75.5	88.1	89.2	91.7	94.5	95.6	96.1	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200		58.2	62.8	75.5	88.1	89.4	92.0	94.8	95.9	96.4	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000		58.9	63.5	76.2	88.7	90.0	92.8	96.1	97.4	97.9	98.5	98.5	98.5	98.5	98.5	98.5
GE 900		59.1	63.6	76.3	88.9	90.2	93.0	96.2	97.6	98.0	98.7	98.7	98.7	98.7	98.7	98.7
GE 800		59.1	63.6	76.3	88.9	90.2	93.0	96.2	97.6	98.0	98.7	98.7	98.7	98.7	98.7	98.7
GE 700		59.1	63.6	76.3	88.9	90.2	93.0	96.2	97.6	98.2	98.9	98.9	98.9	99.0	99.0	99.0
GE 600		59.1	63.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.0	99.0	99.0	99.2	99.2	99.2
GE 500		59.1	63.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.0	99.0	99.0	99.2	99.2	99.2
GE 400		59.1	63.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.7	99.7	99.8
GE 300		59.1	63.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.7	99.7	99.8
GE 200		59.1	63.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.7	99.8	100.0
GE 100		59.1	63.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.7	99.8	100.0
GE 0		59.1	63.6	76.3	88.9	90.2	93.0	96.4	97.7	98.4	99.2	99.2	99.2	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 613

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		16.0	20.1	24.2	28.3	26.5	28.8	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 20000		21.1	25.4	24.3	34.6	34.9	35.1	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 18000		21.5	25.7	30.2	34.9	35.3	35.4	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 16000		21.5	25.7	30.2	34.9	35.3	35.4	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GE 14000		21.6	25.9	30.3	35.1	35.6	35.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 12000		22.3	26.6	31.0	35.8	36.3	36.5	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 10000		24.5	28.8	33.9	38.7	39.2	39.4	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 9000		25.9	30.2	35.3	40.0	40.5	41.1	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 8000		30.7	35.3	40.9	46.0	46.5	47.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 7000		32.0	36.6	42.3	47.9	48.9	49.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 6000		32.2	36.8	42.9	48.0	49.1	50.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 5000		33.0	37.6	43.9	49.1	50.1	51.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 4500		33.6	38.2	44.5	49.7	50.8	51.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 4000		37.0	42.1	48.9	54.5	55.5	56.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 3500		40.9	46.2	53.7	59.5	60.5	61.5	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 3000		52.6	58.9	67.3	74.4		76.5	78.0	78.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500		58.1	64.6	74.5	81.6	82.8	84.5	86.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2000		61.5	69.2	80.1	87.6	88.8	90.5	92.5	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1800		61.8	69.5	80.4	87.9	89.1	91.0	93.0	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1500		62.9	70.5	81.5	89.8	91.1	93.4	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1200		63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000		63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900		63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800		63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700		63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600		63.9	71.7	82.3	91.0	92.7	95.2	98.1	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500		63.9	71.7	82.3	91.0	92.7	95.2	98.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400		63.9	71.7	82.3	91.0	92.7	95.2	98.1	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0
GE 300		63.9	71.7	82.3	91.0	92.7	95.2	98.1	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0
GE 200		63.9	71.7	82.3	91.0	92.7	95.2	98.1	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0
GE 100		63.9	71.7	82.3	91.0	92.7	95.2	98.1	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0
GE 0		63.9	71.7	82.3	91.0	92.7	95.2	98.1	99.1	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 567

AD-A195 266

LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LSOCS)
BAD KREUZNACH AFB GERMANY (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL FEB 88
USAFETAC/DS-88/008

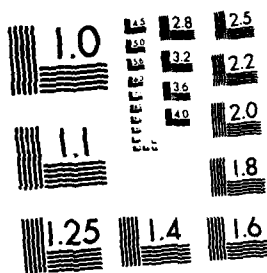
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1988



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS 1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		10.3	12.5	17.2	23.7	24.3	25.1	25.6	26.0	26.4	26.4	26.4	26.4	26.4	26.4	26.5
GE 20000		14.4	16.7	21.7	28.4	29.1	30.1	31.0	31.4	31.8	31.8	31.8	31.8	31.9	31.9	32.0
GE 18000		14.7	17.0	22.0	28.7	29.5	30.6	31.5	31.9	32.4	32.4	32.4	32.4	32.5	32.5	32.6
GE 16000		14.7	17.0	22.0	28.7	29.5	30.6	31.5	31.9	32.4	32.4	32.4	32.4	32.5	32.5	32.6
GE 14000		14.8	17.1	22.1	28.8	29.6	30.8	31.7	32.1	32.6	32.6	32.6	32.6	32.7	32.7	32.7
GE 12000		15.3	17.6	22.6	29.4	30.2	31.4	32.3	32.7	33.2	33.2	33.2	33.2	33.3	33.3	33.4
GE 10000		17.1	19.4	24.7	31.6	32.4	33.9	34.8	35.2	35.7	35.7	35.7	35.7	35.8	35.8	35.9
GE 9000		18.4	20.7	26.1	33.1	34.0	35.7	36.7	37.1	37.7	37.7	37.7	37.7	37.7	37.7	37.8
GE 8000		21.8	24.3	30.6	38.3	39.2	41.4	42.6	43.0	43.8	43.8	43.8	43.8	43.8	43.8	43.9
GE 7000		23.0	25.6	32.3	40.4	41.4	43.8	45.1	45.5	46.2	46.2	46.2	46.2	46.3	46.3	46.4
GE 6000		23.1	25.8	32.4	40.5	41.6	44.0	45.3	45.7	46.4	46.4	46.4	46.4	46.5	46.5	46.6
GE 5000		24.2	27.0	33.8	42.0	43.1	45.5	46.7	47.2	48.0	48.0	48.0	48.0	48.0	48.0	48.1
GE 4500		24.8	27.5	34.5	42.8	43.9	46.3	47.5	48.0	48.8	48.8	48.8	48.8	48.9	48.9	48.9
GE 4000		27.6	30.9	38.5	47.5	48.5	51.1	52.5	53.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1
GE 3500		31.2	34.9	43.4	52.9	54.1	56.8	58.3	59.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
GE 3000		40.8	45.3	55.9	67.1	68.5	71.8	73.5	74.3	75.5	75.5	75.5	75.5	75.6	75.6	75.7
GE 2500		45.3	50.2	61.9	74.0	75.4	79.4	81.4	82.4	83.8	83.9	83.9	83.9	83.9	83.9	84.0
GE 2000		49.2	54.7	67.8	80.7	82.3	86.4	88.6	89.7	91.5	91.7	91.7	91.7	91.7	91.7	91.8
GE 1800		49.9	55.4	68.6	81.6	83.1	87.3	89.5	90.6	92.4	92.6	92.6	92.6	92.6	92.6	92.7
GE 1500		51.1	56.7	70.1	83.7	85.3	89.7	92.4	93.5	95.5	95.6	95.6	95.6	95.7	95.7	95.8
GE 1200		51.6	57.3	70.7	84.4	86.1	90.7	93.3	94.6	96.5	96.7	96.8	96.8	96.8	96.9	96.9
GE 1000		51.9	57.6	71.0	84.7	86.5	91.0	93.9	95.2	97.3	97.6	97.6	97.6	97.7	97.7	97.8
GE 900		52.0	57.6	71.1	84.8	86.5	91.1	94.0	95.2	97.3	97.6	97.7	97.7	97.7	97.8	97.9
GE 800		52.0	57.6	71.1	84.8	86.5	91.1	94.1	95.3	97.4	97.8	97.8	97.8	97.9	97.9	98.1
GE 700		52.0	57.6	71.1	84.8	86.5	91.1	94.1	95.3	97.5	97.8	97.9	97.9	98.0	98.0	98.2
GE 600		52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.1	98.2	98.2	98.2	98.3	98.4
GE 500		52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.1	98.2	98.2	98.3	98.3	98.5
GE 400		52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.2	98.3	98.4	98.8	98.9	99.1
GE 300		52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.2	98.3	98.4	98.8	98.9	99.2
GE 200		52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.2	98.3	98.4	98.8	98.9	99.6
GE 100		52.0	57.7	71.1	84.8	86.6	91.2	94.2	95.6	97.8	98.2	98.3	98.4	98.8	98.9	99.9
GE 0		52.0	57.7	71.2	84.9	86.6	91.2	94.3	95.6	97.8	98.2	98.4	98.5	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2223

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KRELNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 0600-0300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 150	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		16.5	20.0	30.0	36.3	36.5	38.7	39.6	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000		19.3	23.8	35.2	42.2	42.5	45.3	46.7	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000		19.6	24.1	35.8	42.7	43.1	45.8	47.4	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 16000		19.6	24.1	35.8	42.7	43.1	45.8	47.4	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 14000		20.0	24.5	36.1	43.2	43.6	46.4	47.9	47.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 12000		20.0	24.7	36.8	44.1	44.4	47.2	48.8	48.8	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 10000		21.0	26.4	39.1	46.7	47.0	50.0	51.6	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 9000		21.9	27.4	40.3	48.8	49.1	52.1	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 8000		24.8	30.9	45.0	54.2	54.5	57.6	59.7	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000		26.7	33.3	48.4	59.4	59.7	62.6	64.9	64.9	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 6000		26.7	33.3	48.4	59.5	59.9	63.0	65.1	65.1	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000		27.4	34.4	50.0	61.6	62.0	65.3	67.4	67.4	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4500		27.6	34.5	50.2	62.0	62.3	65.8	67.9	67.9	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4000		28.8	36.1	52.3	65.5	65.8	69.3	71.5	71.5	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3500		32.1	39.6	56.1	70.1	70.7	74.3	76.6	76.6	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3000		37.0	45.5	63.9	80.0	80.7	84.4	87.2	87.3	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 2500		38.7	47.4	66.7	83.0	83.7	87.3	90.3	90.5	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000		40.3	49.5	70.0	86.8	87.5	91.1	94.3	94.8	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800		40.3	49.5	70.1	87.0	87.7	91.3	94.4	95.0	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500		40.3	49.5	70.1	87.2	88.0	91.7	95.3	95.8	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 100		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	100.0
GE 0		40.6	49.8	70.7	87.7	88.5	92.2	95.8	96.5	98.3	98.8	98.8	98.8	98.8	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: Apr HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 63	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	18.7	21.9	29.2	33.7	33.9	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 20000		23.1	26.5	34.7	41.3	41.8	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 18000		23.5	27.1	35.3	41.9	42.4	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000		23.5	27.1	35.3	41.9	42.4	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 14000		24.2	27.7	36.1	42.7	43.2	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 12000		24.5	28.1	36.5	43.1	43.5	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 10000		25.8	29.4	37.9	45.0	45.6	47.9	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 9000		26.6	30.5	39.5	46.9	47.6	49.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 8000		29.0	32.9	42.4	50.2	50.8	53.1	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 7000		31.1	35.0	45.0	54.4	55.2	57.4	59.0	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 6000		31.1	35.0	45.0	54.4	55.2	57.4	59.0	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 5000		31.8	36.0	46.5	56.6	57.4	59.7	61.3	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 4500		32.1	36.6	47.4	57.6	58.4	60.6	62.3	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 4000		35.2	40.0	50.8	61.3	62.1	64.4	66.0	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 3500		40.2	46.1	57.9	70.5	71.3	73.5	75.2	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000		47.6	53.9	67.9	81.1	81.9	84.5	86.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2500		49.7	56.0	70.5	84.2	85.0	87.6	89.5	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 2000		52.4	59.0	75.3	90.0	91.1	93.9	96.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800		52.6	59.2	75.5	90.2	91.3	94.0	96.1	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500		53.1	60.0	76.6	91.6	92.7	96.0	98.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200		53.1	60.3	77.1	92.1	93.2	96.5	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000		53.1	60.3	77.1	92.1	93.2	96.5	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900		53.1	60.3	77.1	92.1	93.2	96.5	98.7	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		53.1	60.3	77.1	92.1	93.2	96.5	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 620

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		26.6	29.5	34.4	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000		32.8	36.1	42.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 18000		32.8	36.1	42.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 16000		32.9	36.3	42.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 14000		32.9	36.3	42.9	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 12000		33.1	36.4	43.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 10000		34.6	38.3	44.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 9000		35.6	39.3	46.3	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 8000		38.4	42.3	49.8	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 7000		40.4	44.3	52.1	57.4	57.4	57.4	57.9	57.9	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 6000		40.4	44.3	52.2	57.6	57.6	57.6	58.1	58.1	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 5000		41.4	45.4	53.6	59.1	59.1	59.1	59.6	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 4500		42.8	46.8	55.1	60.6	60.6	60.6	61.1	61.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4000		45.4	49.4	58.1	64.2	64.2	64.2	64.7	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 3500		52.6	57.1	67.2	74.0	74.0	74.0	74.5	74.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 3000		63.6	68.2	80.0	87.2	87.2	87.2	87.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500		67.7	72.4	84.7	91.8	91.8	91.8	92.3	92.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000		71.2	76.5	88.9	96.5	96.5	96.7	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800		71.4	76.7	89.0	97.0	97.0	97.2	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500		72.2	77.5	90.2	98.3	98.3	98.5	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		72.2	77.7	90.7	98.8	98.8	99.0	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 671

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	CF 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		33.9	35.1	37.4	40.1	40.1	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 20000		42.2	43.6	47.2	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 18000		42.7	44.0	47.7	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 16000		42.7	44.0	47.7	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 14000		43.1	44.5	48.2	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 12000		44.3	45.6	49.3	52.5	52.5	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 10000		46.3	47.7	51.8	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 9000		47.2	48.6	53.0	56.2	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 8000		53.7	56.0	60.6	63.8	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 7000		55.0	57.3	62.2	66.1	66.1	66.1	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 6000		55.0	57.3	62.2	66.1	66.1	66.1	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 5000		56.0	58.5	63.5	67.4	67.4	67.4	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4500		56.9	59.4	64.4	68.3	68.3	68.3	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 4000		60.3	62.8	68.5	72.7	72.7	72.7	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 3500		66.5	69.5	76.1	80.3	80.3	80.3	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3000		76.4	79.6	86.7	91.3	91.3	91.3	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2500		79.8	83.0	91.5	96.1	96.1	96.1	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 2000		91.2	84.6	93.1	97.7	97.7	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800		91.2	84.6	93.1	97.7	97.7	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500		81.2	84.6	93.5	98.2	98.2	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		81.4	85.1	94.0	98.6	98.6	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: APR HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		23.2	26.0	32.4	36.8	36.9	37.9	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 20000		28.4	31.7	39.5	44.9	45.1	45.5	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000		28.8	32.1	39.9	45.3	45.5	46.9	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 16000		28.8	32.1	39.9	45.4	45.6	46.9	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 14000		29.2	32.5	40.3	45.8	46.0	47.4	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 12000		29.5	32.9	40.8	46.4	46.6	48.0	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 10000		30.9	34.6	42.8	48.6	48.9	50.2	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 9000		31.8	35.6	44.3	50.3	50.6	52.0	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 8000		35.3	39.4	48.5	55.1	55.4	56.8	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000		37.2	41.4	51.1	58.8	59.1	60.5	61.8	61.8	62.3	62.4	62.4	62.4	62.4	62.4	62.4
GE 6000		37.2	41.4	51.2	58.8	59.2	60.6	61.8	61.9	62.4	62.5	62.5	62.5	62.5	62.5	62.5
GE 5000		38.0	42.5	52.5	60.7	61.0	62.5	63.7	63.8	64.3	64.4	64.4	64.4	64.4	64.4	64.4
GE 4500		38.6	43.3	53.5	61.6	61.9	63.5	64.7	64.8	65.2	65.3	65.3	65.3	65.3	65.3	65.3
GE 4000		41.2	46.0	56.6	65.4	65.7	67.2	68.5	68.6	69.1	69.2	69.2	69.2	69.2	69.2	69.2
GE 3500		46.6	51.9	63.5	73.3	73.6	75.2	76.5	76.5	77.1	77.2	77.2	77.2	77.2	77.2	77.2
GE 3000		54.8	60.6	73.9	84.5	84.9	86.5	88.0	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2500		57.6	63.5	77.5	88.3	88.7	90.3	91.9	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000		60.0	66.3	81.1	92.4	92.9	94.8	96.4	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800		60.1	66.4	81.2	92.7	93.1	95.0	96.6	96.8	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500		60.4	66.8	81.9	93.5	94.1	96.1	97.9	98.0	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200		60.5	67.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000		60.5	67.1	82.4	94.0	94.5	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 900		60.5	67.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 800		60.5	67.1	82.4	94.0	94.5	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 700		60.5	67.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 600		60.5	67.1	82.4	94.0	94.5	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 500		60.5	67.1	82.4	94.0	94.5	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 400		60.5	67.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 300		60.5	67.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 200		60.5	67.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 100		60.5	67.1	82.4	94.0	94.6	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 0		60.5	67.1	82.4	94.0	94.5	96.6	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 2233

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	17.6	21.1	28.3	32.2	32.2	32.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 20000	19.4	24.1	32.3	36.6	36.6	37.1	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 18000	19.4	24.1	32.2	36.8	36.8	37.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 16000	19.4	24.1	32.2	36.8	36.8	37.3	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 14000	19.5	24.3	32.9	37.5	37.5	38.0	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 12000	19.9	24.6	33.8	38.4	38.4	38.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 10000	22.0	26.9	36.6	41.2	41.2	41.7	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 9000	23.8	29.6	39.8	44.4	44.4	44.9	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 8000	29.2	36.4	48.3	54.0	54.0	54.6	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 7000	31.5	39.3	52.8	58.1	58.1	58.6	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 6000	31.5	39.3	53.0	58.5	58.5	59.0	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 5000	33.5	41.7	56.5	62.7	62.7	63.2	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4500	34.3	42.6	58.6	65.1	65.1	65.7	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	36.6	45.8	62.7	69.5	69.5	70.1	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	39.8	49.5	68.1	75.4	75.4	75.9	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3000	43.8	54.6	74.8	82.9	83.1	83.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2500	44.2	55.3	76.8	85.4	85.7	86.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 2000	47.4	59.2	82.2	90.8	91.2	92.4	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	47.5	59.3	82.3	91.2	91.5	93.0	94.5	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1500	47.7	59.9	84.3	93.0	93.3	94.7	96.3	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1200	48.1	50.2	84.5	93.7	94.4	95.8	97.5	97.7	98.1	98.1	98.1	98.1	98.1	98.2	98.4	98.4
GE 1000	48.4	50.6	85.3	94.2	94.9	96.3	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.8	98.9	98.9
GE 900	48.4	50.6	85.3	94.2	94.9	96.3	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.8	98.9	98.9
GE 800	48.4	50.6	85.3	94.2	94.9	96.3	98.1	98.2	98.6	98.6	98.6	98.6	98.6	98.8	98.9	98.9
GE 700	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.9	99.1	99.1
GE 600	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.9	99.3	99.5	99.5
GE 500	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.9	99.3	99.5	99.5
GE 400	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.9	99.5	99.6	99.6
GE 300	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.9	99.5	99.6	99.6
GE 200	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.9	99.5	99.8	99.8
GE 100	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.9	99.5	99.8	100.0
GE 0	48.6	50.7	85.2	94.4	95.1	96.5	98.2	98.4	98.8	98.8	98.8	98.8	98.9	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0900-1100

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		18.6	20.9	27.1	29.1	29.1	29.4	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
GE 20000		22.2	24.7	31.9	34.0	34.0	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 18000		22.4	24.8	32.1	34.2	34.2	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 16000		22.4	24.8	32.1	34.2	34.2	34.5	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 14000		22.4	25.0	32.2	34.4	34.4	34.7	34.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 12000		22.5	25.2	33.5	35.7	35.7	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GE 10000		23.8	26.6	36.0	38.2	38.2	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 9000		26.6	29.4	39.3	41.1	41.1	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 8000		32.1	36.5	46.4	49.2	49.3	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 7000		34.5	39.1	49.7	52.5	52.6	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 6000		34.5	39.1	49.7	52.6	52.8	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 5000		36.2	41.0	51.6	54.9	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 4500		37.3	42.3	53.8	57.1	57.2	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 4000		40.3	46.2	58.2	61.7	61.8	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 3500		45.2	51.8	64.8	69.2	69.4	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3000		55.6	62.5	76.3	81.3	81.4	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 2500		58.6	65.5	79.9	85.2	85.4	86.0	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2000		62.0	69.2	85.2	90.8	91.0	91.6	91.8	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800		62.3	69.6	85.9	91.8	91.9	92.6	92.8	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500		64.0	71.5	88.3	93.9	94.1	94.9	95.2	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1200		64.6	72.2	88.7	95.1	95.2	96.4	96.9	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000		65.3	73.2	89.8	96.2	96.4	97.5	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900		65.3	73.2	89.8	96.2	96.4	97.5	98.4	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2
GE 800		65.3	73.2	89.8	96.2	96.4	97.5	98.5	98.7	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 700		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		65.3	73.2	89.8	96.2	96.4	97.5	98.7	98.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD MELZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4
NO CEIL		26.9	27.5	30.3	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
GE 20000		32.2	32.9	36.3	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 18000		32.9	33.6	37.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 16000		32.9	33.6	37.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 14000		32.9	33.6	37.2	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 12000		33.4	34.1	38.2	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 10000		35.1	35.8	39.9	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 9000		37.0	37.7	42.0	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 8000		42.7	43.5	48.7	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 7000		46.1	47.3	53.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 6000		46.3	47.5	57.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 5000		48.5	49.7	56.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 4500		50.3	51.6	58.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 4000		54.0	55.9	63.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 3500		62.1	64.4	72.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000		72.6	75.7	84.2	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500		75.7	79.0	88.0	89.7	89.7	89.7	89.7	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000		80.4	83.6	93.3	95.2	95.2	95.2	95.2	95.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800		90.6	94.0	93.6	95.5	95.5	95.5	95.5	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500		92.8	96.2	95.9	97.8	97.8	97.8	97.8	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200		93.3	96.9	96.7	98.6	98.6	98.6	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000		83.5	87.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		93.5	97.4	97.2	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KRELTZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		31.7	31.7	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 20000			38.6	38.6	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 18000			39.3	39.3	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 16000			39.3	39.3	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 14000			39.3	39.3	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 12000			40.5	40.5	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 10000			42.6	42.6	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 9000			45.0	45.0	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 8000			50.0	51.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 7000			53.8	55.2	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 6000			53.8	55.2	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000			55.0	56.4	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 4500			58.6	60.2	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4000			61.4	63.8	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 3500			67.6	70.0	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3000			78.1	81.0	86.7	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2500			80.7	84.0	90.5	91.2	91.2	91.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 2000			83.8	87.9	94.3	95.5	95.5	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800			83.8	87.9	94.3	95.5	95.5	95.5	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500			85.2	89.8	96.4	97.6	97.6	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200			85.7	90.2	96.9	98.1	98.1	98.1	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000			85.7	91.0	97.6	98.8	98.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900			85.7	91.0	97.6	98.8	98.8	98.8	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0			85.7	91.0	98.1	99.3	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 420

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		16	90	90	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL			23.1	24.8	29.3	31.1	31.1	31.4	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 20000			27.3	29.4	34.9	36.8	36.8	37.1	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 18000			27.7	29.8	35.2	37.3	37.3	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 16000			27.7	29.8	35.2	37.3	37.3	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 14000			27.7	29.9	35.6	37.7	37.7	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 12000			28.2	30.4	36.7	38.8	38.6	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 10000			30.0	32.2	39.0	41.1	41.1	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 9000			32.2	34.7	41.3	43.8	43.8	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 8000			37.6	41.2	49.2	51.6	51.6	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 7000			40.6	44.5	53.3	55.9	55.9	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 6000			40.6	44.5	53.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 5000			42.4	46.5	55.8	58.7	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 4500			44.1	48.3	58.2	61.2	61.2	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4000			47.1	52.1	62.4	65.7	65.8	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 3500			52.6	58.1	69.5	73.3	73.3	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000			61.4	67.5	80.0	84.1	84.2	84.4	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500			63.7	70.0	83.3	87.6	87.7	88.2	88.6	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2000			67.3	74.0	88.3	92.9	93.0	93.5	94.0	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800			67.5	74.3	88.7	93.3	93.5	94.0	94.5	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1500			68.9	75.9	90.7	95.4	95.5	96.1	96.7	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1200			69.4	76.5	91.3	96.2	96.5	97.2	97.8	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000			69.7	77.1	92.1	97.1	97.3	98.0	98.7	98.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2
GE 900			69.7	77.1	92.1	97.1	97.3	98.0	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.4	99.4
GE 800			69.7	77.1	92.1	97.2	97.4	98.1	98.9	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6
GE 700			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.5	99.6	99.6	99.6	99.6	99.7	99.7
GE 600			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.6	99.6	99.7	99.8	99.8	99.8
GE 500			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.7	99.8	99.9	99.9
GE 400			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.7	99.9	99.9	99.9
GE 300			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.7	99.9	99.9	99.9
GE 200			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.7	99.9	100.0	100.0
GE 100			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.7	99.9	100.0	100.0
GE 0			69.7	77.2	92.2	97.2	97.4	98.2	99.0	99.1	99.6	99.7	99.7	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2177

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUN

HOURS(IST): 0600-0900

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 150	GE 90	GE 80	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	19.0	22.5	28.3	35.0	35.1	35.7	36.6	36.7	36.9	36.9	36.9	36.9	36.9	36.9	37.1	37.1
GE 20000		22.5	26.4	33.4	40.9	41.1	41.7	42.7	43.2	43.4	43.6	43.6	43.8	43.9	44.1	44.1	44.1
GE 18000		22.8	26.7	33.7	41.3	41.5	42.0	43.1	43.6	43.8	43.9	43.9	44.1	44.3	44.5	44.5	44.5
GE 16000		22.8	26.7	33.7	41.3	41.5	42.0	43.1	43.6	43.8	43.9	43.9	44.1	44.3	44.5	44.5	44.5
GE 14000		23.4	27.4	34.8	42.5	42.7	43.2	44.3	44.8	45.0	45.2	45.2	45.3	45.5	45.7	45.7	45.7
GE 12000		24.6	28.8	35.9	45.0	45.2	45.7	46.7	47.3	47.5	47.6	47.6	47.8	48.0	48.2	48.2	48.2
GE 10000		26.5	30.6	39.7	48.5	48.7	49.2	50.3	50.8	51.0	51.1	51.1	51.3	51.5	51.7	51.7	51.7
GE 9000		27.8	32.0	41.5	51.1	51.5	52.0	53.1	53.6	53.8	54.0	54.0	54.1	54.3	54.5	54.5	54.5
GE 8000		28.3	32.9	42.1	51.5	51.9	52.4	53.5	54.0	54.2	54.3	54.3	54.5	54.7	54.9	55.0	55.0
GE 7000		33.9	39.7	52.9	65.2	65.6	66.3	67.3	67.8	68.0	68.2	68.2	68.4	68.5	68.7	68.7	68.7
GE 6000		33.9	39.7	52.9	65.2	65.6	66.3	67.3	67.8	68.0	68.2	68.2	68.4	68.5	68.7	68.7	68.7
GE 5000		34.8	40.8	54.3	66.8	67.1	67.8	68.9	69.4	69.6	69.8	69.8	69.9	70.1	70.3	70.3	70.3
GE 4500		35.0	41.3	55.0	67.5	67.8	68.5	69.6	70.1	70.3	70.5	70.5	70.7	70.8	71.0	71.0	71.0
GE 4000		37.3	44.1	58.2	70.7	71.0	71.7	72.8	73.3	73.5	73.6	73.6	73.8	74.0	74.2	74.2	74.2
GE 3500		38.8	46.0	60.6	74.2	74.5	75.4	76.6	77.2	77.3	77.5	77.5	77.7	77.9	78.0	78.0	78.0
GE 3000		45.7	54.8	71.5	86.5	86.6	87.7	89.3	89.8	90.0	90.2	90.2	90.3	90.5	90.7	90.7	90.7
GE 2500		48.2	57.8	74.9	89.8	90.2	91.0	92.6	93.1	93.3	93.5	93.5	93.7	93.8	94.0	94.0	94.0
GE 2000		49.9	59.8	77.0	92.6	93.1	94.0	95.8	96.3	96.5	96.7	96.7	96.8	97.0	97.2	97.2	97.2
GE 1800		50.8	57.6	77.9	93.5	94.0	94.9	96.7	97.2	97.4	97.5	97.5	97.7	97.9	98.1	98.1	98.1
GE 1600		51.1	51.0	78.4	94.0	94.6	95.4	97.2	97.7	97.9	98.1	98.1	98.2	98.4	98.6	98.6	98.6
GE 1400		51.5	51.3	78.7	94.4	94.9	95.8	97.5	98.1	98.2	98.4	98.4	98.6	98.8	98.9	98.9	98.9
GE 1200		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 1000		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 900		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 800		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 700		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 600		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 500		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 400		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 300		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 200		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 100		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5
GE 0		51.5	51.3	78.7	94.4	94.9	95.8	97.7	98.2	98.8	98.9	98.9	99.1	99.3	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 559

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	GT 160	VISIBILITY IN HUNDREDS OF METERS														
		GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		20.8	23.1	29.3	31.9	32.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
GE 20000		26.2	29.3	36.7	39.8	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 18000		26.4	29.5	35.3	39.9	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 16000		26.4	29.5	37.0	40.1	40.6	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 14000		27.0	30.3	38.0	41.1	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 12000		29.0	32.6	40.4	43.5	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 10000		32.6	36.3	44.4	47.5	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 9000		33.2	37.0	45.5	48.8	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 8000		38.6	43.0	53.4	57.3	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 7000		41.2	45.7	56.5	60.6	61.4	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000		41.2	45.7	56.5	60.7	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 5000		42.2	47.0	58.1	62.7	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4500		43.2	48.0	59.1	63.7	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 4000		48.1	53.5	65.1	69.7	70.7	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500		50.9	56.5	68.6	73.6	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3000		62.7	68.9	81.2	87.4	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500		66.1	72.5	84.9	91.5	92.6	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000		68.6	75.1	88.1	94.9	96.1	96.6	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800		68.6	75.1	88.1	94.9	96.1	96.6	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500		69.2	75.9	89.0	95.9	97.1	97.5	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200		69.4	76.1	89.4	96.2	97.4	97.9	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000		69.6	76.4	89.9	96.9	98.0	98.5	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900		69.6	76.4	89.9	96.9	98.0	98.5	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		69.6	76.4	89.9	96.9	98.0	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		23.0	24.0	26.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 20000		30.4	31.6	33.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 18000		30.4	31.6	33.7	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 16000		30.4	31.6	33.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 14000		30.8	32.0	34.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 12000		32.1	33.3	35.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
GE 10000		33.7	34.9	37.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 9000		37.6	38.8	41.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 8000		45.2	47.4	51.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 7000		48.6	50.9	54.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 6000		48.6	50.9	54.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 5000		50.5	52.7	57.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4500		51.5	53.7	58.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 4000		58.5	61.2	65.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 3500		66.0	68.9	74.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000		78.6	82.7	88.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2500		82.8	87.1	93.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000		84.5	88.8	95.2	98.3	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800		84.7	88.9	95.4	98.5	98.5	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500		85.4	89.6	96.1	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		85.9	90.1	96.6	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 538

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		26.3	26.5	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
GE 20000		37.0	37.2	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 18000		37.2	37.5	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 16000		37.2	37.5	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
GE 14000		37.2	37.5	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 12000		38.7	38.9	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 10000		39.9	40.3	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 9000		41.5	42.2	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 8000		50.6	52.3	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 7000		54.9	56.6	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 6000		55.1	56.8	59.9	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000		58.7	60.4	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 4500		60.4	62.1	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4000		67.5	69.2	72.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3500		75.2	76.8	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3000		87.6	89.3	92.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500		90.5	92.1	95.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000		92.8	95.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800		92.8	95.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500		92.8	95.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200		92.8	95.0	98.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		92.8	95.0	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		92.8	95.0	98.3	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: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 63	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I		21.9	23.8	27.9	30.7	30.9	31.1	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.5	31.5
GE 20000	I		28.4	30.7	35.4	38.5	38.7	39.0	39.2	39.4	39.4	39.5	39.5	39.5	39.6	39.6	39.6
GE 18000	I		28.6	30.9	35.6	38.7	38.9	39.1	39.4	39.6	39.6	39.6	39.6	39.7	39.7	39.8	39.8
GE 16000	I		28.6	30.9	35.7	38.8	39.0	39.2	39.5	39.6	39.7	39.7	39.7	39.8	39.8	39.9	39.9
GE 14000	I		29.0	31.4	36.4	39.6	39.8	40.0	40.3	40.4	40.5	40.5	40.5	40.6	40.6	40.6	40.6
GE 12000	I		30.6	33.0	38.3	41.6	41.8	42.0	42.3	42.4	42.5	42.5	42.5	42.6	42.6	42.7	42.7
GE 10000	I		32.7	35.3	40.8	44.3	44.5	44.7	45.0	45.1	45.2	45.2	45.2	45.3	45.3	45.4	45.4
GE 9000	I		34.6	37.2	43.0	46.9	47.1	47.3	47.6	47.7	47.8	47.8	47.8	47.9	47.9	48.0	48.0
GE 8000	I		41.1	44.6	52.2	56.7	56.9	57.2	57.5	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9
GE 7000	I		43.9	47.6	55.7	60.8	61.1	61.4	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0
GE 6000	I		44.0	47.6	55.9	60.9	61.2	61.5	61.8	61.9	62.0	62.0	62.0	62.0	62.1	62.1	62.1
GE 5000	I		45.7	49.5	57.8	63.1	63.4	63.6	64.0	64.1	64.2	64.2	64.2	64.2	64.3	64.3	64.3
GE 4500	I		46.6	50.5	58.9	64.1	64.4	64.7	65.0	65.2	65.2	65.2	65.2	65.3	65.3	65.4	65.4
GE 4000	I		51.8	56.1	64.9	70.1	70.4	70.7	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.4	71.4
GE 3500	I		56.5	61.0	70.1	75.8	76.2	76.5	76.9	77.0	77.0	77.1	77.1	77.1	77.2	77.2	77.2
GE 3000	I		67.3	72.8	82.7	89.3	89.7	90.0	90.5	90.6	90.7	90.7	90.7	90.8	90.8	90.9	90.9
GE 2500	I		70.6	76.4	86.6	93.2	93.6	94.0	94.5	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8
GE 2000	I		72.7	78.6	89.1	96.1	96.6	96.9	97.6	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
GE 1800	I		72.9	78.9	89.3	96.4	96.8	97.2	97.9	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4
GE 1500	I		73.4	79.4	89.9	97.0	97.4	97.8	98.4	98.7	98.8	98.9	98.9	98.9	98.9	99.0	99.0
GE 1200	I		73.7	79.7	90.3	97.3	97.8	98.2	98.9	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4
GE 1000	I		73.7	79.7	90.4	97.6	98.0	98.4	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8
GE 900	I		73.7	79.7	90.4	97.6	98.0	98.4	99.1	99.4	99.6	99.6	99.6	99.7	99.7	99.8	99.8
GE 800	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9
GE 700	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9
GE 600	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9
GE 500	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.7	99.7	99.8	99.9	99.9	99.9
GE 400	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 300	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0
GE 0	I		73.7	79.7	90.4	97.6	98.0	98.4	99.2	99.5	99.7	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 2197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	17.9	21.4	30.4	36.7	37.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.5
GE 20000	19.6	23.8	34.3	41.1	42.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4
GE 18000	19.6	23.8	34.3	41.1	42.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4
GE 16000	19.6	23.8	34.3	41.1	42.3	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.4
GE 14000	19.6	24.0	34.5	41.3	42.5	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6
GE 12000	20.4	24.8	35.5	42.9	44.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.2
GE 10000	23.4	28.4	39.7	47.4	48.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.4
GE 9000	24.4	29.8	41.5	49.2	50.6	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6
GE 8000	27.6	33.7	46.0	55.4	56.9	59.5	59.9	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.3
GE 7000	29.4	36.1	48.8	58.3	59.9	62.5	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 6000	29.4	36.1	48.8	58.3	59.9	62.5	62.9	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 5000	30.0	36.9	50.6	60.3	61.9	64.7	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5
GE 4500	31.9	38.9	54.0	63.7	65.3	68.1	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
GE 4000	34.9	43.5	59.7	69.6	71.4	74.2	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.2
GE 3500	38.9	48.6	66.1	76.8	78.6	81.5	82.1	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
GE 3000	41.9	52.8	71.5	83.1	84.9	88.5	89.3	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.9
GE 2500	44.2	56.0	76.0	88.7	90.5	94.0	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.4
GE 2000	45.4	57.5	77.6	90.3	92.5	96.4	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.0
GE 1800	45.4	57.5	77.6	90.3	92.5	96.4	97.2	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.0
GE 1500	45.4	57.5	77.6	90.5	92.9	96.8	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.6
GE 1200	45.4	57.5	77.6	90.5	92.9	96.8	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8
GE 1000	45.4	57.5	77.6	90.5	92.9	96.8	97.8	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	99.0
GE 900	45.4	57.5	77.6	90.5	92.9	96.8	97.8	98.0	98.4	98.6	98.6	98.6	98.6	98.6	98.6	99.0
GE 800	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.2
GE 700	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.6
GE 600	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.4	99.8
GE 500	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.6	100.0
GE 400	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.6	100.0
GE 300	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.6	100.0
GE 200	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.6	100.0
GE 100	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.6	100.0
GE 0	45.4	57.5	77.6	90.5	92.9	96.8	98.0	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 524

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KRELNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		21.3	24.3	31.8	35.7	35.8	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 20000		25.0	28.5	36.4	41.7	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 18000		25.4	28.9	36.8	42.1	42.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 16000		25.4	28.9	36.8	42.1	42.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 14000		25.4	28.9	36.8	42.1	42.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 12000		25.7	29.2	37.3	42.6	42.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 10000		28.1	32.0	40.6	46.9	47.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 9000		29.4	33.5	42.1	48.7	49.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 8000		35.1	39.5	49.3	56.4	57.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 7000		38.1	42.5	53.1	60.7	61.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 6000		38.1	42.5	53.1	60.7	61.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 5000		39.5	44.1	55.0	62.7	63.6	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4500		40.8	45.4	57.0	64.9	65.8	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4000		47.1	52.4	64.7	73.2	74.1	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3500		52.2	58.6	71.0	79.8	80.7	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 3000		57.5	64.3	76.8	86.2	87.1	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500		60.7	68.0	81.3	91.7	92.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2000		61.8	69.5	82.7	93.6	94.5	96.5	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800		62.1	69.9	83.1	93.9	94.9	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500		62.5	70.4	83.3	94.7	95.6	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200		62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000		62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900		62.5	70.4	84.0	95.0	96.0	98.2	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3
GE 800		62.5	70.4	84.0	95.0	96.0	98.2	98.5	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		62.5	70.4	84.0	95.0	96.0	98.2	98.7	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 544

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		24.3	25.1	29.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 20000		28.9	30.0	35.3	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 18000		29.2	30.4	35.7	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 16000		29.2	30.4	35.7	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 14000		29.4	30.6	35.8	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 12000		30.4	31.5	37.0	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 10000		33.2	34.9	40.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 9000		35.1	36.8	43.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 8000		42.3	44.2	50.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 7000		45.3	47.4	54.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 6000		45.3	47.4	54.0	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 5000		46.2	48.3	54.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 4500		47.9	50.0	56.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 4000		57.2	59.2	66.6	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 3500		65.1	67.2	75.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3000		74.2	76.4	85.1	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500		79.4	81.9	90.6	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000		80.0	82.5	91.5	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800		80.2	82.6	91.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1500		80.6	83.0	92.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200		80.6	83.0	92.3	98.9	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		80.9	83.4	92.6	99.2	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 530

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAO KREUZVACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	29.8	32.1	33.4	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 20000	36.0	39.2	41.0	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 18000	37.1	40.2	42.0	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 16000	37.1	40.2	42.0	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 14000	37.1	40.2	42.0	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 12000	38.9	42.3	44.1	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 10000	42.3	45.7	47.8	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 9000	45.2	48.8	50.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 8000	52.0	55.6	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 7000	57.2	60.8	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	57.2	60.8	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 5000	59.3	62.9	65.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	61.6	65.3	67.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4000	69.2	73.6	76.0	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3500	73.6	78.1	81.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3000	80.9	85.6	90.1	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2500	84.1	88.8	93.2	96.1	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	85.4	90.1	95.0	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	85.4	90.1	95.0	97.9	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	85.4	90.1	95.0	98.4	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	85.4	90.1	95.0	99.0	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.6	90.6	95.5	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 383

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 79-87
MONTH: JUL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		22.9	25.3	31.1	34.7	34.9	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.8
GE 20000		26.8	29.8	36.5	40.8	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 18000		27.2	30.2	36.9	41.2	41.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 16000		27.2	30.2	36.9	41.2	41.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 14000		27.3	30.3	37.0	41.3	41.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 12000		28.2	31.3	38.1	42.6	43.0	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 10000		31.1	34.5	41.9	46.8	47.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 9000		32.7	36.4	43.9	49.0	49.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
GE 8000		36.4	42.4	50.5	56.3	57.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
GE 7000		41.5	45.7	54.2	60.2	60.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 6000		41.5	45.7	54.2	60.2	60.9	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 5000		42.7	47.1	55.8	61.9	62.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0
GE 4500		44.5	48.9	58.2	64.4	65.1	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000		51.0	56.1	66.1	72.8	73.6	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.1
GE 3500		56.5	62.2	72.9	80.0	80.7	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
GE 3000		62.6	68.8	80.3	88.0	88.8	90.2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.7
GE 2500		66.1	72.7	84.8	93.1	93.8	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8
GE 2000		67.1	73.9	85.2	94.6	95.5	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.7
GE 1800		67.3	74.1	86.3	94.8	95.7	97.3	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9
GE 1500		67.5	74.3	86.6	95.4	96.3	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 1200		67.5	74.3	86.7	95.7	96.6	98.3	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 1000		67.6	74.6	86.9	95.9	96.8	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 900		67.6	74.6	86.9	95.9	96.8	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5
GE 800		67.6	74.6	86.9	95.9	96.8	98.5	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.7
GE 700		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 600		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.9
GE 500		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
GE 400		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
GE 300		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
GE 200		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
GE 100		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0
GE 0		67.6	74.6	86.9	95.9	96.8	98.5	99.1	99.2	99.7	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 1951

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		17.4	21.6	30.0	41.9	43.0	44.0	44.7	44.9	45.3	45.3	45.3	45.3	45.8	45.8	46.0
GE 20000		20.4	25.3	34.4	46.7	47.7	48.9	50.0	50.2	50.5	50.5	50.5	50.7	51.2	51.2	51.4
GE 18000		20.5	25.4	34.7	47.0	48.1	49.3	50.4	50.5	50.9	50.9	50.9	51.1	51.6	51.6	51.8
GE 16000		20.5	25.4	34.7	47.0	48.1	49.3	50.4	50.5	50.9	50.9	50.9	51.1	51.6	51.6	51.8
GE 14000		20.7	25.6	34.9	47.2	48.2	49.5	50.5	50.7	51.1	51.1	51.1	51.2	51.8	51.8	51.9
GE 12000		21.9	27.2	36.5	48.8	49.8	51.1	52.1	52.3	52.6	52.6	52.6	52.8	53.3	53.3	53.5
GE 10000		23.5	28.8	38.6	51.6	52.6	53.9	55.4	55.6	56.0	56.0	56.1	56.3	56.8	56.8	57.0
GE 9000		24.0	29.5	39.6	52.6	53.7	54.9	56.5	56.7	57.0	57.0	57.2	57.4	57.9	57.9	58.1
GE 8000		27.9	34.6	46.7	61.1	62.3	63.5	65.6	66.0	66.5	66.5	66.7	66.8	67.4	67.4	67.5
GE 7000		28.9	36.0	49.1	63.7	64.9	66.1	68.4	68.8	69.3	69.3	69.5	69.6	70.2	70.2	70.4
GE 6000		28.9	36.0	49.1	63.7	64.9	66.1	68.4	68.8	69.3	69.3	69.5	69.6	70.2	70.2	70.4
GE 5000		30.4	37.9	51.1	66.0	67.2	68.4	70.7	71.1	71.6	71.6	71.8	71.9	72.5	72.5	72.6
GE 4500		31.4	39.1	53.0	68.1	69.3	70.5	72.8	73.2	73.7	73.7	73.9	74.0	74.6	74.6	74.7
GE 4000		33.3	41.4	56.3	72.3	73.5	74.9	77.2	77.5	78.1	78.1	78.2	78.4	78.9	78.9	79.1
GE 3500		35.3	43.9	59.8	76.5	77.7	79.1	81.4	81.8	82.3	82.3	82.5	82.6	83.2	83.2	83.3
GE 3000		37.7	47.0	63.9	82.3	83.9	85.4	87.7	88.4	89.3	89.3	89.5	89.8	90.4	90.4	90.7
GE 2500		38.1	47.4	64.4	83.3	84.9	86.5	88.8	89.5	90.4	90.4	90.5	90.9	91.4	91.4	91.8
GE 2000		39.3	48.6	65.8	84.7	86.3	88.2	91.1	91.8	92.6	92.6	92.8	93.2	93.7	93.7	94.0
GE 1800		39.3	48.6	66.0	84.9	86.5	88.4	91.6	92.3	93.2	93.2	93.3	93.7	94.2	94.2	94.6
GE 1500		39.3	48.6	66.0	85.1	86.8	88.9	92.1	92.8	93.9	93.9	94.0	94.4	94.9	94.9	95.3
GE 1200		39.3	48.6	66.0	85.1	86.8	88.9	92.1	93.0	94.0	94.2	94.4	94.7	95.3	95.3	95.6
GE 1000		39.3	48.6	66.3	85.4	87.2	89.3	92.5	93.3	94.6	94.7	94.9	95.3	96.0	96.0	96.3
GE 900		39.3	48.6	66.3	85.4	87.2	89.3	92.5	93.3	94.6	94.7	94.9	95.3	96.1	96.1	96.5
GE 800		39.5	48.8	66.5	85.6	87.4	89.5	92.6	93.5	94.7	94.9	95.1	95.4	96.3	96.3	96.7
GE 700		39.5	48.8	66.5	85.6	87.4	89.5	92.8	93.7	94.9	95.1	95.3	95.6	96.7	96.7	97.0
GE 600		39.5	48.8	66.5	85.6	87.4	89.5	92.8	93.7	94.9	95.1	95.3	95.6	96.7	96.7	97.2
GE 500		39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.2	97.4	97.9
GE 400		39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	99.3
GE 300		39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	99.8
GE 200		39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	100.0
GE 100		39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	100.0
GE 0		39.5	48.8	66.5	85.6	87.4	89.5	93.0	93.9	95.4	95.6	95.8	96.1	97.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 570

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZBACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I		23.1	27.2	38.5	43.4	44.4	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 20000	I		27.5	32.4	44.5	49.9	50.9	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	I		27.5	32.4	44.5	49.9	50.9	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 16000	I		27.5	32.4	44.5	49.9	50.9	51.9	52.0	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 14000	I		27.8	32.9	45.0	50.4	51.4	52.4	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 12000	I		29.0	34.0	46.2	51.7	52.7	53.7	53.8	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	I		30.6	36.0	48.4	54.3	55.3	56.5	56.8	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 9000	I		32.6	38.0	50.6	56.6	57.6	58.8	59.1	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	I		36.1	44.0	58.6	65.8	66.6	67.9	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	I		39.1	45.2	59.9	67.6	68.6	69.9	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 6000	I		39.1	45.2	59.9	67.6	68.6	69.9	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 5000	I		39.8	46.0	61.0	69.4	70.4	71.7	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4500	I		40.6	47.1	62.5	71.2	72.2	73.5	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4000	I		43.4	50.2	66.1	75.3	76.3	77.7	78.1	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 3500	I		48.8	55.6	71.5	81.2	82.2	83.8	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3000	I		53.8	60.7	78.5	87.9	88.9	90.8	91.3	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2500	I		55.3	62.2	80.0	89.4	91.0	93.0	93.8	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	I		56.5	63.3	81.7	92.0	93.6	95.6	96.6	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	I		56.6	63.5	81.8	92.3	93.9	95.9	96.9	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	I		57.0	63.8	82.5	93.1	94.6	96.7	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	I		57.0	63.8	82.5	93.1	94.6	96.7	97.7	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	I		57.0	63.8	82.7	93.5	95.1	97.1	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	I		57.0	63.8	82.7	93.5	95.1	97.2	98.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	I		57.0	63.8	82.7	93.5	95.1	97.2	98.4	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	I		57.0	63.8	82.7	93.5	95.1	97.4	98.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	I		57.0	63.8	82.7	93.5	95.1	97.4	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	I		57.0	63.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	I		57.0	63.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	I		57.0	63.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	I		57.0	63.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	I		57.0	63.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	DI		57.0	63.8	82.7	93.5	95.1	97.4	98.9	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		25.0	29.1	34.5	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000		33.4	37.8	43.7	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 18000		33.8	38.3	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 16000		33.8	38.3	44.2	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 14000		33.9	38.5	44.4	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 12000		35.0	39.7	45.5	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000		37.8	42.5	48.7	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 9000		39.7	44.4	50.5	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 8000		45.9	50.8	58.7	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 7000		47.7	52.6	60.5	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 6000		47.7	52.6	60.5	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 5000		50.6	55.5	63.7	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 4500		52.1	57.1	65.4	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 4000		58.2	63.4	71.8	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3500		66.2	71.4	81.0	83.0	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3000		75.0	80.7	91.9	94.5	94.5	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500		77.1	82.9	94.1	97.0	97.3	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000		77.6	83.5	94.8	98.3	98.3	98.7	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800		77.6	83.5	94.8	98.3	98.3	98.7	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		78.0	84.0	95.3	98.8	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 79-87
MONTH: AUG HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 50	GE 49	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		31.1	32.7	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 20000	1		39.3	41.2	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 16000	1		39.8	41.6	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 14000	1		39.6	41.6	44.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 12000	1		39.8	41.9	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 10000	1		42.8	44.9	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 8000	1		45.9	48.0	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 6000	1		48.2	50.4	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 4000	1		57.2	59.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 2000	1		60.0	62.1	66.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 0000	1		60.0	62.1	66.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 5000	1		62.6	64.7	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4500	1		63.8	65.9	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4000	1		69.4	72.5	77.9	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	1		76.9	80.0	86.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 3000	1		85.2	88.7	95.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2500	1		96.4	99.9	96.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	1		97.8	91.5	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 425

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KRELTZVACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(1ST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 150	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	I	23.7	27.3	34.6	39.2	39.6	40.3	40.5	40.6	40.7	40.7	40.7	40.7	40.8	40.8	40.9	
GE 20000	I	29.5	33.7	41.7	46.6	47.2	47.8	48.1	48.2	48.3	48.3	48.3	48.3	48.5	48.5	48.5	
GE 18000	I	29.8	34.0	42.0	46.9	47.5	48.1	48.4	48.5	48.6	48.6	48.6	48.6	48.7	48.8	48.8	
GE 16000	I	29.8	34.0	42.0	46.9	47.5	48.1	48.4	48.5	48.6	48.6	48.6	48.6	48.7	48.8	48.8	
GE 14000	I	29.9	34.3	42.3	47.2	47.8	48.3	48.7	48.8	48.9	48.9	48.9	48.9	49.1	49.1	49.1	
GE 12000	I	31.4	35.9	43.9	48.9	49.4	50.0	50.3	50.4	50.6	50.6	50.6	50.6	50.7	50.7	50.8	
GE 10000	I	33.7	38.2	46.5	51.8	52.4	53.0	53.5	53.6	53.7	53.7	53.8	53.8	54.0	54.0	54.0	
GE 9000	I	35.3	39.9	48.3	53.7	54.2	54.9	55.4	55.5	55.6	55.6	55.7	55.7	55.8	55.8	55.9	
GE 8000	I	41.3	46.3	56.5	62.8	63.4	64.1	64.7	64.9	65.1	65.1	65.1	65.2	65.3	65.3	65.3	
GE 7000	I	42.8	48.1	58.5	65.1	65.7	66.4	67.1	67.2	67.4	67.4	67.4	67.4	67.5	67.6	67.6	
GE 6000	I	42.8	48.1	58.5	65.1	65.7	66.4	67.1	67.2	67.4	67.4	67.4	67.4	67.5	67.6	67.6	
GE 5000	I	44.7	50.1	60.3	67.5	68.1	68.8	69.5	69.7	69.8	69.8	69.9	69.9	70.1	70.1	70.1	
GE 4500	I	45.8	51.4	62.4	69.2	69.8	70.6	71.2	71.4	71.6	71.6	71.6	71.6	71.8	71.8	71.8	
GE 4000	I	49.8	55.8	67.4	74.7	75.3	76.1	76.8	77.0	77.1	77.1	77.2	77.2	77.4	77.4	77.4	
GE 3500	I	55.4	61.6	74.0	81.7	82.3	83.3	84.0	84.1	84.3	84.3	84.4	84.4	84.6	84.6	84.6	
GE 3000	I	61.4	68.0	81.5	89.9	90.6	91.7	92.5	92.7	93.0	93.0	93.0	93.0	93.1	93.3	93.3	
GE 2500	I	62.7	69.3	83.0	91.5	92.5	93.5	94.4	94.7	95.0	95.0	95.0	95.0	95.1	95.3	95.3	
GE 2000	I	63.8	70.4	84.3	93.4	94.3	95.5	96.5	97.0	97.3	97.3	97.3	97.3	97.4	97.5	97.5	
GE 1800	I	63.8	70.5	84.4	93.5	94.5	95.6	96.8	97.2	97.5	97.5	97.5	97.5	97.6	97.8	97.8	
GE 1500	I	64.0	70.7	84.7	93.9	94.9	96.1	97.3	97.7	98.0	98.0	98.1	98.2	98.3	98.3	98.4	
GE 1200	I	64.0	70.7	84.7	93.9	94.9	96.1	97.3	97.7	98.1	98.2	98.2	98.2	98.3	98.5	98.5	
GE 1000	I	64.0	70.7	84.8	94.1	95.1	96.3	97.5	97.9	98.4	98.4	98.5	98.5	98.5	98.7	98.7	
GE 900	I	64.0	70.7	84.8	94.1	95.1	96.4	97.5	98.0	98.4	98.5	98.5	98.5	98.6	98.8	98.8	
GE 800	I	64.1	70.7	84.9	94.1	95.1	96.4	97.6	98.0	98.5	98.5	98.6	98.6	98.7	98.9	98.9	
GE 700	I	64.1	70.7	84.9	94.1	95.1	96.5	97.7	98.1	98.6	98.6	98.7	98.7	98.8	99.0	99.0	
GE 600	I	64.1	70.7	84.9	94.1	95.1	96.5	97.7	98.2	98.6	98.6	98.7	98.7	98.8	99.1	99.1	
GE 500	I	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.8	98.9	98.9	99.0	99.3	99.3	
GE 400	I	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.8	98.9	98.9	99.0	99.4	99.5	
GE 300	I	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.8	98.9	98.9	99.0	99.4	99.5	100.0
GE 200	I	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.8	98.9	98.9	99.0	99.4	99.5	100.0
GE 100	I	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.8	98.9	98.9	99.0	99.4	99.5	100.0
GE 0	I	64.1	70.7	84.9	94.1	95.1	96.5	97.8	98.3	98.8	98.8	98.9	98.9	99.0	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 2231

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS (LST): 0600-0900

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		15.5	18.9	30.3	37.5	38.4	40.3	41.1	41.1	42.0	42.5	42.5	42.7	43.2	43.7	43.9
GE 20000		16.7	20.8	33.9	41.8	42.7	44.9	46.1	46.3	47.3	47.7	47.7	48.0	48.7	49.2	49.4
GE 18000		16.7	20.8	33.9	41.8	42.7	44.9	46.1	46.3	47.3	47.7	47.7	48.0	48.7	49.2	49.4
GE 16000		16.7	20.8	33.9	41.8	42.7	44.9	46.1	46.3	47.3	47.7	47.7	48.0	48.7	49.2	49.4
GE 14000		16.9	21.2	34.4	42.2	43.2	45.3	46.5	46.8	47.7	48.2	48.2	48.4	49.2	49.6	49.9
GE 12000		17.9	22.2	35.3	43.2	44.2	46.3	47.5	47.7	48.7	49.2	49.2	49.4	50.4	50.8	51.1
GE 10000		19.3	23.6	37.7	45.6	46.5	48.9	50.1	50.4	51.3	51.8	51.8	52.0	53.0	53.5	53.7
GE 9000		20.0	24.3	38.4	46.5	47.5	49.9	51.3	51.6	52.5	53.0	53.0	53.2	54.2	54.7	54.9
GE 8000		22.7	28.2	43.4	52.5	52.7	56.1	57.5	57.8	58.7	59.2	59.2	59.4	60.4	60.9	61.1
GE 7000		24.1	29.8	46.1	55.6	57.3	59.9	61.6	61.8	63.2	63.7	63.7	64.0	64.9	65.4	65.6
GE 6000		24.1	29.8	46.1	55.6	57.3	59.9	61.6	61.8	63.2	63.7	63.7	64.0	64.9	65.4	65.6
GE 5000		24.3	30.1	46.3	57.0	58.7	61.3	63.2	63.5	64.9	65.4	65.4	65.6	66.6	67.1	67.3
GE 4500		24.8	30.5	47.5	58.2	59.9	62.5	64.4	64.7	66.1	66.6	66.6	66.8	67.8	68.3	68.5
GE 4000		28.6	34.6	53.5	64.9	66.6	69.2	71.1	71.4	72.8	73.3	73.3	73.5	74.5	74.9	75.2
GE 3500		31.7	37.7	57.3	69.0	71.4	74.5	76.6	76.8	78.3	78.8	78.8	79.0	80.0	80.4	80.7
GE 3000		35.3	41.5	61.3	74.5	77.3	81.4	84.0	84.5	86.2	86.6	86.6	86.9	87.8	88.3	88.5
GE 2500		36.5	43.0	63.0	76.1	79.2	84.2	87.1	87.6	89.3	89.7	89.7	90.0	90.9	91.4	91.6
GE 2000		37.9	44.6	65.2	78.3	81.4	86.4	89.3	89.7	91.4	91.9	91.9	92.1	93.1	93.6	93.8
GE 1800		37.9	44.6	65.2	78.3	81.4	86.4	89.3	89.7	91.4	91.9	91.9	92.1	93.1	93.6	93.8
GE 1500		38.2	44.9	65.9	79.2	82.3	87.6	90.5	90.9	92.8	93.3	93.3	93.6	94.5	95.0	95.2
GE 1200		38.4	45.1	66.1	79.5	82.6	87.8	90.9	91.4	93.3	93.8	94.0	94.3	95.2	95.7	95.9
GE 1000		38.4	45.1	66.1	79.5	82.6	87.8	90.9	91.4	93.6	94.0	94.3	94.5	95.5	95.9	96.2
GE 900		38.4	45.1	66.1	79.5	82.6	87.8	90.9	91.4	93.6	94.0	94.3	94.5	95.5	95.9	96.2
GE 800		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	93.8	94.3	94.5	94.7	95.9	96.4	96.7
GE 700		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	93.8	94.3	94.5	94.7	95.9	96.4	96.7
GE 600		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.0	94.5	94.7	95.0	96.2	96.7	96.9
GE 500		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.7	97.6	98.6
GE 400		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.7	97.6	98.6
GE 300		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	97.9	98.8
GE 200		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	98.3	99.5
GE 100		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	98.3	99.8
GE 0		38.4	45.1	66.1	79.7	82.8	88.1	91.2	91.6	94.3	94.7	95.0	95.2	96.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 419

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL			18.6	22.0	31.0	35.9	37.0	38.9	40.0	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 20000			21.4	24.8	35.3	41.0	42.1	44.2	45.5	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 18000			21.4	24.8	35.3	41.0	42.1	44.4	45.7	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 16000			21.4	24.3	35.3	41.0	42.1	44.4	45.7	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 14000			22.2	25.6	36.1	41.9	42.9	45.5	46.8	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 12000			24.1	27.6	38.7	44.4	45.5	48.1	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 10000			25.4	28.8	41.0	47.4	48.5	51.1	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 9000			25.6	29.1	41.7	48.5	49.6	52.1	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 8000			29.3	32.9	46.2	54.5	56.0	59.0	60.3	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 7000			30.8	34.4	48.3	58.3	60.3	63.7	65.4	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 6000			30.8	34.4	48.3	58.3	60.3	63.7	65.4	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 5000			31.2	34.8	49.1	59.2	61.1	64.5	66.2	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 4500			31.2	34.8	49.6	59.6	61.5	65.0	66.7	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4000			36.3	40.0	55.3	66.0	68.2	71.6	73.3	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3500			41.0	45.3	61.1	71.4	73.7	77.1	78.8	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3000			47.6	52.1	68.5	79.7	82.5	87.0	89.1	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500			49.8	54.5	71.2	82.3	85.0	90.0	92.5	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2000			50.2	54.9	71.5	82.7	85.5	90.4	92.9	93.6	94.7	94.7	94.7	94.9	95.1	95.1	95.1
GE 1800			50.6	55.3	72.0	83.1	85.9	90.8	93.4	94.0	95.1	95.1	95.1	95.3	95.5	95.5	95.5
GE 1500			50.9	56.0	72.9	84.0	86.8	91.7	94.2	94.9	96.2	96.2	96.2	96.4	96.6	96.6	96.6
GE 1200			51.1	56.2	73.1	84.4	87.4	92.5	95.3	95.9	97.2	97.2	97.2	97.4	97.6	97.6	97.6
GE 1000			51.3	56.4	73.3	84.6	87.6	92.7	95.7	96.4	97.6	97.6	97.6	97.9	98.1	98.1	98.1
GE 900			51.3	56.4	73.3	84.6	87.5	92.7	95.7	96.4	97.6	97.6	97.6	97.9	98.1	98.3	98.3
GE 800			51.3	56.4	73.3	84.8	87.5	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.5	98.7
GE 700			51.3	56.4	73.3	84.8	87.5	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.5	98.7
GE 600			51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.5	98.9
GE 500			51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.7	99.1
GE 400			51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.7	99.6
GE 300			51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.7	99.6
GE 200			51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.7	99.6
GE 100			51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.7	99.6
GE 0			51.3	56.4	73.3	84.8	87.8	92.9	95.9	96.6	97.9	97.9	97.9	98.1	98.3	98.7	99.6

TOTAL NUMBER OF OBSERVATIONS: 458

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 79-87
MONTH: SEP HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	63	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL		22.8	24.9	32.1	36.7	36.9	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 20000		27.8	29.9	37.7	42.7	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 18000		27.8	29.9	37.7	42.7	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 16000		27.8	29.9	37.7	42.7	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 14000		28.0	30.2	38.0	43.0	43.2	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 12000		28.6	30.8	38.6	43.6	43.8	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 10000		30.2	32.5	41.0	46.2	46.4	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 9000		31.0	33.4	42.1	47.3	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 8000		36.4	39.0	49.5	54.9	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 7000		38.6	41.4	52.5	58.6	59.0	59.2	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 6000		38.8	41.6	52.7	59.0	59.4	60.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 5000		40.3	43.2	54.4	60.7	61.2	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500		41.2	44.3	55.7	62.0	62.5	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 4000		47.5	50.5	62.5	68.8	69.2	69.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500		56.2	59.2	72.2	78.5	79.0	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3000		64.6	67.9	82.0	88.9	89.6	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500		68.1	71.4	85.7	92.8	93.5	94.8	95.4	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000		68.8	72.2	85.5	93.7	94.4	95.7	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800		69.2	72.7	87.0	94.1	94.8	96.1	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500		69.4	72.9	87.6	94.6	95.7	97.0	97.8	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200		69.8	73.3	88.3	95.4	96.3	97.6	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000		69.8	73.3	88.3	95.4	96.3	97.6	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900		69.8	73.3	88.3	95.4	96.3	97.6	98.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800		69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700		69.6	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600		69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		69.6	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		69.8	73.3	88.3	95.7	96.5	97.8	98.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 461

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			31.1	32.9	38.1	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 20000			35.6	37.5	43.5	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 18000			36.0	37.8	43.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 16000			36.0	37.8	43.8	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 14000			36.0	37.8	43.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 12000			37.5	39.3	45.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 10000			39.3	41.7	47.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 9000			41.4	43.8	49.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 8000			46.5	49.5	57.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 7000			48.6	51.7	61.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 6000			48.6	51.7	61.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 5000			49.5	52.6	62.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4500			50.8	53.8	63.7	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 4000			57.4	60.4	71.5	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3500			65.0	68.0	79.5	81.9	81.9	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 3000			74.6	78.5	90.5	93.1	93.1	93.4	93.4	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500			77.6	81.9	94.5	97.6	97.6	98.2	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000			78.2	82.5	95.2	98.2	98.2	98.8	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800			78.2	82.5	95.2	98.2	98.2	98.8	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500			78.2	82.5	95.5	98.5	98.5	99.1	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE			78.2	82.5	95.8	98.8	98.8	99.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 331

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): ALL

CEILING IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		21.4	24.2	32.5	37.3	37.9	39.0	39.5	39.5	39.8	40.0	40.0	40.0	40.1	40.3	40.3
GE 20000		24.8	27.7	37.2	42.5	43.1	44.3	45.0	45.1	45.4	45.6	45.6	45.6	45.8	45.9	46.0
GE 18000		24.8	27.8	37.3	42.6	43.2	44.4	45.1	45.3	45.6	45.7	45.7	45.7	45.9	46.0	46.1
GE 16000		24.8	27.8	37.3	42.6	43.2	44.4	45.1	45.3	45.6	45.7	45.7	45.7	45.9	46.0	46.1
GE 14000		25.2	28.2	37.7	43.0	43.6	44.9	45.6	45.7	46.0	46.2	46.2	46.2	46.4	46.5	46.6
GE 12000		26.4	29.4	39.1	44.4	45.0	46.3	47.1	47.2	47.5	47.6	47.6	47.6	47.9	48.0	48.1
GE 10000		27.9	31.1	41.5	47.1	47.7	49.1	49.8	49.9	50.2	50.3	50.3	50.4	50.6	50.7	50.8
GE 9000		28.8	32.0	42.5	48.4	49.0	50.3	51.1	51.2	51.5	51.6	51.6	51.7	51.9	52.1	52.1
GE 8000		33.0	36.7	48.6	55.1	55.9	57.4	58.1	58.2	58.5	58.7	58.7	58.7	59.0	59.1	59.1
GE 7000		34.6	38.6	51.4	58.7	59.7	61.5	62.5	62.7	63.1	63.3	63.3	63.3	63.5	63.7	63.7
GE 6000		34.8	38.7	51.5	58.8	59.9	61.6	62.7	62.8	63.3	63.4	63.4	63.4	63.7	63.8	63.8
GE 5000		35.6	39.4	52.5	60.2	61.2	63.0	64.1	64.2	64.7	64.8	64.8	64.9	65.1	65.2	65.3
GE 4500		36.2	40.1	53.5	61.2	62.3	64.1	65.2	65.3	65.8	65.9	65.9	66.0	66.2	66.3	66.4
GE 4000		41.6	45.6	60.2	68.1	69.2	71.1	72.1	72.2	72.7	72.8	72.8	72.9	73.1	73.3	73.3
GE 3500		47.6	51.7	66.8	74.8	76.2	78.1	79.3	79.5	79.9	80.0	80.0	80.1	80.3	80.5	80.5
GE 3000		54.6	59.0	74.9	83.6	85.2	87.8	89.2	89.5	90.2	90.3	90.3	90.4	90.6	90.7	90.8
GE 2500		57.0	61.6	77.7	86.7	88.4	91.5	93.1	93.4	94.2	94.3	94.3	94.3	94.6	94.7	94.8
GE 2000		57.8	62.5	78.7	87.7	89.4	92.5	94.2	94.5	95.4	95.5	95.5	95.7	95.9	96.1	96.1
GE 1800		58.0	62.8	79.0	87.9	89.6	92.7	94.4	94.8	95.7	95.8	95.8	95.9	96.2	96.4	96.4
GE 1500		58.2	63.1	79.6	88.6	90.4	93.6	95.2	95.7	96.7	96.8	96.8	96.9	97.2	97.3	97.4
GE 1200		58.4	63.3	80.0	89.0	90.9	94.1	95.9	96.4	97.4	97.5	97.6	97.7	98.0	98.1	98.2
GE 1000		58.5	63.4	80.0	89.1	90.9	94.2	96.0	96.5	97.6	97.7	97.7	97.9	98.2	98.3	98.3
GE 900		58.5	63.4	80.0	89.1	90.9	94.2	96.0	96.5	97.6	97.7	97.8	97.9	98.2	98.3	98.4
GE 800		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	97.9	98.0	98.2	98.3	98.6	98.7	98.8
GE 700		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	97.9	98.0	98.2	98.3	98.6	98.7	98.8
GE 600		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	97.9	98.1	98.2	98.3	98.7	98.9	98.9
GE 500		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	98.9	99.2	99.4
GE 400		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.0	99.3	99.5
GE 300		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.0	99.3	99.6
GE 200		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.1	99.5	99.9
GE 100		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.1	99.5	99.9
GE 0		58.5	63.4	80.0	89.3	91.1	94.3	96.2	96.7	98.0	98.2	98.3	98.5	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 1679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 0600-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.7	10.2	12.3	16.3	16.6	17.1	17.1	17.3	19.4	19.9	19.9	19.9	20.7	20.9	21.2	
GE 20000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	24.0	24.5	24.7	
GE 18000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	24.0	24.5	24.7	
GE 16000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	24.0	24.5	24.7	
GE 14000	10.5	12.0	14.5	18.4	18.6	19.4	19.4	19.6	21.9	22.7	22.7	22.7	24.0	24.5	24.7	
GE 12000	10.7	12.8	15.3	19.1	19.4	20.2	20.2	20.4	23.0	23.7	23.7	23.7	25.0	25.5	25.8	
GE 10000	11.5	13.8	16.8	21.7	21.9	22.7	22.7	23.0	25.5	26.3	26.5	26.5	27.8	28.3	28.6	
GE 9000	11.7	14.0	17.1	22.2	22.4	23.2	23.2	23.5	26.0	26.8	27.0	27.0	28.3	28.8	29.6	
GE 8000	13.3	16.1	21.7	27.8	28.8	30.6	31.1	31.4	33.9	34.7	34.9	35.2	36.5	37.0	37.8	
GE 7000	14.0	17.3	23.7	30.4	31.4	33.2	33.7	33.9	36.5	37.2	37.5	37.8	39.0	39.5	40.3	
GE 6000	14.3	17.6	24.2	30.9	31.9	33.7	34.2	34.4	37.2	38.0	38.3	38.5	39.8	40.3	41.1	
GE 5000	15.6	18.9	25.8	32.9	33.9	35.7	36.2	36.5	39.5	40.3	40.6	40.8	42.1	42.6	43.4	
GE 4500	16.1	19.6	26.8	34.2	35.2	37.0	37.5	37.8	40.8	41.6	41.8	42.1	43.4	43.9	44.6	
GE 4000	16.6	20.9	29.8	38.5	40.1	42.3	42.9	43.4	47.2	48.0	48.2	48.5	49.7	50.3	51.0	
GE 3500	18.9	24.2	35.5	44.9	46.7	49.5	50.0	50.5	54.3	55.1	55.4	55.6	56.9	57.4	58.4	
GE 3000	24.0	29.6	42.1	52.6	54.8	58.7	60.7	61.7	65.8	66.6	66.8	67.1	68.4	68.9	69.9	
GE 2500	26.3	32.7	45.2	56.1	58.7	63.0	65.3	66.3	71.4	72.2	72.7	73.2	74.5	75.0	76.0	
GE 2000	26.5	33.4	46.4	57.9	60.5	65.1	67.9	68.9	75.0	76.0	76.5	77.0	78.3	78.8	79.8	
GE 1800	26.8	33.7	46.9	58.7	61.5	66.1	68.9	69.9	76.0	77.0	77.6	78.1	79.3	79.8	80.9	
GE 1500	27.3	34.2	47.4	59.2	62.0	66.6	69.4	70.4	77.6	78.6	79.3	79.8	81.6	82.1	83.2	
GE 1200	27.6	34.4	48.2	59.9	62.8	67.9	71.2	72.2	79.3	80.4	81.1	81.6	83.4	83.9	84.9	
GE 1000	27.6	34.4	48.7	60.5	63.3	68.6	72.7	74.0	82.1	83.2	83.9	84.4	86.2	86.7	87.8	
GE 900	27.6	34.4	48.7	60.5	63.3	68.6	72.7	74.0	82.1	83.2	83.9	84.4	86.2	86.7	87.8	
GE 800	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.2	82.9	84.2	84.9	85.7	87.8	88.3	89.3	
GE 700	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.2	82.9	84.2	84.9	85.7	87.8	88.3	89.3	
GE 600	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.2	82.9	84.4	85.2	86.0	88.0	88.5	89.5	
GE 500	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	84.7	85.5	86.5	88.5	89.0	90.3	
GE 400	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	85.2	86.5	87.8	90.1	91.1	93.4	
GE 300	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.6	92.1	95.7	
GE 200	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.8	92.6	97.7	
GE 100	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.8	92.9	99.7	
GE 0	27.6	34.4	49.0	60.7	63.5	68.9	73.0	74.5	83.2	85.5	86.7	88.0	90.8	93.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT

HOURS(IST): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		9.8	11.6	15.5	19.6	20.1	21.8	22.9	23.4	23.9	23.9	23.9	23.9	23.9	24.1	24.1	24.3
GE 20000		11.8	13.7	18.2	23.4	23.9	25.6	27.0	27.7	28.2	28.2	28.2	28.2	28.3	28.3	28.3	28.5
GE 18000		11.8	13.7	18.5	23.8	24.3	26.0	27.3	28.0	28.5	28.5	28.5	28.5	28.7	28.7	28.7	28.8
GE 16000		11.8	13.7	18.5	23.8	24.3	26.0	27.3	28.0	28.5	28.5	28.5	28.5	28.7	28.7	28.7	28.8
GE 14000		11.8	13.7	18.5	23.9	24.6	26.3	27.7	28.3	29.0	29.0	29.0	29.0	29.2	29.2	29.2	29.3
GE 12000		12.6	14.7	19.7	25.5	26.1	27.8	29.2	30.0	30.7	30.7	30.7	30.7	30.9	30.9	30.9	31.0
GE 10000		14.3	16.4	22.3	28.2	28.8	30.5	32.2	33.2	33.9	33.9	33.9	33.9	34.1	34.1	34.1	34.2
GE 9000		15.0	17.0	23.3	29.7	30.4	32.0	33.7	34.7	35.4	35.4	35.4	35.4	35.6	35.6	35.6	35.8
GE 8000		17.7	20.2	27.3	35.9	36.8	38.6	40.6	41.8	42.5	42.7	42.8	42.8	43.0	43.0	43.0	43.2
GE 7000		18.9	21.6	29.8	39.0	40.0	41.8	43.8	45.2	45.9	46.0	46.2	46.2	46.4	46.4	46.4	46.5
GE 6000		18.9	21.6	29.8	39.3	40.3	42.2	44.2	45.5	46.2	46.4	46.4	46.5	46.5	46.7	46.7	46.9
GE 5000		19.9	22.8	31.0	40.6	41.8	43.7	46.4	47.7	48.6	48.7	48.9	48.9	49.1	49.1	49.1	49.2
GE 4500		20.4	23.4	31.9	42.0	43.2	45.0	47.7	49.1	49.9	50.1	50.3	50.3	50.4	50.4	50.4	50.6
GE 4000		20.9	24.6	33.6	45.4	46.7	48.6	51.6	53.1	54.1	54.3	54.6	54.6	54.8	54.8	54.8	55.0
GE 3500		23.3	28.0	38.4	51.3	53.1	55.1	58.2	59.7	60.7	60.9	61.2	61.2	61.4	61.4	61.4	61.6
GE 3000		30.4	35.9	47.9	62.2	64.2	67.3	71.5	73.7	75.0	75.2	75.5	75.5	75.7	75.7	75.7	75.9
GE 2500		31.9	38.1	50.3	65.8	67.8	71.0	75.5	77.7	79.8	79.9	80.3	80.4	80.6	80.6	80.6	80.8
GE 2000		32.4	39.1	51.4	67.1	69.1	72.5	77.4	79.8	82.0	82.1	82.5	82.6	82.8	82.8	82.8	83.0
GE 1800		32.7	39.6	51.9	67.6	69.6	73.0	77.9	80.3	82.5	82.6	83.0	83.1	83.3	83.3	83.3	83.5
GE 1500		33.4	40.5	53.0	69.0	71.0	74.5	79.8	82.1	84.3	84.5	84.8	85.0	85.2	85.2	85.2	85.3
GE 1200		33.9	41.1	54.1	70.2	72.3	75.9	81.8	84.1	87.2	87.5	87.9	88.2	88.4	88.4	88.4	88.5
GE 1000		33.9	41.1	54.1	70.3	72.5	76.4	83.8	86.3	90.1	90.4	90.9	91.2	91.6	91.6	91.6	91.7
GE 900		34.1	41.3	54.3	70.5	72.7	76.6	84.0	86.5	90.2	90.6	91.1	91.4	91.7	91.7	91.7	91.9
GE 800		34.2	41.7	55.0	71.2	73.4	77.4	84.8	87.4	91.6	92.1	92.6	92.9	93.3	93.3	93.3	93.4
GE 700		34.2	41.7	55.0	71.2	73.4	77.4	85.0	87.9	92.1	92.6	93.1	93.4	93.8	93.8	93.8	93.9
GE 600		34.2	41.7	55.0	71.2	73.4	77.6	85.2	88.0	92.2	92.7	93.3	93.6	93.9	93.9	93.9	94.1
GE 500		34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	92.7	93.3	93.8	94.4	94.8	94.8	94.8	95.1
GE 400		34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	92.9	93.6	94.1	94.8	95.8	96.5	97.0	97.0
GE 300		34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.3	97.1	98.8	98.8
GE 200		34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.5	97.5	99.5	99.5
GE 100		34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.5	97.5	99.7	99.7
GE 0		34.2	41.7	55.0	71.2	73.4	77.6	85.3	88.4	93.1	93.8	94.3	95.1	96.8	97.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		13.8	16.9	21.9	27.4	27.9	28.5	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
GE 20000		16.9	20.2	26.7	32.6	33.2	33.8	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 18000		16.9	20.2	26.7	32.6	33.3	34.0	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 16000		16.9	20.2	26.7	32.6	33.3	34.0	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 14000		17.3	20.5	27.2	33.2	33.6	34.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 12000		17.6	20.9	27.7	33.8	34.5	35.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 10000		18.6	22.4	29.4	36.4	37.1	37.8	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 9000		19.0	22.6	30.3	37.4	38.1	38.8	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 8000		23.4	27.4	36.5	44.8	45.5	46.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 7000		24.8	28.9	38.3	46.7	47.4	48.0	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 6000		24.8	28.9	39.3	46.7	47.4	48.0	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 5000		25.6	29.7	39.3	48.2	48.9	49.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 4500		26.5	30.6	40.2	49.1	49.7	50.4	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 4000		28.7	33.3	43.4	53.7	54.4	55.2	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 3500		24.7	39.8	50.9	62.1	62.9	63.9	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 3000		44.8	50.3	63.2	77.4	76.6	80.0	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500		46.7	52.5	66.0	80.7	81.9	83.4	86.0	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 2100		47.9	54.2	68.0	84.1	85.6	87.2	89.7	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1800		48.5	54.9	69.1	85.3	86.9	88.4	90.9	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1500		49.6	55.9	70.4	87.2	88.9	90.4	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1200		50.1	56.6	71.3	88.2	89.9	91.6	94.7	95.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1000		50.1	56.6	71.5	88.5	90.3	92.1	95.6	95.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900		50.1	56.6	71.5	88.5	90.4	92.3	95.7	96.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800		50.1	56.6	71.5	88.9	90.8	93.2	96.6	96.9	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		50.1	56.6	71.5	89.1	90.9	93.7	97.1	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 535

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-N7

MONTH: OCT HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		21.7	24.4	28.3	32.8	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 20000		26.3	29.0	34.2	39.6	40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000		26.7	29.4	34.5	40.0	40.7	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 16000		26.9	29.6	34.8	40.1	40.9	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000		27.1	29.7	34.9	40.3	41.0	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 12000		27.4	30.1	35.7	41.0	41.8	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 10000		29.2	31.9	38.2	44.4	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 9000		29.4	32.1	38.4	44.8	45.5	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000		32.6	35.7	43.7	51.1	51.8	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 7000		33.7	36.7	45.0	53.0	53.8	54.5	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 6000		33.7	36.7	45.0	53.4	54.1	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 5000		34.6	37.8	46.6	55.4	56.1	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 4500		35.8	39.2	48.2	57.0	57.7	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 4000		39.2	43.0	53.4	62.4	63.1	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 3500		45.7	50.5	61.3	70.6	71.3	72.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 3000		52.2	57.5	69.2	79.6	80.3	81.5	81.5	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 2500		55.2	60.8	72.4	83.3	84.1	85.5	85.8	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000		57.5	63.3	75.1	88.0	89.1	90.5	90.9	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1800		57.7	63.4	75.3	88.2	89.2	90.7	91.0	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1500		59.3	65.4	78.3	91.2	92.3	93.7	94.1	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1200		60.4	66.5	79.4	92.7	93.7	95.5	96.2	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000		60.4	66.5	79.4	92.8	93.9	96.1	96.8	97.5	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2
GE 900		60.6	66.7	79.6	93.0	94.1	96.2	97.0	97.7	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4
GE 800		60.6	66.7	79.6	93.0	94.1	96.2	97.1	97.8	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6
GE 700		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.0	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6
GE 600		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.0	99.5	99.5	99.6	99.8	99.8	99.8	99.8	99.8
GE 500		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE 400		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE 300		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE 200		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE 100		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0
GE 0		60.6	66.7	79.6	93.0	94.1	96.2	97.3	98.2	99.6	99.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 558

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-97
MONTH: OCT HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL		13.8	16.2	20.1	24.6	25.1	25.9	26.4	26.6	27.1	27.2	27.2	27.2	27.4	27.4	27.5	
GE 20000		16.8	19.2	24.1	29.3	29.8	30.8	31.4	31.6	32.2	32.3	32.3	32.3	32.6	32.7	32.8	
GE 18000		16.9	19.3	24.2	29.5	30.0	31.0	31.6	31.9	32.4	32.6	32.6	32.6	32.8	32.9	33.0	
GE 16000		16.9	19.3	24.3	29.5	30.1	31.1	31.7	31.9	32.5	32.6	32.6	32.6	32.9	33.0	33.1	
GE 14000		17.1	19.5	24.5	29.7	30.4	31.3	32.0	32.3	32.9	33.0	33.0	33.0	33.3	33.4	33.5	
GE 12000		17.5	20.1	25.3	30.7	31.3	32.3	32.9	33.3	33.9	34.1	34.1	34.1	34.4	34.4	34.5	
GE 10000		18.9	21.6	27.4	33.5	34.1	35.1	35.9	36.3	36.9	37.1	37.1	37.1	37.4	37.5	37.6	
GE 9000		19.3	21.9	28.0	34.4	35.0	36.0	36.8	37.2	37.8	38.0	38.0	38.0	38.3	38.4	38.6	
GE 8000		22.4	25.5	33.2	40.8	41.5	42.9	43.8	44.3	45.0	45.2	45.3	45.3	45.6	45.7	45.9	
GE 7000		23.5	26.8	35.0	43.2	44.0	45.3	46.2	46.8	47.4	47.6	47.7	47.7	48.0	48.1	48.3	
GE 6000		23.5	26.8	35.1	43.5	44.3	45.5	46.6	47.1	47.8	48.0	48.1	48.1	48.4	48.5	48.7	
GE 5000		24.5	27.9	36.4	45.2	46.1	47.3	48.5	49.0	49.8	50.0	50.1	50.1	50.4	50.5	50.7	
GE 4500		25.3	28.9	37.5	46.4	47.3	48.5	49.8	50.3	51.1	51.3	51.4	51.4	51.7	51.8	52.0	
GE 4000		27.1	31.2	40.9	50.8	51.9	53.2	54.6	55.2	56.2	56.3	56.5	56.5	56.8	56.9	57.1	
GE 3500		31.5	36.5	47.3	58.1	59.4	61.0	62.5	63.1	64.1	64.2	64.4	64.4	64.7	64.8	65.0	
GE 3000		38.9	44.4	56.5	69.2	70.7	72.9	75.2	76.2	77.4	77.6	77.7	77.8	78.1	78.1	78.4	
GE 2500		41.0	47.0	59.4	72.7	74.2	76.7	79.2	80.2	81.9	82.0	82.2	82.4	82.7	82.8	83.0	
GE 2000		42.2	48.5	61.3	75.6	77.3	79.9	82.6	83.6	85.5	85.7	85.9	86.0	86.3	86.4	86.7	
GE 1800		42.5	49.0	61.3	76.2	78.0	80.6	83.3	84.3	86.2	86.4	86.6	86.7	87.0	87.1	87.4	
GE 1500		43.5	50.1	63.4	78.0	79.8	82.5	85.2	86.3	88.4	88.7	88.9	89.1	89.4	89.5	89.8	
GE 1200		44.1	50.9	64.4	79.1	81.0	83.9	87.2	88.3	90.9	91.2	91.4	91.6	92.0	92.1	92.3	
GE 1000		44.1	50.8	64.5	79.4	81.3	84.4	88.4	89.6	92.7	93.0	93.2	93.5	93.9	94.0	94.2	
GE 900		44.2	50.9	64.5	79.5	81.4	84.6	88.5	89.8	92.9	93.2	93.5	93.7	94.1	94.2	94.5	
GE 800		44.3	51.0	64.8	79.8	81.8	85.1	89.1	90.3	93.8	94.1	94.4	94.7	95.2	95.3	95.5	
GE 700		44.3	51.0	64.9	79.9	81.8	85.2	89.3	90.6	94.3	94.7	95.0	95.3	95.8	95.9	96.1	
GE 600		44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.7	94.5	95.0	95.3	95.6	96.1	96.1	96.4	
GE 500		44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.8	95.2	95.5	96.0	96.4	96.5	96.9	
GE 400		44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.8	95.4	95.8	96.3	97.0	97.4	97.9	
GE 300		44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.2	97.7	98.9	
GE 200		44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.3	97.9	99.4	
GE 100		44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.3	98.0	99.9	
GE 0		44.3	51.0	64.9	79.9	81.8	85.3	89.4	90.9	94.9	95.5	95.9	96.4	97.4	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 2128

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	63	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		10.4	12.1	16.5	18.2	16.2	19.8	19.4	19.7	20.2	20.2	20.2	20.2	20.5	20.8	20.8	
GE 20000		11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 18000		11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 16000		11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 14000		11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 12000		11.6	13.6	18.5	20.5	20.5	21.1	21.7	22.0	22.5	22.5	22.5	22.5	22.8	23.4	23.4	
GE 10000		11.8	13.9	18.8	21.1	21.1	22.0	22.5	22.8	23.4	23.4	23.4	23.4	23.7	24.3	24.3	
GE 9000		11.8	13.9	19.1	21.4	21.4	22.3	22.8	23.1	23.7	24.0	24.0	24.3	24.6	25.1	25.1	
GE 8000		14.2	16.2	23.1	26.9	26.9	29.6	29.2	29.5	30.1	30.3	30.3	30.6	30.9	31.5	31.5	
GE 7000		15.3	17.3	24.3	28.6	28.6	30.3	30.9	31.2	32.4	32.7	32.7	32.9	33.2	33.8	33.8	
GE 6000		15.3	17.3	24.3	28.6	28.6	30.3	30.9	31.2	32.4	32.7	32.7	32.9	33.2	33.8	33.8	
GE 5000		16.5	18.5	26.3	30.9	30.9	32.7	33.2	33.5	34.7	35.0	35.0	35.3	35.5	36.1	36.1	
GE 4500		16.8	19.1	26.9	31.5	31.5	33.2	34.4	34.7	35.8	36.1	36.1	36.4	36.7	37.3	37.3	
GE 4000		17.6	20.5	30.6	35.8	36.1	37.9	39.0	39.3	40.5	40.8	40.8	41.0	41.3	41.9	41.9	
GE 3500		17.9	21.4	32.7	38.2	38.4	40.5	41.6	41.9	43.4	43.6	43.6	43.9	44.2	44.8	44.8	
GE 3000		23.1	28.3	45.4	52.0	52.9	56.9	58.1	58.4	60.4	60.7	60.7	61.3	61.6	62.1	62.1	
GE 2500		25.4	31.5	48.8	56.1	57.2	62.7	64.2	64.5	66.5	67.1	67.1	67.6	67.9	68.5	68.5	
GE 2000		29.2	35.5	54.2	63.0	64.2	70.5	72.8	73.4	75.0	76.9	76.9	77.5	78.0	78.6	78.6	
GE 1800		29.8	36.1	55.2	64.2	65.3	72.3	74.6	75.1	77.7	78.6	78.6	79.2	79.8	80.3	80.3	
GE 1500		30.9	37.3	57.5	66.8	67.9	75.1	77.5	78.0	80.9	81.8	81.8	82.4	82.9	83.5	83.5	
GE 1200		30.9	37.3	57.8	67.1	68.2	76.3	78.6	79.2	82.1	83.2	83.2	83.8	84.4	85.0	85.0	
GE 1000		31.2	37.6	58.4	67.9	69.4	77.7	80.1	80.6	83.5	84.7	84.7	85.3	85.8	86.4	86.4	
GE 900		31.2	37.6	58.4	67.9	69.4	78.0	80.9	81.5	84.4	85.5	85.8	86.4	87.3	87.9	87.9	
GE 800		31.2	37.6	58.4	67.9	69.4	78.0	81.2	81.8	85.3	86.7	87.3	87.9	89.3	89.9	89.9	
GE 700		31.2	37.6	58.4	67.9	69.4	78.0	81.2	81.8	85.5	87.3	87.9	88.7	90.2	90.8	90.8	
GE 600		31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	88.7	89.3	90.5	92.2	92.8	92.8	
GE 500		31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.6	93.6	95.1	95.7	
GE 400		31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.2	96.0	97.1	
GE 300		31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	98.0	
GE 200		31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	99.1	
GE 100		31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	100.0	
GE 0		31.2	37.6	58.4	67.9	69.4	78.0	81.2	82.1	86.4	89.3	90.2	91.9	94.8	96.5	100.0	

TOTAL NUMBER OF OBSERVATIONS: 346

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS(IST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		12.6	13.4	15.7	17.2	17.2	17.8	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.2
GE 20000		16.9	17.8	20.7	22.3	22.5	23.1	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.6
GE 18000		17.4	18.6	21.5	23.1	23.3	23.8	24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.4
GE 16000		17.4	18.6	21.5	23.1	23.3	23.8	24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.4
GE 14000		17.4	19.6	21.5	23.1	23.3	23.8	24.0	24.0	24.0	24.0	24.2	24.2	24.2	24.2	24.4
GE 12000		17.6	18.8	21.9	23.4	23.6	24.2	24.4	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.8
GE 10000		18.8	20.0	23.4	25.2	25.4	26.2	26.4	26.4	26.4	26.4	26.6	26.6	26.6	26.6	26.7
GE 9000		19.2	20.3	23.8	26.0	26.4	27.1	27.3	27.3	27.3	27.3	27.5	27.5	27.5	27.5	27.7
GE 8000		21.9	23.3	28.5	31.6	32.2	33.1	33.3	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.9
GE 7000		23.4	25.2	30.4	33.9	34.5	35.5	35.7	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.2
GE 6000		23.4	25.2	30.4	33.9	34.5	35.5	35.7	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.2
GE 5000		24.4	26.2	31.8	35.7	36.2	37.4	37.6	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.4
GE 4500		25.0	26.7	32.6	36.4	37.0	38.2	38.6	39.1	39.1	39.1	39.3	39.3	39.3	39.3	39.5
GE 4000		26.2	27.9	34.9	39.3	40.5	42.1	42.4	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.6
GE 3500		28.1	29.8	38.2	43.2	44.4	46.5	46.9	47.7	47.7	47.7	47.9	47.9	47.9	47.9	48.4
GE 3000		32.6	35.1	47.5	53.3	54.5	57.8	58.3	59.1	59.3	59.7	60.1	60.1	60.3	60.3	60.9
GE 2500		36.2	39.5	51.9	58.7	59.9	64.1	65.3	66.1	66.5	66.9	67.2	67.2	67.6	67.6	68.2
GE 2000		39.9	43.6	57.0	64.9	66.3	71.7	74.4	75.4	76.0	76.4	76.7	76.7	77.1	77.1	77.9
GE 1800		41.3	45.0	58.7	66.7	68.0	73.4	76.4	77.3	77.9	78.3	78.7	78.7	79.1	79.1	79.8
GE 1500		41.9	45.5	59.5	67.6	69.2	74.6	77.7	78.7	79.3	79.7	80.0	80.0	80.4	80.4	81.2
GE 1200		42.1	45.7	59.9	68.2	69.6	76.2	80.0	81.0	81.8	82.2	82.6	82.6	82.9	82.9	83.7
GE 1000		42.1	45.7	59.9	68.2	69.8	76.4	80.4	81.6	82.9	83.3	83.7	83.9	84.5	84.5	85.7
GE 900		42.1	45.7	59.9	68.2	69.8	76.9	81.2	82.4	83.7	84.1	84.5	84.7	85.3	85.3	86.4
GE 800		42.1	45.7	59.9	68.2	69.8	76.9	81.8	83.1	85.1	85.7	86.2	86.4	87.2	87.2	88.6
GE 700		42.1	45.7	59.9	68.2	69.8	76.9	81.8	83.1	85.7	86.6	87.2	87.6	88.4	88.4	89.7
GE 600		42.1	45.7	59.9	68.2	69.8	76.9	81.8	83.5	87.4	88.4	89.0	89.5	90.5	90.7	92.1
GE 500		42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.1	90.7	91.3	92.6	93.0	95.2
GE 400		42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	94.8	95.2	98.1
GE 300		42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	98.8
GE 200		42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	99.6
GE 100		42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	100.0
GE 0		42.1	45.7	59.9	68.2	69.8	77.1	82.0	83.7	89.0	90.3	91.5	92.8	95.0	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 516

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 1C6265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	1		14.3	15.0	17.0	18.4	16.6	18.8	18.9	19.3	19.5	19.7	19.7	19.7	19.7	19.7	19.7
GE 20000			15.6	16.4	19.3	20.9	21.1	21.3	21.7	22.1	22.3	22.5	22.5	22.5	22.5	22.5	22.5
GE 18000			17.0	17.8	20.7	22.3	22.5	22.7	23.0	23.4	23.6	23.8	23.8	23.8	23.8	23.8	23.8
GE 16000			17.0	17.8	20.7	22.3	22.5	22.7	23.0	23.4	23.6	23.8	23.8	23.8	23.8	23.8	23.8
GE 14000			17.4	18.2	21.1	22.7	22.9	23.0	23.4	23.8	24.0	24.2	24.2	24.2	24.2	24.2	24.2
GE 12000			18.6	19.3	22.5	24.2	24.4	24.6	25.0	25.4	25.6	25.8	25.8	25.8	25.8	25.8	25.8
GE 10000			21.1	21.9	25.2	27.1	27.3	27.5	27.9	28.3	28.5	28.7	28.7	28.7	28.7	28.7	28.7
GE 9000			21.9	22.9	26.4	28.9	29.3	29.5	29.9	30.3	30.5	30.7	30.7	30.7	30.7	30.7	30.7
GE 8000			26.0	27.1	31.3	35.4	35.9	36.5	37.1	37.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7
GE 7000			27.5	28.7	33.0	37.9	38.5	39.1	39.6	40.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2
GE 6000			27.5	28.7	33.0	37.9	38.5	39.1	39.6	40.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2
GE 5000			27.9	29.1	33.6	38.5	39.1	39.6	40.2	40.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8
GE 4500			29.1	30.3	35.5	40.8	41.4	42.0	42.6	43.0	43.9	44.1	44.1	44.1	44.1	44.1	44.1
GE 4000			30.7	31.8	38.1	43.9	44.5	45.5	46.1	46.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7
GE 3500			33.4	34.8	42.5	48.4	49.0	50.2	50.8	51.2	52.1	52.3	52.3	52.3	52.3	52.3	52.3
GE 3000			40.8	42.2	51.0	58.0	58.6	60.4	61.7	62.1	63.1	63.5	63.5	63.5	63.5	63.5	63.5
GE 2500			45.1	46.7	55.5	63.5	64.5	66.4	68.0	68.4	69.9	70.3	70.3	70.3	70.3	70.3	70.3
GE 2000			47.8	52.1	60.9	69.3	70.7	73.6	76.2	77.0	78.7	79.1	79.1	79.1	79.1	79.1	79.1
GE 1800			50.8	53.1	61.9	70.3	71.9	74.8	77.5	78.3	80.1	80.5	80.5	80.5	80.5	80.5	80.5
GE 1500			52.7	55.1	64.5	72.9	74.4	77.5	81.1	81.8	83.6	84.0	84.0	84.0	84.0	84.0	84.0
GE 1200			53.1	55.5	65.4	74.0	75.8	79.9	83.8	84.6	86.3	86.7	86.7	86.7	86.7	86.7	86.7
GE 1000			53.1	55.5	65.4	74.0	75.8	80.1	84.8	85.7	88.3	88.7	88.7	88.7	88.7	88.7	88.7
GE 900			53.1	55.5	65.4	74.0	75.8	80.7	85.9	87.1	89.8	90.2	90.2	90.2	90.2	90.2	90.2
GE 800			53.1	55.5	65.4	74.2	76.0	80.9	86.1	88.1	91.2	91.8	91.8	91.8	92.4	92.6	92.6
GE 700			53.1	55.5	65.4	74.2	76.0	80.9	86.1	88.5	92.4	93.0	93.0	93.0	93.6	93.8	93.8
GE 600			53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.0	94.5	95.1	95.3	95.3	95.9	96.3	96.3
GE 500			53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.2	95.5	96.1	96.3	96.3	96.9	97.3	97.9
GE 400			53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.3	97.9	98.8
GE 300			53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	99.6
GE 200			53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	100.0
GE 100			53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	100.0
GE 0			53.1	55.5	65.4	74.2	76.0	80.9	86.9	90.4	95.9	96.5	96.7	96.7	97.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 512

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

CEILING IN FEET		VISIBILITY IN HUNDREDS OF METERS															
		1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
		1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL																	
GE 20000																	
GE 18000																	
GE 16000																	
GE 14000																	
GE 12000																	
GE 10000																	
GE 9000																	
GE 8000																	
GE 7000																	
GE 6000																	
GE 5000																	
GE 4500																	
GE 4000																	
GE 3500																	
GE 3000																	
GE 2500																	
GE 2000																	
GE 1800																	
GE 1600																	
GE 1400																	
GE 1200																	
GE 1000																	
GE 900																	
GE 800																	
GE 700																	
GE 600																	
GE 500																	
GE 400																	
GE 300																	
GE 200																	
GE 100																	
GE 0																	

TOTAL NUMBER OF OBSERVATIONS: 496

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZVACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		13.4	14.3	17.1	18.8	19.0	19.5	19.7	19.9	20.1	20.1	20.1	20.1	20.2	20.2	20.3
GE 20000	1		16.0	17.1	20.5	22.5	22.7	23.3	23.6	23.7	24.0	24.0	24.1	24.1	24.1	24.2	24.3
GE 18000	1		16.7	17.9	21.3	23.3	23.5	24.1	24.4	24.5	24.8	24.8	24.9	24.9	24.9	25.0	25.1
GE 16000	1		16.7	17.9	21.3	23.3	23.5	24.1	24.4	24.5	24.8	24.8	24.9	24.9	24.9	25.0	25.1
GE 14000	1		16.9	18.1	21.4	23.5	23.7	24.2	24.5	24.7	24.9	25.0	25.0	25.1	25.1	25.2	25.2
GE 12000	1		17.5	18.7	22.2	24.4	24.6	25.1	25.5	25.6	25.8	25.9	25.9	25.9	26.0	26.1	26.1
GE 10000	1		19.4	20.6	24.3	26.7	27.0	27.6	27.9	28.1	28.3	28.3	28.4	28.4	28.4	28.6	28.6
GE 9000	1		19.8	21.1	24.9	27.8	28.1	28.7	29.0	29.2	29.4	29.5	29.6	29.6	29.7	29.8	29.8
GE 8000	1		23.2	24.9	29.9	34.0	34.4	35.5	35.9	36.1	36.6	36.7	36.8	36.8	36.9	37.0	37.1
GE 7000	1		24.4	26.2	31.4	36.0	36.5	37.6	38.1	38.3	38.9	39.0	39.1	39.1	39.2	39.3	39.4
GE 6000	1		24.5	26.3	31.5	36.1	36.5	37.5	38.2	38.4	39.0	39.1	39.2	39.3	39.3	39.4	39.5
GE 5000	1		25.3	27.1	32.7	37.4	37.9	39.1	39.6	39.8	40.4	40.5	40.6	40.6	40.7	40.8	40.9
GE 4500	1		26.6	28.4	34.3	39.2	39.6	40.9	41.5	41.8	42.4	42.5	42.6	42.6	42.7	42.8	42.8
GE 4000	1		28.5	30.6	37.7	43.2	43.9	45.3	46.0	46.4	47.0	47.1	47.1	47.2	47.2	47.3	47.4
GE 3500	1		30.7	33.1	41.4	47.1	47.8	49.5	50.2	50.5	51.2	51.3	51.4	51.4	51.5	51.6	51.8
GE 3000	1		36.3	39.1	50.2	56.6	57.7	60.3	61.2	61.6	62.5	62.7	62.8	62.9	63.0	63.2	63.3
GE 2500	1		39.8	43.2	54.3	61.7	62.8	66.1	67.3	67.6	68.7	69.0	69.1	69.3	69.4	69.5	69.7
GE 2000	1		43.9	47.6	59.3	67.7	69.1	73.6	75.7	76.5	77.8	78.2	78.4	78.5	78.7	78.8	79.0
GE 1800	1		44.6	48.6	60.5	68.9	70.4	75.0	77.3	78.0	79.3	79.8	79.9	80.1	80.3	80.4	80.6
GE 1500	1		46.2	50.1	62.4	71.0	72.5	77.3	79.8	80.6	82.0	82.5	82.6	82.7	82.9	83.0	83.3
GE 1200	1		46.4	50.3	63.2	71.9	73.5	79.1	82.1	82.9	84.4	85.0	85.1	85.2	85.5	85.6	85.8
GE 1000	1		46.5	50.3	63.3	72.1	73.9	79.7	83.3	84.1	86.1	86.7	87.0	87.1	87.4	87.5	87.8
GE 900	1		46.5	50.3	63.3	72.2	74.0	80.2	84.1	85.1	87.2	87.8	88.1	88.2	88.6	88.7	89.0
GE 800	1		46.5	50.3	63.4	72.4	74.1	80.3	84.6	86.0	88.8	89.5	89.9	90.2	90.8	91.0	91.3
GE 700	1		46.5	50.3	63.4	72.4	74.1	80.3	84.7	86.1	89.4	90.3	90.7	91.0	91.7	91.8	92.2
GE 600	1		46.5	50.3	63.4	72.4	74.1	80.3	85.1	87.1	91.0	92.0	92.6	93.0	93.9	94.2	94.5
GE 500	1		46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	91.9	93.0	93.7	94.2	95.2	95.7	96.6
GE 400	1		46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.3	94.2	95.0	96.2	96.8	98.1
GE 300	1		46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	98.9
GE 200	1		46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	99.7
GE 100	1		46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	100.0
GE 0	1		46.5	50.3	63.4	72.4	74.1	80.4	85.1	87.2	92.1	93.4	94.3	95.1	96.5	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 1870

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(IST): 0600-0900

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1		9.7	12.9	15.3	19.5	20.5	21.6	21.8	22.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4
GE 20000			10.5	13.9	16.3	20.5	21.6	22.6	23.2	23.4	23.7	23.7	23.7	23.9	23.9	23.9	23.9
GE 18000			10.8	14.2	16.6	20.8	21.8	22.9	23.4	23.7	23.9	23.9	23.9	24.2	24.2	24.2	24.2
GE 16000			10.8	14.2	16.6	20.8	21.8	22.9	23.4	23.7	23.9	23.9	23.9	24.2	24.2	24.2	24.2
GE 14000			11.1	14.5	16.3	21.1	22.1	23.2	23.7	23.9	24.2	24.2	24.2	24.5	24.5	24.5	24.5
GE 12000			11.3	14.7	17.1	21.3	22.4	23.4	23.9	24.2	24.5	24.5	24.5	24.7	24.7	24.7	24.7
GE 10000			11.6	15.3	17.6	22.1	23.2	24.2	24.7	25.0	25.3	25.3	25.3	25.5	25.5	25.5	25.5
GE 9000			11.8	15.5	17.9	22.4	23.4	24.5	25.0	25.3	25.5	25.5	25.5	25.8	25.8	25.8	25.8
GE 8000			14.2	19.2	22.4	27.6	29.7	31.1	32.1	32.4	32.6	32.6	32.6	32.9	32.9	32.9	32.9
GE 7000			14.5	19.5	22.5	28.4	30.5	32.4	33.7	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5
GE 6000			14.5	19.5	22.5	28.4	30.5	32.4	33.7	33.9	34.2	34.2	34.2	34.5	34.5	34.5	34.5
GE 5000			15.0	20.0	23.2	29.2	31.3	33.2	34.7	35.0	35.3	35.3	35.3	35.5	35.5	35.5	35.5
GE 4500			15.3	20.5	23.7	29.7	31.8	33.7	35.3	35.5	35.8	35.8	35.8	36.1	36.1	36.1	36.1
GE 4000			15.8	21.8	25.5	31.6	34.2	36.1	37.6	37.9	38.9	38.9	38.9	39.2	39.2	39.2	39.2
GE 3500			17.6	24.5	28.7	35.0	37.0	39.5	41.1	41.3	42.4	42.4	42.4	42.6	42.6	42.6	42.6
GE 3000			22.4	31.3	39.7	47.1	49.7	52.6	54.2	54.5	55.5	55.5	55.5	55.8	55.8	55.8	55.8
GE 2500			26.3	36.3	46.8	55.5	58.4	61.3	63.7	63.9	65.0	65.0	65.0	65.3	65.5	65.5	65.5
GE 2000			30.5	41.6	54.7	66.1	69.5	75.0	78.7	78.9	80.3	80.3	80.3	80.5	80.8	80.8	80.8
GE 1800			31.3	42.4	55.5	66.8	70.3	75.8	79.7	80.3	82.1	82.1	82.1	82.4	82.6	82.6	82.6
GE 1500			31.8	42.9	56.3	68.7	72.1	77.6	82.1	82.6	84.7	84.7	84.7	85.0	85.3	85.3	85.3
GE 1200			32.1	44.2	58.7	70.8	74.2	79.7	84.2	84.7	88.2	88.2	88.2	88.4	88.7	88.7	88.7
GE 1000			32.1	44.2	58.7	70.8	74.2	80.0	85.0	85.5	89.5	89.5	89.5	90.0	90.3	90.5	90.5
GE 900			32.1	44.2	58.7	70.8	74.2	80.0	85.0	85.5	89.5	89.5	89.5	90.0	90.3	90.5	90.5
GE 800			32.1	44.2	58.7	71.1	75.0	80.8	85.8	86.8	90.8	91.1	91.3	91.8	92.1	92.4	92.4
GE 700			32.1	44.2	58.7	71.1	75.0	81.1	86.6	87.6	92.4	92.6	92.9	93.4	93.7	93.9	93.9
GE 600			32.1	44.2	58.7	71.1	75.0	81.3	86.8	87.9	92.6	92.9	93.2	93.7	94.2	94.7	94.7
GE 500			32.1	44.2	58.7	71.1	75.0	81.8	87.9	88.9	93.7	94.2	94.5	95.3	96.6	97.1	97.1
GE 400			32.1	44.2	58.7	71.1	75.0	81.8	87.9	88.9	93.7	94.2	94.5	95.3	97.1	97.6	97.6
GE 300			32.1	44.2	58.7	71.1	75.0	81.8	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	98.9
GE 200			32.1	44.2	58.7	71.1	75.0	81.8	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	99.5
GE 100			32.1	44.2	58.7	71.1	75.0	81.8	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	100.0
GE 0			32.1	44.2	58.7	71.1	75.0	81.8	88.2	89.2	93.9	94.5	94.7	95.5	97.4	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 330

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KRELNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOUR(S): 0900-1100

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		8.3	10.8	13.5	16.9	17.1	17.6	18.1	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	16.8
GE 20000		10.0	12.7	15.5	19.3	19.8	21.0	21.7	21.8	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.3
GE 18000		10.2	12.9	15.7	19.5	20.0	21.3	22.0	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.7
GE 16000		10.2	12.9	15.7	19.5	20.0	21.3	22.0	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.7
GE 14000		10.3	13.0	15.9	19.6	20.1	21.5	22.5	22.7	22.8	22.8	22.8	22.8	22.8	22.8	22.8	23.2
GE 12000		11.3	14.2	17.3	21.0	21.7	23.0	24.0	24.2	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.9
GE 10000		11.8	14.7	17.8	21.5	22.3	23.7	24.7	24.9	25.0	25.2	25.2	25.2	25.2	25.2	25.2	25.5
GE 9000		13.4	16.9	20.0	23.9	25.0	26.4	27.4	27.6	27.7	27.9	27.9	27.9	27.9	27.9	27.9	28.3
GE 8000		17.9	21.7	25.9	30.5	31.6	33.0	34.0	34.2	34.3	34.5	34.5	34.5	34.5	34.5	34.5	34.9
GE 7000		18.6	22.3	27.5	32.7	34.2	35.7	36.7	37.2	37.4	37.6	37.7	37.7	37.9	37.9	37.9	38.4
GE 6000		18.8	22.5	27.7	32.8	34.3	35.9	36.9	37.4	37.6	37.7	37.9	37.9	38.1	38.1	38.1	38.6
GE 5000		19.5	23.2	28.4	34.0	35.5	37.2	38.2	38.7	38.9	39.1	39.3	39.3	39.4	39.4	39.4	39.9
GE 4500		20.0	23.9	29.3	34.9	36.4	38.2	39.3	39.8	39.9	40.1	40.3	40.3	40.4	40.4	40.4	40.9
GE 4000		21.2	25.0	31.1	37.6	39.4	41.5	42.8	43.3	43.5	43.7	43.8	43.8	44.0	44.0	44.0	44.5
GE 3500		23.0	26.9	33.7	41.1	43.0	45.0	46.4	46.9	47.0	47.2	47.4	47.4	47.5	47.5	47.5	48.1
GE 3000		29.6	33.5	41.3	50.3	52.3	55.2	56.5	57.5	57.7	57.9	58.0	58.0	58.0	58.2	58.2	58.7
GE 2500		34.3	39.3	47.2	59.2	61.3	64.6	66.2	67.2	67.3	67.5	67.7	67.7	67.9	67.9	67.9	68.4
GE 2000		39.3	44.2	52.1	64.6	66.7	71.2	72.9	74.3	75.0	75.1	75.3	75.3	75.5	75.5	75.5	76.0
GE 1800		39.9	45.0	53.0	65.5	67.5	72.1	74.3	76.1	77.3	77.5	77.7	77.7	77.8	77.8	77.8	78.3
GE 1500		41.1	46.4	54.9	67.7	70.2	75.1	77.3	79.4	80.5	80.7	80.9	81.0	81.2	81.2	81.2	81.7
GE 1200		41.5	47.0	56.0	69.0	72.3	77.5	79.7	81.9	83.6	83.8	84.1	84.3	84.4	84.4	84.4	84.9
GE 1000		42.1	47.7	56.9	69.9	73.1	78.3	81.0	83.2	85.4	85.8	86.1	86.3	86.5	86.5	86.5	87.0
GE 900		42.1	47.7	57.0	70.1	73.3	78.5	81.2	83.4	85.1	86.5	86.8	87.0	87.1	87.1	87.1	87.6
GE 800		42.1	47.9	57.2	70.6	73.8	79.0	82.4	84.6	87.3	87.8	88.3	88.7	89.3	89.3	89.3	89.8
GE 700		42.1	47.9	57.2	70.6	73.8	79.0	82.6	85.1	88.7	89.2	89.7	90.0	91.0	91.0	91.0	91.9
GE 600		42.1	47.9	57.2	70.9	74.1	79.4	82.9	85.6	89.5	90.9	91.7	92.2	93.6	93.6	93.6	94.4
GE 500		42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.2	91.5	92.7	93.2	94.8	94.8	94.8	95.6
GE 400		42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.1	96.3	96.3	97.8
GE 300		42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	97.5	99.5
GE 200		42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	97.5	99.7
GE 100		42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	97.5	99.7
GE 0		42.1	48.1	57.4	71.1	74.3	79.7	83.2	86.0	90.4	91.7	93.4	94.1	96.8	97.5	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 591

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 156265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86

MONTH: DEC HOURS(IST): 1200-1400

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL		10.6	13.6	16.3	17.9	18.1	18.2	19.3	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
GE 20000		12.4	15.6	18.8	21.4	21.5	22.5	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
GE 18000		12.6	15.8	18.9	21.6	21.9	22.7	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
GE 16000		12.6	15.8	18.9	21.6	21.9	22.7	23.2	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
GE 14000		12.9	16.1	19.3	21.9	22.3	23.0	23.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
GE 12000		14.2	17.3	20.7	23.4	23.7	24.4	25.1	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
GE 10000		15.0	18.4	21.9	24.8	25.1	25.8	26.5	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
GE 9000		16.1	19.5	23.2	26.2	26.5	27.3	28.0	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
GE 8000		19.6	23.0	28.1	31.9	32.2	33.6	34.3	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 7000		21.2	24.8	30.3	34.5	35.0	36.5	37.2	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 6000		21.8	25.3	30.8	35.0	35.6	37.5	38.2	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.8	38.9
GE 5000		22.5	26.0	31.5	35.9	36.5	38.4	39.1	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.8
GE 4500		22.5	26.0	31.5	35.9	36.5	38.9	39.6	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.2	40.4
GE 4000		24.1	27.6	34.5	39.6	40.2	43.0	43.7	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.4
GE 3500		27.6	31.5	38.9	44.2	44.6	47.6	48.3	48.7	48.8	48.8	48.8	48.8	48.8	48.8	49.0	49.2
GE 3000		36.8	40.9	49.9	55.9	56.6	60.0	60.9	61.6	62.1	62.1	62.3	62.3	62.3	62.3	62.5	62.7
GE 2500		41.8	47.6	56.5	63.9	64.6	68.0	69.0	69.7	70.3	70.3	70.4	70.4	70.6	70.6	70.8	71.0
GE 2000		45.3	51.3	60.5	69.4	70.3	74.2	75.6	76.5	77.7	77.7	77.9	77.9	78.1	78.2	78.4	78.4
GE 1800		45.3	51.3	60.5	69.4	70.3	74.2	75.6	76.5	77.2	78.4	78.4	78.6	78.6	78.8	78.9	79.1
GE 1500		47.4	53.6	63.0	72.9	74.2	78.2	80.2	81.4	82.7	82.7	82.8	82.8	83.0	83.2	83.4	83.4
GE 1200		48.1	54.3	63.7	74.3	76.1	80.2	82.3	83.5	85.3	85.5	85.7	85.7	85.8	86.0	86.2	86.2
GE 1000		48.5	54.7	64.2	74.9	76.6	81.1	83.9	85.1	88.1	88.5	88.8	88.8	89.0	89.2	89.4	89.4
GE 900		48.5	54.9	64.4	75.0	76.8	81.4	84.4	85.7	88.8	89.2	89.6	89.6	89.7	89.9	90.1	90.1
GE 800		48.5	54.9	64.4	75.2	77.0	81.6	85.1	86.4	90.1	90.6	91.2	91.2	91.3	91.5	91.7	91.7
GE 700		48.7	55.0	64.5	75.4	77.2	81.8	85.5	86.7	91.0	91.7	92.2	92.4	92.7	92.9	93.1	93.1
GE 600		48.7	55.0	64.5	75.6	77.5	82.1	85.8	87.1	91.7	92.6	93.1	93.3	93.6	93.8	94.0	94.0
GE 500		48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.2	93.3	94.2	94.3	95.4	95.6	95.8	95.8
GE 400		48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	93.8	94.9	95.2	96.6	96.8	97.0	97.0
GE 300		48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.2	98.8	99.3	99.3
GE 200		48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.4	99.3	99.8	99.8
GE 100		48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.4	99.3	99.8	99.8
GE 0		48.7	55.0	64.5	75.6	77.5	82.1	86.0	87.3	92.7	94.0	95.4	95.9	98.4	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 565

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET		GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL			12.3	14.6	17.5	19.3	19.8	20.0	20.2	20.4	20.8	21.0	21.0	21.0	21.0	21.0	21.0
GE 20000			14.6	17.3	21.0	23.2	23.7	23.9	24.1	24.3	25.5	25.7	25.7	25.7	25.7	25.7	25.7
GE 18000			15.2	17.9	21.5	23.7	24.3	24.5	24.7	24.9	26.1	26.3	26.3	26.3	26.3	26.3	26.3
GE 16000			15.2	17.9	21.5	23.7	24.3	24.9	25.1	25.3	26.5	26.7	26.7	26.7	26.7	26.7	26.7
GE 14000			16.0	18.7	22.4	24.5	25.1	25.7	25.9	26.1	27.2	27.4	27.4	27.4	27.4	27.4	27.4
GE 12000			16.9	19.6	23.3	25.5	26.1	26.8	27.0	27.2	28.4	28.6	28.6	28.6	28.6	28.6	28.6
GE 10000			17.3	20.2	24.1	26.5	27.0	27.8	28.0	28.2	29.4	29.6	29.6	29.6	29.6	29.6	29.6
GE 9000			19.1	22.0	26.1	29.0	29.6	30.4	30.5	30.7	31.9	32.1	32.1	32.1	32.1	32.1	32.1
GE 8000			22.0	25.1	29.2	33.1	33.7	35.2	35.6	36.0	37.4	37.5	37.5	37.5	37.5	37.5	37.5
GE 7000			23.0	26.1	30.4	34.6	35.2	36.8	37.2	37.5	39.3	39.7	39.7	39.7	39.7	39.7	39.7
GE 6000			23.3	26.5	30.7	35.0	35.6	37.4	37.7	38.1	39.9	40.3	40.3	40.3	40.3	40.3	40.3
GE 5000			24.9	28.0	32.5	37.2	37.7	39.7	40.1	40.5	42.2	42.6	42.6	42.6	42.6	42.6	42.6
GE 4500			24.9	28.4	32.9	37.5	38.1	40.1	40.9	41.2	43.0	43.4	43.4	43.4	43.4	43.4	43.4
GE 4000			26.3	30.0	35.6	40.9	41.4	43.4	44.2	44.6	46.5	46.9	46.9	46.9	46.9	46.9	46.9
GE 3500			28.8	33.1	38.7	44.4	44.9	46.9	47.7	48.1	50.0	50.4	50.4	50.4	50.4	50.4	50.4
GE 3000			39.5	44.2	52.1	58.4	59.1	61.7	63.0	63.4	65.6	66.0	66.0	66.1	66.1	66.1	66.1
GE 2500			42.6	48.1	56.5	63.6	64.4	67.5	69.3	69.8	72.2	72.8	73.0	73.3	73.3	73.3	73.3
GE 2000			46.3	52.5	61.3	68.9	69.5	72.8	74.7	75.7	78.4	79.0	79.2	79.6	79.6	79.6	79.6
GE 1800			46.7	53.3	62.1	69.8	70.6	73.9	76.1	77.0	79.8	80.4	80.5	80.9	80.9	80.9	80.9
GE 1500			48.6	55.4	64.2	73.3	74.3	78.7	80.4	81.3	84.2	84.8	85.4	86.2	86.2	86.2	86.2
GE 1200			50.2	57.4	66.7	76.5	77.6	81.3	83.9	84.8	87.9	88.5	89.1	89.9	89.9	89.9	89.9
GE 1000			50.2	57.4	66.7	76.7	78.0	81.7	84.2	85.2	89.3	90.1	91.1	91.8	91.8	91.8	91.8
GE 900			50.2	57.4	66.7	76.8	78.2	82.3	85.2	86.4	90.5	91.2	92.2	93.0	93.0	93.0	93.0
GE 800			50.2	57.6	66.9	77.0	78.4	82.5	85.4	86.6	90.7	91.4	92.4	93.2	93.4	93.4	93.4
GE 700			50.2	57.6	66.9	77.0	78.4	82.7	85.6	86.8	91.6	92.4	93.4	94.2	94.4	94.4	94.4
GE 600			50.2	57.6	66.9	77.2	78.6	83.1	86.0	87.2	92.0	92.8	94.2	94.9	95.5	95.5	95.5
GE 500			50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.4	92.2	93.4	94.7	95.5	96.5	96.7	96.7
GE 400			50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.4	95.7	96.5	97.5	97.7	97.9
GE 300			50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.6	99.2
GE 200			50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.8	99.8
GE 100			50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.8	99.8
GE 0			50.2	57.6	66.9	77.2	78.6	83.1	86.2	87.5	93.2	94.6	96.5	97.3	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 514

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		10.2	12.9	15.6	18.2	18.7	19.3	19.7	19.9	20.0	20.1	20.1	20.1	20.1	20.1	20.2
GE 2000		11.9	14.9	18.0	21.1	21.7	22.4	22.9	23.1	23.5	23.6	23.6	23.6	23.6	23.6	23.7
GE 1800		12.2	15.2	18.2	21.4	22.0	22.8	23.3	23.5	23.9	23.9	23.9	24.0	24.0	24.0	24.0
GE 1600		12.2	15.2	18.2	21.4	22.0	22.9	23.4	23.6	24.0	24.0	24.0	24.0	24.0	24.0	24.1
GE 1400		12.6	15.6	18.6	21.8	22.3	23.3	23.9	24.1	24.5	24.5	24.5	24.6	24.6	24.6	24.7
GE 1200		13.5	16.5	19.7	22.8	23.5	24.4	25.1	25.3	25.7	25.8	25.8	25.8	25.8	25.8	25.9
GE 1000		14.0	17.2	20.5	23.8	24.4	25.4	26.0	26.2	26.7	26.8	26.8	26.8	26.8	26.8	26.9
GE 900		15.3	18.6	22.0	25.5	26.3	27.3	27.9	28.1	28.5	28.6	28.6	28.7	28.7	28.7	28.8
GE 800		18.7	22.4	26.7	31.0	32.0	33.4	34.1	34.4	34.9	35.0	35.0	35.0	35.0	35.0	35.1
GE 700		19.7	23.4	28.1	32.9	34.0	35.6	36.4	36.7	37.3	37.5	37.5	37.6	37.6	37.7	37.9
GE 600		20.0	23.7	28.4	33.2	34.3	36.0	36.9	37.2	37.8	38.0	38.0	38.0	38.1	38.1	38.3
GE 500		20.8	24.6	29.3	34.4	35.6	37.4	38.3	38.6	39.2	39.4	39.4	39.5	39.5	39.6	39.8
GE 450		21.0	25.0	29.8	34.9	36.0	38.0	39.0	39.4	40.0	40.1	40.1	40.2	40.2	40.3	40.5
GE 400		22.2	26.4	32.1	37.9	39.2	41.4	42.4	42.8	43.6	43.7	43.8	43.8	43.9	43.9	44.1
GE 350		24.7	29.3	35.5	41.7	43.0	45.2	46.2	46.6	47.4	47.6	47.6	47.7	47.7	47.8	48.0
GE 300		32.7	37.8	46.1	53.3	54.7	57.7	58.9	59.6	60.5	60.6	60.7	60.8	60.9	60.9	61.1
GE 250		37.0	43.2	52.1	60.9	62.4	65.7	67.3	68.0	68.9	69.1	69.3	69.4	69.6	69.6	69.8
GE 200		41.1	47.8	57.2	67.3	68.9	73.1	75.2	76.1	77.6	77.8	77.9	78.0	78.2	78.2	78.4
GE 180		41.5	48.3	57.9	67.9	69.6	73.8	76.2	77.4	79.1	79.3	79.5	79.6	79.8	79.8	80.0
GE 150		43.0	50.0	59.8	70.7	72.7	77.2	79.8	81.0	82.8	83.0	83.3	83.6	83.7	83.8	84.0
GE 120		43.8	51.1	61.3	72.7	75.0	79.6	82.3	83.6	86.0	86.2	86.5	86.8	87.0	87.0	87.2
GE 100		44.0	51.4	61.7	73.1	75.5	80.2	83.4	84.7	87.9	88.3	88.8	89.1	89.2	89.3	89.5
GE 90		44.0	51.5	61.8	73.3	75.7	80.5	83.8	85.2	88.6	89.0	89.5	89.8	89.9	90.0	90.2
GE 80		44.0	51.6	61.9	73.6	76.0	80.9	84.5	86.0	89.6	90.1	90.7	91.1	91.4	91.5	91.7
GE 70		44.1	51.6	62.0	73.6	76.1	81.1	84.9	86.4	90.7	91.3	91.9	92.3	92.8	92.9	93.2
GE 60		44.1	51.6	62.0	73.8	76.3	81.4	85.2	86.8	91.3	92.2	93.0	93.5	94.2	94.3	94.6
GE 50		44.1	51.7	62.0	73.9	76.4	81.6	85.6	87.2	91.9	93.0	94.0	94.5	95.7	95.9	96.2
GE 40		44.1	51.7	62.0	73.9	76.4	81.6	85.6	87.3	92.3	93.4	94.6	95.2	96.8	97.0	97.6
GE 30		44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.7	98.2	99.3
GE 20		44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.8	98.4	99.7
GE 10		44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.8	98.4	99.8
GE 0		44.1	51.7	62.0	73.9	76.4	81.6	85.7	87.3	92.4	93.6	95.0	95.7	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM FOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL]	27.3	19.6	24.6	28.3	28.6	29.4	29.9	30.0	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.6
GE 200001	21.1	23.8	29.5	33.7	34.1	35.1	35.7	35.8	36.2	36.3	36.3	36.3	36.3	36.4	36.5	36.5
GE 180001	21.4	24.0	29.8	34.0	34.5	35.4	36.0	36.2	36.6	36.7	36.7	36.7	36.7	36.8	36.8	36.9
GE 160001	21.4	24.1	29.9	34.1	34.5	35.4	36.1	36.2	36.6	36.7	36.7	36.7	36.7	36.8	36.9	36.9
GE 140001	21.6	24.3	30.1	34.4	34.8	35.7	36.4	36.6	37.0	37.0	37.0	37.0	37.1	37.2	37.2	37.2
GE 120001	22.4	25.1	31.1	35.4	35.8	36.8	37.5	37.7	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.4
GE 100001	23.9	26.9	33.2	37.7	38.2	39.2	39.9	40.1	40.5	40.6	40.6	40.7	40.7	40.8	40.8	40.9
GE 90001	25.1	28.1	34.7	39.3	39.8	40.9	41.6	41.8	42.3	42.3	42.4	42.4	42.5	42.6	42.6	42.6
GE 80001	29.3	32.8	40.5	45.9	46.5	47.8	48.6	48.9	49.4	49.4	49.5	49.5	49.6	49.7	49.8	49.8
GE 70001	31.1	34.7	42.9	48.9	49.5	50.9	51.8	52.1	52.6	52.7	52.8	52.8	53.0	53.0	53.1	53.1
GE 60001	31.2	34.8	43.0	49.0	49.7	51.0	51.9	52.2	52.8	52.9	52.9	53.0	53.1	53.2	53.2	53.2
GE 50001	32.3	36.0	44.5	50.7	51.4	52.7	53.7	53.9	54.6	54.6	54.7	54.7	54.8	54.9	54.9	55.0
GE 45001	33.1	37.0	45.7	52.0	52.6	54.1	55.0	55.3	55.9	56.0	56.1	56.1	56.2	56.3	56.4	56.4
GE 40001	36.3	40.6	50.0	56.9	57.6	59.1	60.1	60.4	61.1	61.2	61.3	61.3	61.5	61.5	61.6	61.6
GE 35001	40.7	45.4	55.6	63.0	63.7	65.4	66.4	66.8	67.5	67.6	67.6	67.7	67.8	67.9	68.0	68.0
GE 30001	48.2	53.6	65.4	73.7	74.6	76.7	78.1	78.5	79.4	79.5	79.6	79.6	79.8	79.8	79.9	79.9
GE 25001	51.2	56.9	69.4	78.4	79.4	81.9	83.4	83.8	84.8	84.9	85.0	85.1	85.3	85.3	85.4	85.4
GE 20001	53.6	59.7	72.9	82.6	83.7	86.6	88.4	89.0	90.2	90.4	90.5	90.6	90.8	90.8	90.9	90.9
GE 18001	54.0	60.1	73.3	83.1	84.2	87.2	89.1	89.7	90.9	91.1	91.2	91.3	91.5	91.6	91.7	91.7
GE 15001	54.7	61.0	74.5	84.6	85.8	88.9	91.0	91.6	93.0	93.2	93.4	93.5	93.7	93.8	93.9	93.9
GE 12001	55.1	61.4	75.1	85.3	86.6	89.9	92.1	92.8	94.4	94.7	94.8	94.9	95.1	95.2	95.3	95.3
GE 10001	55.2	61.6	75.3	85.6	86.9	90.3	92.7	93.4	95.2	95.5	95.7	95.9	96.1	96.2	96.3	96.3
GE 9001	55.2	61.6	75.4	85.7	87.0	90.4	92.9	93.6	95.5	95.8	95.9	96.1	96.4	96.4	96.5	96.5
GE 8001	55.2	61.6	75.4	85.8	87.1	90.6	93.1	93.9	95.9	96.3	96.5	96.7	97.0	97.1	97.2	97.2
GE 7001	55.3	61.6	75.4	85.8	87.1	90.6	93.2	94.1	96.2	96.6	96.8	97.0	97.4	97.4	97.6	97.6
GE 6001	55.3	61.6	75.4	85.8	87.1	90.7	93.3	94.2	96.5	96.9	97.2	97.4	97.8	97.9	98.0	98.0
GE 5001	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.7	97.1	97.4	97.7	98.2	98.3	98.5	98.5
GE 4001	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.7	97.2	97.6	97.9	98.6	98.7	99.1	99.1
GE 3001	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.0	99.4	99.4
GE 2001	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.0	99.8	99.8
GE 1001	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.0	99.9	99.9
GE CI	55.3	61.6	75.4	85.8	87.1	90.7	93.4	94.3	96.8	97.3	97.7	98.0	98.8	99.1	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 24711

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 79,82,85,87
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	
00-02													
03-05													
06-08											100.0	10.3	7
09-11											100.0	10.3	9
12-14													
15-17											100.0	10.3	1
18-20													
21-23													
TOTALS											100.0	10.3	17

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY PERIOD OF RECORD: 78,85
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	
00-02													
03-05													
06-08													
09-11											100.0	10.3	1
12-14											100.0	10.3	1
15-17													
18-20													
21-23													
TOTALS											100.0	10.3	2

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 84,86
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02													
03-05													
06-08											100.0	10.0	3
09-11													
12-14													
15-17													
18-20													
21-23													
TOTALS											100.0	10.0	3

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78,83
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	
00-02													
03-05													
06-08													
09-11											100.0	10.0	2
12-14											100.0	10.0	1
15-17											100.0	10.0	1
18-20													
21-23													
TOTALS											100.0	10.0	4

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-78
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL OBS
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	
00-02													
03-05													
06-08													
09-11											100.0	10.0	2
12-14													
15-17													
18-20													
21-23													
TOTALS											100.0	10.0	2

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-79, 82-87
MONTH: ALL

		PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS	
	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL											100.0	10.0	17
FEB												100.0	10.0	2
MAR														
APR														
MAY														
JUN														
JUL														
AUG												100.0	10.0	3
SEP														
OCT												100.0	10.0	3
NOV												100.0	10.0	4
DEC												100.0	10.0	2
TOTALS												100.0	10.0	31

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	92.7	77.4	37.4	86.7	372
	09-11	100.0	100.0	100.0	100.0	100.0	99.9	97.0	85.0	27.0	83.8	560
	12-14	100.0	100.0	100.0	100.0	99.5	94.9	73.6	42.2	12.7	78.3	552
	15-17	100.0	100.0	100.0	100.0	99.4	93.3	70.2	40.4	9.9	77.3	537
	18-20											
	21-23											
	TOTALS	100.0	100.0	100.0	100.0	99.7	96.7	80.9	56.3	21.8	81.5	2021

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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STAND DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 DEGREE FAHRENHEIT VALUE.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS.

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTING

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM EXTRACTING THE HIGH AND LOW TEMPERATURES FROM THE HOURLY OBSERVATIONS.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
	MEAN	31.7	30.6	35.9	43.5	51.5	58.7	61.4	59.7	53.9	47.5	40.1	36.6	47.6
06-08	SD	10.175	8.695	7.411	5.903	6.226	5.933	5.429	5.369	5.778	6.796	7.914	8.395	12.405
	TOT OBS	372	364	412	575	558	569	504	570	419	394	346	380	5474
	MEAN	32.5	32.6	42.1	49.5	57.0	64.5	67.6	66.8	59.7	50.8	41.8	37.3	50.3
09-11	SD	10.238	8.047	7.062	6.910	7.394	7.108	7.046	5.719	5.606	6.887	7.920	8.026	14.400
	TOT OBS	560	543	512	620	606	611	544	611	468	596	516	591	6880
	MEAN	35.2	36.3	45.4	54.4	61.5	68.3	72.4	72.1	65.7	55.9	45.1	39.7	54.4
12-14	SD	9.313	7.323	7.066	8.079	8.454	8.073	8.228	6.897	6.626	7.529	7.830	7.985	15.222
	TOT OBS	552	541	613	601	581	589	530	595	461	587	512	565	6727
	MEAN	35.9	37.7	47.7	55.9	63.1	69.7	73.8	73.3	66.9	57.3	45.5	40.2	54.0
15-17	SD	8.853	5.961	6.802	8.727	9.443	8.329	8.550	7.431	7.003	7.804	7.599	7.847	15.407
	TOT OBS	537	533	587	435	421	419	383	425	331	558	496	514	5640
	MEAN	34.0	34.6	44.2	50.5	57.9	65.0	68.5	67.6	61.3	53.3	43.4	38.6	51.7
ALL	SD	9.767	8.168	7.909	8.805	9.017	8.461	8.752	8.253	8.045	8.205	8.100	8.173	14.712
HOURS	TOT OBS	2021	1981	2224	2233	2175	2188	1961	2201	1679	2135	1870	2050	24721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
06-08	MEAN	30.4	29.4	37.0	40.6	48.0	54.5	57.2	56.3	51.3	45.7	38.6	35.1	45.0
	SD	9.471	8.274	6.904	5.385	5.569	5.228	4.705	4.735	5.369	6.406	7.309	7.656	11.295
	TOT OBS	372	364	412	576	558	569	504	570	419	394	346	380	5474
09-11	MEAN	30.8	30.8	38.9	44.1	51.1	57.2	59.9	59.6	54.6	47.9	39.7	35.6	45.9
	SD	9.438	7.627	6.400	5.515	5.860	5.629	4.864	4.334	4.862	6.097	7.169	7.329	12.061
	TOT OBS	560	543	512	620	608	611	544	611	468	596	516	591	6880
12-14	MEAN	32.8	33.3	41.4	46.5	53.1	58.5	61.6	61.4	57.4	50.7	42.0	37.2	48.0
	SD	8.460	5.840	5.955	5.789	6.051	5.760	4.995	4.462	5.223	5.973	6.891	7.102	11.846
	TOT OBS	552	541	613	601	581	589	530	595	461	587	512	565	6727
15-17	MEAN	33.4	34.3	42.0	47.1	53.7	59.1	62.0	61.6	57.7	51.4	42.3	37.7	47.3
	SD	8.017	5.432	5.529	5.857	6.446	5.634	4.823	4.441	5.132	5.952	6.678	6.979	11.721
	TOT OBS	537	533	587	435	421	419	383	425	331	558	496	514	5640
ALL	MEAN	32.0	32.2	40.0	44.4	51.3	57.2	60.1	59.6	55.2	49.2	40.8	36.5	46.6
	SD	8.900	7.475	6.437	6.149	6.364	5.830	5.194	4.964	5.734	6.446	7.138	7.314	11.815
	TOT OBS	2021	1981	2224	2233	2178	2188	1961	2201	1679	2135	1870	2050	24721

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
06-08	MEAN	28.1	27.0	34.2	37.0	44.6	51.1	54.1	53.7	49.1	44.0	36.7	32.8	42.2
	SD	9.315	8.908	7.375	5.973	6.386	5.602	5.065	4.929	5.692	6.680	7.456	7.688	11.348
	TOT OBS	372	364	412	576	568	569	504	570	419	394	346	380	5474
09-11	MEAN	27.9	27.3	34.6	37.7	45.5	51.5	54.5	54.5	50.4	45.0	37.1	32.9	41.6
	SD	9.365	8.944	7.283	6.351	6.702	6.252	5.265	5.026	5.687	6.454	7.367	7.483	11.724
	TOT OBS	560	543	612	620	608	611	544	611	468	596	516	591	6880
12-14	MEAN	28.9	28.0	34.8	37.5	45.4	51.0	54.1	53.7	50.7	45.8	38.2	33.7	41.7
	SD	8.896	8.683	7.238	6.816	7.250	6.425	5.573	5.300	6.693	6.575	7.248	7.325	11.454
	TOT OBS	552	541	513	601	581	589	530	595	461	587	512	565	6727
15-17	MEAN	29.2	28.6	34.5	37.3	45.3	51.1	53.9	53.4	50.3	45.9	38.4	34.2	40.8
	SD	8.483	8.478	7.400	6.822	7.638	6.328	5.331	5.461	6.799	6.628	6.942	7.224	11.295
	TOT OBS	537	533	587	435	421	419	383	425	331	558	496	514	5640
ALL	MEAN	28.6	27.8	34.6	37.4	45.2	51.2	54.1	53.9	50.1	45.3	37.7	33.4	41.6
	SD	9.011	8.758	7.317	6.482	6.965	6.152	5.313	5.175	6.230	6.608	7.267	7.430	11.480
HOURS	TOT OBS	2021	1981	2224	2233	2175	2188	1961	2201	1679	2135	1870	2050	24721

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 76-87
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
FEB	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.5	98.9	92.3	80.2	42.3	87.0	364
	09-11	100.0	100.0	100.0	99.8	99.3	94.5	80.3	61.0	22.8	81.4	543
	12-14	100.0	100.0	99.8	99.1	94.3	79.9	53.4	33.5	10.2	73.0	541
	15-17	100.0	100.0	99.4	97.4	90.4	77.3	51.0	29.5	7.9	71.0	533
	18-20											
	21-23											
TOTALS		100.0	100.0	99.8	99.1	95.9	87.7	69.3	51.1	20.8	78.1	1981

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
MAR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	97.8	87.4	67.2	22.3	83.7	412
	09-11	100.0	100.0	100.0	99.7	97.5	87.3	65.2	36.8	9.6	75.6	612
	12-14	100.0	100.0	99.0	95.3	85.0	59.1	35.9	17.8	2.8	65.4	613
	15-17	100.0	100.0	96.4	93.5	75.6	50.1	31.5	14.0	2.4	62.1	587
	18-20											
	21-23											
TOTALS		100.0	100.0	98.9	97.1	89.5	73.6	55.0	34.0	9.3	71.7	2224

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
APR	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.8	98.8	93.9	76.2	46.7	10.6	78.5	576
	09-11	100.0	100.0	99.8	96.5	85.2	62.9	37.3	13.2	1.9	65.2	620
	12-14	100.0	100.0	96.0	82.5	60.1	34.4	16.1	5.3	.8	55.0	601
	15-17	100.0	99.8	91.3	73.6	51.1	29.4	16.7	3.4	.5	52.0	436
	18-20											
	21-23											
	TOTALS	100.0	100.0	96.8	88.1	73.8	55.2	36.6	17.2	3.5	62.7	2233

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 136265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM OBS
MAY	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	98.9	94.5	78.7	40.7	7.9	77.9	568
	09-11	100.0	100.0	100.0	97.9	89.2	64.5	39.8	16.0	4.3	66.6	608
	12-14	100.0	100.0	97.9	86.1	63.3	38.5	23.9	9.3	2.2	57.5	581
	15-17	100.0	100.0	96.0	75.3	54.6	34.7	21.6	9.5	1.9	54.9	421
	18-20											
	21-23											
TOTALS		100.0	100.0	98.5	89.8	76.3	58.1	41.0	18.9	4.1	64.2	2178

GLOBAL CLIMATOLOGY BRANCH
LSAFETYAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
JUN	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.5	95.1	79.3	32.2	3.9	76.3	569
	09-11	100.0	100.0	100.0	98.9	88.7	59.1	28.5	6.4	.7	63.6	611
	12-14	100.0	100.0	99.2	90.7	61.5	29.9	14.4	3.2	.2	55.3	589
	15-17	100.0	100.0	99.0	83.8	53.5	27.7	10.7	2.9	.5	53.2	419
	18-20											
	21-23											
TOTALS		100.0	100.0	99.6	93.4	75.8	52.8	33.2	11.2	1.3	62.1	2188

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
JUL	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	94.5	78.8	36.1	6.3	77.3	504
	09-11	100.0	100.0	100.0	98.5	93.5	56.9	34.2	12.3	2.2	64.1	544
	12-14	100.0	100.0	97.9	81.9	57.4	29.2	15.1	4.9	.4	54.3	530
	15-17	100.0	99.5	95.3	75.5	49.3	22.7	11.7	3.4	1.0	51.7	383
	18-20											
	21-23											
TOTALS		100.0	99.9	98.3	89.0	72.6	50.9	35.0	14.2	2.5	61.9	1961

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
AUG	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	97.7	90.9	50.5	12.3	81.0	570
	09-11	100.0	100.0	100.0	99.3	90.2	65.3	32.7	10.6	1.3	65.5	611
	12-14	100.0	100.0	99.7	85.7	52.1	27.9	11.6	4.7		53.8	595
	15-17	100.0	100.0	97.6	77.4	44.0	22.1	12.0	6.1	.5	51.5	425
	18-20											
	21-23											
TOTALS		100.0	100.0	99.3	90.6	71.6	53.3	36.8	18.0	3.5	63.0	2201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
SEP	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	93.3	67.3	20.0	84.1	419
	09-11	100.0	100.0	100.0	99.8	97.0	85.0	57.1	21.8	4.9	71.9	468
	12-14	100.0	100.0	99.1	92.0	74.4	45.8	21.7	7.8	.9	59.8	461
	15-17	100.0	100.0	97.3	86.4	64.0	39.3	18.7	6.9	.6	57.0	331
	18-20											
	21-23											
	TOTALS	100.0	100.0	99.1	94.6	83.9	67.5	47.7	26.0	6.6	68.2	1679

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	98.0	77.9	40.6	88.0	394
	09-11	100.0	100.0	100.0	100.0	99.3	97.1	84.6	53.2	21.5	81.2	596
	12-14	100.0	100.0	100.0	98.6	93.7	74.5	52.3	20.3	4.3	70.0	587
	15-17	100.0	100.0	100.0	97.8	88.7	65.5	44.1	17.0	3.6	67.2	558
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	99.1	95.4	84.1	69.8	42.1	17.5	76.6	2135

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	[RELATIVE HUMIDITY]	NUM OBS	
NOV	00-02												
	03-05												
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	94.8	79.8	42.5	87.9	346	
	09-11	100.0	100.0	100.0	100.0	100.0	98.3	87.1	64.3	28.1	83.9	516	
	12-14	100.0	100.0	100.0	100.0	99.0	92.3	69.1	37.5	16.2	77.3	512	
	15-17	100.0	100.0	100.0	100.0	99.4	93.1	68.5	36.3	13.5	76.7	496	
	18-20												
	21-23												
	TOTALS	100.0	100.0	100.0	100.0	99.6	96.0	80.4	54.5	25.1	81.5	1870	

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-86
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS
DEC	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	98.7	93.4	73.9	38.2	86.6	380
	09-11	100.0	100.0	100.0	100.0	100.0	98.1	90.0	67.2	31.3	84.6	591
	12-14	100.0	100.0	100.0	100.0	99.8	95.0	77.3	45.7	18.1	79.5	565
	15-17	100.0	100.0	100.0	100.0	99.8	96.5	79.4	45.3	16.5	79.5	514
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.9	97.1	85.0	58.0	26.0	82.6	2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
JAN	ALL	100.0	100.0	100.0	100.0	99.7	96.7	80.9	56.3	21.8	81.5	2021	
FEB		100.0	100.0	99.8	99.1	95.9	87.7	69.3	51.1	20.8	78.1	1981	
MAR		100.0	100.0	98.9	97.1	89.5	73.6	55.0	34.0	9.3	71.7	2224	
APR		100.0	100.0	96.8	88.1	73.8	55.2	36.6	17.2	3.5	62.7	2233	
MAY		100.0	100.0	98.5	89.8	76.3	58.1	41.0	18.9	4.1	64.2	2178	
JUN		100.0	100.0	99.6	97.4	75.9	52.3	33.2	11.2	1.3	62.1	2188	
JUL		100.0	99.9	98.3	89.0	72.6	50.9	35.0	14.2	2.5	61.9	1961	
AUG		100.0	100.0	99.3	90.6	71.6	53.3	36.8	18.0	3.5	63.0	2201	
SEP		100.0	100.0	99.1	94.6	83.9	67.5	47.7	26.0	6.6	68.2	1679	
OCT		100.0	100.0	100.0	99.1	95.4	84.1	69.8	42.1	17.5	76.6	2135	
NOV		100.0	100.0	100.0	100.0	99.6	96.0	80.4	54.5	25.1	81.5	1870	
DEC		100.0	100.0	100.0	100.0	99.9	97.1	85.0	58.0	26.0	82.6	2050	
TOTALS		100.0	100.0	99.2	95.1	86.2	72.7	55.9	33.5	11.8	71.2	24721	

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	FFFFFFFFF
PPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
02	MEAN													
	SD													
	TOT OBS													
05	MEAN													
	SD													
	TOT OBS													
06	MEAN	29.632	29.680	29.576	29.626	29.571	29.658	29.679	29.678	29.732	29.700	29.696	29.633	29.652
	SD	.362	.349	.302	.243	.222	.164	.149	.151	.194	.287	.301	.403	.276
	TOT OBS	186	180	204	207	204	204	181	205	155	197	173	196	2292
11	MEAN	29.650	29.687	29.587	29.627	29.566	29.651	29.674	29.674	29.734	29.705	29.712	29.652	29.657
	SD	.361	.348	.303	.239	.220	.164	.145	.149	.194	.289	.298	.407	.276
	TOT OBS	186	181	203	206	202	203	181	204	156	199	172	197	2290
14	MEAN	29.624	29.671	29.562	29.604	29.553	29.632	29.657	29.654	29.709	29.677	29.684	29.631	29.636
	SD	.361	.335	.303	.234	.213	.162	.145	.144	.193	.288	.297	.401	.272
	TOT OBS	183	180	204	200	193	196	176	197	153	194	170	182	2228
17	MEAN	29.616	29.664	29.554	29.493	29.596	29.617	29.647	29.641	29.747	29.668	29.689	29.627	29.633
	SD	.362	.320	.309	.221	.212	.159	.152	.154	.195	.295	.294	.393	.311
	TOT OBS	176	173	179	42	43	40	39	44	42	174	163	163	1278
20	MEAN													
	SD													
	TOT OBS													
23	MEAN													
	SD													
	TOT OBS													
ALL	MEAN	29.631	29.675	29.570	29.611	29.566	29.645	29.668	29.667	29.727	29.688	29.695	29.636	29.646
	SD	.361	.338	.304	.239	.218	.163	.147	.149	.194	.289	.297	.401	.281
HOURS	TOT OBS	731	714	790	655	642	643	577	650	506	764	678	738	8088

SUPPLEMENTAL DATA SECTION SPECIAL CAVEAT PAGE

1. GIVE PARTICULAR ATTENTION TO THE HOURS OF OPERATION PROVIDED AT BEGINNING OF THE LISOCs.
2. EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS WILL NOT REFLECT IN THESE SUMMARIES.
3. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES MAY NOT REFLECT TRUE 24-HOUR AMOUNTS.
 - A. RECORDED PRECIPITATION AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS.
 - B. PERIODS GREATER THAN 24 HOURS DO NOT TAKE INTO ACCOUNT EVAPORATION.
 - C. THIS 24-HOUR AMOUNT MAY, BUT MORE FREQUENTLY DOES NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT.
 - D. COMBINATIONS OF THE ABOVE LIMITATIONS TEND TO FURTHER EXAGGERATE THE QUESTIONABILITY OF THESE 24-HOUR AMOUNTS.
4. MONTHLY AMOUNTS OF PRECIPITATION (INCLUDING SNOWFALL) ARE NOT AS SERIOUSLY AFFECTED AS THE 24-HOUR VALUES. HOWEVER, EVAPORATION (SUBLIMATION) CAN CAUSE "BOGUS" AMOUNTS TO BE INCLUDED FOR NON-OPERATIONAL PERIODS WHERE THE VALUES ARE DEPENDENT ON THE LENGTH OF TIME OF THESE NON-OPERATIONAL PERIODS.
5. THE TEMPERATURES SUMMARIES REPRESENT THE "HIGH" AND "LOW" SUMMARIZED TEMPERATURES AND NOT THE ACTUAL MAXIMUM AND MINIMUM TEMPERATURES.

USAFETAC RECOMMENDS THAT COPIES OF FULL TIME PERIODS, WHEN AVAILABLE, BE ACCOMPANIED BY THE CAVEAT --EXTREMES OCCURRING OUTSIDE THE FULL TIME PERIOD SUMMARIZED ARE NOT REFLECTED IN THESE SUMMARIES.

USAFETAC ALSO RECOMMENDS LIMITED DISTRIBUTION OF THE LIMITED OR PART TIME PERIOD TO METEOROLOGIST (TECHNICIANS), AND BE ACCOMPANIED BY THIS CAVEAT PAGE.

SUPPLEMENTAL DATA SECTION--SUMMARY OF DAY DATA

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

EXTREME DAILY PRECIPITATION:	".00"	EQUALS NONE FOR THE MONTH (HUNDRETHS)
EXTREME DAILY SNOWFALL:	".0"	EQUALS NONE FOR THE MONTH (TENTHS)
EXTREME DAILY SNOW DEPTH:	"0"	EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968.
COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED BY 5-DEGREE FAHRENHEIT INCREMENTS PLUS THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87
MONTH: ALL

MONTH	TSMS	RAIN E/DR DRIZZLE	FRZING RAIN E/DR DRIZZLE	SNOW E/DR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/DR HAZE	BLOWING SNOW	DUST E/DR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN		37.8	1.5	27.7		56.9	73.4	34.0			79.8	188
FEB		22.6	.5	27.7		42.9	85.9	58.2			90.8	184
MAR		44.4		9.2	1.0	48.3	65.2	52.7			72.9	207
APR	1.9	33.2		3.4		38.6	58.5	64.0			72.9	207
MAY	6.3	44.7		.5		44.7	51.9	52.9			58.9	206
JUN	9.8	45.6			.5	45.6	50.5	54.9			55.7	204
JUL	8.3	29.0				29.0	52.7	54.4			71.6	169
AUG	5.4	31.7			.5	31.7	63.4	61.5			75.6	205
SEP	1.9	31.4				31.4	70.5	64.7			90.1	156
OCT		31.2		.5		31.2	81.4	53.8			54.4	199
NOV		34.7		7.5		39.9	77.5	37.6			60.3	173
DEC		41.9	1.0	14.6		49.5	80.3	32.8			52.8	198
TOTALS	2.8	35.1	.3	7.6	.2	40.8	67.6	51.8			77.2	2296

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02	.06	.11	.26	.51	1.01	2.51	5.01	10.01	OVER	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
				TO .05	TO .10	TO .25	TO .50	TO 1.00	TO 2.50	TO 5.00	TO 10.00	TO 20.00	TO 20.00			MEAN	GREATEST	LEAST
JAN	27.7	17.6	4.3	17.6	11.7	10.6	7.4	2.1	1.1					54.8	188	.00	2.79	.69
FEB	42.1	15.3	4.4	15.8	7.1	7.1	6.6	1.6						42.6	183	.00	2.03	.29
MAR	34.8	16.6	5.3	18.4	10.6	14.0	4.8	1.4						54.6	207	.00	2.21	.48
APR	38.2	12.6	6.8	14.5	7.7	11.6	4.8	3.9						49.3	207	.00	2.64	.16
MAY	31.1	9.7	5.8	15.0	7.8	15.5	0.7	3.9	.5					59.2	206	.00	4.66	1.21
JUN	32.4	8.9	5.4	11.3	12.3	12.7	0.5	4.9	1.5					58.8	204	.00	4.80	1.11
JUL	50.0	8.3	3.0	7.7	6.0	12.5	7.1	4.2	1.2					41.7	168	.00	4.46	.59
AUG	46.8	10.2	1.5	12.2	5.9	12.7	6.3	2.9	1.5					42.9	205	.00	2.96	.28
SEP	48.7	8.4	4.5	11.7	6.5	9.1	2.6	5.2	3.2					42.9	154	.00	3.28	.00
OCT	41.2	12.1	5.0	14.6	7.5	7.5	7.0	3.5	1.5					46.7	199	.00	3.80	.58
NOV	27.2	16.2	8.7	17.3	8.1	12.1	8.1	1.7	.6					56.6	173	.00	2.66	.21
DEC	25.8	16.2	7.6	12.6	10.1	11.6	2.5	3.0	.5					58.1	198	.00	3.92	.78
AVN	37.2	12.2	5.2	14.1	8.4	11.4	7.4	3.2	1.0					50.7	2292	.00		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77											*.43	*.42	
78	*.41	*.33	*.49	*.07	*1.29	*.45	*.51	*.68	*.38	*.32	*.15	*.55	*1.29
79	*1.90	*.36	*.61	*.39	*.44	*.97	*.39	*1.02	*.00	*.64	*.41	*1.39	*1.90
80	*.43	*.49	*.36	*.56	*.89	*1.66	*1.18	*.43	*.33	*.40	*.48	*.94	*1.66
81	*1.09	*.21	*.39	*.81	*.33	*1.63	*.87	*1.27	*1.66	*1.11	*.69	*.50	*1.66
82	*.69	*.26	*.31	*.28	*.57	*.44	*.51	*.32	*1.49	*1.29	*.34	*.64	*1.49
83	*.21	*.51	*.55	*.64	*.79	*.42	*.79	*.11	*.61	*.46	*.82	*.56	*.84
84	*.47	*.55	*.20	*.79	*.90	*.67	*.38	*.72	*.95	*.23	*1.21	*.27	*1.21
85	*.33	*.55	*.43	*.64	*.56	*.74	*.27	*1.07	*.52	*.39	*.74	*.33	*1.07
86	*.40	*.12	*.58	*.44	*.38	*.36	*.63	*.83	*1.53	*.63	*.45	*.45	*1.53
87	*.57	*.49	*.11	*.63	*.45	*1.61		*.66	*1.18	*.57			
MEAN													
S.D.													
TOTAL OBS	188	183	207	207	206	204	168	205	154	199	173	198	2292

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

TOTAL MONTHLY PRECIPITATION IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
77											*2.43	*2.28	
78	*1.40	*1.12	*2.05	*.16	*3.51	*1.87	*1.49	*1.04	*1.15	*.84	*.21	*1.73	*16.67
79	*2.58	*1.41	*1.91	*2.30	*1.42	*3.05	*1.10	*2.09	*.00	*1.17	*2.66	*3.92	*23.61
80	*1.40	*1.20	*1.27	*1.61	*1.33	*4.80	*4.46	*1.22	*1.15	*1.00	*1.06	*1.70	*23.20
81	*2.79	*.44	*1.42	*2.00	*1.59	*4.63	*2.52	*2.55	*1.84	*3.61	*1.41	*3.74	*28.53
82	*2.44	*.46	*.37	*.78	*1.47	*1.11	*1.29	*1.70	*1.69	*3.80	*1.38	*2.54	*19.53
83	*.69	*1.63	*1.01	*2.64	*4.66	*1.28	*1.54	*.28	*2.22	*1.04	*.93	*1.26	*19.28
84	*2.35	*2.03	*.55	*1.31	*3.93	*1.35	*.84	*1.77	*3.28	*.90	*1.50	*.78	*20.69
85	*.87	*.93	*.39	*1.49	*2.40	*2.59	*.59	*2.96	*.88	*.58	*1.57	*.80	*16.65
86	*1.39	*.29	*2.21	*1.88	*1.79	*1.36	*2.29	*1.97	*2.96	*2.08	*1.13	*1.36	*20.71
87	*.91	*1.05	*.48	*.91	*1.21	*4.76		*2.59	*2.30	*2.05			
MEAN													
S.D.													
TOTAL OBS	188	183	207	207	206	204	168	205	154	199	173	198	2292

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

AMOUNTS IN INCHES																		
MONTH	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4	% DAYS WITH MEAS- AMTS	TOTAL OBS	MONTHLY AMOUNTS		
																MEAN	GREATEST	LEAST
JAN	64.5	16.1	5.9	8.6	2.2	1.1		1.6						19.4	186	.0	11.7	TRACE
FEB	64.5	21.3	4.4	7.1	2.2		.5							14.2	183	.0	5.0	.0
MAR	87.0	10.6	1.4	1.0										2.4	207	.0	1.4	.0
APR	95.7	3.9	.5											.5	207	.0	.2	.0
MAY	100.0														206	.0	.0	.0
JUN	100.0														204	.0	.0	.0
JUL	100.0														169	.0	.0	.0
AUG	100.0														205	.0	.0	.0
SEP	100.0														156	.0	.0	.0
OCT	99.5	.5													199	TRACE	TRACE	.0
NOV	89.0	8.1	1.7	.6		.6								2.9	173	.0	3.7	.0
DEC	79.3	11.6	1.5	2.5	4.3		.5	.5						9.1	198	.0	17.7	.0
ANN	90.0	6.0	1.3	1.6	.7	.1	.1	.2						4.0	2293	.0		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265 STATION NAME: BAD KRELTZBACH AAF GERMANY

PERIOD OF RECORD: 77-87

MONTH	AMOUNTS IN INCHES													% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 43	49 TO 60	61 TO 120	OVER 120			MEAN	GREATEST	LEAST
JAN	59.4	10.7	8.0	5.9	8.6	7.5								29.9	187			
FEB	68.3	12.0	9.8	4.4	2.7	2.7								19.7	183			
MAR	95.7	4.3													207			
APR	100.0														207			
MAY	100.0														206			
JUN	100.0														204			
JUL	100.0														169			
AUG	100.0														205			
SEP	100.0														156			
OCT	100.0														199			
NOV	93.6	2.9	.6		1.7	.6						.6		3.5	173			
DEC	84.7	5.6	4.0	3.5	1.0	1.5								10.1	198			
ANN	91.8	3.5	1.9	1.1	1.2	1.0						.0		5.3	2294			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

DAILY SNOW DEPTH IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	ALL MONTHS
77											*TRACE	*2	
78	*TRACE	*2	*0	*0	*0	*0	*0	*0	*0	*0	*0	*1	*2
79	*6	*1	*0	*0	*0	*0	*0	*0	*0	*0	*0	*0	*6
80	*1	*0	*TRACE	*0	*0	*0	*0	*0	*0	*0	*TRACE	*2	*2
81	*5	*1	*0	*0	*0	*0	*0	*0	*0	*0	*0	*6	*6
82	*6	*1	*0	*0	*0	*0	*0	*0	*0	*0	*0	*0	*6
83	*TRACE	*1	*0	*0	*0	*0	*0	*0	*0	*0	*TRACE	*TRACE	*1
84	*1	*TRACE	*TRACE	*0	*0	*0	*0	*0	*0	*0	*0	*0	*1
85	*3	*4	*TRACE	*0	*0	*0	*0	*0	*0	*0	*4	*2	*4
86	*2	*3	*0	*0	*0	*0	*0	*0	*0	*0	*0	*1	*3
87	*2	*3	*TRACE	*0	*0	*0	*0	*0	*0	*0			
MEAN													
S.D.													
TOTAL OBS	187	183	207	207	206	204	169	205	156	199	172	198	2293

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

TOTAL MONTHLY SNOWFALL IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
77											*TRACE	*2.4	
78	*1.0	*6.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*.7	*7.7
79	*17.2	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.4	*.0	*10.6
80	*2.1	*.0	*.2	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*1.5	*3.8
81	*11.7	*1.9	*.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*17.7	*31.3
82	*7.4	*1.3	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*8.7
83	*TRACE	*2.3	*.5	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*2.8
84	*3.8	*TRACE	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.2	*4.2
85	*2.3	*4.7	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*3.7	*3.5	*14.2
86	*5.9	*3.5	*TRACE	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*3.2	*12.6
87	*2.9	*4.7	*1.4	*.0	*.0	*.0		*.0	*.0	*.0			
MEAN													
S.D.													
TOTAL OBS	166	183	207	207	206	204	169	205	156	199	173	198	2293

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KRELNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77											*TRACE	*2.4	
78	*1.0	*2.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*.7	*2.0
79	*6.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.4	*.0	*6.0
80	*1.2	*.0	*.2	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*1.5	*1.5
81	*6.0	*1.0	*.0	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*4.7	*6.0
82	*5.0	*.7	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*5.0
83	*TRACE	*1.3	*.5	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*TRACE	*TRACE	*1.3
84	*.0	*TRACE	*TRACE	*.2	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*.1	*2.0
85	*1.0	*4.3	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*2.5	*1.8	*4.3
86	*2.2	*1.6	*TRACE	*TRACE	*.0	*.0	*.0	*.0	*.0	*.0	*.0	*2.0	*2.2
87	*.9	*1.7	*.7	*.0	*.0	*.0		*.0	*.0	*.0			
MEAN													
S.D.													
TOTAL OBS	186	183	237	207	206	204	159	205	156	199	173	198	2293

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 126265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

DAILY PEAK GUSTS IN KNOTS													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
77													
78	24* 40	30* 26	23* 44	5* 30	1* 20	27* 26	25* 30	27* 29	25* 31	26* 21	29* 42	24* 34	
79	25* 37	27* 24	24* 30	24* 26	25* 37	7* 25	24* 19	24* 21	35* 11	24* 23	24* 31	24* 48	23* 44
80	27* 38	25* 32	24* 27	27* 33	7* 23	28* 23	28* 22	28* 29	27* 26	24* 29	24* 29	24* 26	24* 48
81	25* 38	25* 30	26* 36	1* 19	31* 19	24* 18	13* 23	23* 23	5* 18	28* 29	33* 30	25* 39	27* 38
82	24* 29	29* 19	24* 34	26* 30	26* 24	29* 25	27* 16	25* 23	26* 13	24* 40	25* 27	25* 38	25* 39
83	27* 34	24* 52	26* 33	27* 28	22* 22	14* 26	27* 20	24* 30	26* 24	31* 24	27* 17	26* 18	24* 40
84	25* 37	25* 38	25* 34	8* 19	6* 25	25* 23	28* 38	26* 48	30* 30	24* 50	8* 12	25* 17	24* 52
85			24* 33	27* 30	26* 27	28* 31	30* 31	27* 34	25* 28	26* 25	23* 35	25* 27	24* 50
86	26* 42	8* 23	25* 36	25* 24	25* 27	25* 32	24* 25	6* 27	26* 28	27* 36	22* 25	26* 42	26* 42
87	23* 34	27* 24	23* 38	25* 24	23* 25	24* 34		25* 22	26* 25	24* 37			
MEAN													
S.D.													
TOTAL OBS	167	164	196	206	203	188	168	205	154	192	164	195	2202

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265

STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 95					.5		1.2						.1
GE 90							7.1	1.5					.7
GE 85					1.5	3.9	12.4	8.3	.6				2.2
GE 80					3.9	17.2	33.7	24.9	5.8	1.0			7.1
GE 75				1.9	12.6	33.8	52.7	51.7	19.9	3.5			14.5
GE 70				8.7	29.1	52.9	69.2	74.6	48.1	9.5			24.0
GE 65			1.0	16.9	40.3	72.1	86.4	89.8	64.1	17.6	.6		31.9
GE 60			5.3	38.2	64.6	91.7	100.0	100.0	87.8	38.2	2.9	1.5	43.9
GE 55	2.1	1.1	22.2	59.4	80.6	99.0			97.4	63.8	15.6	5.6	53.7
GE 50	6.9	9.2	44.4	82.1	95.6	100.0			100.0	91.5	37.0	17.7	65.5
GE 45	20.7	23.4	80.2	94.2	99.0					98.5	63.6	34.3	76.4
GE 40	76.2	38.0	89.9	97.5	100.0					99.0	78.0	52.0	97.4
GE 35	65.4	69.6	98.1	100.0						100.0	93.6	76.3	92.0
GE 30	78.7	89.1	99.0								99.4	92.9	96.6
GE 25	89.9	97.3	100.0								100.0	98.5	98.8
GE 20	94.7	98.9										99.5	99.4
GE 15	97.9	100.0										100.0	99.8
GE 10	100.0												100.0
MEAN	36.7	38.4	49.0	57.0	63.5	70.7	75.2	74.7	68.2	58.2	46.6	40.9	56.6
SD	9.131	7.331	7.087	8.578	9.162	8.057	8.515	7.033	7.035	7.928	7.739	8.294	15.591
TOTAL OBS	188	184	207	207	206	204	169	205	156	199	173	198	2296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 136265

STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 75					.5		1.8	1.0					.1
GE 70					1.0	6.9	13.0	3.9	2.6				.3
GE 65					5.3	31.4	49.1	37.6	7.7				2.2
GE 60			.5							1.5	.6		11.1
GE 55			3.4	1.9	20.4	61.3	85.2	79.5	38.5	12.1	2.3		25.0
GE 50	1.6		7.7	11.1	55.3	95.1	98.2	94.1	73.7	38.7	9.8	4.0	40.4
GE 45	5.9	3.8	19.8	34.3	81.1	99.5	100.0	99.5	91.0	66.8	31.2	15.2	53.7
GE 40	13.3	9.2	38.2	61.4	93.2	100.0		100.0	98.7	83.9	45.1	28.3	64.2
GE 35	44.7	29.3	67.1	88.9	100.0				100.0	95.0	78.0	59.6	80.3
GE 30	52.7	36.4	77.8	95.7						97.0	81.5	67.2	84.1
GE 25	64.9	58.2	90.3	99.5						100.0	90.2	78.3	90.2
GE 20	77.7	78.8	97.1	100.0							97.1	88.9	95.0
GE 15	83.0	87.5	99.0								98.8	98.0	97.3
GE 10	92.6	95.7	99.5								100.0	100.0	99.0
GE 5	95.7	97.3	100.0										99.4
GE 0	97.3	98.9											99.7
GE -5	99.5	100.0											100.0
GE -10	100.0												100.0
MEAN	30.7	29.8	38.3	41.9	49.6	56.9	59.3	57.8	52.3	46.7	39.6	35.5	44.9
SU	10.467	9.426	7.598	5.720	6.286	5.478	4.807	5.220	5.957	6.761	7.820	7.997	12.133
TOTAL OBS	188	184	207	207	206	204	169	205	156	199	173	198	2296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MEAN TEMPERATURES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106265

STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 80					.5		3.0						.3
GE 75					1.0	4.9	15.4						2.2
GE 70					3.4	23.5	37.9	27.3	5.1	.5			8.0
GE 65				.5	13.1	44.6	66.3	66.3	21.8	3.5			17.8
GE 60			1.4	5.8	34.5	73.0	89.9	90.7	56.4	15.6	1.2		30.2
GE 55			5.8	26.1	51.7	96.1	100.0	100.0	89.7	39.2	5.2	1.0	43.3
GE 50	3.7	2.2	15.9	49.8	85.4	100.0			98.1	65.8	24.3	6.6	54.1
GE 45	8.5	8.2	47.3	79.2	97.1				100.0	91.0	41.6	23.7	66.5
GE 40	26.6	23.4	77.8	95.7	100.0					98.0	73.4	48.0	78.8
GE 35	59.0	51.1	92.8	99.5						99.5	85.0	69.7	88.2
GE 30	72.3	77.2	93.1	100.0						100.0	96.0	84.8	94.1
GE 25	93.0	91.3	99.0								100.0	95.5	97.4
GE 20	92.0	96.7	100.0									99.5	99.0
GE 15	94.7	98.9										100.0	99.5
GE 10	97.3	100.0											99.8
GE 5	100.0												100.0
MEAN	34.0	34.4	43.9	49.7	56.3	64.1	67.5	66.5	60.6	52.8	43.4	38.5	51.0
SD	9.509	7.379	6.572	6.284	6.957	6.274	6.008	5.026	5.270	6.619	7.515	7.805	13.477
TOTAL OBS	188	184	207	207	206	204	169	205	156	199	173	198	2296

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 106265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

WHOLE DEGREES FAHRENHEIT													
	-M-O-N-T-H-S-												ALL
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MONTHS
77											*66	*48	
78	*48	*55	*64	*60	*73	*87	*84	*87	*80	*69	*53	*55	*87
79	*41	*46	*57	*64	*91	*87	*86	*86	*70	*79	*59	*61	*91
80	*50	*55	*63	*75	*73	*81	*82	*82	*81	*66	*59	*52	*82
81	*45	*50	*56	*72	*84	*88	*88	*86	*77	*70	*59	*48	*88
82	*54	*50	*63	*68	*82	*88	*90	*86	*77	*63	*61	*54	*90
83	*57	*54	*63	*70	*75	*82	*97	*90	*77	*79	*54	*50	*97
84	*46	*48	*55	*73	*70	*82	*95	*90	*75	*70	*52	*48	*95
85	*55	*52	*57	*77	*77	*82	*90	*93	*86	*82	*63	*63	*93
86	*50	*37	*59	*66	*81	*88	*91	*84	*75	*79	*59	*52	*91
87	*43	*54	*59	*77	*75	*84		*86	*82	*68			
MEAN													
S.D.													
TOTAL OBS	188	184	207	207	206	204	169	205	156	199	173	198	2296

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 176265 STATION NAME: BAD KREUZNACH AAF GERMANY

PERIOD OF RECORD: 77-87

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77											*19	*21	
78	*30	*23	*35	*32	*41	*48	*48	*46	*42	*35	*24	*15	*15
79	*1	*24	*35	*33	*37	*53	*51	*46	*43	*34	*36	*30	*1
80	*16	*25	*30	*36	*37	*50	*48	*43	*43	*39	*25	*19	*16
81	*18	*18	*32	*30	*39	*50	*52	*48	*43	*34	*25	*18	*18
82	*-6	*18	*28	*30	*35	*50	*54	*50	*46	*36	*30	*30	*-6
83	*28	*18	*30	*34	*45	*48	*54	*50	*41	*30	*19	*21	*18
84	*25	*19	*25	*37	*37	*45	*52	*50	*46	*37	*30	*32	*19
85	*12	*3	*28	*34	*39	*48	*52	*46	*41	*32	*27	*19	*3
86	*19	*9	*27	*28	*43	*43	*48	*46	*39	*32	*32	*28	*9
87	*1	*18	*14	*32	*39	*48		*46	*39	*37			
MEAN													
S.D.													
TOTAL OBS	189	184	207	207	206	204	169	205	156	199	173	198	2296

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

END

DATE
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