AD-A159 608 PIRMASENS AHP DL WEST GERMANY LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMA..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A..

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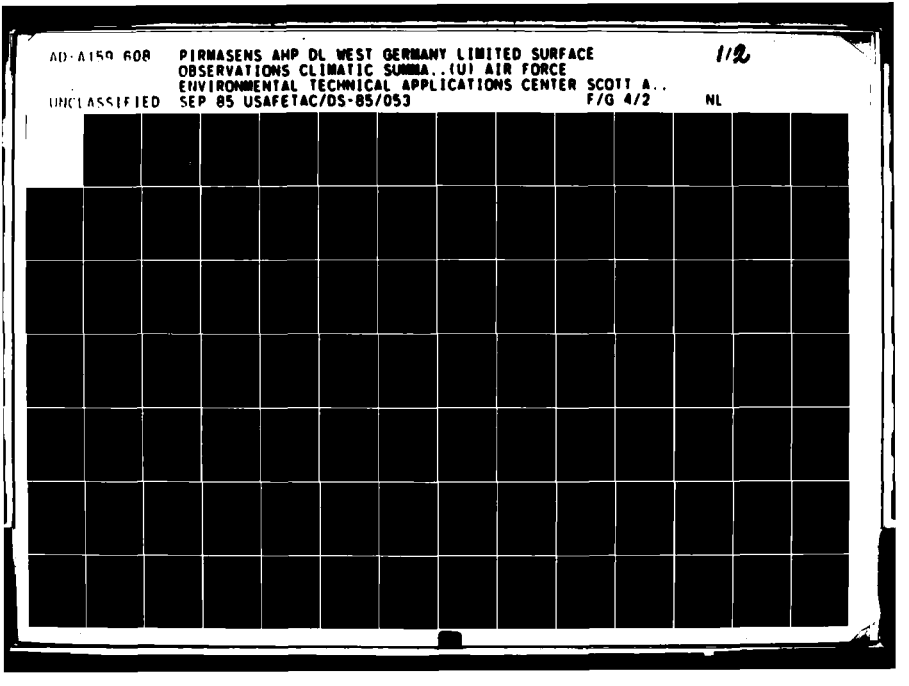
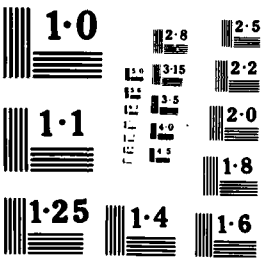
UNCLASSIFIED SEP 85 USAFETAC/DS-85/053 F/G 4/2 NL

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"LIMITED SURFACE OBSERVATIONS"
CLIMATIC SUMMARY "LISOCS"

23 SEP 1985

PIRMASENS AHP DL MSC #106145
N 49 13 E 007 37 ELEV 1362FT EDIV

PARTS A,C-F HOURS SUMMARIZED: 0600 - 1700 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JUN 75 - MAY 85
SUMMARY OF DAY DATA: NONE:

TIME CONVERSION GMT TO LST: +1

20 SEP 1985

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REVIEW AND APPROVAL STATEMENT

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

FOR THE COMMANDER

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Document Research Section
USAFETAC/LDX

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SECURITY CLASSIFICATION OF THIS PAGE

AD-A153 667

REPORT DOCUMENTATION PAGE

1a REPORT SECURITY CLASSIFICATION: Unclassified	1b RESTRICTIVE MARKINGS
2a SECURITY CLASSIFICATION AUTHORITY	3 DISTRIBUTION/AVAILABILITY OF REPORT: Approved for public release; distribution unlimited.
2b DECLASSIFICATION/DOWNGRADING SCHEDULE	
4 PERFORMING ORGANIZATION REPORT NUMBER(S): USAFETAC/DS-85/053	5 MONITORING ORGANIZATION REPORT NUMBER(S): USAFETAC/DS-85/053
6a NAME OF PERFORMING ORGANIZATION: USAFETAC/OL-A; 6b OFFICE SYMBOL (If applicable)	7a NAME OF MONITORING ORGANIZATION: USAFETAC
6c ADDRESS (City, State, and ZIP Code): Federal Building, Asheville, NC 28801	7b ADDRESS (City, State, and ZIP Code): Scott AFB, IL 62225-5438
8a NAME OF FUNDING/SPONSORING ORGANIZATION; 8b OFFICE SYMBOL (If applicable)	9 PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER
8c ADDRESS (City, State, and ZIP Code)	10 SOURCE OF FUNDING NUMBERS: PROGRAM ELEMENT NO; PROJECT NO; TASK NO; WORK UNIT ACCESSION NO

11 TITLE (Include Security Classification): PIRMASENS AHP WEST GERMANY (Lirocs) (Unclassified)

12 PERSONAL AUTHOR(S)

13a TYPE OF REPORT	13b TIME COVERED	14 DATE OF REPORT (Year, Month, Day)	15 PAGE COUNT
Data Summary	FROM JUN 75 TO MAY 85	SEP 85	120

16 SUPPLEMENTARY NOTATION

17 COSATI CODES			18 SUBJECT TERMS (Continue on reverse if necessary and identify by block number)
FIELD	GROUP	SUB-GROUP	
04	02		*climatology *weather *meteorological conditions

(continued over)

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

A statistical data summary of surface weather observation climatology for:

PIRMASENS AHP WEST 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 A, Weather Conditions and Atmospheric Phenomena; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; and PART F, Pressure Summaries. Note that PART B, Precipitation, is omitted. See USAFETAC/TN-83/001 (AD-A132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWOs), for complete descriptions of contents and instructions for use.

20 DISTRIBUTION/AVAILABILITY OF ABSTRACT	21 ABSTRACT SECURITY CLASSIFICATION
☐ UNCLASSIFIED/UNLIMITED ☒ SAME AS RPT ☐ DTIC USERS	Unclassified
22a NAME OF RESPONSIBLE INDIVIDUAL: Marie Wakefield	22b TELEPHONE (Include Area Code): (618) 256-2625; 22c OFFICE SYMBOL: USAFETAC/LDD

DD FORM 1473, 84 MAR — 83 APR edition may be used until exhausted. All other editions are obsolete.

SECURITY CLASSIFICATION OF THIS PAGE
UNCLASSIFIED

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18. Subject terms cont.

winds precepitation temperature visibility
barometric pressure relative humidity
sky cover psychrometric data ceiling

Limited Surface Observations Climatic Summary
LISOCS

PIRMASENS AHP WEST GERMANY
DL 106145

UNCLASSIFIED

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

LIMITED SURFACE OBSERVATIONS
CLIMATIC SUMMARIES
(LISOCS)

DEFINITION: A RUSSWO-like set of summaries of hourly observations for the station's normal operating hours.

Hourly Observations: Those record or record-special observations recorded at established hourly intervals.

General Comments:

1. The hourly data are screened to exclude extraneous or occasional hours outside the normal observing hours.

2. A brief description preceeds each summary.

3. Summaries containing "TOTALS" and "ALL HOURS" are only from the hours summarized. These values are representative only for the operating hours.

4. The monthly and annual "ALL HOURS" summaries are not presented because they are not representative, and would result in meaningless or biased values.

5. There are no "Sky Cover" nor "Sea Level Pressure" summaries for METAR stations.

Table of Contents: AWS Form 2 "Station History"
Part 1: Weather Conditions
Part 2: Surface Winds
Part 3: Ceiling Versus Visibility; Sky Cover
Part 4: Daily High, Low, Mean Temperatures; Max High and Min Low Temperatures; Psychrometric Tables; Mean and Standard Deviation of Temperatures; Relative Humidity
Part 5: Station Pressure; Sea Level Pressure

Standard 3-Hour Groups: All summaries having diurnal variations are summarized in 3-hour periods corresponding to the following sets of hourly observations and limited to normal observation reporting hours (LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

Note that the first and last hour groups may or may not contain all three hours. See hours summarized on front cover to determine which hours are included in these two hour groups.

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
106145	PIRMASENS AHF GERMANY	N 49 13	E 007 37	1362 FT	EDIV	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Pirmasens AHF Germany	AHF	JUL 72	DEC 72	N 49 13	E 007 37	1362	Unkn	9-12
2	Same	AHF	JAN 73	MAY 85	Same	Same	1362	Unkn	11

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	-----	N/A	N/A	N/A	N/A	

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	RADIO WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WEATHER CONDITIONS

1

PART 1

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented by month by the available 3-hour groups.

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

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

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

Snow and/or sleet (ice pellets)--Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets. (Snow pellets also known as soft hail.)

Hail--Occurrences of hail.

Percentage of observations with precipitation--Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentage of the observations with precip.

Fog--Included are fog, ice fog, and ground fog.

Smoke and/or haze--Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowirg snow--Occurrences of blowing snow.

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

Blowing spray--This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision--Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

Continued on Reverse

NOTE: 1. For METAR stations beginning Jan 68 and Synoptic reporting stations, only the highest order of atmospheric phenomena was reported, recorded on the AWS Forms 10a, and transmitted longline. Beginning Jan 70, METAR stations recorded all atmospheric phenomena on the AWS Form 10a, but transmitted longline only the highest order. For example, if the observation consisted of rain, fog and smoke, only the rain was transmitted longline. Our data base, as a result, contains only rain for that observation. Because of these reporting procedures the summaries for METAR and Synoptic reporting stations are highly questionable in the hourly summaries. This primarily effects the obstruction to vision columns, but may also have minor effects on the precipitation columns.

2. When the value of ".0" appears in the summaries, it represent one or more occurrences amounting to less than .05 percent.

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

MONTH	HOURS L S T	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION STATION NAME YEARS MONTH

MONTH	HOURS L S T	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	.2	.2									1.7	2.9
NNE	.3	.3	.2									.8	5.0
NE	.9	.8										1.7	3.5
ENE	1.7	1.7	.6									4.1	4.3
E	3.3	.8	.5									4.6	3.3
ESE	1.1	.8	.9									2.8	4.8
SE	1.1	.8	.2									2.1	3.8
SSE	1.1	1.4	.8									3.3	5.0
S	.5	.8	.6									1.9	5.1
SSW	.8	2.5	1.7	.5								5.5	6.5
SW	3.3	4.3	3.2	1.3								12.0	6.0
WSW	3.3	6.0	6.6	.5	.2							16.6	6.3
W	2.2	4.4	5.5	2.1	.6							14.8	7.7
WNW	1.1	1.1	.3	.2								2.7	4.7
NW	1.1	.2	.2	.3								1.7	4.9
NNW	.2	.3										.5	3.7
VARIABLE		.2	2.4	.9	.3							3.8	10.5
CALM	//////////											19.3	//////
TOTALS	23.5	26.5	23.9	5.7	1.1							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	1.0										1.4	4.3
NNE	.2	1.0	.2									1.4	5.0
NE	.7	.5										1.2	3.0
ENE	.7	1.7	.2									2.6	4.0
E	2.1	1.4	.2									3.8	3.7
ESE	2.9	1.4	1.2									5.5	4.2
SE	.2	.7										1.0	4.3
SSE	1.2	.5	.7									2.4	4.3
S	1.0	.7	.5									2.1	4.7
SSW	2.1	2.9	1.4	.2								6.7	5.4
SW	2.9	4.1	4.5	1.0	.2							12.6	6.7
WSW	4.8	4.8	4.8	.7	.5							15.5	6.3
W	2.4	4.8	6.0	1.7	.2	.2						15.3	7.4
WNW	1.2	1.2	.7	.2								3.3	5.2
NW		.2										.2	5.0
NNW		.2										.2	4.0
VARIABLE		.2	2.1	1.4								3.8	9.8
CALM	////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SURFACE WINDS

PART 2

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

Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm vs 11 wind speed (knots) increments in Beaufort classifications. Percentages are shown for both directions and speed, and in addition the mean wind speed is given for each direction.

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

These tables are prepared for all years combined, by month by available 3-hour groups.

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

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

MONTH	HOURS (L S T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

MONTH	HOURS (L S T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
TOTALS													

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

WEATHER CONDITIONS

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

MONTH	HOURS (L S T)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
TOTALS													

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

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
TOTALS													

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

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

[illegible] FREQUENCY OF OCCURRENCE OF WEATHER
[illegible] HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
TOTALS													

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

WEATHER CONDITIONS

STATION | STATION NAME | YEARS | MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
			1.3		7.		1%.	11.1	..				
	-1		13.4		5.6	.2	17.8	14.3	13..			17.	
	-1	..	13.4		3..	.3	1..4	7..	5.			1..	
	-1	..	1..7		2.4		14.7	2.5	0.4			1..	
	-												
	-2												
TOTALS		..	1..2		4.	.1	1..	14.0	..			2..	

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

WEATHER CONDITION

STATION | STATION NAME | YEARS | MONTH

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
TOTALS													

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	1.0	.3	.2								2.4	4.5
NNE	.3	.3										.6	3.8
NE	.8	1.1	.2									2.1	3.9
ENE	1.7	1.4	.3									3.5	4.1
E	3.5	1.4	.2	.2								5.2	3.4
ESE	2.9	.5	1.0									4.3	4.0
SE	.5	.6	.6									1.7	5.5
SSE	.8	.6	.6									2.1	4.8
S	1.1	1.1	1.3									3.5	5.5
SSW	1.4	1.9	.8	.5								4.6	5.4
SW	2.1	5.7	2.9	1.6								12.2	6.5
WSW	3.7	6.5	4.3	1.1								15.6	6.0
W	2.1	5.1	5.7	2.5	.3							15.7	7.6
WNW	.2	1.7	.3	.3								2.5	6.2
NW	.6	.6	.2									1.4	3.8
NNW	.8	.3	.2									1.3	3.3
VARIABLE			3.3	1.1	.6							5.1	10.5
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	16.1	//////
TOTALS	23.4	30.0	22.1	7.5	1.0							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.1	.7	.3	.2								2.3	4.7
NNE	.8	.7	.2									1.6	4.1
NE	.7	1.3	.2									2.1	4.3
ENE	2.4	1.0	.3									3.7	3.2
E	2.9	1.5	1.0	.2								5.5	3.8
ESE	1.6	.7	.8									3.1	4.6
SE	.7	.8	.3									1.8	4.5
SSE	.7	2.0	.8									3.4	5.5
S	1.0	1.3	1.0	.2								3.4	5.7
SSW	1.3	2.3	1.1									4.7	4.9
SW	3.6	2.8	4.1	1.0								11.4	6.1
WSW	2.3	6.2	3.4	1.0	.3							13.2	6.5
W	2.3	3.6	5.5	1.6	.8							13.8	8.0
WNW	.5	1.8	.8	.5								3.6	6.5
NW	1.0	.2										1.1	3.0
NNW	.7	.5										1.1	3.4
VARIABLE			3.6	1.3	1.3	.2						6.4	11.8
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	.3										1.0	2.8
NNE	1.8	.8										2.6	3.1
NE	2.3	.5										2.9	2.3
ENE	3.1	1.6										4.7	3.2
E	6.8	6.0	1.8	.3								14.9	4.3
ESE	2.1	1.0	.8									3.9	4.2
SE	1.0	3.9	.3									5.2	4.5
SSE	.8	1.0	1.3									3.1	5.7
S	.3	1.6	.3									2.1	4.8
SSW	.3	.8	.8	.5	.3							2.6	8.7
SW	1.6	1.0	3.1	.3								6.0	6.5
WSW	2.9	3.1	3.9	.8								10.7	6.1
W	2.1	2.3	3.4	.5								8.3	6.4
WNW		.8	.8		.3							1.8	9.3
NW			.3									.3	7.0
NNW													
VARIABLE			1.6	.3								1.8	9.6
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	.3	.3									2.4	3.4
NNE	2.4	1.0	.2									3.7	3.3
NE	3.0	.7										3.7	2.5
ENE	3.5	.9	.2									4.5	2.9
E	7.3	6.1	.5									13.9	3.7
ESE	3.0	2.3	1.4	.2								6.8	4.7
SE	1.2	1.7	.3									3.3	4.4
SSE	1.4	3.0	.5									4.9	4.5
S	.2	2.1	.7									3.0	5.6
SSW	.7	.9	.5	.3								2.4	6.1
SW	2.1	1.9	.7	.5								5.2	5.0
WSW	1.9	3.0	3.3	1.4	.3							9.9	7.2
W	1.2	3.7	3.5	.9								9.2	7.2
WNW	.7	.5	.7									1.9	5.1
NW	.2											.2	2.0
NNW	.2	.3	.2									.7	4.8
VARIABLE			2.8	.2	.3							3.3	10.0
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	21.0	//////
TOTALS	30.6	28.3	15.8	3.5	.7							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 575

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.1	1.7	.3									4.2	3.7
NNE	1.7	1.4	.2									3.3	3.2
NE	2.6	1.2	.2									4.0	3.0
ENE	3.8	.9										4.7	3.0
E	5.9	5.7	1.7									13.4	4.2
ESE	3.5	3.8	1.0									8.4	4.2
SE	1.7	1.9	.3									4.0	4.0
SSE	1.6	1.2	.5									3.3	4.2
S	1.4	1.6	.5									3.5	4.1
SSW	.9	.9	.3									2.1	4.9
SW	2.1	1.6	.7	.3								4.7	4.7
WSW	1.9	2.8	2.1	1.7								8.5	7.0
W	1.9	4.4	3.8	1.9	.2							12.2	7.1
WNW	1.2	.9	.2	.2								2.4	4.4
NW	.7	.2		.2								1.0	4.0
NNW	.7	.7	.2									1.6	4.6
VARIABLE			3.7	.7	.2							4.5	9.5
CALM	//////////											14.1	//////
TOTALS	33.8	30.8	15.9	5.1	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 574

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.5	1.6	.2									4.2	3.8
NNE	2.6	1.4	.2									4.2	3.2
NE	2.3	1.6										3.9	3.4
ENE	3.0	1.1	.4									4.4	3.4
E	4.7	5.1	.5									10.3	3.9
ESE	3.0	3.7	1.8									8.4	4.6
SE	2.6	1.9	.4									4.9	3.8
SSE	1.2	1.6	.5	.2								3.5	4.8
S	.5	2.8	.9									4.2	5.3
SSW	.9	1.1	.4									2.3	4.5
SW	1.6	.9	1.1									3.5	4.7
WSW	3.3	3.0	2.1	2.3								10.7	6.8
W	2.1	4.9	3.0	.7								10.7	6.3
WNW	1.6	1.1	1.1	.4								4.0	5.4
NW	1.1	.5										1.6	3.1
NNW	.9	.5	.2									1.6	3.9
VARIABLE			3.3	.2								3.5	8.4
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	14.2	//////
TOTALS	33.8	32.6	15.8	3.7								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 571

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	.7	.7	.2								2.4	5.5
NNE	.7	.9	.7									2.2	5.4
NE	1.3	1.8										3.1	3.6
ENE	1.5	2.0	.2									3.7	4.0
E	.9	1.3	.9	.4								3.5	5.7
ESE	.4	.7	1.1									2.2	6.9
SE	1.3	1.1	.7									3.1	4.1
SSE	1.8	.9	.2									2.8	3.5
S	1.3	1.1	1.5	.2								4.2	5.8
SSW	.7	3.7	1.8									6.1	5.8
SW	2.4	4.6	3.1	.9								10.9	6.3
WSW	4.2	5.7	5.0	.9								15.8	6.0
W	1.3	4.2	5.0	1.3								11.8	7.3
WNW	.4	.4		.7								1.5	7.7
NW	.4											.4	2.5
NNW	.7											.7	2.3
VARIABLE			1.5	.9								2.4	10.4
CALM	//////////											23.2	//////
TOTALS	20.1	28.9	22.3	5.5								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.5	1.2	1.2									4.0	4.9
NNE	1.5	1.1	.3									2.9	3.8
NE	1.8	.9	.5									3.2	3.5
ENE	2.7	1.4	.3									4.4	3.6
E	1.8	1.7	.5									4.0	4.0
ESE	1.4	.8	1.5									3.7	5.3
SE	1.7	.3	1.4									3.3	4.7
SSE	1.2	1.5	.6									3.3	4.5
S	.3	1.7	.5									2.4	5.0
SSW	1.7	1.8	1.4	.3								5.2	5.5
SW	2.9	4.3	2.9	1.5								11.6	6.2
WSW	1.8	5.5	4.9	1.4								13.5	6.7
W	3.0	5.8	5.2	2.0								16.0	6.5
WNW	.6	.6	.2	.2								1.5	5.4
NW	.5	.5										.9	3.8
NNW	.3	.3	.2									.8	4.2
VARIABLE		.2	4.1	2.1								6.4	9.8
CALM	//////////											12.9	//////
TOTALS	24.8	29.4	25.4	7.5								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 657

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	2.3	1.4									5.5	4.9
NNE	1.2	1.2										2.5	3.6
NE	1.5	.8	.2	.2								2.6	4.1
ENE	2.0	1.2	.6									3.8	4.0
E	2.1	.9	1.2	.2								4.4	4.8
ESE	1.7	.9	1.1									3.7	4.7
SE	.9	.5	.6	.2								2.1	5.4
SSE	.8	1.4	.5									2.6	4.9
S	1.1	1.4	1.2									3.7	5.3
SSW	1.1	2.1	1.5	.3								5.1	6.2
SW	.9	4.8	2.5	1.5								9.7	7.1
WSW	2.0	6.6	4.0	.6								13.2	6.0
W	4.0	5.7	7.1	3.1	.2							19.9	7.1
WNW	2.0	1.2	1.1	.5								4.8	5.5
NW	.8	.8	.8									2.3	5.2
NNW	.8	.6	.5									1.8	5.0
VARIABLE			5.1	1.5	.2							6.7	9.9
CALM	//////////											5.5	//////
TOTALS	24.7	32.4	29.1	8.0	.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 652

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	3.3	1.6	.8									5.7	3.6
NNE	1.6	1.4	.6									3.6	4.5
NE	.8	.3	.6									1.7	5.0
ENE	1.3	.8	.9									3.0	4.5
E	2.2	1.9	1.3	.2								5.5	4.9
ESE	.9	1.3	.3									2.5	4.2
SE	.6	.5	.3									1.4	4.7
SSE	.3	1.7	.3									2.4	4.8
S	.6	1.7	.9	.2								3.5	5.9
SSW	.3	3.2	2.4									5.8	6.4
SW	1.9	2.7	3.9	.9								9.5	6.8
WSW	2.1	5.4	4.1	1.1								12.6	6.4
W	3.6	6.0	4.3	2.5	.2							16.6	6.7
WNW	1.6	3.5	1.4	.3								6.8	5.5
NW	2.1	1.3	.3									3.6	3.6
NNW	.6	.9	.2									1.7	4.5
VARIABLE		.3	3.9	1.4	.3							6.0	10.2
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	7.9	//////
TOTALS	23.9	34.4	26.7	6.6	.5							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.9	1.5	.6									2.9	4.6
NNE	2.9	2.4	.6									5.9	3.7
NE	2.2	1.1	.2									3.5	3.3
ENE	4.1	2.9	.9									7.9	3.8
E	3.1	1.5	.6									5.2	3.3
ESE	.9	.4	.2									1.5	3.8
SE	.6	.7	.2									1.5	4.4
SSE	.9	.2										1.1	2.7
S	2.0	.7	.2									2.9	3.4
SSW	.4	1.3	1.1									2.8	6.2
SW	1.8	4.1	1.1	.2								7.2	5.1
WSW	2.0	3.5	2.8	.2								8.5	5.6
W	2.6	5.2	2.2	.4								10.3	5.5
WNW	2.2	1.1	.6									3.9	3.9
NW	.6											.6	1.7
NNW	.9	.7	.2									1.8	3.7
VARIABLE		.2	3.9	.7								4.8	8.8
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.2	3.7	1.9	.2								8.0	5.2
NNE	3.2	2.2	.8	.2								6.4	4.3
NE	3.5	1.4	.3									5.3	3.6
ENE	2.1	2.9	2.4									7.3	5.3
E	3.7	4.3	.8									8.8	3.9
ESE	1.1	1.1	.3									2.5	4.1
SE	.8	1.4	1.1									3.3	5.4
SSE	.5	.8	.2									1.4	4.3
S	.5	1.3										1.8	4.2
SSW	.3	.8	.6	.2								1.9	5.9
SW	1.4	3.8	.8	.5								6.5	5.3
WSW	2.2	3.8	2.9	.6								9.6	6.0
W	3.3	4.5	4.8	.8								13.4	6.2
WNW	2.2	1.0	1.0	.2								4.3	4.5
NW	1.6	1.0	.2									2.7	3.6
NNW	1.1	.2	.2									1.4	3.2
VARIABLE		.2	5.9	1.1								7.2	9.0
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP OL

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.7	3.7	3.0	.2								9.5	5.3
NNE	1.3	1.9	1.6	.2								4.9	5.6
NE	2.2	2.1	1.1	.2								5.6	5.0
ENE	1.9	2.9	1.0									5.7	4.7
E	2.5	2.8	1.3	.2								6.4	4.7
ESE	1.9	1.3	.6									3.8	4.0
SE	1.4	1.3	.2									2.9	3.8
SSE	.5	.8	.5									1.7	5.6
S	.8	.8	.2									1.7	4.5
SSW	.5	1.0	.2									1.6	5.0
SW	1.0	2.2	1.3									4.5	5.4
WSW	1.6	4.9	2.7	.5								9.7	5.9
W	2.4	6.7	4.5	1.9	.3							15.7	6.7
WNW	1.9	2.4	1.3	.5								6.0	5.9
NW	1.4	1.4	.5	.3								3.7	4.9
NNW	1.6	1.7	.6									4.0	4.2
VARIABLE		.3	7.5	1.3	.2							9.2	9.1
CALM	//////////											3.3	//////
TOTALS	25.6	37.7	27.8	5.1	.5							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.0	4.8	2.6									9.4	5.3
NNE	1.6	2.2	1.0									4.8	4.7
NE	1.4	1.8	1.0									4.2	5.3
ENE	1.8	2.2	1.2									5.2	4.8
E	3.2	2.4	1.0	.8								7.4	5.2
ESE	2.6	1.0										3.6	2.9
SE	1.0	.2	.2									1.4	3.9
SSE	.8	1.6	.2									2.6	3.8
S	.4	1.6	.8									2.8	5.9
SSW	.4	1.4	.4	.2								2.4	5.6
SW	.4	2.0	1.2									3.6	5.7
WSW	2.2	4.2	3.2	.8								10.4	6.4
W	2.4	5.0	5.4	1.6								14.5	7.1
WNW	1.6	2.2	2.6	.4								6.8	6.2
NW	1.4	1.6	.2									3.2	3.9
NNW	1.4	2.4	1.8									5.6	5.1
VARIABLE		1.0	6.2	.8								8.0	8.9
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DE

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	3.8	1.7	.8									6.2	3.6
NNE	2.6	2.3	.3									5.2	3.9
NE	2.0	1.1	.5	.3								3.8	4.2
ENE	2.1	.9	.5									3.5	3.4
E	2.7	1.1	.8									4.5	3.8
ESE	3.2	1.7	.8									5.6	3.6
SE	1.4	1.4	.8	.2								3.6	5.3
SSE	1.1	.8	.3									2.1	4.1
S	1.2	1.8	.6									3.6	4.3
SSW	1.2	1.1	.6									2.9	4.3
SW	2.0	2.4	1.2									5.6	4.8
WSW	4.5	6.4	1.7									12.6	4.5
W	5.5	4.2	4.2	.5								14.4	5.2
WNW	1.7	1.7	.3	.2								3.8	4.0
NW	.9	.3	.2									1.4	3.3
NNW	1.2	.8										2.0	2.9
VARIABLE		.6	2.6	.2								3.3	8.0
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	1.1	.2									2.9	4.1
NNE	1.8	1.1										2.9	3.1
NE	1.3	.9	.4									2.5	3.9
ENE	1.3	1.6	.4									3.3	4.2
E	.9	2.2	.2									3.3	4.3
ESE	.9	1.3	.2									2.4	4.3
SE	.5	.9	.2									1.6	4.1
SSE	1.6	.9										2.5	3.3
S	.4	.9										1.3	4.7
SSW	.5	1.3	.4									2.2	4.7
SW	5.8	4.0	.5									10.3	3.5
WSW	7.1	3.6	1.4	.2								12.3	3.7
W	3.6	3.4	1.8	.2								9.1	4.6
WNW	1.6	.7	.2									2.5	3.3
NW	1.1	.2										1.3	2.4
NNW	.4	.2										.5	3.3
VARIABLE		.2	.7									.9	7.8
CALM	//////////											38.2	//////
TOTALS	30.4	24.5	6.5	.4								100.0	2.4

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: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.3	2.1	1.0									5.4	4.4
NNE	1.9	1.9	1.4									5.2	4.9
NE	1.2	1.2	.6									3.1	4.9
ENE	3.3	1.4	.2									5.0	3.3
E	2.3	1.0	.4									3.7	3.6
ESE	1.4	.6	.2									2.3	3.5
SE	.8	1.2										2.1	4.1
SSE	1.7	.6	.2									2.5	3.3
S	.6	.4	.2									1.2	4.8
SSW	.2	.6	1.0									1.9	6.4
SW	1.0	2.5	.6	.4								4.6	5.5
WSW	2.1	6.0	3.1	1.0								12.2	6.2
W	3.3	6.2	10.1	1.9								21.5	7.3
WNW	2.1	2.9	2.9	.6								8.5	6.2
NW	2.3	2.3	.6	.2								5.4	4.4
NNW	1.2	1.7	.4	.2								3.5	4.5
VARIABLE		.6	2.1	.2								2.9	8.1
CALM	//////////											9.1	//////
TOTALS	27.7	33.3	25.3	4.6								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 483

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.1	3.0	.8									5.9	4.6
NNE	2.0	2.5	.8									5.2	4.6
NE	1.5	.8	.2									2.5	3.4
ENE	1.3	1.5	.2									3.0	3.8
E	1.5	1.6	.5									3.6	4.3
ESE	.7	1.5	.5									2.6	4.3
SE	.5	1.1	.5									2.1	5.5
SSE	2.8	1.3	.5									4.6	3.8
S	1.0	1.5										2.5	3.8
SSW	.5	1.0	.3	.2								2.0	5.6
SW	1.8	3.6	2.0	.2								7.5	5.3
WSW	3.3	5.1	3.9	.7								13.0	5.7
W	4.9	8.7	6.6	1.5								21.6	6.0
WNW	1.1	1.8	2.5	.2								5.6	6.1
NW	2.6	1.0	.8									4.4	4.0
NNW	1.3	1.5	.3									3.1	4.4
VARIABLE		.5	2.1	.3								3.0	8.2
CALM	//////////											7.9	//////
TOTALS	28.9	37.9	22.5	3.0								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.1	2.3	.3									4.7	3.9
NNE	1.8	3.1	.2									5.0	4.0
NE	2.3	2.0										4.2	3.5
ENE	1.8	.8										2.6	3.1
E	2.8	1.1										3.9	3.1
ESE	2.3	1.5	.5									4.2	4.2
SE	1.6	1.6	.3									3.6	4.1
SSE	1.6	.5	.2									2.3	3.2
S	1.1	.8	.3									2.3	4.1
SSW	.2	2.0	.5									2.6	5.3
SW	2.0	3.3	2.4	.3								8.0	5.6
WSW	3.7	5.7	3.1	.2								12.7	5.4
W	4.1	5.5	6.0	.5								17.1	5.8
WNW	2.3	1.6	1.0	.2								5.0	4.7
NW	1.8	1.3	.3									3.4	3.8
NNW	1.3	.5	.2									2.0	3.0
VARIABLE		.2	2.3									2.4	8.1
CALM	//////////											14.0	//////
TOTALS	32.7	34.6	17.6	1.1								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	1.4	.2									2.9	4.1
NNE	2.3	1.6	.2									4.1	3.2
NE	1.8											1.8	2.2
ENE	2.9	.8										3.7	2.7
E	3.3	1.6	.4									5.3	3.3
ESE	1.8	.6										2.3	2.8
SE	.8	1.2	.4									2.3	4.2
SSE	1.4	.2	.2									1.8	3.0
S	1.6	1.0										2.5	3.1
SSW	.6	1.0	.4									2.0	5.0
SW	4.3	4.5	1.2									10.0	4.3
WSW	4.3	6.3	1.6									12.1	4.3
W	3.5	6.7	3.7	.2	.2							14.3	5.5
WNW	1.4	.2	.8									2.3	4.1
NW	1.0	.2	.2									1.4	3.0
NNW	1.0	.2	.2									1.4	3.3
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	29.7	//////
TOTALS	33.3	27.2	9.4	.2	.2							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 511

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.1	2.9	1.9									6.9	5.3
NNE	.8	3.7	1.7									6.2	5.3
NE	1.3	1.2	1.0									3.5	5.2
ENE	1.2	1.0	1.0	.2								3.3	5.6
E	1.2	2.3	1.5	.2								5.2	5.4
ESE	.2	1.5	.4									2.1	5.4
SE	1.0	.4	.2									1.5	3.5
SSE	1.0	1.0	.2									2.1	3.7
S	.6	.6	.4									1.5	4.9
SSW		1.3	.6									1.9	6.2
SW	1.5	3.1	1.9									6.6	5.6
WSW	2.1	7.5	4.2	.2								14.1	5.7
W	2.3	8.5	7.1	1.5	.2							19.7	6.7
WNW	.8	3.5	3.7	.2								8.1	6.3
NW	1.2	1.5	1.7	.2								4.6	5.6
NNW	1.0	2.3	.8	.2								4.2	5.1
VARIABLE			1.9									1.9	8.0
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.2	2.5	1.2									5.9	4.9
NNE	1.6	1.4	1.1	.2								4.2	4.9
NE	1.1	1.4	.8									3.3	5.1
ENE	.8	1.2	.9									3.0	5.7
E	.6	2.2	1.2									4.0	5.8
ESE	1.1	.8	.2									2.0	4.2
SE	.5	.8	.8									2.0	5.9
SSE	1.7	.9	.6	.2								3.4	4.9
S	1.7	.6	.2									2.5	3.2
SSW	.9	1.4	1.4	.2								3.9	5.7
SW	2.2	2.3	1.9	.2								6.5	5.1
WSW	2.8	8.6	3.7	.6								15.7	5.9
W	3.0	9.0	5.0	1.1								18.0	6.0
WNW	2.2	4.4	2.2	.2								8.9	5.5
NW	2.0	1.6	.5									4.0	4.1
NNW	.9	1.1	.2									2.2	4.1
VARIABLE			2.3									2.3	8.5
CALM	//////////											8.1	//////
TOTALS	25.2	40.1	24.1	2.5								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 743

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	2.9	1.2									6.0	4.8
NNE	1.9	.9	.5									3.2	4.0
NE	1.5	1.2	.8									3.5	4.5
ENE	.9	2.9	.8									4.6	5.0
E	1.1	2.0	.8									3.9	4.9
ESE	.8	1.4	.6	.2								2.9	5.4
SE	1.2	.5	.5									2.2	4.3
SSE	.3	.3	.6									1.2	6.1
S	.8	.9	.8									2.5	5.0
SSW	1.5	1.1	.8									3.4	4.6
SW	2.5	3.7	2.8	.8								9.7	6.0
WSW	5.2	7.9	2.3	.2								15.6	4.7
W	2.5	7.7	5.6	.5								16.2	5.9
WNW	1.5	1.4	.9									3.9	4.7
NW	1.1	1.9	.5									3.4	4.7
NNW	1.4	.8	.3	.2								2.6	4.4
VARIABLE			1.1	.2								1.2	8.3
CALM	//////////											13.9	//////
TOTALS	26.1	37.5	20.7	1.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	2.0	.2									3.0	4.3
NNE	3.2	2.4	.2									5.8	3.5
NE	1.7	1.1	.2									3.0	3.7
ENE	1.9	2.2	.6									4.6	4.4
E	2.0	.9										3.0	3.0
ESE	.6	.4	.4									1.3	4.7
SE		.6	.4									.9	6.6
SSE	.6	.7										1.3	3.7
S	.7	.2										.9	3.0
SSW	1.7	2.8	1.1									5.6	4.8
SW	5.8	5.0	1.5	.4								12.6	4.2
WSW	4.8	6.9	.9	.4								13.0	4.3
W	4.1	5.8	2.2	.7								12.8	5.2
WNW	1.3	1.3	.2									2.8	3.8
NW	.4	.6	.4									1.3	4.9
NNW	.2	.4										.6	4.0
VARIABLE		.2	.4									.6	7.0
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	2.6	.4									4.8	4.3
NNE	1.2	2.4	.4									4.0	4.6
NE	.8	1.2	.2									2.2	4.2
ENE	2.4	1.8	2.0	.2								6.5	5.4
E	4.2	2.4	1.0									7.7	4.1
ESE	1.2	1.0	1.6									3.8	5.7
SE	1.4	2.0	.8									4.2	4.6
SSE	1.6	1.8	.4									3.8	3.7
S	.4	1.4	.2	.4								2.4	6.2
SSW	.8	2.4	.2									3.4	4.4
SW	.4	4.0	1.2									5.7	5.2
WSW	3.0	4.6	3.0	.2								10.9	5.6
W	2.4	6.7	6.9	.6	.2							16.8	6.9
WNW	2.0	2.2	1.2									5.5	4.8
NW	.2	2.0	.4	.2								2.8	5.9
NNW	1.0	1.2	.8									3.0	4.9
VARIABLE		.4	5.7	.4								6.5	8.7
CALM	//////////											5.9	//////
TOTALS	25.1	40.4	26.5	2.0	.2							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 495

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	2.6	.5									4.8	4.2
NNE	3.6	1.9	.8									6.3	3.9
NE	1.3	1.9	1.0									4.2	4.9
ENE	1.1	2.4	.8	.2								4.5	5.2
E	2.9	1.6	1.3	.2								6.0	4.9
ESE	1.8	2.4	.8									5.0	4.5
SE	2.1	2.1	1.1									5.3	4.6
SSE	1.6	1.5	.6									3.7	4.2
S	.2	1.6	.5	.2								2.4	6.0
SSW	.8	1.9	.5									3.2	5.0
SW	1.9	3.4	1.9		.3							7.6	5.8
WSW	4.0	5.7	2.1	.2								12.0	4.9
W	2.6	6.5	4.4	1.5								14.9	6.3
WNW	1.1	1.5	.8	.2								3.6	5.5
NW	1.6	1.3	.3									3.2	4.1
NNW	.5	.8										1.3	3.3
VARIABLE			6.0	.5								6.5	9.0
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.5	//////
TOTALS	28.9	39.1	23.4	2.7	.3							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 619

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.1	1.0	.2									3.2	3.4
NNE	1.1	2.7	.5									4.3	4.6
NE	2.1	1.4	.5	.2								4.2	4.3
ENE	2.1	1.6	1.3									5.0	4.6
E	2.4	3.4	1.3									7.1	4.9
ESE	1.8	2.3	.8	.3								5.1	4.9
SE	.8	.8	1.3	.2								3.1	5.9
SSE	.8	1.0	.2									1.9	3.8
S	1.8	.6	.5	.2								3.1	4.2
SSW	.8	2.6	.8									4.2	5.0
SW	2.4	3.4	1.6									7.4	5.0
WSW	3.9	4.5	1.3	.3								10.0	4.6
W	4.0	6.3	3.4	.5								14.1	5.4
WNW	1.8	1.9	1.3									5.0	5.0
NW	.8	1.0	.3									2.1	4.0
NNW	1.1	.6	.2									1.9	3.4
VARIABLE		.5	6.1	1.0								7.6	8.7
CALM	//////////											10.8	//////
TOTALS	29.7	35.5	21.4	2.6								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 622

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	.6	.2									2.4	3.6
NNE	3.0	1.1	.2									4.2	3.1
NE	2.6	.7	.2									3.5	2.7
ENE	2.0	.7	1.3									4.1	4.5
E	3.5	2.8	1.7									7.9	4.2
ESE	2.0	2.0	.4									4.4	3.9
SE	.7	.2	.2									1.1	3.5
SSE	1.3	.7										2.0	2.8
S	1.1	1.3	.4									2.8	4.1
SSW	1.3	2.4	1.3	.4								5.4	5.4
SW	4.1	3.5	2.0									9.6	4.5
WSW	6.3	4.8	1.1									12.2	3.8
W	3.3	5.5	1.8	.2								10.9	4.9
WNW	1.7	.4	.4									2.4	3.6
NW	.6	.4	.2									1.1	4.3
NNW	.2	.2										.4	3.5
VARIABLE			1.8	.4								2.2	8.7
CALM	//////////											23.4	//////
TOTALS	35.2	27.3	13.1	.9								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 542

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.3	2.4	.3									5.0	3.9
NNE	2.3	1.8	.8									4.9	4.2
NE	1.8	1.1	.3									3.2	4.0
ENE	.9	1.7	.3	.2								3.0	4.9
E	2.0	1.5	.8	.2								4.4	4.7
ESE	2.7	.6	.9									4.3	4.1
SE	1.2	.9	.5									2.6	4.3
SSE	1.2	1.5	.8									3.5	4.8
S	1.2	2.3	.3									3.8	4.3
SSW	.5	1.2	.6									2.3	4.9
SW	2.9	2.7	1.4	.2								7.2	4.8
WSW	4.0	5.5	2.3	.2								11.9	4.9
W	5.2	7.9	3.7	.2								16.9	5.1
WNW	3.0	2.0	1.1	.2								6.2	4.4
NW	2.3	2.0	.8									5.0	3.8
NNW	2.6	1.1	.2									3.8	3.1
VARIABLE		.9	2.4									3.4	8.0
CALM	//////////											8.5	//////
TOTALS	36.1	37.2	17.2	.9								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 656

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	2.7	.4									5.0	4.1
NNE	3.1	2.9	.6									6.5	4.1
NE	1.3	1.5	.4									3.3	4.4
ENE	2.5	1.3	.4									4.2	4.0
E	3.1	1.1	1.3									5.5	4.4
ESE	1.7	1.0	.2	.2								3.1	4.2
SE	.8	.2	1.1									2.1	5.9
SSE	.4	1.1	1.7									3.3	6.7
S	1.1	1.3	.6									3.1	4.8
SSW	.2	1.0	.4									1.5	5.4
SW	1.3	2.9	1.1	.2								5.5	5.3
WSW	4.8	6.1	2.3									13.2	4.5
W	3.3	6.9	3.4	.2								13.8	5.4
WNW	2.9	3.4	1.1	.2								7.6	4.6
NW	1.7	2.7	.6									5.0	4.2
NNW	2.3	2.1	.4									4.8	3.9
VARIABLE		.8	3.1	.2								4.0	8.5
CALM	//////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	1.4	.4									3.4	4.1
NNE	1.4	.2										1.6	2.0
NE	1.2	.4										1.6	2.9
ENE	.4	.6	.2									1.2	4.8
E	2.8	1.0										3.9	2.6
ESE	.8	.2	.2									1.2	3.2
SE	1.2	.6										1.8	3.1
SSE	2.2	1.2	.2									3.7	3.0
S	1.6	.8	.4		.2							3.0	4.6
SSW	2.2	4.3	.6									7.1	4.6
SW	5.1	6.7	2.2									14.0	4.5
WSW	6.3	5.5	2.8	.2								14.8	4.4
W	3.0	2.8	1.2	.2								7.3	4.6
WNW	.4	.4										.8	3.3
NW	.2	.2										.4	3.5
NNW	.6	.2										.8	2.3
VARIABLE			.2		.2							.4	14.0
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	1.6	.2									3.4	3.7
NNE	1.1	.3	.2									1.6	3.2
NE	1.3	.8	.2									2.3	3.3
ENE	1.3	.5	.2									2.0	2.9
E	4.1	1.6	.2									5.9	2.9
ESE	1.8	.8	.2									2.8	3.2
SE	2.1	1.5										3.6	3.3
SSE	2.1	1.0	.3									3.4	3.5
S	1.5	1.5	.8	.2								3.9	4.8
SSW	2.0	3.3	.3	.3								5.9	4.6
SW	2.9	7.7	2.8	.2								13.6	5.1
WSW	6.0	7.2	3.3	.8								17.3	5.0
W	2.6	5.6	2.5	.2								10.8	5.2
WNW	1.6	.8	.2									2.6	3.1
NW	1.1	.7										1.8	2.5
NNW	.7	.5										1.1	3.7
VARIABLE			3.3									3.3	9.0
CALM	//////////											14.7	//////
TOTALS	34.0	35.3	14.4	1.6								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 612

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.3	.5	.3									2.1	3.8
NNE	2.0	1.0	.3									3.3	3.4
NE	.7	.5										1.2	3.6
ENE	.8	1.2	.3									2.3	4.4
E	1.7	.8	.3									2.8	3.9
ESE	1.5	.8	.3									2.6	3.6
SE	2.8	1.3	.5									4.6	3.6
SSE	2.1	1.5	.3									4.0	3.8
S	1.5	.7	1.0									3.1	4.9
SSW	.7	3.0	1.7									5.3	5.8
SW	2.6	6.4	3.8	.5								13.4	5.6
WSW	3.6	10.1	4.0	.2								17.8	5.2
W	5.4	7.1	4.5									17.0	5.0
WNW	1.5	1.2	1.0									3.6	4.5
NW	1.0	1.2	.2									2.3	3.6
NNW	1.7	.5										2.1	2.5
VARIABLE		.3	3.3	.3								4.0	8.7
CALM	//////////											8.4	//////
TOTALS	30.9	38.0	21.8	1.0								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 636

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.4	.2										1.6	2.5
NNE	1.4	1.0	.4									2.8	4.1
NE	.4	1.2	.2									1.8	4.3
ENE	1.6	1.2	.8									3.6	4.2
E	1.2	1.6	.2									3.0	3.9
ESE	1.2	.8										2.0	3.2
SE	1.4	.6										2.0	2.7
SSE	1.4	.4	.4									2.2	3.4
S	1.2	1.2	.4									2.8	4.1
SSW	.8	2.4	1.0									4.2	5.5
SW	2.6	4.8	3.4	.2								11.0	5.3
WSW	4.6	8.6	4.2	.4								17.9	5.2
W	6.2	8.0	5.4	.2								19.9	5.2
WNW	1.0	1.6	1.2									3.8	4.7
NW	1.6	.6										2.2	2.7
NNW	1.2	1.0										2.2	3.5
VARIABLE			2.0	.2	.4							2.6	10.0
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	14.3	//////
TOTALS	29.3	35.3	19.7	1.0	.4							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 498

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.5	.5										2.0	2.6
NNE	.2											.2	2.0
NE	.5	.2										.7	3.0
ENE	1.0	1.0										2.0	3.3
E	2.7	1.7	.5									4.9	4.1
ESE	1.7	1.5	.7									3.9	4.3
SE	1.5	2.7	.7									4.9	5.0
SSE	3.9	2.5	.7									7.1	3.9
S	1.5	1.7	.7									3.9	4.0
SSW	1.5	3.9	1.5									6.9	5.3
SW	4.2	8.1	2.7	1.0								16.0	5.2
WSW	2.7	4.7	3.2									10.6	5.4
W	2.5	2.2	.7									5.4	4.0
WNW	.5											.5	1.5
NW	.5	.2										.7	3.0
NNW	.2	.7										1.0	4.3
VARIABLE			2.0	.5								2.5	9.6
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	26.8	//////
TOTALS	26.5	31.7	13.5	1.5								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 407

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	1.5										2.5	3.9
NNE	1.1	.5										1.6	3.0
NE	.8	.3										1.1	2.9
ENE	1.5	1.0	.3									2.8	3.5
E	2.5	2.1										4.6	3.4
ESE	2.5	2.8	.3	.2								5.7	4.2
SE	2.3	2.8	.7									5.7	4.3
SSE	3.0	2.0	.3									5.2	3.7
S	2.0	1.6	1.3									4.9	4.7
SSW	1.0	3.8	2.8									7.5	5.9
SW	3.4	6.2	3.1	.8								13.6	5.5
WSW	3.3	6.1	2.8	.2								12.3	5.2
W	2.0	1.6	1.3									4.9	4.4
WNW	1.1	.8										2.0	3.6
NW	.5	.7										1.1	3.0
NNW		.3										.3	5.0
VARIABLE		.2	3.4	.3	.3							4.3	9.3
CALM	//////////											19.7	//////
TOTALS	27.9	34.3	16.4	1.5	.3							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	2.1	.3									3.0	4.7
NNE	.8	.2	.2									1.2	3.4
NE	.5	.8										1.3	4.0
ENE	1.3	.7										2.0	2.9
E	4.6	1.5	.2									6.2	3.1
ESE	3.0	2.3	.2	.2								5.6	3.8
SE	1.6	2.0	.7									4.3	4.6
SSE	2.8	1.8	.8									5.4	4.0
S	2.5	3.0	1.0									6.4	4.5
SSW	1.0	1.8	2.5									5.3	6.0
SW	3.9	5.3	2.8	.7		.2						12.8	5.7
WSW	3.9	6.2	3.9		.2							14.3	5.6
W	2.8	4.8	2.0	.2								9.7	5.0
WNW	1.6	.8	.3									2.8	3.9
NW	1.3	.5	.2									2.0	3.3
NNW	.8	1.0										1.8	3.4
VARIABLE		.2	3.0	1.2	.2							4.4	9.9
CALM	//////////											11.5	//////
TOTALS	33.1	34.9	17.9	2.1	.3	.2						100.0	4.4

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: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.1	1.9	.2									4.1	3.7
NNE	1.0											1.0	2.5
NE	.2	.2										.3	4.0
ENE	1.4	1.2	.2									2.7	3.8
E	4.1	3.1										7.2	3.0
ESE	2.1	1.4	.3									3.8	4.0
SE	1.7	2.2	.7									4.6	4.3
SSE	2.4	2.9	.2									5.5	3.9
S	1.7	2.4	.7									4.8	4.2
SSW	1.7	2.9	1.9	.2								6.7	5.4
SW	3.8	4.8	2.4	.7								11.6	5.2
WSW	3.9	5.0	2.6	.5								12.0	5.2
W	4.5	3.6	1.9	.3								10.3	4.7
WNW	1.7	.9	.3									2.9	3.8
NW	.5	.5	.3									1.4	4.4
NNW	.5	.5										1.0	2.8
VARIABLE			2.4	.9								3.3	9.5
CALM	//////////											16.8	//////
TOTALS	33.2	33.4	14.0	2.6								100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 584

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.6	.3										1.8	2.4
NNE	1.0	1.3	.3									2.6	4.3
NE	1.0	.3	.3									1.6	3.7
ENE	2.4	.5										2.9	2.7
E	3.7	2.1										5.8	3.2
ESE	2.1	1.8										3.9	3.5
SE	.5	1.3										1.8	4.3
SSE	.5	.5	1.0									2.1	5.9
S	1.3	2.6	.3									4.2	4.4
SSW	1.6	.8	1.6	.3								4.2	5.5
SW	2.9	4.7	1.8	.3								9.7	4.9
WSW	5.5	6.3	4.2	.8								16.8	5.5
W	1.8	2.6	3.7	1.3	.5							9.9	7.9
WNW													
NW													
NNW	.5	.5										1.0	3.5
VARIABLE			2.4	.5	1.6							4.5	12.5
CALM	//////////											27.2	//////
TOTALS	26.4	25.7	15.4	3.1	2.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 382

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	2.1	.2	.2									2.4	2.4
NNE	1.9	.3										2.3	2.5
NE	.9	.9										1.7	3.4
ENE	1.7	.7	.3									2.8	3.8
E	5.2	1.6	.3									7.2	2.8
ESE	2.6	1.0	.2									3.8	3.1
SE	1.2	.2	.3									1.7	4.1
SSE	1.0	.3	.2									1.6	3.2
S	.9	2.4	1.4	.2								4.9	5.5
SSW	1.7	1.0	1.4									4.2	5.3
SW	3.1	2.4	2.6	.2	.2							8.6	5.3
WSW	4.4	7.2	3.7	.7	.2							16.1	5.6
W	3.0	3.5	4.5	1.4	.2							12.6	6.7
WNW	.9	.3	.3									1.6	4.7
NW	.5	.2										.7	3.3
NNW	.3											.3	2.5
VARIABLE		.7	2.8	1.2	.7							5.4	10.5
CALM	////////////

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.9	2.1	.2									4.2	3.3
NNE	1.9	.3	.2									2.4	3.2
NE	1.4	.9										2.3	2.9
ENE	.2	1.0	.3									1.6	5.3
E	3.3	2.4										5.8	3.2
ESE	2.4	1.2	.3									4.0	3.3
SE	.3	1.0	.3									1.7	5.2
SSE	.9	.3	.2									1.4	3.9
S	1.9	.7	.7	.2								3.5	4.4
SSW	.9	1.9	.9									3.7	5.2
SW	4.0	4.0	2.4	.3	.2	.2						11.2	5.4
WSW	4.2	5.2	3.8	.5	.5							14.3	5.9
W	2.6	3.7	6.1	.8	.2							13.3	7.0
WNW	1.4	1.0	.5									3.0	4.7
NW	1.9	.7										2.6	2.4
NNW	1.4	.3										1.7	2.3
VARIABLE		.7	4.2	1.6	.5							7.0	10.1
CALM	//////////											16.4	//////
TOTALS	30.7	27.7	20.2	3.3	1.4	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.8	1.3	.2									3.3	3.6
NNE	.9	.9										1.8	3.7
NE	1.1	1.1	.2									2.4	4.0
ENE	.5	1.3	.5									2.4	4.8
E	3.6	1.4	.5									5.6	3.4
ESE	2.0		.2	.2								2.4	3.5
SE	1.3	.7	.4									2.4	3.6
SSE	.9	1.1										2.0	3.6
S	.4	1.8	.5									2.7	4.8
SSW	.9	1.4	1.1	.2	.4							4.0	7.3
SW	4.0	2.2	1.8	.2								8.2	4.6
WSW	4.3	5.4	2.4	.5	.5							13.2	5.6
W	3.3	5.8	6.2	1.4	.7							17.4	7.0
WNW	.9	1.3		.2								2.4	4.5
NW	1.1	.2	.2									1.4	2.9
NNW	.4	.4	.2									.9	4.6
VARIABLE		.5	2.5	.9	.7							4.7	10.7
CALM	//////////											23.0	//////
TOTALS	27.4	26.8	16.8	3.6	2.4							100.0	4.3

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: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
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		13.8	15.3	18.6	20.6	23.0	23.9	24.9	25.4	26.7	26.7	26.7	26.7	26.7	26.7	26.9
GE 20000		16.0	17.7	21.0	23.0	25.4	26.5	27.8	28.2	29.8	30.4	30.4	30.4	30.4	30.4	30.6
GE 18000		16.6	18.4	21.7	23.9	26.3	27.6	28.9	29.3	30.9	31.5	31.5	31.5	31.5	31.5	31.7
GE 16000		16.6	18.4	21.7	23.9	26.3	27.6	28.9	29.3	30.9	31.5	31.5	31.5	31.5	31.5	31.7
GE 14000		16.6	18.4	21.7	23.9	26.3	27.6	28.9	29.3	30.9	31.5	31.5	31.5	31.5	31.5	31.7
GE 12000		17.3	19.0	22.3	24.5	26.9	28.2	29.5	30.0	31.5	32.2	32.2	32.2	32.2	32.2	32.4
GE 10000		17.7	19.7	23.0	25.2	27.6	28.9	30.2	30.6	32.4	33.3	33.3	33.3	33.3	33.3	33.5
GE 9000		19.5	21.4	24.7	26.9	29.3	30.6	31.9	32.4	34.4	35.2	35.2	35.2	35.2	35.2	35.4
GE 8000		23.4	25.4	29.5	31.9	34.4	35.7	37.0	37.4	40.0	40.9	40.9	40.9	40.9	40.9	41.1
GE 7000		23.6	25.6	30.0	32.6	35.0	36.3	37.6	38.1	40.7	41.6	41.6	41.6	41.6	41.6	41.8
GE 6000		23.6	25.6	30.0	32.6	35.0	36.3	37.6	38.1	40.7	41.6	41.6	41.6	41.6	41.6	41.8
GE 5000		23.9	25.8	30.2	32.8	35.2	36.5	37.9	38.3	40.9	41.8	41.8	41.8	41.8	41.8	42.0
GE 4500		25.8	27.8	32.2	34.8	37.2	38.5	39.8	40.3	42.9	43.8	43.8	43.8	43.8	43.8	44.0
GE 4000		26.9	29.1	33.7	36.3	38.7	41.4	42.7	43.1	45.7	46.6	46.6	46.6	46.6	46.8	47.0
GE 3500		28.4	30.6	35.2	38.3	41.4	44.2	45.5	46.0	48.6	49.5	49.5	49.5	49.5	49.7	49.9
GE 3000		31.7	34.4	39.2	42.2	45.3	48.1	49.7	50.3	53.8	54.9	55.1	55.1	55.1	55.4	55.6
GE 2500		32.6	36.1	41.1	44.2	47.3	50.3	51.9	52.5	56.2	57.3	57.5	57.5	57.5	57.8	58.0
GE 2000		35.4	39.4	45.3	48.4	51.8	54.9	56.5	57.3	61.5	62.6	62.8	62.8	62.8	63.0	63.2
GE 1800		37.6	42.0	47.9	51.0	54.0	57.8	59.3	60.2	64.6	65.6	65.9	65.9	65.9	66.1	66.3
GE 1500		39.8	45.1	51.4	54.5	57.5	61.3	63.0	63.9	68.3	69.8	70.0	70.0	70.0	70.2	70.5
GE 1200		41.4	46.8	54.3	57.3	60.4	64.1	66.3	67.2	72.2	73.7	74.0	74.0	74.0	74.2	74.4
GE 1000		41.6	47.5	56.0	59.1	62.1	66.1	68.3	69.1	74.2	75.7	76.1	76.1	76.1	76.4	76.6
GE 900		42.5	48.4	57.3	60.4	63.5	67.4	69.6	70.7	75.7	77.5	77.9	77.9	77.9	78.1	78.3
GE 800		42.7	48.6	58.0	61.3	64.3	68.3	70.9	72.0	77.5	79.2	79.6	79.6	79.6	79.9	80.1
GE 700		42.9	48.8	58.6	61.9	65.2	69.6	72.2	73.5	79.4	81.2	81.6	81.6	81.6	82.1	82.3
GE 600		42.9	49.2	59.3	62.6	65.9	70.2	72.9	74.2	80.7	82.5	82.9	82.9	82.9	83.4	83.6
GE 500		42.9	49.2	60.0	63.2	66.5	71.1	74.4	75.9	82.7	84.5	84.9	84.9	85.6	86.0	86.2
GE 400		42.9	49.2	60.4	63.9	67.2	72.4	76.1	77.7	87.1	89.3	89.7	89.9	90.8	91.5	91.9
GE 300		42.9	49.2	60.8	64.3	67.6	73.1	76.8	78.3	89.1	91.7	92.3	92.8	93.7	94.3	95.0
GE 200		42.9	49.2	60.8	64.3	67.6	73.3	77.0	78.6	89.7	92.6	93.7	94.1	95.8	96.5	97.2
GE 100		42.9	49.2	60.8	64.3	67.6	73.3	77.0	78.6	90.2	93.0	94.3	94.7	96.7	97.8	99.8
GE 0		42.9	49.2	60.8	64.3	67.6	73.3	77.0	78.6	90.2	93.0	94.3	94.7	96.7	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	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	24.0	24.9	29.6	31.3	31.3	32.2	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	
GE 20000	27.8	28.7	33.5	35.4	35.4	36.3	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	
GE 18000	29.4	30.3	35.0	37.0	37.0	38.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	
GE 16000	29.4	30.3	35.0	37.0	37.0	38.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	
GE 14000	29.4	30.3	35.0	37.0	37.0	38.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	
GE 12000	29.8	30.6	35.4	37.3	37.3	38.5	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	
GE 10000	30.5	31.5	36.3	38.2	38.2	39.4	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	
GE 9000	31.5	33.1	37.9	39.8	39.8	41.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	
GE 8000	34.3	35.9	40.6	42.6	42.6	44.1	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	
GE 7000	35.4	37.0	41.9	43.8	43.8	45.4	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	
GE 6000	35.6	37.1	42.3	44.0	44.0	45.5	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	
GE 5000	36.3	37.8	43.3	45.2	45.2	46.8	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	
GE 4500	37.7	39.4	44.8	46.8	46.8	48.3	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	
GE 4000	39.4	41.2	46.6	48.5	48.5	50.1	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
GE 3500	42.2	44.3	51.1	53.9	53.9	55.5	56.9	57.1	57.1	57.1	57.1	57.1	57.4	57.4	57.4	
GE 3000	44.3	47.1	54.3	57.4	57.8	59.0	60.6	60.8	60.8	60.8	60.8	60.8	61.1	61.1	61.1	
GE 2500	45.5	48.5	56.4	60.1	60.1	61.6	63.4	63.6	63.6	63.6	63.6	63.6	63.9	63.9	63.9	
GE 2000	46.9	49.9	59.4	63.0	63.0	64.8	67.3	67.6	68.0	68.0	68.0	68.0	68.3	68.3	68.3	
GE 1800	47.6	50.6	60.2	63.9	63.9	65.7	68.1	68.5	68.8	68.8	68.8	68.8	69.2	69.2	69.2	
GE 1500	48.9	52.2	61.8	65.5	65.5	68.0	70.6	71.1	71.8	71.8	71.8	71.8	72.2	72.2	72.2	
GE 1200	49.4	53.1	63.4	68.1	68.5	72.2	75.7	76.2	77.8	77.8	77.8	77.8	78.1	78.1	78.1	
GE 1000	49.4	53.1	64.1	69.2	69.5	73.6	77.2	77.8	80.2	80.2	80.2	80.2	80.6	80.6	80.6	
GE 900	49.6	53.4	64.4	70.2	70.6	74.6	78.6	79.3	82.0	82.0	82.0	82.0	82.3	82.3	82.3	
GE 800	49.7	53.6	64.6	70.8	71.3	75.5	79.5	80.2	83.0	83.0	83.0	83.0	83.4	83.4	83.4	
GE 700	49.7	53.6	65.1	71.3	71.8	76.0	80.4	81.3	84.9	85.1	85.1	85.1	85.5	85.6	85.8	
GE 600	49.9	54.3	66.7	73.0	73.7	78.1	82.5	83.4	88.4	88.6	88.6	88.6	89.0	89.1	89.3	
GE 500	50.1	54.5	66.9	73.7	74.8	79.3	83.7	84.6	90.0	90.7	90.9	91.1	91.4	91.6	91.8	
GE 400	50.1	54.5	67.1	73.9	75.0	79.5	83.9	84.8	90.9	92.1	92.5	92.8	93.5	93.7	93.9	
GE 300	50.1	54.5	67.1	74.3	75.3	79.9	84.2	85.1	91.2	92.8	93.2	93.7	94.9	95.1	95.4	
GE 200	50.1	54.5	67.1	74.3	75.3	79.9	84.2	85.1	91.2	92.8	93.2	93.9	97.2	97.7	98.4	
GE 100	50.1	54.5	67.1	74.3	75.3	79.9	84.2	85.1	91.2	92.8	93.2	94.2	97.7	98.2	100.0	
GE 0	50.1	54.5	67.1	74.3	75.3	79.9	84.2	85.1	91.2	92.8	93.2	94.2	97.7	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 571

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	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		21.3	22.5	26.3	28.6	28.6	30.1	31.2	31.2	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 20000		24.7	26.3	30.5	32.8	32.8	34.3	35.7	35.9	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 18000		26.0	27.5	31.7	34.0	34.0	35.5	36.9	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 16000		26.0	27.5	31.7	34.0	34.0	35.5	36.9	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 14000		26.0	27.5	31.7	34.0	34.0	35.5	36.9	37.1	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 12000		26.3	27.9	32.1	34.3	34.3	35.9	37.3	37.5	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 10000		27.5	29.1	33.3	35.5	35.5	37.1	38.5	38.7	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 9000		28.0	29.6	34.0	36.2	36.2	37.8	39.2	39.4	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 8000		30.7	32.6	37.1	39.4	39.4	41.1	42.5	42.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 7000		31.4	33.3	37.8	40.1	40.1	41.8	43.2	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 6000		31.5	33.4	38.2	40.4	40.4	42.2	43.6	43.7	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 5000		31.5	33.4	38.3	40.8	40.8	42.5	43.9	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 4500		32.2	34.1	39.7	42.2	42.2	43.9	45.5	45.6	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 4000		33.3	35.2	40.9	43.6	43.6	45.5	47.0	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 3500		36.1	38.7	44.8	47.7	47.7	49.7	51.2	51.4	51.9	51.9	52.1	52.1	52.1	52.1	52.1
GE 3000		38.5	41.6	48.8	51.7	51.7	53.8	55.9	56.1	57.0	57.0	57.1	57.1	57.1	57.1	57.1
GE 2500		40.1	43.2	50.9	54.2	54.2	56.4	58.5	58.7	59.6	59.6	59.8	59.8	59.8	59.8	59.8
GE 2000		41.3	44.6	54.2	57.5	57.5	60.1	62.9	63.2	64.5	64.6	64.8	64.8	64.8	64.8	64.8
GE 1800		41.8	45.1	55.1	58.5	58.5	61.1	63.9	64.3	65.5	65.7	65.9	65.9	65.9	65.9	65.9
GE 1500		43.4	46.7	57.3	61.0	61.0	64.1	67.2	67.6	68.8	69.0	69.2	69.2	69.2	69.2	69.2
GE 1200		44.3	47.7	58.7	63.8	63.8	67.4	70.7	71.1	73.0	73.2	73.3	73.3	73.3	73.3	73.3
GE 1000		44.8	48.4	60.6	65.9	66.0	70.2	73.7	74.0	76.7	76.8	77.0	77.0	77.0	77.0	77.0
GE 900		44.8	48.4	61.0	66.7	66.9	71.1	74.9	75.3	78.9	79.1	79.3	79.3	79.3	79.3	79.3
GE 800		44.9	48.6	61.1	66.9	67.1	71.6	75.8	76.3	80.3	80.5	80.7	80.7	80.7	80.7	80.7
GE 700		44.9	48.8	62.4	68.5	68.8	73.7	78.2	78.7	83.6	83.8	84.0	84.0	84.0	84.0	84.0
GE 600		45.3	49.3	63.1	69.2	69.5	74.4	79.6	80.1	86.2	86.4	86.6	86.6	86.8	86.8	86.8
GE 500		45.3	49.5	63.8	70.9	71.6	76.7	81.9	82.6	89.7	90.2	90.4	90.4	90.6	90.6	90.6
GE 400		45.3	49.5	64.1	71.3	72.0	77.0	82.4	83.1	90.8	91.5	91.6	91.6	92.2	92.7	92.7
GE 300		45.3	49.5	64.1	71.3	72.0	77.9	83.3	84.0	92.2	93.7	93.9	94.1	94.9	95.6	95.8
GE 200		45.3	49.5	64.1	71.3	72.0	77.9	83.3	84.0	92.2	93.9	94.1	94.3	95.8	97.2	98.6
GE 100		45.3	49.5	64.1	71.3	72.0	77.9	83.3	84.0	92.2	93.9	94.1	94.3	96.2	97.7	100.0
GE 0		45.3	49.5	64.1	71.3	72.0	77.9	83.3	84.0	92.2	93.9	94.1	94.3	96.2	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 574

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP OL

PERIOD OF RECORD: 76-85
MONTH: FEB HOURS(LST): 0900-1100

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	19.8	21.9	24.7	25.4	26.4	27.8	28.7	29.0	32.2	32.3	32.3	32.3	32.3	32.3	32.3
GE 20000	23.0	25.0	28.3	28.7	29.7	31.1	32.0	32.3	35.7	35.8	35.8	35.8	35.8	35.8	35.8
GE 18000	23.1	25.2	28.2	28.9	29.9	31.3	32.2	32.5	35.8	36.0	36.0	36.0	36.0	36.0	36.0
GE 16000	23.1	25.2	28.2	28.9	29.9	31.3	32.2	32.5	35.8	36.0	36.0	36.0	36.0	36.0	36.0
GE 14000	23.1	25.2	28.2	28.9	29.9	31.3	32.2	32.5	35.8	36.0	36.0	36.0	36.0	36.0	36.0
GE 12000	23.5	25.6	28.5	29.2	30.3	31.7	32.5	32.9	36.2	36.3	36.3	36.3	36.3	36.3	36.3
GE 10000	23.8	25.9	28.9	29.6	30.8	32.2	33.2	33.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7
GE 9000	24.0	26.1	29.3	29.7	31.0	32.3	33.6	33.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1
GE 8000	25.4	27.7	31.3	32.0	33.2	34.8	36.0	36.5	40.7	40.9	40.9	40.9	40.9	40.9	40.9
GE 7000	26.1	28.3	31.7	32.7	33.9	35.5	37.4	37.9	42.3	42.4	42.4	42.4	42.4	42.4	42.4
GE 6000	26.1	28.3	31.7	32.7	33.9	35.5	37.4	37.9	42.3	42.4	42.4	42.4	42.4	42.4	42.4
GE 5000	26.3	28.5	31.8	33.0	34.3	35.8	37.7	38.3	42.6	42.8	42.8	42.8	42.8	42.8	42.8
GE 4500	27.1	29.4	33.4	34.8	36.0	37.7	40.0	40.7	45.2	45.4	45.4	45.4	45.4	45.4	45.4
GE 4000	27.5	30.1	34.4	35.8	37.0	39.1	41.4	42.1	46.6	46.8	46.8	46.8	46.8	46.8	46.8
GE 3500	29.7	33.0	37.9	39.3	40.5	42.8	45.0	45.7	50.6	50.8	50.8	50.8	51.0	51.0	51.0
GE 3000	31.3	34.8	40.0	41.4	42.6	44.9	47.1	47.8	53.7	53.9	53.9	53.9	54.1	54.1	54.1
GE 2500	32.3	35.8	41.6	43.1	44.5	46.8	49.0	49.7	56.5	56.7	56.7	56.7	56.9	56.9	56.9
GE 2000	35.3	39.1	45.4	47.1	48.5	50.8	53.0	53.7	60.9	61.0	61.0	61.0	61.2	61.2	61.2
GE 1800	35.7	39.5	46.1	48.0	49.4	51.7	53.9	54.6	61.7	61.9	61.9	61.9	62.1	62.1	62.1
GE 1500	36.9	40.9	48.3	50.6	52.2	54.8	57.2	57.9	65.0	65.4	65.4	65.4	65.6	65.6	65.6
GE 1200	37.4	41.6	49.2	52.0	53.6	56.3	59.5	60.5	67.8	68.3	68.3	68.3	68.5	68.5	68.5
GE 1000	38.6	43.8	51.8	55.0	56.5	59.3	63.0	64.3	71.8	72.3	72.3	72.3	72.5	72.5	72.5
GE 900	38.8	44.0	52.0	55.1	56.7	59.7	63.7	65.0	72.7	73.2	73.2	73.2	73.4	73.4	73.4
GE 800	39.1	44.3	52.5	55.8	57.4	60.9	65.4	66.8	75.3	75.8	75.8	75.8	76.0	76.0	76.0
GE 700	39.3	44.5	53.0	56.7	59.0	62.4	67.1	68.7	78.4	79.5	79.5	79.5	79.8	79.8	79.8
GE 600	39.5	44.7	53.4	57.2	59.5	63.3	68.2	69.7	80.7	81.9	81.9	81.9	82.6	82.6	82.6
GE 500	39.5	44.9	53.5	57.7	60.3	64.5	69.6	71.7	83.7	85.0	85.0	85.2	86.1	86.1	86.1
GE 400	39.5	44.9	53.6	57.9	60.5	65.7	71.0	73.0	86.3	88.0	88.0	88.9	89.9	89.9	90.4
GE 300	39.5	44.9	53.6	58.1	60.7	65.9	71.1	73.2	87.5	89.6	89.9	91.1	92.7	92.7	93.2
GE 200	39.5	44.9	53.6	58.1	60.9	66.3	71.5	73.6	87.8	90.1	90.8	92.9	94.6	94.6	96.5
GE 100	39.5	44.9	53.6	58.1	60.9	66.3	71.5	73.6	87.8	90.1	90.8	92.9	95.8	96.2	99.1
GE 0	39.5	44.9	53.6	58.1	60.9	66.3	71.5	73.6	88.0	90.3	91.0	93.0	96.0	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 575

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: FEB 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	19.3	21.1	23.7	23.7	24.0	25.0	25.5	25.8	30.2	30.5	30.5	31.3	31.3	31.5	31.8	
GE 20000	20.1	21.9	24.5	24.5	24.7	25.8	26.3	26.6	31.0	31.3	31.3	32.0	32.0	32.3	32.6	
GE 18000	20.3	22.1	24.7	24.7	25.0	26.0	26.6	26.8	31.3	31.5	31.5	32.3	32.3	32.6	32.8	
GE 16000	20.3	22.1	24.7	24.7	25.0	26.0	26.6	26.8	31.3	31.5	31.5	32.3	32.3	32.6	32.8	
GE 14000	20.3	22.1	24.7	24.7	25.0	26.0	26.6	26.8	31.3	31.5	31.5	32.3	32.3	32.6	32.8	
GE 12000	20.6	22.4	25.0	25.0	25.3	26.3	26.8	27.1	31.5	31.8	31.8	32.6	32.6	32.8	33.1	
GE 10000	21.6	23.4	26.0	26.0	26.3	27.3	27.9	28.1	32.6	32.8	32.8	33.6	33.6	33.9	34.1	
GE 9000	21.9	23.7	26.3	26.3	26.6	27.6	28.1	28.4	32.8	33.1	33.1	33.9	33.9	34.1	34.4	
GE 8000	23.7	25.8	28.6	28.6	29.2	30.2	30.7	31.0	36.5	37.0	37.2	38.0	38.0	38.3	38.5	
GE 7000	24.7	26.8	29.7	29.7	30.2	31.3	31.8	32.0	37.5	38.0	38.3	39.1	39.1	39.3	39.6	
GE 6000	24.7	26.8	29.7	29.7	30.2	31.3	31.8	32.0	37.5	38.0	38.3	39.1	39.1	39.3	39.6	
GE 5000	24.7	26.8	29.7	29.7	30.2	31.3	31.8	32.0	37.5	38.0	38.3	39.1	39.1	39.3	39.6	
GE 4500	25.3	27.3	30.5	30.5	31.0	32.0	32.8	33.1	38.5	39.1	39.3	40.1	40.1	40.4	40.6	
GE 4000	25.8	28.1	31.3	31.3	31.8	33.3	34.1	34.4	40.4	40.9	41.1	41.9	41.9	42.4	42.7	
GE 3500	27.6	31.0	34.9	34.9	35.4	37.5	38.8	39.1	45.6	46.4	46.6	47.4	47.4	47.9	48.2	
GE 3000	29.9	34.1	38.3	38.3	38.8	41.1	42.7	43.0	50.3	51.0	51.3	52.1	52.1	52.6	52.9	
GE 2500	30.2	34.6	39.1	39.1	39.8	42.4	44.0	44.3	52.3	53.1	53.4	54.2	54.2	54.7	54.9	
GE 2000	32.3	37.8	43.5	43.5	44.3	47.1	48.7	49.0	57.0	57.8	58.1	58.9	58.9	59.4	59.6	
GE 1800	33.1	38.8	44.8	45.1	45.8	48.7	50.3	50.5	58.9	59.6	59.9	60.7	60.7	61.2	61.5	
GE 1500	35.2	42.4	48.7	49.0	49.7	52.9	54.4	54.9	65.4	66.7	66.9	67.7	67.7	68.2	68.5	
GE 1200	35.2	42.7	49.5	49.7	51.0	55.2	57.6	58.1	69.3	70.6	70.8	71.6	71.6	72.1	72.4	
GE 1000	35.4	43.8	51.6	52.1	53.4	58.1	60.4	60.9	72.9	74.2	74.5	75.3	75.3	75.8	76.0	
GE 900	35.9	44.3	52.1	52.6	53.9	58.6	61.5	62.0	74.0	75.3	75.5	76.3	76.3	76.8	77.1	
GE 800	36.5	45.1	53.1	53.9	55.2	59.9	63.0	63.5	76.8	78.1	78.4	79.4	79.4	79.9	80.2	
GE 700	36.5	45.1	53.1	54.2	55.7	60.7	63.8	64.6	79.2	81.3	81.5	82.6	82.6	83.1	83.3	
GE 600	36.7	45.3	53.4	54.4	56.0	61.2	64.3	65.4	81.0	83.6	83.9	84.9	84.9	85.4	85.7	
GE 500	36.7	45.3	53.5	54.7	56.5	62.0	65.1	66.1	82.0	85.7	86.2	87.2	87.2	87.8	88.0	
GE 400	36.7	45.3	53.6	54.7	56.5	62.2	65.4	66.7	83.1	87.0	87.5	89.1	89.3	89.8	90.4	
GE 300	36.7	45.3	53.6	54.7	56.5	62.2	65.4	66.7	84.4	88.3	88.8	90.6	91.4	91.9	92.4	
GE 200	36.7	45.3	53.6	54.7	56.5	62.5	65.6	67.2	85.2	89.8	90.6	93.0	94.0	94.5	95.1	
GE 100	36.7	45.3	53.6	54.7	56.5	62.5	65.6	67.2	85.4	90.1	91.4	94.0	96.6	97.7	98.7	
GE 0	36.7	45.3	53.6	54.7	56.5	62.5	65.6	67.2	85.4	90.1	91.4	94.0	96.6	97.7	100.0	

TOTAL NUMBER OF OBSERVATIONS: 384

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 1500-1700

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	13.7	14.7	16.6	18.2	18.2	18.7	18.7	18.7	19.1	19.4	19.4	19.4	19.5	19.5	19.7	
GE 20000	16.1	17.1	19.2	20.8	20.8	21.3	21.3	21.3	21.7	22.0	22.0	22.0	22.1	22.1	22.3	
GE 18000	17.6	18.6	20.7	22.3	22.3	22.8	22.8	22.8	23.3	23.6	23.6	23.6	23.8	23.8	23.9	
GE 16000	17.6	18.6	20.7	22.3	22.3	22.8	22.8	22.8	23.3	23.6	23.6	23.6	23.8	23.8	23.9	
GE 14000	17.6	18.6	20.7	22.3	22.3	22.8	22.8	22.8	23.3	23.6	23.6	23.6	23.8	23.8	23.9	
GE 12000	17.8	18.7	20.8	22.5	22.5	23.0	23.0	23.0	23.5	23.8	23.8	23.8	23.9	23.9	24.1	
GE 10000	19.1	20.0	22.5	24.1	24.1	24.6	24.6	24.6	25.1	25.4	25.4	25.4	25.6	25.6	25.7	
GE 9000	19.7	20.8	23.5	25.1	25.1	25.6	25.6	25.6	26.4	26.7	26.9	26.9	27.0	27.0	27.2	
GE 8000	22.3	23.5	26.5	28.2	28.2	28.7	28.8	28.8	29.6	30.0	30.1	30.1	30.3	30.3	30.5	
GE 7000	23.1	24.3	27.4	29.0	29.0	29.5	29.8	29.8	30.8	31.1	31.3	31.3	31.4	31.4	31.6	
GE 6000	23.1	24.3	27.4	29.0	29.0	29.5	29.8	29.8	30.8	31.1	31.3	31.3	31.4	31.4	31.6	
GE 5000	24.1	25.2	28.3	30.0	30.0	30.5	30.8	30.8	31.8	32.6	32.7	32.7	32.9	32.9	33.1	
GE 4500	24.8	26.1	29.2	30.8	30.8	31.3	31.6	31.6	32.6	33.4	33.6	33.6	33.7	33.7	33.9	
GE 4000	26.1	27.4	30.5	32.1	32.1	32.6	32.9	32.9	33.9	34.7	35.0	35.0	35.2	35.2	35.3	
GE 3500	29.0	30.5	34.2	35.8	35.8	36.3	36.6	36.6	37.8	38.6	38.9	38.9	39.1	39.1	39.3	
GE 3000	33.9	35.3	39.4	41.0	41.0	41.9	42.2	42.2	43.8	44.6	45.0	45.0	45.1	45.1	45.3	
GE 2500	35.3	36.8	41.2	43.8	43.8	44.8	45.6	45.6	47.2	48.0	48.4	48.4	48.5	48.5	48.7	
GE 2000	37.5	39.4	44.5	47.1	47.2	48.7	49.7	50.3	52.1	52.9	53.3	53.4	53.6	53.6	53.7	
GE 1800	39.4	41.4	46.6	49.2	49.3	50.8	51.8	52.6	54.4	55.2	55.5	55.7	55.9	55.9	56.0	
GE 1500	42.3	44.6	51.0	53.6	54.2	55.9	56.8	58.1	60.1	61.1	61.4	61.6	61.7	61.7	61.9	
GE 1200	45.1	47.6	53.9	56.5	57.3	59.3	60.6	62.1	64.3	65.3	66.0	66.1	66.3	66.3	66.4	
GE 1000	46.1	48.9	55.2	58.5	59.3	61.2	62.7	64.3	66.6	67.8	68.4	68.7	68.9	68.9	69.1	
GE 900	47.6	50.3	57.0	60.7	61.6	63.5	65.0	66.6	69.2	70.4	71.0	71.3	71.5	71.5	71.7	
GE 800	47.9	50.7	57.5	61.6	62.4	64.5	66.3	67.9	70.8	72.0	72.6	73.0	73.1	73.1	73.3	
GE 700	48.0	51.3	58.3	62.4	63.5	66.1	68.2	70.2	73.5	74.8	75.4	75.7	75.9	76.1	76.4	
GE 600	49.2	53.3	60.6	64.8	66.0	69.2	71.5	73.5	77.2	78.5	79.2	79.5	79.6	80.0	80.3	
GE 500	49.2	53.3	60.9	65.3	66.6	70.2	73.1	75.4	80.8	82.4	83.1	83.6	83.7	84.0	84.4	
GE 400	49.2	53.3	60.9	65.5	66.8	70.8	74.1	76.7	83.2	84.9	85.5	86.5	87.8	88.3	88.6	
GE 300	49.8	54.2	61.9	66.4	67.8	71.8	75.1	78.0	85.8	87.9	88.8	90.7	92.0	92.7	93.0	
GE 200	50.0	54.4	62.1	66.6	67.9	72.0	75.2	78.2	86.3	88.6	89.7	92.7	95.0	95.8	96.4	
GE 100	50.0	54.4	62.1	66.6	67.9	72.0	75.2	78.2	86.6	88.9	90.1	93.0	96.3	97.6	100.0	
GE 0	50.0	54.4	62.1	66.6	67.9	72.0	75.2	78.2	86.6	88.9	90.1	93.0	96.3	97.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 614

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN 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		12.7	13.0	14.6	16.2	16.2	17.5	17.5	17.5	18.0	18.0	18.0	18.0	18.0	18.0	18.0
GE 20000		14.6	15.1	17.2	18.8	18.8	20.0	20.2	20.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7
GE 18000		15.7	16.4	18.4	20.0	20.0	21.3	21.5	21.5	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 16000		15.7	16.4	18.4	20.0	20.0	21.3	21.5	21.5	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 14000		15.7	16.4	18.4	20.0	20.0	21.3	21.5	21.5	21.9	21.9	21.9	21.9	21.9	21.9	21.9
GE 12000		16.7	17.3	19.4	21.0	21.0	22.3	22.4	22.4	22.9	22.9	22.9	23.1	23.1	23.1	23.1
GE 10000		17.5	18.1	20.2	22.1	22.1	23.5	23.7	23.7	24.2	24.2	24.2	24.3	24.3	24.3	24.3
GE 9000		17.8	18.8	21.3	23.2	23.2	24.6	24.8	24.8	25.4	25.6	25.6	25.8	25.8	25.8	25.8
GE 8000		19.9	21.0	24.3	26.2	26.2	27.7	27.8	27.8	28.5	28.6	28.6	28.8	28.8	28.8	28.8
GE 7000		20.5	21.6	25.0	26.9	26.9	28.3	28.5	28.5	29.1	29.3	29.3	29.4	29.4	29.4	29.4
GE 6000		20.5	21.6	25.0	26.9	26.9	28.3	28.5	28.5	29.1	29.3	29.3	29.4	29.4	29.4	29.4
GE 5000		20.5	21.6	25.0	26.9	26.9	28.3	28.5	28.5	29.1	29.4	29.7	29.9	29.9	29.9	29.9
GE 4500		21.5	22.6	26.1	28.1	28.1	29.6	29.7	29.7	30.4	30.7	31.0	31.2	31.2	31.2	31.2
GE 4000		22.9	24.0	27.5	29.6	29.6	31.0	31.2	31.2	31.8	32.3	32.9	33.1	33.1	33.1	33.1
GE 3500		26.7	27.8	31.5	33.7	33.7	35.1	35.3	35.3	35.9	36.4	37.0	37.2	37.2	37.2	37.2
GE 3000		30.8	32.0	36.2	38.8	38.8	40.5	40.9	40.9	42.1	42.6	43.2	43.4	43.4	43.4	43.4
GE 2500		32.3	33.5	38.2	40.9	40.9	42.6	42.9	42.9	44.4	44.8	45.5	45.6	45.6	45.6	45.6
GE 2000		34.2	35.5	40.5	43.2	43.2	45.6	45.9	46.4	48.2	48.6	49.3	49.4	49.4	49.4	49.4
GE 1800		34.5	35.8	41.0	43.7	43.7	46.1	46.4	46.9	48.6	49.1	49.8	49.9	49.9	49.9	49.9
GE 1500		37.8	39.3	45.9	48.6	48.6	51.0	51.4	52.3	54.2	54.7	55.3	55.5	55.5	55.5	55.5
GE 1200		41.3	43.1	50.4	53.1	53.1	55.6	56.4	57.6	60.4	60.9	61.5	61.7	61.7	61.7	61.7
GE 1000		43.4	45.3	53.4	56.9	56.9	59.6	60.4	61.5	64.7	65.3	66.0	66.1	66.1	66.1	66.1
GE 900		44.2	46.6	54.8	58.5	58.8	61.5	62.6	63.9	67.2	68.0	68.7	68.8	68.8	68.8	68.8
GE 800		45.3	47.7	56.8	60.6	60.9	63.9	65.0	66.3	69.6	70.4	71.1	71.2	71.2	71.2	71.2
GE 700		45.8	48.8	58.0	62.0	62.5	65.8	66.9	68.8	72.7	73.4	74.1	74.2	74.2	74.2	74.2
GE 600		46.3	49.3	58.8	62.8	63.3	67.2	68.4	70.3	75.7	76.5	77.1	77.3	77.3	77.3	77.3
GE 500		46.3	49.6	59.3	63.6	64.1	68.8	70.6	72.8	78.9	79.8	80.4	80.8	80.8	80.8	80.8
GE 400		46.3	49.8	59.6	63.9	64.5	69.5	71.5	73.9	81.1	82.4	83.1	84.3	85.5	85.5	85.9
GE 300		46.4	50.1	59.9	64.4	65.0	70.6	73.0	75.5	83.3	84.9	86.0	87.6	90.6	90.8	91.1
GE 200		46.4	50.1	59.9	64.5	65.2	70.7	73.1	75.7	83.8	85.5	87.0	88.7	93.2	93.6	95.2
GE 100		46.4	50.1	59.9	64.5	65.2	70.7	73.1	75.7	84.3	86.0	87.4	89.2	94.8	96.5	99.8
GE 0		46.4	50.1	59.9	64.5	65.2	70.7	73.1	75.7	84.3	86.0	87.4	89.2	94.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN HOURS(LST): 0900-1100

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	7.9	9.2	11.1	11.8	11.8	14.1	14.4	14.8	15.6	15.6	15.6	15.8	16.0	16.0	16.0	
GE 20000	9.6	10.9	13.0	14.4	14.4	16.6	16.9	17.4	18.3	18.3	18.3	18.5	18.6	18.6	18.8	
GE 18000	10.6	11.8	13.9	15.3	15.3	17.5	17.9	18.3	19.3	19.3	19.3	19.4	19.6	19.6	19.7	
GE 16000	10.9	12.2	14.2	15.6	15.6	17.9	18.2	18.6	19.6	19.6	19.6	19.7	19.9	19.9	20.1	
GE 14000	11.1	12.3	14.4	15.8	15.8	18.0	18.3	18.8	19.7	19.7	19.7	19.9	20.1	20.1	20.2	
GE 12000	11.4	12.6	14.8	16.3	16.3	18.5	18.8	19.3	20.2	20.2	20.2	20.4	20.5	20.5	20.7	
GE 10000	11.8	13.1	15.3	17.1	17.1	19.3	19.6	20.1	21.0	21.0	21.0	21.2	21.3	21.3	21.5	
GE 9000	12.0	13.4	16.1	18.0	18.0	20.2	20.7	21.2	22.3	22.3	22.3	22.4	22.6	22.6	22.7	
GE 8000	14.2	15.6	19.4	21.5	21.6	24.0	24.5	25.0	26.1	26.1	26.1	26.2	26.4	26.4	26.5	
GE 7000	15.0	16.4	20.5	22.6	22.7	25.1	25.6	26.1	27.3	27.3	27.5	27.6	27.8	27.8	28.0	
GE 6000	15.0	16.4	20.5	22.6	22.7	25.1	25.6	26.1	27.3	27.3	27.5	27.6	27.8	27.8	28.0	
GE 5000	15.0	16.4	20.5	22.6	22.7	25.1	25.6	26.1	27.3	27.3	27.6	27.8	28.0	28.0	28.1	
GE 4500	15.2	17.1	21.2	23.5	23.7	26.2	26.7	27.2	28.4	28.4	28.8	28.9	29.1	29.1	29.2	
GE 4000	15.5	17.7	21.8	24.2	24.3	26.9	27.3	27.8	29.2	29.4	29.7	29.9	30.2	30.2	30.3	
GE 3500	16.4	19.0	23.2	26.1	26.2	29.1	29.7	30.2	31.8	31.9	32.2	32.4	32.7	32.7	32.9	
GE 3000	19.9	23.1	28.1	31.6	31.9	35.1	35.7	36.2	38.5	38.7	39.0	39.2	39.5	39.5	39.7	
GE 2500	20.9	24.2	29.5	33.2	33.5	36.8	37.4	38.2	40.8	40.9	41.2	41.4	41.7	41.7	41.9	
GE 2000	22.6	26.1	31.4	35.5	35.9	39.3	40.0	41.2	43.8	43.9	44.2	44.4	44.7	44.7	44.9	
GE 1800	23.2	26.9	32.2	36.3	36.7	40.1	40.8	42.0	44.5	44.7	45.0	45.2	45.5	45.5	45.7	
GE 1500	25.3	29.5	35.4	39.5	39.8	43.4	44.1	45.7	48.2	48.5	48.8	49.0	49.3	49.3	49.4	
GE 1200	29.2	34.1	40.4	44.7	45.0	48.8	49.6	51.3	54.2	54.7	55.0	55.3	55.6	55.6	55.8	
GE 1000	31.4	37.0	44.4	49.1	49.4	53.6	54.3	56.1	59.4	59.9	60.2	60.5	60.8	60.8	61.0	
GE 900	32.5	38.2	46.1	50.9	51.2	55.3	56.1	57.8	61.5	61.9	62.2	62.6	62.9	62.9	63.0	
GE 800	32.9	38.9	47.2	52.1	52.4	57.2	58.0	59.9	63.7	64.5	64.8	65.1	65.4	65.4	65.6	
GE 700	33.8	40.1	48.7	54.0	54.5	59.6	60.7	62.7	67.3	68.2	68.6	69.0	69.4	69.4	69.5	
GE 600	34.1	40.8	50.1	55.9	56.4	61.5	62.6	64.6	70.5	71.9	72.2	72.7	73.0	73.0	73.1	
GE 500	34.4	41.2	51.3	56.9	57.3	62.9	64.0	66.4	72.8	74.4	75.0	75.5	75.8	76.0	76.1	
GE 400	34.4	41.2	51.3	57.3	58.1	63.8	64.9	67.8	75.7	77.6	78.5	79.3	80.3	80.4	80.9	
GE 300	34.4	41.2	51.3	57.7	58.5	64.5	65.7	68.6	78.5	81.4	82.3	83.6	86.4	87.2	88.3	
GE 200	34.4	41.2	51.3	57.7	58.5	64.5	65.7	68.6	79.6	82.8	84.0	85.8	91.2	92.3	94.9	
GE 100	34.4	41.2	51.0	57.7	58.5	64.5	65.7	68.6	79.6	82.9	84.4	86.4	94.0	95.6	100.0	
GE 0	34.4	41.2	51.3	57.7	58.5	64.5	65.7	68.6	79.6	82.9	84.4	86.4	94.0	95.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: JAN 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	9.1	11.5	15.8	16.0	16.2	17.9	18.4	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.9	
GE 20000	9.8	12.6	17.4	17.7	18.1	20.0	20.5	20.5	20.8	20.8	20.8	20.8	20.8	20.8	21.0	
GE 18000	10.3	13.1	17.9	18.1	18.6	20.5	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.5	
GE 16000	10.3	13.1	17.9	18.1	18.6	20.5	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.5	
GE 14000	10.3	13.1	17.9	18.1	18.6	20.5	21.0	21.0	21.2	21.2	21.2	21.2	21.2	21.2	21.5	
GE 12000	10.3	13.1	17.9	18.1	18.6	20.8	21.2	21.2	21.5	21.5	21.5	21.5	21.5	21.5	21.7	
GE 10000	10.7	13.6	18.4	18.6	19.1	21.2	21.7	21.7	22.0	22.0	22.0	22.0	22.0	22.0	22.2	
GE 9000	10.7	13.6	18.4	18.6	19.1	21.2	22.0	22.0	22.2	22.2	22.2	22.2	22.2	22.2	22.4	
GE 8000	12.4	15.3	20.3	20.8	21.2	23.4	24.1	24.1	24.3	24.3	24.3	24.3	24.3	24.3	24.6	
GE 7000	12.9	15.8	21.2	22.0	22.4	24.6	25.3	25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.8	
GE 6000	12.9	15.8	21.2	22.0	22.4	24.6	25.3	25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.8	
GE 5000	13.4	16.2	21.7	22.4	22.9	25.1	25.8	25.8	26.0	26.0	26.0	26.0	26.0	26.0	26.3	
GE 4500	14.1	17.2	22.7	23.4	23.9	26.0	27.0	27.0	27.7	27.7	27.7	27.7	27.7	27.7	27.9	
GE 4000	14.1	17.7	23.2	23.9	24.3	26.5	27.4	27.4	28.2	28.2	28.2	28.2	28.2	28.2	28.4	
GE 3500	16.0	19.8	25.3	26.0	26.5	29.1	30.3	30.3	31.0	31.0	31.0	31.0	31.0	31.0	31.3	
GE 3000	18.1	22.9	30.3	31.3	31.7	34.4	35.6	35.6	36.5	36.5	36.5	36.5	36.5	36.5	36.8	
GE 2500	18.6	23.4	30.8	31.7	32.5	35.6	37.0	37.2	38.2	38.2	38.2	38.2	38.2	38.2	38.4	
GE 2000	21.2	26.0	33.9	34.8	35.6	38.7	40.1	40.6	42.0	42.0	42.0	42.0	42.0	42.0	42.2	
GE 1800	21.7	26.7	34.6	35.6	36.3	39.4	40.8	41.3	42.7	43.0	43.0	43.0	43.0	43.0	43.2	
GE 1500	23.9	29.8	38.4	39.4	40.1	43.4	44.9	45.6	47.3	47.7	47.7	47.7	47.7	47.7	48.0	
GE 1200	26.3	33.7	43.4	44.4	45.1	49.4	51.1	51.8	53.9	54.4	54.4	54.4	54.4	54.4	54.7	
GE 1000	28.2	37.2	48.4	49.6	50.4	55.1	56.8	57.5	60.4	61.1	61.1	61.1	61.3	61.3	61.6	
GE 900	29.4	38.4	49.6	50.8	51.6	56.6	58.2	59.2	62.3	63.0	63.0	63.0	63.2	63.2	63.5	
GE 800	30.3	39.6	51.1	52.3	53.2	58.7	60.4	61.6	65.2	66.6	66.6	66.8	67.1	67.1	67.3	
GE 700	31.3	40.6	53.5	54.9	55.8	61.3	63.0	64.4	68.5	70.4	70.4	70.9	71.1	71.1	71.4	
GE 600	31.3	40.6	54.2	55.6	56.6	62.1	64.2	65.6	70.2	72.3	72.3	72.8	73.0	73.0	73.3	
GE 500	32.2	41.8	55.6	57.3	58.5	64.7	67.3	68.7	74.5	76.8	77.1	77.6	77.8	78.0	78.3	
GE 400	32.5	42.0	55.8	58.0	59.2	65.6	68.3	69.9	76.8	79.5	79.7	80.2	80.4	80.7	80.9	
GE 300	32.5	42.0	56.8	59.2	60.4	67.1	70.2	71.8	80.2	83.5	84.2	85.9	87.1	87.6	88.8	
GE 200	32.5	42.0	56.8	59.2	60.4	67.3	70.4	72.1	81.1	85.0	86.4	89.3	91.4	91.9	93.6	
GE 100	32.5	42.0	56.8	59.2	60.4	67.3	70.4	72.1	81.1	85.7	87.4	91.2	94.7	95.2	100.0	
GE 0	32.5	42.0	56.8	59.2	60.4	67.3	70.4	72.1	81.1	85.7	87.4	91.2	94.7	95.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 419

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CEILING VERSUS VISIBILITY

PART 3

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling," versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and the tables are presented by month and available 3-hour groups.

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

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, For most Airways stations, visibilities of greater than 7 miles were not reported for part of the period of record. Therefore, the 10 mi visibility category should be used with great caution.

For overseas civilian stations reporting "CAVOK", all ceilings greater than 5,000 feet are suppressed into the 5,000 foot ceiling class.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.2	.6										1.8	2.9
NNE	1.6	.2	.4									2.2	3.3
NE		1.0										1.0	5.0
ENE	.6	1.0										1.6	3.8
E	5.7	3.4	1.0									10.1	3.8
ESE	2.8	3.4	1.6									7.7	4.6
SE	1.6	2.0	.8									4.3	4.6
SSE	1.0	.6	.6									2.2	4.5
S	.4		1.0									1.4	6.7
SSW	1.8	2.0	1.8	.6								6.1	6.1
SW	4.5	3.4	2.4	.6	.2							11.0	5.2
WSW	4.1	3.7	3.6	.8								12.2	5.7
W	3.4	3.6	4.7	1.4								13.0	6.6
WNW	1.6	1.8		.2								3.6	3.9
NW	.8	.4										1.2	2.5
NNW	.4											.4	2.5
VARIABLE			3.4	.8								4.1	9.3
CALM	//////////											16.2	//////
TOTALS	31.4	26.8	21.1	4.3	.2							100.0	4.4

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: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.7	.2										1.9	2.3
NNE	1.4	.3	.2									1.9	3.2
NE	.3	.3	.2									.9	5.0
ENE	.7	1.4	1.0	.2								3.3	6.0
E	3.8	3.8	1.2									8.8	4.2
ESE	3.4	2.2	1.2									6.9	4.2
SE	1.0	2.4	.2									3.6	4.6
SSE	1.7	1.2	.3									3.3	4.0
S	1.6	1.7	.9	.3								4.5	5.5
SSW	.5	1.0	1.6	.3								3.4	6.9
SW	3.1	3.6	3.1	1.0	.5							11.4	6.5
WSW	4.1	5.3	4.7	.7	.3							15.2	5.9
W	2.4	5.0	5.5	1.2	.3	.3						14.8	7.3
WNW	1.0	2.1										3.1	3.7
NW	.7											.7	2.3
NNW		.2										.2	4.0
VARIABLE			4.0	.7	.3							5.0	9.3
CALM	//////////											11.2	//////
TOTALS	27.6	30.9	24.0	4.5	1.6	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 580

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	.8										1.7	3.4
NNE	.5											.5	3.0
NE	.2	.5	.2									.8	5.0
ENE	1.8	1.5	.5									3.8	4.1
E	3.8	5.1	.8									9.8	4.0
ESE	2.3	2.5	.8									5.6	4.4
SE	1.3	2.0	.3									3.6	4.2
SSE	3.0	2.0	.3									5.3	3.5
S	1.5	2.0	1.8	.2								5.5	5.7
SSW	1.7	2.8	1.2			.2						5.8	5.5
SW	1.8	2.8	3.1	1.3	.2	.2						9.4	7.4
WSW	4.6	4.5	5.3	1.0	.5							15.9	6.2
W	2.6	4.8	5.8	.2	.2							13.6	6.3
WNW	.5	.3										.8	3.0
NW	.2	.3	.2									.7	4.8
NNW	.8											.8	2.2
VARIABLE			2.8	.5								3.3	9.4
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	13.2	//////
TOTALS	27.4	31.9	23.1	3.1	.8	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD. 75-84
MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	.7										1.7	2.9
NNE	.5	.2										.7	3.0
NE	.5	.5	.2									1.2	4.0
ENE	2.7	2.2	.5	.2								5.7	4.0
E	2.2	3.2	2.2									7.7	4.8
ESE	2.0	1.5	1.0									4.5	4.1
SE	2.2	1.5	.7									4.5	4.1
SSE	.2	1.0	1.0									2.2	6.7
S	3.2	1.7	1.0	.5								6.5	5.0
SSW	.7	2.0	2.5	1.0	.2							6.5	7.8
SW	3.5	3.0	2.0	1.7								10.2	6.2
WSW	2.5	3.2	6.2	1.2	.2							13.4	7.1
W	.7	4.5	4.0	.5	.2							10.0	6.8
WNW	.2	.2	.5									1.0	6.3
NW	.2	.2										.5	3.5
NNW		.2										.2	4.0
VARIABLE			1.5	1.5								3.0	10.6
CALM	//////////											20.4	//////
TOTALS	22.6	26.1	23.4	6.7	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 0900 -1100

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	17.4	17.8	21.2	22.7	24.5	25.1	25.7	26.5	27.1	27.1	27.2	27.2	27.2	27.2	27.2	
GE 20000	19.8	20.2	24.0	25.9	27.7	28.6	29.2	30.0	30.9	30.9	31.1	31.1	31.1	31.1	31.1	
GE 18000	20.9	21.3	25.1	26.9	28.8	29.7	30.3	31.1	32.0	32.0	32.1	32.1	32.1	32.1	32.1	
GE 16000	20.9	21.3	25.1	26.9	28.8	29.7	30.3	31.1	32.0	32.0	32.1	32.1	32.1	32.1	32.1	
GE 14000	21.2	21.6	25.4	27.2	29.1	30.0	30.6	31.4	32.3	32.3	32.4	32.4	32.4	32.4	32.4	
GE 12000	21.8	22.2	26.0	27.9	29.7	30.6	31.2	32.0	32.9	32.9	33.0	33.0	33.0	33.0	33.0	
GE 10000	24.0	24.7	28.6	30.4	32.3	33.2	33.8	34.6	35.5	35.5	35.6	35.6	35.6	35.6	35.6	
GE 9000	25.0	25.6	29.5	31.5	33.3	34.4	35.5	36.4	37.3	37.3	37.4	37.4	37.4	37.4	37.4	
GE 8000	27.5	28.2	32.1	34.4	36.4	38.1	39.4	40.5	42.0	42.2	42.3	42.3	42.3	42.3	42.3	
GE 7000	27.7	28.3	32.3	34.6	36.5	38.2	39.6	40.6	42.2	42.3	42.5	42.5	42.5	42.5	42.5	
GE 6000	27.7	28.3	32.3	34.6	36.5	38.2	39.6	40.6	42.2	42.3	42.5	42.5	42.5	42.5	42.5	
GE 5000	27.9	28.5	32.4	34.7	36.7	38.4	39.7	40.8	42.3	42.5	42.6	42.6	42.6	42.6	42.6	
GE 4500	30.9	31.5	35.5	37.7	39.7	41.4	42.8	43.8	45.4	45.5	45.7	45.7	45.7	45.7	45.7	
GE 4000	33.5	34.1	38.1	40.3	42.5	44.6	46.0	47.0	48.6	48.7	48.9	48.9	48.9	48.9	48.9	
GE 3500	34.7	35.3	39.3	41.6	43.8	46.0	47.3	48.4	50.2	50.4	50.5	50.5	50.5	50.5	50.5	
GE 3000	38.2	39.0	43.4	45.7	48.1	50.2	51.8	52.8	54.6	54.8	55.1	55.1	55.1	55.1	55.1	
GE 2500	40.0	40.9	45.5	47.8	50.2	52.5	54.0	55.1	57.1	57.2	57.5	57.5	57.5	57.5	57.5	
GE 2000	44.0	45.2	49.9	52.4	54.8	57.1	58.6	59.7	61.6	61.9	62.3	62.3	62.3	62.3	62.3	
GE 1800	46.1	47.3	52.2	54.6	57.1	59.7	61.3	62.4	64.7	65.0	65.3	65.3	65.3	65.3	65.3	
GE 1500	48.4	49.6	54.8	57.2	60.0	62.7	64.4	65.4	67.9	68.6	68.9	68.9	68.9	68.9	68.9	
GE 1200	51.0	52.2	57.8	60.6	63.3	66.4	68.5	69.6	72.0	72.8	73.2	73.4	73.4	73.4	73.4	
GE 1000	52.1	53.4	59.8	62.7	65.4	68.9	71.2	72.3	75.2	76.1	76.7	76.9	76.9	76.9	76.9	
GE 900	53.3	54.6	61.5	64.4	67.1	70.6	73.2	74.3	77.3	78.4	79.0	79.1	79.1	79.1	79.1	
GE 800	53.4	54.8	62.6	65.4	68.2	71.7	74.3	75.3	78.4	79.8	80.4	80.5	80.5	80.5	80.5	
GE 700	53.4	54.9	63.9	66.8	69.7	73.7	76.4	77.6	80.8	82.2	82.8	83.0	83.0	83.1	83.1	
GE 600	53.7	55.3	64.5	67.9	70.9	75.2	77.9	79.3	83.7	85.1	85.8	86.0	86.0	86.1	86.1	
GE 500	53.7	55.6	65.0	68.3	71.5	76.7	79.5	81.0	85.8	87.2	88.3	88.4	88.6	88.7	88.7	
GE 400	53.7	55.6	65.0	68.5	71.7	77.5	80.4	81.9	89.0	91.0	92.2	92.7	92.8	93.0	93.0	
GE 300	53.7	55.6	65.0	68.6	71.8	77.6	80.5	82.2	89.6	91.9	93.2	93.8	94.2	94.5	94.7	
GE 200	53.7	55.6	65.0	68.6	71.8	77.8	80.7	82.3	90.1	92.8	94.1	94.8	96.0	96.3	96.7	
GE 100	53.7	55.6	65.0	68.6	71.8	77.8	80.7	82.3	90.4	93.3	94.7	95.4	97.4	98.0	100.0	
GE 0	53.7	55.6	65.0	68.6	71.8	77.8	80.7	82.3	90.4	93.3	94.7	95.4	97.4	98.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 657

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 76-85
MONTH: MAR 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		24.7	25.5	27.5	28.4	29.3	29.9	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7
GE 20000		29.3	30.2	32.4	33.3	34.2	34.8	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 18000		30.7	31.6	33.7	34.7	35.6	36.2	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 16000		30.7	31.6	33.7	34.7	35.6	36.2	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 14000		30.7	31.6	33.7	34.7	35.6	36.2	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 12000		30.8	31.7	33.9	34.8	35.7	36.3	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 10000		32.2	33.1	35.3	36.7	37.6	38.2	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 9000		33.1	34.0	36.3	37.7	38.7	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 8000		35.1	36.0	38.3	39.9	40.8	41.6	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 7000		35.3	36.2	38.5	40.0	41.0	41.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 6000		35.3	36.2	38.5	40.0	41.0	41.7	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 5000		35.4	36.3	38.7	40.2	41.1	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 4500		37.0	38.2	40.6	42.6	43.6	44.3	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 4000		39.6	40.8	43.3	45.4	46.3	47.1	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 3500		42.6	44.2	47.1	49.4	50.3	51.1	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 3000		50.5	52.5	55.5	58.0	58.9	59.8	60.6	60.7	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 2500		54.3	56.6	60.0	62.4	63.3	64.3	65.0	65.2	66.0	66.1	66.1	66.1	66.1	66.1	66.1
GE 2000		59.0	61.5	65.3	67.9	68.9	70.1	70.9	71.0	71.9	72.1	72.1	72.1	72.1	72.1	72.1
GE 1800		60.9	63.3	68.3	70.9	71.8	73.0	73.8	73.9	74.8	75.0	75.0	75.0	75.0	75.0	75.0
GE 1500		64.9	67.3	72.5	75.2	76.2	77.6	78.5	78.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9
GE 1200		68.4	71.0	76.8	79.4	80.5	81.9	83.4	83.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3
GE 1000		69.5	72.1	78.7	81.4	82.5	83.9	85.4	85.7	87.0	87.6	87.6	87.6	87.6	87.6	87.6
GE 900		70.1	72.7	79.4	82.2	83.3	84.8	86.5	86.8	88.2	88.8	88.8	88.8	88.8	88.8	88.8
GE 800		70.2	73.0	80.1	82.8	83.9	85.4	87.3	87.6	89.7	90.3	90.3	90.3	90.3	90.3	90.3
GE 700		70.6	73.5	81.4	84.2	85.3	87.1	89.1	89.7	92.0	92.6	92.6	92.6	92.6	92.6	92.6
GE 600		71.0	73.9	81.9	84.7	85.7	87.7	89.9	90.8	93.6	94.3	94.3	94.3	94.3	94.3	94.3
GE 500		71.2	74.1	82.1	84.8	86.0	88.0	90.2	91.1	94.0	94.8	95.1	95.1	95.1	95.1	95.1
GE 400		71.3	74.2	82.7	85.4	86.8	89.0	91.1	92.0	95.6	96.8	97.2	97.2	97.2	97.2	97.2
GE 300		71.3	74.2	82.8	85.6	87.0	89.1	91.3	92.2	96.2	97.7	98.2	98.2	98.2	98.2	98.2
GE 200		71.3	74.2	82.8	85.6	87.0	89.1	91.3	92.2	96.2	97.7	98.3	98.3	98.9	99.1	99.2
GE 100		71.3	74.2	82.8	85.6	87.0	89.1	91.3	92.2	96.2	97.7	98.3	98.3	98.9	99.5	99.8
GE 0		71.5	74.4	83.0	85.7	87.1	89.3	91.4	92.3	96.3	97.9	98.5	98.5	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 652

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 76-85
MONTH: MAR HOURS(LST): 1500-1700

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		28.9	29.1	30.6	31.1	31.6	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 20000		34.9	35.1	36.7	37.1	37.6	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 18000		35.5	36.0	37.6	38.1	38.5	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 16000		35.7	36.2	37.8	38.2	38.7	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 14000		36.0	36.7	38.4	38.9	39.3	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 12000		36.3	37.1	38.9	39.3	39.8	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 10000		37.9	38.7	40.6	41.4	41.9	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 9000		38.5	39.3	41.2	42.0	42.5	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 8000		43.4	44.2	46.1	46.9	47.4	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 7000		43.4	44.2	46.3	47.1	47.6	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 6000		43.8	44.5	46.8	47.6	48.0	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 5000		44.2	45.2	47.5	48.3	48.8	49.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 4500		45.5	46.4	48.8	49.6	50.1	50.7	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 4000		48.0	49.0	51.7	52.4	52.9	53.6	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 3500		53.1	54.0	57.2	58.0	58.5	59.1	60.0	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 3000		62.6	63.8	67.6	68.7	69.2	70.0	70.9	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2500		66.4	67.9	71.9	73.0	73.5	74.2	75.2	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2000		69.5	71.2	75.7	76.9	77.4	78.2	79.1	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1800		69.8	71.6	76.8	78.0	78.5	79.6	80.6	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 1500		72.7	74.6	80.4	81.8	82.3	83.4	84.4	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1200		74.4	76.5	82.6	84.0	84.5	85.9	87.4	88.5	89.1	89.3	89.3	89.3	89.3	89.3	89.3
GE 1000		75.8	78.0	84.4	85.8	86.3	87.8	89.3	90.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6
GE 900		76.1	78.4	85.0	86.4	86.9	88.8	90.2	91.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 800		76.6	78.8	85.5	86.9	87.4	89.3	90.7	91.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 700		76.6	78.8	85.6	87.4	87.8	89.9	91.3	93.2	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 600		76.6	79.0	85.8	87.7	88.2	90.2	91.9	93.8	96.1	96.2	96.2	96.4	96.4	96.4	96.4
GE 500		76.6	79.0	85.9	87.8	88.3	90.5	92.3	94.3	96.7	96.8	96.8	97.0	97.0	97.0	97.0
GE 400		76.6	79.0	85.9	87.8	88.3	90.7	92.7	94.8	97.8	98.1	98.1	98.3	98.3	98.3	98.3
GE 300		76.6	79.0	85.9	87.8	88.3	90.7	93.2	95.3	98.3	98.6	98.7	99.2	99.2	99.2	99.2
GE 200		76.6	79.0	85.9	87.8	88.3	90.7	93.2	95.3	98.3	98.6	98.9	99.4	99.4	99.5	99.7
GE 100		76.6	79.0	85.9	87.8	88.3	90.7	93.2	95.3	98.3	98.6	98.9	99.4	99.4	99.5	99.8
GE 0		76.8	79.1	86.1	88.0	88.5	90.8	93.4	95.4	98.4	98.7	99.1	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 633

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	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	29.7	32.4	36.6	37.6	37.6	39.2	39.8	40.9	41.1	41.3	41.4	41.4	41.6	41.6	41.8	
GE 20000	31.3	34.1	38.5	39.6	39.6	41.4	42.2	43.5	43.6	43.8	44.0	44.2	44.4	44.4	44.8	
GE 18000	31.5	34.4	38.9	40.0	40.0	41.8	42.5	43.8	44.0	44.2	44.4	44.6	44.8	44.8	45.1	
GE 16000	31.5	34.4	38.9	40.0	40.0	41.8	42.5	43.8	44.0	44.2	44.4	44.6	44.8	44.8	45.1	
GE 14000	31.7	34.6	39.0	40.1	40.1	42.0	42.7	44.0	44.2	44.4	44.6	44.8	44.9	44.9	45.3	
GE 12000	31.9	34.8	39.6	40.7	40.7	42.5	43.3	44.6	44.8	44.9	45.1	45.3	45.5	45.5	45.9	
GE 10000	33.3	36.5	41.4	42.5	42.5	44.8	45.5	46.8	47.1	47.3	47.5	47.7	47.9	47.9	48.3	
GE 9000	33.5	36.6	41.6	42.7	42.7	44.9	45.7	47.0	47.3	47.5	47.7	47.9	48.1	48.1	48.4	
GE 8000	36.3	39.4	44.4	46.0	46.2	48.6	49.5	51.2	51.6	51.7	51.9	52.3	52.7	52.9	53.2	
GE 7000	36.8	40.0	45.1	47.0	47.1	49.5	50.5	52.1	52.5	52.7	52.9	53.2	53.6	53.8	54.1	
GE 6000	37.0	40.1	45.5	47.3	47.5	49.9	50.8	52.5	52.9	53.0	53.2	53.6	54.0	54.1	54.5	
GE 5000	38.1	41.3	46.6	48.6	48.8	51.2	52.1	53.8	54.5	54.7	54.9	55.2	55.6	55.8	56.2	
GE 4500	40.0	44.2	49.7	51.7	51.9	54.7	55.6	57.3	58.2	58.4	58.6	58.9	59.3	59.5	59.9	
GE 4000	41.8	46.4	52.3	54.3	54.5	57.3	58.2	60.0	61.0	61.1	61.3	61.7	62.1	62.2	62.6	
GE 3500	43.8	48.8	54.9	56.9	57.1	59.9	60.8	62.8	63.7	63.9	64.1	64.5	65.0	65.4	65.7	
GE 3000	44.9	51.0	57.8	60.2	60.6	63.7	64.6	66.7	67.8	68.0	68.1	68.5	69.1	69.4	69.8	
GE 2500	45.7	51.9	58.7	61.1	61.5	65.0	65.9	68.0	69.1	69.2	69.4	69.8	70.3	70.7	71.1	
GE 2000	46.8	53.2	60.8	63.5	63.9	67.4	68.9	71.6	73.5	73.8	74.0	74.4	75.0	75.3	75.7	
GE 1800	47.0	53.4	61.1	63.9	64.3	67.8	69.4	72.4	74.4	74.8	75.0	75.3	75.9	76.2	76.6	
GE 1500	47.5	54.1	62.1	65.0	65.4	68.9	70.7	73.8	76.2	76.8	77.0	77.3	77.9	78.3	78.6	
GE 1200	48.3	54.9	62.8	66.1	66.5	70.2	72.0	75.3	77.9	78.5	78.6	79.0	79.6	79.9	80.3	
GE 1000	49.5	56.2	64.3	67.6	68.0	71.8	73.7	77.0	79.6	80.3	80.5	80.8	81.4	81.8	82.1	
GE 900	50.5	57.1	65.6	68.9	69.2	73.5	75.3	78.6	81.2	82.0	82.1	82.5	83.1	83.4	83.8	
GE 800	51.0	57.6	66.7	70.0	70.3	75.0	76.8	80.1	82.9	83.8	84.0	84.3	84.9	85.3	85.6	
GE 700	51.9	58.6	67.8	71.1	71.5	76.1	78.1	81.4	84.2	85.1	85.3	85.6	86.2	86.6	86.9	
GE 600	51.9	58.6	68.0	71.5	71.8	76.6	78.8	82.1	85.5	86.6	86.7	87.1	87.7	88.0	88.4	
GE 500	51.9	58.6	68.0	71.5	72.0	77.0	79.2	82.7	87.1	88.2	88.4	89.0	89.5	89.9	90.2	
GE 400	51.9	58.6	68.3	71.8	72.4	77.3	79.9	83.6	88.6	90.8	91.2	91.7	92.3	92.6	93.2	
GE 300	51.9	58.6	68.3	72.0	72.6	77.5	80.1	84.0	89.3	92.4	93.0	93.6	94.7	95.0	95.6	
GE 200	51.9	58.6	68.3	72.0	72.6	77.5	80.1	84.0	89.5	92.6	93.2	94.1	95.6	95.9	97.6	
GE 100	51.9	58.6	68.3	72.0	72.6	77.5	80.1	84.0	89.5	92.8	93.4	94.3	95.9	96.3	99.8	
GE 0	51.9	58.6	68.3	72.0	72.6	77.5	80.1	84.0	89.5	92.8	93.4	94.3	95.9	96.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 543

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: APR HOURS(LST): 0900-1100

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		30.6	31.8	34.5	34.9	34.9	35.7	36.0	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 20000		32.5	33.8	36.9	37.3	37.4	38.2	38.7	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 18000		32.6	33.9	37.1	37.4	37.6	38.4	38.9	39.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 16000		32.6	33.9	37.1	37.4	37.6	38.4	38.9	39.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 14000		33.0	34.2	37.4	37.7	37.9	38.7	39.2	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 12000		34.6	35.8	39.3	39.6	39.8	40.6	41.1	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 10000		36.3	37.7	41.4	41.7	41.9	42.7	43.2	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 9000		36.6	38.1	42.3	42.4	42.5	43.3	43.8	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 8000		38.5	40.0	45.4	46.2	46.3	47.3	47.8	47.9	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 7000		39.3	40.8	46.5	47.3	47.5	48.7	49.2	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 6000		40.1	41.6	47.3	48.1	48.2	49.5	50.0	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 5000		40.6	42.4	48.1	48.9	49.0	50.3	50.8	51.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 4500		42.8	44.9	50.8	51.9	52.1	53.3	53.8	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 4000		45.1	47.6	53.7	54.9	55.1	56.4	56.8	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 3500		47.8	50.5	56.8	58.1	58.3	59.6	60.0	60.2	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 3000		53.5	56.8	63.4	65.1	65.3	66.6	67.2	67.4	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 2500		56.1	59.7	66.7	68.5	68.6	70.1	70.7	70.9	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 2000		58.1	62.1	70.4	72.1	72.3	73.7	74.4	74.5	75.8	76.0	76.0	76.0	76.0	76.0	76.0
GE 1800		59.2	63.4	71.7	73.4	73.6	75.2	76.0	76.1	77.4	77.7	77.7	77.7	77.7	77.7	77.7
GE 1500		60.0	64.2	72.9	75.0	75.3	77.1	78.0	78.2	79.5	80.3	80.3	80.3	80.3	80.3	80.3
GE 1200		61.3	65.4	75.2	77.4	78.0	79.8	80.7	80.9	82.6	83.4	83.4	83.4	83.4	83.4	83.4
GE 1000		62.1	66.2	76.1	78.5	79.1	81.1	82.5	82.6	84.4	85.2	85.2	85.2	85.2	85.2	85.2
GE 900		62.6	67.0	78.3	80.4	81.2	83.1	84.7	84.9	86.9	87.7	87.7	87.7	87.7	87.7	87.7
GE 800		62.9	67.4	78.8	81.4	82.2	84.4	86.0	86.1	88.4	89.2	89.2	89.2	89.2	89.2	89.2
GE 700		63.1	68.0	79.5	83.0	83.8	86.0	88.1	88.2	91.1	91.9	91.9	91.9	91.9	91.9	91.9
GE 600		63.1	68.0	79.9	83.4	84.2	86.9	89.3	89.6	93.2	94.1	94.1	94.1	94.1	94.1	94.1
GE 500		63.1	68.0	79.9	83.8	84.6	87.4	90.0	90.3	94.3	95.2	95.2	95.2	95.2	95.2	95.2
GE 400		63.1	68.0	79.9	83.8	84.6	87.4	90.3	90.6	95.7	97.0	97.0	97.0	97.0	97.0	97.0
GE 300		63.1	68.0	79.9	83.8	84.6	87.4	90.3	90.6	96.0	97.3	97.5	97.5	97.8	97.8	97.8
GE 200		63.1	68.0	79.9	83.8	84.6	87.4	90.3	90.6	96.3	97.6	97.8	97.8	98.7	98.7	99.4
GE 100		63.1	68.0	79.9	83.8	84.6	87.4	90.3	90.6	96.3	97.6	97.8	97.8	98.7	98.7	99.8
GE 0		63.2	68.2	80.1	83.9	84.7	87.6	90.4	90.8	96.5	97.8	97.9	97.9	98.9	98.9	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: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
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	34.7	35.5	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	
GE 20000	38.0	38.8	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	
GE 18000	38.0	38.8	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	
GE 16000	38.0	38.8	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	
GE 14000	38.0	38.8	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	
GE 12000	39.7	40.5	41.8	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	
GE 10000	41.7	42.4	43.7	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	
GE 9000	42.3	43.1	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	
GE 8000	45.2	46.1	47.5	47.5	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	
GE 7000	45.9	46.9	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
GE 6000	46.1	47.1	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	
GE 5000	47.5	48.6	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	
GE 4500	49.3	50.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	
GE 4000	50.9	52.3	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
GE 3500	54.8	56.8	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	
GE 3000	64.9	67.2	70.9	70.9	71.1	71.2	71.2	71.2	71.7	71.7	71.7	71.7	71.7	71.7	71.7	
GE 2500	71.1	73.9	78.5	78.5	78.7	78.9	78.9	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	
GE 2000	74.2	77.7	83.3	83.3	83.5	83.6	83.6	83.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	
GE 1800	74.9	78.5	84.4	84.4	84.6	84.9	84.9	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	
GE 1500	75.8	79.8	85.9	86.0	86.6	87.0	87.0	87.3	88.2	88.6	88.6	88.6	88.6	88.6	88.6	
GE 1200	76.0	80.0	86.3	86.5	87.3	87.8	87.9	88.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	
GE 1000	76.0	80.3	87.4	87.6	88.4	89.2	89.8	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	
GE 900	76.0	80.3	87.9	88.7	89.5	90.3	90.9	91.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	
GE 800	76.8	81.1	89.0	90.0	90.8	91.7	92.4	93.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	
GE 700	77.1	81.4	89.5	90.5	91.3	92.2	92.8	93.5	95.1	95.5	95.5	95.5	95.5	95.5	95.5	
GE 600	77.1	81.4	89.5	90.6	91.7	92.7	93.3	94.0	96.0	96.5	96.5	96.5	96.5	96.5	96.5	
GE 500	77.1	81.7	89.8	90.9	92.1	93.0	93.6	94.3	96.5	97.1	97.5	97.5	97.5	97.5	97.5	
GE 400	77.1	81.7	89.8	90.9	92.2	93.2	94.0	94.8	97.1	98.1	98.4	98.4	98.4	98.4	98.4	
GE 300	77.1	81.7	89.8	90.9	92.2	93.2	94.1	94.9	97.8	98.9	99.2	99.4	99.4	99.4	99.4	
GE 200	77.1	81.7	89.8	90.9	92.2	93.2	94.1	95.1	97.9	99.0	99.4	99.5	99.7	99.7	99.8	
GE 100	77.1	81.7	89.8	90.9	92.2	93.2	94.1	95.1	97.9	99.0	99.4	99.5	99.7	99.7	99.8	
GE 0	77.1	81.7	89.8	90.9	92.4	93.3	94.3	95.2	98.1	99.2	99.5	99.7	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 629

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 76-85
MONTH: APR 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		36.5	36.7	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 20000		40.4	40.8	41.4	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 18000		40.8	41.2	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 16000		40.8	41.2	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 14000		41.0	41.4	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
GE 12000		41.4	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 10000		43.6	44.0	44.6	44.6	44.6	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 9000		45.4	45.8	46.4	46.4	46.4	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 8000		47.4	48.0	48.6	48.6	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 7000		49.2	49.8	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 6000		49.2	49.8	50.4	50.4	50.4	50.4	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 5000		50.2	50.8	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 4500		51.4	52.0	52.6	52.6	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 4000		55.4	56.0	57.0	57.2	57.2	57.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 3500		61.0	62.0	63.5	63.7	63.7	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 3000		72.3	73.5	76.5	76.7	76.7	77.1	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 2500		77.7	80.1	84.3	84.9	84.9	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000		80.1	82.5	87.8	88.4	88.4	89.2	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1800		80.5	82.9	88.2	88.8	88.8	89.6	90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1500		81.9	84.5	89.8	90.4	90.4	91.2	91.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200		81.9	84.5	90.3	90.6	90.6	91.6	92.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000		82.5	85.3	91.0	91.6	91.6	92.6	93.6	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 900		82.7	85.5	91.6	92.6	92.6	93.8	95.0	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800		82.9	85.7	91.8	92.8	92.8	94.0	95.2	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700		82.9	85.7	91.8	92.8	92.8	94.0	95.4	96.0	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 600		82.9	85.7	91.8	92.8	93.0	94.2	95.8	96.4	97.2	97.6	97.6	97.6	97.6	97.6	97.6
GE 500		82.9	86.3	92.4	93.4	93.6	94.8	96.4	97.0	98.0	98.4	98.4	98.6	98.6	98.6	98.6
GE 400		82.9	86.3	92.4	93.4	93.6	94.8	96.4	97.0	98.0	98.4	98.4	98.6	98.6	98.6	98.6
GE 300		82.9	86.3	92.4	93.4	93.6	95.0	97.0	97.6	98.8	99.2	99.2	99.6	99.6	99.6	99.6
GE 200		82.9	86.3	92.4	93.4	93.6	95.0	97.0	97.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0
GE 100		82.9	86.3	92.4	93.4	93.6	95.0	97.0	97.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0
GE 0		82.9	86.3	92.4	93.4	93.6	95.0	97.0	97.6	99.0	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 498

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAY 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	27.7	30.6	33.4	34.5	34.9	36.0	37.8	38.0	38.7	38.9	38.9	38.9	38.9	38.9	39.1	
GE 20000	29.2	32.5	35.4	36.5	36.9	38.2	40.0	40.2	41.0	41.1	41.1	41.1	41.1	41.1	41.5	
GE 18000	29.2	32.5	35.4	36.5	36.9	38.2	40.0	40.2	41.0	41.1	41.1	41.1	41.1	41.1	41.7	
GE 16000	29.2	32.5	35.4	36.5	36.9	38.2	40.0	40.2	41.0	41.1	41.1	41.1	41.1	41.1	41.7	
GE 14000	29.7	33.0	36.3	37.1	37.5	38.7	40.6	40.8	41.5	41.7	41.7	41.7	41.7	41.7	42.3	
GE 12000	30.3	33.6	36.7	37.8	38.2	39.5	41.3	41.5	42.3	42.4	42.4	42.4	42.4	42.4	43.0	
GE 10000	33.0	36.5	40.2	41.3	41.7	43.2	45.0	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.7	
GE 9000	33.9	37.5	41.5	42.6	43.0	44.5	46.5	46.7	47.4	47.6	47.6	47.6	47.6	47.6	48.2	
GE 8000	36.5	40.8	46.3	47.6	48.0	49.8	52.0	52.2	53.0	53.1	53.1	53.1	53.3	53.3	53.9	
GE 7000	36.7	41.0	46.5	48.0	48.3	50.2	52.4	52.6	53.3	53.5	53.5	53.5	53.7	53.7	54.2	
GE 6000	36.9	41.1	46.7	48.2	48.5	50.4	52.6	52.8	53.5	53.7	53.7	53.7	53.9	53.9	54.4	
GE 5000	38.4	42.8	48.3	49.8	50.2	52.0	54.2	54.4	55.2	55.4	55.4	55.4	55.5	55.5	56.1	
GE 4500	40.8	45.6	52.0	53.5	54.1	55.9	58.1	58.3	59.0	59.2	59.2	59.2	59.4	59.4	60.0	
GE 4000	41.7	46.5	53.7	55.2	55.7	57.7	60.1	60.3	61.1	61.3	61.3	61.3	61.4	61.4	62.2	
GE 3500	43.9	48.9	56.3	57.9	58.5	60.7	63.1	63.3	64.2	64.4	64.4	64.4	64.6	64.6	65.3	
GE 3000	45.6	51.1	58.9	60.5	61.1	63.5	65.9	66.4	67.3	67.7	67.7	67.7	67.9	67.9	68.6	
GE 2500	45.8	51.3	59.0	60.7	61.3	64.0	66.4	67.0	68.3	68.6	68.6	68.6	68.8	68.8	69.6	
GE 2000	46.1	52.0	60.3	61.6	62.2	64.9	67.3	67.9	69.2	69.6	69.6	69.6	69.9	69.9	70.7	
GE 1800	46.7	52.6	60.5	62.2	62.7	65.5	67.9	68.5	69.9	70.3	70.3	70.3	70.7	70.7	71.4	
GE 1500	47.8	53.7	61.6	63.3	63.8	66.6	69.2	69.7	71.2	71.6	71.6	71.6	72.0	72.0	72.7	
GE 1200	48.5	54.8	63.5	65.7	66.2	69.0	72.0	72.5	74.0	74.4	74.4	74.4	74.7	74.7	75.5	
GE 1000	49.1	56.3	66.1	68.3	68.8	72.0	74.9	75.6	77.9	78.4	78.4	78.4	78.8	78.8	79.5	
GE 900	49.1	56.3	66.2	68.6	69.2	72.3	75.3	76.0	78.2	78.8	78.8	78.8	79.2	79.2	79.9	
GE 800	49.6	57.0	67.2	69.9	70.5	73.8	76.8	77.7	80.3	80.8	80.8	80.8	81.2	81.2	81.9	
GE 700	50.0	57.4	68.3	71.0	71.8	75.3	78.	79.5	82.5	83.4	83.4	83.4	83.8	83.8	84.5	
GE 600	50.2	57.6	68.5	71.2	72.0	76.0	79.2	80.4	83.8	84.7	84.7	84.9	85.2	85.2	86.0	
GE 500	50.2	57.6	69.6	72.3	73.1	77.3	80.4	81.7	85.2	86.2	86.2	86.5	86.9	86.9	87.6	
GE 400	50.2	57.6	69.9	72.9	73.8	78.0	81.7	83.2	88.0	89.3	89.3	89.7	90.0	90.0	90.8	
GE 300	50.2	57.6	69.9	72.9	73.8	78.0	81.9	83.4	89.1	91.9	92.6	93.2	94.5	94.6	95.9	
GE 200	50.2	57.6	69.9	72.9	73.8	78.0	81.9	83.4	89.7	93.0	94.1	95.2	97.4	97.8	99.6	
GE 100	50.2	57.6	69.9	72.9	73.8	78.0	81.9	83.4	89.7	93.2	94.3	95.4	97.6	98.0	100.0	
GE 0	50.2	57.6	69.9	72.9	73.8	78.0	81.9	83.4	89.7	93.2	94.3	95.4	97.6	98.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 542

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 0900-1100

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		32.6	33.1	35.5	36.2	36.2	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 20000		36.8	37.3	40.0	40.7	40.7	40.8	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000		37.3	37.8	40.5	41.2	41.2	41.3	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 16000		37.3	37.8	40.5	41.2	41.2	41.3	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 14000		37.5	37.9	40.7	41.3	41.3	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 12000		38.7	39.2	42.0	42.6	42.6	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 10000		40.5	41.0	44.2	44.9	44.9	45.0	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 9000		41.5	42.0	45.2	45.8	45.8	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 8000		44.7	45.5	49.2	50.2	50.2	50.3	50.3	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 7000		45.5	46.3	50.0	51.0	51.0	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 6000		45.5	46.3	50.0	51.3	51.3	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 5000		46.0	46.8	50.8	51.9	51.9	52.1	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 4500		46.9	47.7	51.9	53.1	53.1	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 4000		48.2	49.0	53.4	54.5	54.5	54.7	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 3500		51.3	52.9	57.6	58.7	58.8	59.0	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 3000		57.2	59.3	64.1	65.4	65.6	65.8	66.2	66.2	66.7	66.9	66.9	66.9	66.9	66.9	66.9
GE 2500		58.8	60.9	66.2	67.7	67.8	68.6	69.1	69.1	69.8	69.9	69.9	69.9	69.9	69.9	69.9
GE 2000		60.9	63.2	68.5	70.4	70.6	71.4	71.9	71.9	72.7	72.8	72.8	72.8	72.8	72.8	72.8
GE 1800		61.9	64.1	69.6	71.5	71.7	72.7	73.2	73.2	74.0	74.1	74.1	74.1	74.1	74.1	74.1
GE 1500		64.1	66.4	72.0	74.0	74.1	75.1	75.6	75.6	76.4	76.5	76.5	76.5	76.5	76.5	76.5
GE 1200		66.1	68.3	74.8	77.0	77.3	78.5	78.9	79.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4
GE 1000		67.0	69.6	76.0	78.6	78.9	80.4	81.0	81.5	83.6	84.1	84.1	84.2	84.2	84.2	84.2
GE 900		68.0	70.6	77.2	79.7	80.1	81.5	82.2	82.6	84.7	85.2	85.2	85.4	85.4	85.4	85.4
GE 800		68.3	71.1	78.0	80.5	80.9	82.6	84.2	84.9	87.6	88.1	88.1	88.3	88.3	88.3	88.3
GE 700		68.3	71.1	78.1	80.7	81.0	82.8	84.6	85.4	88.4	88.9	88.9	89.1	89.1	89.1	89.1
GE 600		68.5	71.5	78.8	81.4	81.7	83.6	85.5	86.7	90.4	91.0	91.0	91.2	91.2	91.2	91.2
GE 500		68.5	71.5	78.8	81.7	82.0	83.9	86.2	87.3	91.8	92.6	92.8	92.9	92.9	92.9	92.9
GE 400		68.5	71.5	78.8	82.0	82.6	84.6	86.8	87.9	93.2	94.4	94.9	95.3	95.3	95.3	95.3
GE 300		68.5	71.5	78.8	82.2	82.8	84.7	87.0	88.3	94.4	96.3	96.9	97.6	97.9	98.2	98.2
GE 200		68.5	71.5	78.8	82.2	82.8	84.7	87.0	88.3	94.4	97.4	98.4	99.0	99.7	100.0	100.0
GE 100		68.5	71.5	78.8	82.2	82.8	84.7	87.0	88.3	94.4	97.4	98.4	99.0	99.7	100.0	100.0
GE 0		68.5	71.5	78.8	82.2	82.8	84.7	87.0	88.3	94.4	97.4	98.4	99.0	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 622

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAY 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	33.6	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	
GE 20000	39.9	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	
GE 18000	40.2	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	40.7	
GE 16000	40.2	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	40.7	
GE 14000	40.2	40.5	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	
GE 12000	40.4	40.7	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	
GE 10000	43.5	43.9	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	
GE 9000	44.7	45.2	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	
GE 8000	47.3	48.0	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
GE 7000	48.0	48.6	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	
GE 6000	48.0	48.8	49.6	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	
GE 5000	48.3	49.1	49.9	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	
GE 4500	49.1	49.9	50.7	51.1	51.1	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 4000	51.5	52.3	53.2	53.5	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	
GE 3500	56.9	57.8	59.8	60.3	60.3	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	
GE 3000	66.2	67.9	70.1	70.8	70.8	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	
GE 2500	69.6	71.4	73.8	74.6	74.6	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
GE 2000	74.8	76.6	79.6	80.6	80.6	82.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	
GE 1800	76.4	78.2	81.6	82.6	82.6	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	
GE 1500	78.4	80.3	83.7	84.7	85.0	86.8	87.2	87.2	87.6	87.6	87.6	87.6	87.6	87.6	87.6	
GE 1200	79.6	81.6	85.1	86.3	86.6	88.4	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
GE 1000	80.6	82.6	86.1	87.2	87.6	89.5	90.8	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
GE 900	80.6	82.6	86.3	87.4	87.7	89.7	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
GE 800	80.6	82.6	86.4	87.6	87.9	89.8	91.4	91.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GE 700	80.6	82.6	86.8	88.4	88.7	90.6	92.2	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
GE 600	80.6	82.6	86.9	88.5	88.9	91.0	92.6	93.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GE 500	80.6	82.6	86.9	88.5	88.9	91.0	92.6	93.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
GE 400	80.6	82.6	86.9	88.9	89.3	91.6	93.7	94.3	96.9	97.3	97.3	97.4	97.4	97.4	97.4	
GE 300	80.6	82.6	86.9	88.9	89.3	91.6	93.7	94.3	97.7	98.7	98.9	99.2	99.4	99.4	99.4	
GE 200	80.6	82.6	86.9	88.9	89.3	91.6	93.7	94.3	97.7	98.9	99.2	99.8	100.0	100.0	100.0	
GE 100	80.6	82.6	86.9	88.9	89.3	91.6	93.7	94.3	97.7	98.9	99.2	99.8	100.0	100.0	100.0	
GE 0	80.6	82.6	86.9	88.9	89.3	91.6	93.7	94.3	97.7	98.9	99.2	99.8	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 619

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 76-85
MONTH: MAY HOURS(LST): 1500-1700

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		32.9	32.9	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
GE 20000		38.9	38.9	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 18000		39.9	39.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 16000		39.9	39.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 14000		39.9	39.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 12000		40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 10000		42.7	42.7	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 9000		45.4	45.4	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000		48.4	49.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 7000		49.2	49.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 6000		49.2	49.8	51.0	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 5000		50.0	50.6	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 4500		51.6	52.4	53.8	54.2	54.2	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 4000		55.0	55.8	57.5	57.9	57.9	58.5	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 3500		62.3	63.3	66.5	66.9	66.9	68.1	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 3000		73.0	74.2	78.3	78.6	78.6	79.8	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 2500		75.0	76.4	80.2	81.3	81.3	82.9	83.1	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 2000		77.4	78.8	82.9	83.9	83.9	85.5	85.7	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800		79.4	80.8	84.9	86.1	86.1	87.7	87.9	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1500		81.5	82.9	87.7	88.9	88.9	90.5	90.7	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1200		82.3	83.9	88.9	90.1	90.1	91.7	91.9	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000		82.5	84.1	89.1	90.5	90.5	92.1	92.5	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 900		82.5	84.1	89.3	90.7	90.9	92.5	92.9	93.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 800		82.5	84.1	89.3	90.7	90.9	92.9	93.3	93.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 700		82.5	84.1	89.5	91.3	91.5	93.5	94.0	94.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 600		82.5	84.1	89.7	91.5	91.7	94.0	94.4	95.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 500		82.5	84.1	89.7	91.5	91.7	94.0	94.4	95.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 400		82.5	84.1	89.7	91.5	91.7	94.0	94.8	95.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0
GE 300		82.5	84.1	89.7	91.5	91.7	94.2	95.0	95.6	98.2	98.8	99.0	99.0	99.0	99.0	99.0
GE 200		82.5	84.1	89.7	91.5	91.7	94.2	95.0	95.6	98.2	98.8	99.4	99.6	99.6	99.6	99.6
GE 100		82.5	84.1	89.7	91.5	91.7	94.4	95.2	95.8	98.4	99.0	99.6	99.8	99.8	99.8	99.8
GE 0		82.5	84.1	89.7	91.5	91.7	94.6	95.4	96.0	98.6	99.2	99.8	100.0	100.0	100.0	100.0

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: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: JUN 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		27.3	31.0	33.8	35.9	36.4	38.1	38.7	38.8	40.0	40.0	40.0	40.0	40.0	40.0	40.1
GE 20000		28.8	33.1	36.1	38.1	38.7	40.3	40.9	41.1	42.4	42.4	42.4	42.4	42.4	42.4	42.6
GE 18000		29.0	33.3	36.2	38.3	38.8	40.5	41.1	41.3	42.6	42.6	42.6	42.6	42.6	42.6	42.8
GE 16000		29.0	33.3	36.2	38.3	38.8	40.5	41.1	41.3	42.6	42.6	42.6	42.6	42.6	42.6	42.8
GE 14000		29.0	33.3	36.2	38.3	38.8	40.5	41.1	41.3	42.6	42.6	42.6	42.6	42.6	42.6	42.8
GE 12000		29.2	33.5	36.4	38.5	39.0	40.7	41.3	41.4	42.8	42.8	42.8	42.8	42.8	42.8	42.9
GE 10000		32.5	37.2	40.3	42.4	42.9	45.0	45.5	45.7	47.0	47.0	47.0	47.0	47.0	47.0	47.2
GE 9000		34.6	39.2	42.8	45.0	45.7	47.8	48.3	48.5	50.0	50.0	50.0	50.0	50.0	50.0	50.2
GE 8000		41.4	47.0	50.9	53.3	54.1	56.1	56.7	57.1	58.6	58.6	58.6	58.6	58.6	58.6	58.7
GE 7000		43.9	49.4	53.3	55.8	56.5	58.6	59.1	59.5	61.3	61.5	61.5	61.5	61.5	61.5	61.7
GE 6000		43.9	49.4	53.3	55.8	56.5	58.6	59.1	59.5	61.3	61.5	61.5	61.5	61.5	61.5	61.7
GE 5000		44.8	50.4	54.5	57.1	57.8	59.9	60.4	60.8	62.8	63.0	63.0	63.0	63.0	63.0	63.2
GE 4500		46.1	53.0	57.1	59.9	60.6	62.6	63.2	63.6	65.8	66.0	66.0	66.0	66.0	66.0	66.2
GE 4000		48.0	55.0	59.1	62.3	63.0	65.2	66.0	66.4	68.6	68.8	68.8	68.8	68.8	68.8	69.0
GE 3500		49.4	56.7	61.5	64.7	65.4	68.0	68.8	69.1	71.7	71.9	71.9	71.9	71.9	71.9	72.1
GE 3000		50.9	58.6	64.3	67.8	68.6	71.2	71.9	72.3	75.3	75.5	75.5	75.5	75.5	75.5	75.7
GE 2500		51.5	59.1	64.9	68.6	69.3	71.9	72.7	73.0	76.4	76.6	76.6	76.6	76.6	76.6	76.8
GE 2000		51.7	59.3	65.4	69.7	70.4	73.0	73.8	74.2	77.5	77.9	77.9	77.9	77.9	77.9	78.1
GE 1800		52.2	59.9	66.3	70.3	71.0	73.6	74.3	74.7	78.1	78.4	78.4	78.4	78.4	78.4	78.6
GE 1500		52.8	60.4	66.7	71.2	71.9	74.9	75.8	76.2	79.7	80.1	80.1	80.1	80.1	80.1	80.3
GE 1200		53.9	61.9	69.3	73.6	74.3	77.3	78.4	78.8	82.3	82.7	82.7	82.7	82.7	82.7	82.9
GE 1000		54.1	62.1	69.3	74.2	74.9	78.1	79.2	79.6	83.3	83.6	83.6	83.6	83.6	83.6	83.8
GE 900		55.4	63.4	70.6	75.7	76.4	79.6	80.7	81.0	84.8	85.1	85.1	85.1	85.1	85.1	85.3
GE 800		55.6	63.6	71.7	76.8	77.5	80.7	81.8	82.2	85.9	86.2	86.2	86.2	86.2	86.2	86.4
GE 700		57.1	65.1	73.8	79.4	80.1	83.8	84.9	85.3	89.2	89.6	89.6	89.8	89.8	89.8	90.0
GE 600		57.4	65.4	74.9	80.7	81.4	85.5	87.0	87.4	91.3	91.6	91.6	91.8	91.8	91.8	92.0
GE 500		57.6	65.6	75.1	81.0	81.8	86.2	87.9	88.3	92.6	92.9	92.9	93.3	93.3	93.3	93.5
GE 400		57.6	65.6	75.5	81.8	82.7	87.2	88.8	89.2	94.4	95.4	95.4	95.9	96.1	96.1	96.3
GE 300		57.6	65.6	75.5	81.8	82.7	87.4	89.0	89.4	95.0	96.5	96.5	97.2	97.8	97.8	98.3
GE 200		57.6	65.6	75.5	81.8	82.7	87.4	89.0	89.4	95.2	97.0	97.2	98.0	98.9	98.9	99.4
GE 100		57.6	65.6	75.5	81.8	82.7	87.4	89.0	89.4	95.2	97.0	97.2	98.0	98.9	98.9	99.4
GE 0		57.6	65.6	75.5	81.8	82.7	87.4	89.0	89.4	95.2	97.0	97.2	98.0	98.9	98.9	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: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	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		29.0	30.9	31.9	33.5	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 20000		33.5	35.3	36.6	38.1	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 18000		33.5	35.3	36.6	38.1	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 16000		33.5	35.3	36.6	38.1	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 14000		33.6	35.5	36.7	38.3	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 12000		34.1	36.0	37.2	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 10000		37.0	39.4	40.6	42.1	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 9000		39.0	41.4	42.7	44.6	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 8000		44.0	46.9	48.3	50.3	50.5	50.6	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 7000		45.1	48.1	49.5	51.5	51.7	51.9	51.9	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 6000		45.4	48.5	49.8	51.9	52.0	52.2	52.2	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 5000		46.1	49.2	50.8	52.8	53.1	53.2	53.2	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 4500		48.8	51.9	53.4	55.6	56.0	56.2	56.3	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 4000		51.4	54.6	56.8	59.1	59.6	59.9	60.3	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 3500		53.9	57.6	60.2	63.4	63.9	64.5	65.1	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 3000		62.2	66.4	69.6	73.1	73.6	74.2	75.0	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2500		65.6	69.8	73.3	77.2	77.6	78.4	79.2	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 2000		67.6	72.4	76.1	80.2	80.7	81.9	82.7	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1800		68.4	73.1	76.9	81.0	81.5	82.7	83.5	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1500		69.6	74.4	78.4	82.9	83.3	84.6	85.5	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1200		72.4	77.3	81.5	86.1	86.6	88.0	88.9	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 1000		72.7	77.6	81.9	86.7	87.2	88.6	89.5	90.6	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 900		73.6	78.5	83.0	87.8	88.3	90.0	90.9	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 800		73.6	78.5	83.0	87.8	88.3	90.0	90.9	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 700		74.2	79.6	84.6	89.7	90.3	92.0	93.1	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 600		74.4	79.8	84.7	90.0	90.6	92.4	93.8	95.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 500		74.5	79.9	84.9	90.3	90.9	92.7	94.3	95.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 400		74.5	79.9	84.9	90.3	90.9	92.9	94.6	96.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 300		74.5	80.1	85.0	90.4	91.0	93.1	95.2	96.6	98.9	98.9	98.9	99.5	99.5	99.5	99.5
GE 200		74.5	80.1	85.0	90.4	91.0	93.1	95.2	96.6	98.9	98.9	98.9	99.5	99.7	99.7	99.7
GE 100		74.5	80.1	85.0	90.4	91.0	93.1	95.2	96.6	98.9	98.9	98.9	99.5	99.7	99.7	99.8
GE 0		74.5	80.1	85.0	90.4	91.0	93.1	95.2	96.6	98.9	98.9	98.9	99.5	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

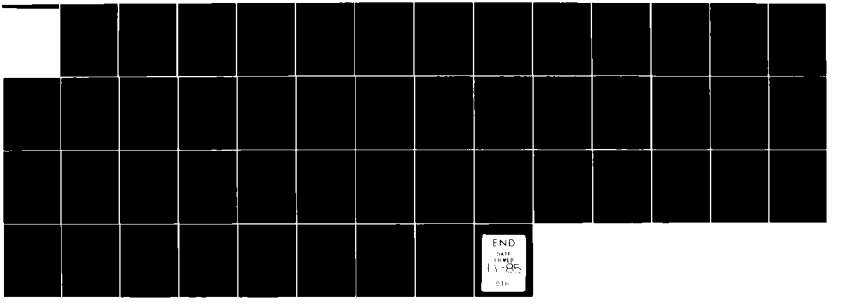
PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1200-1400

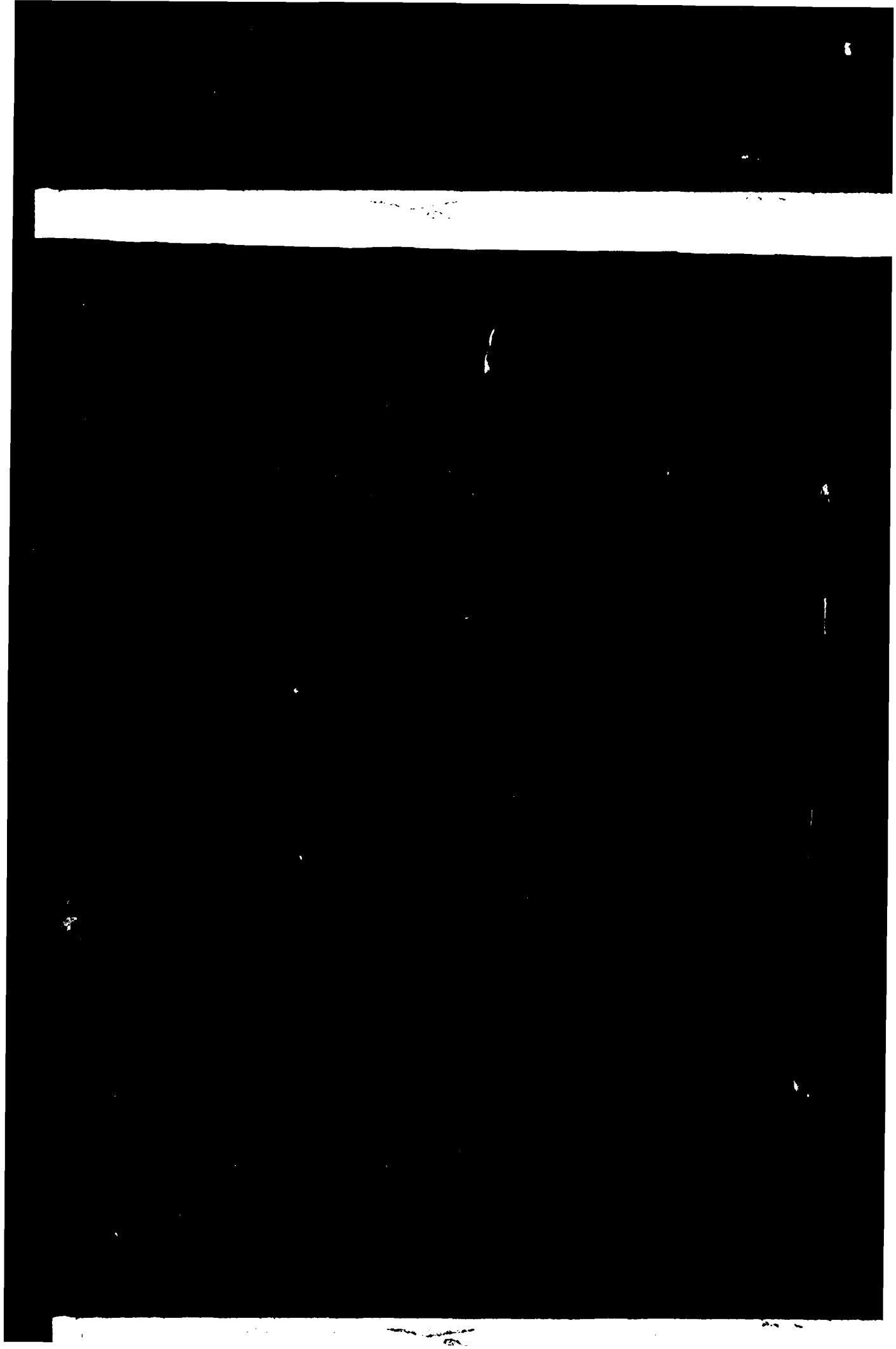
CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		28.3	28.9	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
GE 20000		32.2	32.8	33.4	33.4	33.4	33.4	33.4	33.4	33.6	33.6	33.6	33.6	33.6	33.6	33.6
GE 18000		32.8	33.4	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 16000		32.8	33.4	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 14000		32.8	33.4	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 12000		32.8	33.4	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2
GE 10000		35.9	36.5	37.2	37.3	37.3	37.3	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 9000		38.3	38.9	39.5	39.7	39.7	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 8000		42.0	42.8	43.4	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 7000		42.5	43.2	43.9	44.0	44.0	44.0	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 6000		42.9	43.7	44.3	44.5	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 5000		44.0	44.8	45.4	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 4500		48.7	49.6	50.4	50.7	50.7	50.7	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 4000		54.6	55.5	56.6	56.9	56.9	56.9	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 3500		63.5	65.2	66.7	67.2	67.2	67.2	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0
GE 3000		75.3	77.3	80.2	81.0	81.0	81.0	81.6	81.6	81.8	82.0	82.0	82.0	82.0	82.0	82.0
GE 2500		80.4	82.7	86.6	87.6	87.7	87.9	88.5	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8
GE 2000		82.1	84.4	88.3	89.3	89.4	89.6	90.2	90.4	90.7	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800		82.6	84.9	88.8	89.7	89.9	90.0	90.7	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3
GE 1500		83.7	86.2	90.0	91.0	91.1	91.3	91.9	92.1	92.4	92.5	92.5	92.5	92.5	92.5	92.5
GE 1200		84.4	87.2	91.3	92.2	92.4	93.2	93.8	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6
GE 1000		84.6	87.6	91.8	92.8	93.0	93.8	94.4	94.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3
GE 900		84.8	87.9	92.1	93.2	93.3	94.1	94.7	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6
GE 800		85.2	88.5	92.7	93.8	93.9	95.0	95.6	96.0	96.3	96.6	96.7	96.7	96.7	96.7	96.7
GE 700		85.2	88.5	92.7	93.9	94.2	95.6	96.3	96.6	96.9	97.2	97.4	97.4	97.4	97.4	97.4
GE 600		85.4	88.6	93.2	94.6	94.9	96.7	97.4	97.7	98.1	98.4	98.6	98.6	98.6	98.6	98.6
GE 500		85.4	88.6	93.2	94.6	94.9	96.7	97.4	98.0	98.9	99.2	99.4	99.4	99.4	99.4	99.4
GE 400		85.4	88.6	93.3	94.7	95.0	96.9	97.5	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8
GE 300		85.4	88.8	93.3	94.7	95.0	97.0	97.7	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE 200		85.4	88.8	93.3	94.7	95.0	97.0	97.7	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE 100		85.4	88.8	93.3	94.7	95.0	97.0	97.7	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0
GE 0		85.4	88.8	93.3	94.7	95.0	97.0	97.7	98.6	99.5	99.8	100.0	100.0	100.0	100.0	100.0

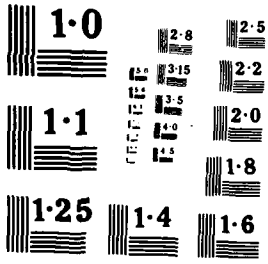
TOTAL NUMBER OF OBSERVATIONS: 643

AD-A159 608 PIRMASENS AHP DL WEST GERMANY LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMA..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 2/2

UNCLASSIFIED SEP 85 USAFETAC/DS-85/053 F/G 4/2 NL






1·0
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3·5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	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	32.8	32.8	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	
GE 20000	38.0	38.0	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	
GE 18000	38.3	38.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	
GE 16000	38.3	38.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	
GE 14000	38.3	38.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	
GE 12000	38.3	38.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	
GE 10000	40.5	40.5	42.2	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	43.9	43.9	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	
GE 8000	52.2	52.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
GE 7000	52.2	52.6	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	
GE 6000	52.6	53.0	54.7	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 5000	55.1	55.5	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
GE 4500	63.6	64.0	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
GE 4000	68.6	69.0	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	
GE 3500	75.5	76.3	79.2	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	
GE 3000	82.9	83.6	87.1	87.3	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	
GE 2500	87.5	88.4	92.7	92.9	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
GE 2000	88.1	89.0	93.3	93.6	93.6	94.0	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	
GE 1800	88.1	89.4	93.6	94.0	94.0	94.4	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
GE 1500	88.8	90.4	94.6	95.0	95.0	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
GE 1200	88.8	90.6	95.0	95.4	95.4	96.1	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 1000	89.2	90.9	95.6	96.0	96.0	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 900	89.2	90.9	95.6	96.0	96.0	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 800	89.2	90.9	95.6	96.0	96.0	96.7	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
GE 700	89.2	90.9	96.0	96.3	96.3	97.1	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 600	89.2	91.1	96.1	96.5	96.5	97.9	98.8	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	
GE 500	89.2	91.1	96.1	96.5	96.5	98.1	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	
GE 400	89.2	91.1	96.3	96.7	96.7	98.3	99.2	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	
GE 300	89.2	91.1	96.3	96.7	96.7	98.3	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	89.2	91.1	96.3	96.7	96.7	98.3	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	89.2	91.1	96.3	96.7	96.7	98.3	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	89.2	91.1	96.3	96.7	96.7	98.3	99.2	99.4	99.6	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 519

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DE

PERIOD OF RECORD: 75-84
MONTH: JUL 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	35.0	39.7	42.5	43.4	43.6	45.0	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	
GE 20000	37.0	41.9	44.8	46.2	46.6	48.1	49.1	49.1	49.3	49.3	49.3	49.3	49.5	49.5	49.5	
GE 18000	37.0	41.9	44.8	46.2	46.6	48.1	49.1	49.1	49.3	49.3	49.3	49.3	49.5	49.5	49.5	
GE 16000	37.0	41.9	44.8	46.2	46.6	48.1	49.1	49.1	49.3	49.3	49.3	49.3	49.5	49.5	49.5	
GE 14000	37.2	42.1	45.0	46.4	46.8	48.3	49.3	49.3	49.5	49.5	49.5	49.5	49.7	49.7	49.7	
GE 12000	38.4	43.2	46.4	47.7	48.1	49.7	50.7	50.7	50.9	50.9	50.9	50.9	51.1	51.1	51.1	
GE 10000	40.3	45.4	48.5	49.9	50.5	52.4	53.4	53.4	53.6	53.6	53.6	53.6	53.8	53.8	53.8	
GE 9000	41.5	46.6	49.9	51.3	51.9	53.8	55.0	55.0	55.2	55.2	55.2	55.2	55.4	55.4	55.4	
GE 8000	46.0	51.7	55.0	56.9	57.5	59.7	61.1	61.1	61.6	61.8	61.8	61.8	62.0	62.0	62.0	
GE 7000	46.0	51.7	56.6	58.5	59.1	61.4	62.8	62.8	63.4	63.6	63.6	63.6	63.8	63.8	63.8	
GE 6000	46.0	51.7	56.6	58.5	59.1	61.4	62.8	62.8	63.4	63.6	63.6	63.6	63.8	63.8	63.8	
GE 5000	46.0	51.9	56.8	58.7	59.3	61.6	63.0	63.0	63.6	63.8	63.8	63.8	64.0	64.0	64.0	
GE 4500	48.1	54.6	59.7	61.6	62.6	65.4	66.7	66.7	67.5	67.7	67.7	67.9	68.1	68.1	68.1	
GE 4000	49.3	56.2	61.6	64.0	65.0	67.7	69.5	69.5	70.5	70.6	70.6	70.8	71.0	71.0	71.0	
GE 3500	50.5	57.5	64.2	66.9	68.1	71.2	73.0	73.0	74.4	74.6	74.6	74.8	75.0	75.0	75.0	
GE 3000	52.6	59.7	66.9	69.7	71.2	74.6	76.9	77.5	79.1	79.3	79.3	79.5	79.6	79.6	79.6	
GE 2500	53.0	60.1	67.5	70.3	71.8	75.3	77.7	78.3	79.8	80.0	80.0	80.2	80.4	80.4	80.4	
GE 2000	53.6	60.7	68.5	71.2	72.8	76.7	79.1	79.6	82.2	82.4	82.4	82.6	82.8	82.8	82.8	
GE 1800	53.6	60.7	68.5	71.2	72.8	76.7	79.1	79.6	82.4	82.6	82.6	82.8	83.0	83.0	83.0	
GE 1500	53.6	60.7	68.7	71.6	73.2	77.1	79.5	80.0	83.0	83.2	83.2	83.4	83.6	83.6	83.6	
GE 1200	53.8	60.9	68.9	71.8	73.4	77.3	79.6	80.2	83.4	83.6	83.6	83.8	84.0	84.0	84.0	
GE 1000	54.2	61.3	69.7	72.8	74.4	78.5	80.8	81.4	85.5	85.7	85.7	85.9	86.1	86.1	86.1	
GE 900	54.4	61.4	69.9	73.0	74.6	78.9	81.2	81.8	85.9	86.1	86.1	86.3	86.5	86.5	86.5	
GE 800	54.4	61.4	70.5	73.6	75.1	79.5	82.2	83.0	87.1	87.7	87.7	87.9	88.1	88.1	88.1	
GE 700	54.6	61.6	71.2	74.4	76.1	80.4	83.6	84.3	88.5	89.4	89.4	89.6	89.8	89.8	89.8	
GE 600	55.0	62.2	71.8	75.3	77.1	82.0	85.3	86.1	90.2	91.2	91.2	91.4	91.6	91.6	91.6	
GE 500	55.0	62.2	72.0	75.5	77.3	82.4	86.1	87.3	92.0	93.0	93.0	93.2	93.3	93.3	93.3	
GE 400	55.0	62.6	72.4	76.3	78.1	84.0	87.7	89.0	94.1	96.1	96.1	96.3	96.5	96.5	96.5	
GE 300	55.0	62.6	72.4	76.3	78.1	84.0	87.7	89.0	94.5	96.5	96.9	97.1	97.5	97.7	97.7	
GE 200	55.0	62.6	72.4	76.3	78.1	84.0	87.7	89.0	94.7	96.9	97.5	97.7	98.4	98.6	98.8	
GE 100	55.0	62.6	72.4	76.3	78.1	84.0	87.7	89.0	94.7	96.9	97.7	98.4	99.6	99.8	100.0	
GE 0	55.0	62.6	72.4	76.3	78.1	84.0	87.7	89.0	94.7	96.9	97.7	98.4	99.6	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 511

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	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	40.0	41.3	42.8	43.3	43.3	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	
GE 20000	43.1	44.7	46.5	47.2	47.2	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	
GE 18000	43.1	45.2	47.0	47.6	47.6	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
GE 16000	43.1	45.2	47.0	47.6	47.6	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	
GE 14000	43.1	45.2	47.2	47.8	47.8	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	
GE 12000	43.7	45.9	47.8	48.5	48.5	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	
GE 10000	46.3	48.5	51.1	51.9	51.9	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	
GE 9000	46.7	48.9	52.0	52.8	52.8	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	
GE 8000	49.8	52.8	56.7	57.6	57.6	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	
GE 7000	50.2	53.3	57.6	58.4	58.4	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	
GE 6000	50.4	53.5	57.7	58.5	58.5	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
GE 5000	50.4	53.8	58.0	58.9	58.9	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	
GE 4500	52.0	55.9	61.1	62.1	62.1	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
GE 4000	54.5	58.9	64.6	65.9	65.9	66.3	66.5	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	
GE 3500	56.1	60.8	67.2	68.5	68.5	69.1	69.3	69.4	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
GE 3000	61.1	66.3	74.0	75.9	75.9	76.6	77.2	77.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	
GE 2500	63.6	68.9	76.7	78.7	78.9	79.7	80.3	80.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	
GE 2000	64.7	70.1	78.5	80.5	80.8	81.6	82.3	82.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE 1800	65.0	70.4	79.2	81.1	81.5	82.3	82.9	83.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
GE 1500	66.3	71.7	82.1	84.9	85.2	86.0	86.7	87.0	88.5	88.5	88.5	88.5	88.5	88.5	88.5	
GE 1200	66.8	72.4	82.8	85.9	86.2	87.2	87.8	88.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 1000	67.8	73.3	84.4	87.5	87.8	88.8	89.4	89.8	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
GE 900	67.8	73.3	84.4	87.8	88.1	89.1	90.1	90.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	
GE 800	67.8	73.3	84.9	88.5	88.9	89.9	91.1	91.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
GE 700	67.8	73.3	84.9	88.8	89.4	90.6	92.0	92.7	95.0	95.0	95.1	95.1	95.1	95.1	95.1	
GE 600	68.0	73.5	85.4	89.6	90.2	91.9	93.5	94.1	96.6	96.6	96.7	96.7	96.9	96.9	96.9	
GE 500	68.0	73.5	85.4	89.6	90.6	92.2	93.8	94.6	97.4	97.4	97.6	97.6	97.7	97.7	97.7	
GE 400	68.0	73.8	85.7	89.9	90.9	92.8	94.5	95.4	98.4	98.7	98.9	99.0	99.2	99.2	99.2	
GE 300	68.0	73.8	85.7	89.9	90.9	92.8	94.5	95.4	98.9	99.2	99.3	99.5	99.7	99.7	99.7	
GE 200	68.0	73.8	85.7	89.9	90.9	92.8	94.5	95.4	98.9	99.2	99.3	99.5	99.7	99.7	99.7	
GE 100	68.0	73.8	85.7	89.9	90.9	92.8	94.5	95.4	98.9	99.2	99.3	99.7	99.8	99.8	99.8	
GE 0	68.0	73.8	85.7	89.9	90.9	92.8	94.5	95.4	98.9	99.3	99.5	99.8	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 615

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 75-84
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		38.4	39.2	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 20000		42.8	43.6	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000		43.0	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 16000		43.0	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 14000		43.0	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 12000		43.8	44.6	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 10000		45.2	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 9000		46.7	47.5	48.3	48.0	46.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 8000		49.7	50.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 7000		50.8	51.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 6000		51.3	52.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 5000		53.1	54.1	55.1	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 4500		55.6	56.6	58.4	58.5	58.5	58.5	58.7	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 4000		58.9	60.0	62.0	62.3	62.3	62.5	62.6	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 3500		66.6	67.9	70.3	70.5	70.5	70.7	70.8	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3000		76.6	78.0	81.5	82.8	82.8	83.1	83.4	83.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500		81.1	82.6	86.2	87.5	87.5	87.9	88.2	88.4	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2000		81.6	83.4	87.4	88.7	88.7	89.3	89.7	89.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1800		82.0	83.8	88.3	89.3	89.3	90.2	90.5	90.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1500		83.1	85.2	90.3	91.6	91.6	92.5	92.8	93.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200		84.3	86.6	92.8	94.3	94.3	95.2	95.7	95.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1000		84.8	87.0	93.3	94.9	94.9	96.1	96.6	96.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900		84.8	87.0	93.3	94.9	95.1	96.2	96.7	96.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800		84.9	87.2	93.4	95.1	95.2	96.6	97.0	97.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700		84.9	87.2	93.4	95.1	95.2	96.6	97.0	97.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600		84.9	87.2	93.4	95.1	95.2	96.6	97.2	97.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500		84.9	87.2	93.6	95.2	95.4	96.7	97.4	97.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400		84.9	87.2	93.6	95.2	95.4	96.9	97.5	97.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300		84.9	87.2	93.6	95.2	95.4	96.9	97.5	97.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200		84.9	87.2	93.6	95.2	95.4	96.9	97.5	97.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 100		84.9	87.2	93.6	95.2	95.4	96.9	97.5	97.9	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 0		84.9	87.2	93.6	95.2	95.4	96.9	97.5	97.9	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: JUL HOURS(LST): 1500-1700

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		37.5	37.9	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 20000		44.7	45.1	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 18000		45.1	45.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 16000		45.1	45.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 14000		45.1	45.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 12000		45.3	45.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000		48.4	48.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 9000		50.7	51.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 8000		55.7	56.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000		56.5	57.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 6000		56.5	57.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 5000		58.2	59.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 4500		64.4	65.8	67.7	67.7	67.7	67.7	67.7	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4000		70.2	71.8	73.9	73.9	73.9	74.1	74.1	74.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500		75.4	77.0	79.5	79.5	79.5	79.7	79.7	79.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 3000		83.4	85.1	88.2	88.6	88.6	88.8	89.0	89.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2500		85.5	87.2	90.3	90.7	90.7	90.9	91.1	91.1	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000		86.5	88.2	91.7	92.1	92.1	92.5	92.8	92.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1800		86.5	88.2	91.9	92.3	92.3	92.8	93.0	93.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1500		86.7	88.6	92.5	93.2	93.2	93.6	93.8	93.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1200		87.8	90.1	94.3	94.6	94.8	95.4	95.7	95.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000		87.8	90.1	94.3	94.6	94.8	95.4	95.7	95.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 900		87.8	90.1	94.4	95.0	95.2	95.9	96.1	96.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800		87.8	90.1	94.4	95.0	95.2	96.1	96.3	96.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700		87.8	90.1	94.4	95.0	95.2	96.1	96.3	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600		87.8	90.1	94.6	95.2	95.4	96.3	96.5	96.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500		87.8	90.1	94.8	95.4	95.7	96.7	96.9	97.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400		87.8	90.1	94.8	95.4	95.7	96.7	96.9	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		87.8	90.1	94.8	95.4	95.7	96.7	96.9	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		87.8	90.1	94.8	95.4	95.7	96.7	96.9	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		87.8	90.1	94.8	95.4	95.7	96.7	96.9	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0		87.8	90.1	94.8	95.4	95.7	96.7	96.9	97.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 483

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	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	33.7	38.0	41.5	43.7	43.7	44.9	46.9	47.1	49.3	49.6	49.6	49.6	49.6	49.6	49.6	
GE 20000	38.4	42.9	46.6	48.7	48.7	50.2	52.5	52.7	55.3	55.6	55.6	55.6	55.6	55.6	55.6	
GE 18000	38.4	42.9	46.6	48.7	48.7	50.2	52.5	52.7	55.3	55.6	55.6	55.6	55.6	55.6	55.6	
GE 16000	38.4	42.9	46.6	48.7	48.7	50.2	52.5	52.7	55.3	55.6	55.6	55.6	55.6	55.6	55.6	
GE 14000	38.4	42.9	46.6	48.7	48.7	50.2	52.5	52.7	55.3	55.6	55.6	55.6	55.6	55.6	55.6	
GE 12000	38.9	43.7	47.5	49.6	49.6	51.1	53.4	53.6	56.2	56.5	56.7	56.7	56.7	56.7	56.7	
GE 10000	42.4	47.5	51.3	53.6	53.6	55.1	57.4	57.6	60.1	60.5	60.7	60.7	60.7	60.7	60.7	
GE 9000	44.2	49.5	53.4	55.8	55.8	57.2	59.6	59.8	62.3	62.7	62.9	62.9	62.9	62.9	62.9	
GE 8000	47.6	54.5	58.9	61.4	61.4	63.0	65.4	65.6	68.1	68.5	68.7	68.7	68.7	68.7	68.7	
GE 7000	47.8	54.7	59.4	62.0	62.0	63.6	65.9	66.1	68.7	69.0	69.2	69.2	69.2	69.2	69.2	
GE 6000	47.8	54.7	59.4	62.0	62.0	63.6	65.9	66.1	68.7	69.0	69.2	69.2	69.2	69.2	69.2	
GE 5000	48.2	55.1	60.3	62.9	62.9	64.5	66.8	67.2	69.7	70.1	70.3	70.3	70.3	70.3	70.3	
GE 4500	49.1	56.9	62.3	64.9	64.9	66.7	69.0	69.4	72.1	72.5	72.6	72.6	72.6	72.6	72.6	
GE 4000	49.6	57.4	63.0	65.6	65.6	68.3	70.7	71.0	73.7	74.1	74.3	74.3	74.3	74.3	74.3	
GE 3500	51.3	59.4	65.6	68.3	68.3	71.2	73.6	73.9	76.8	77.2	77.4	77.4	77.4	77.4	77.4	
GE 3000	52.9	61.8	68.3	71.0	71.0	74.1	76.8	77.2	80.8	81.2	81.3	81.3	81.3	81.3	81.3	
GE 2500	53.3	62.1	69.4	72.3	72.3	75.4	78.1	78.4	82.1	82.4	82.6	82.6	82.6	82.6	82.6	
GE 2000	53.6	62.5	69.7	72.6	72.6	75.7	78.4	78.8	82.8	83.2	83.3	83.3	83.3	83.3	83.3	
GE 1800	53.6	62.5	69.7	72.6	72.6	75.7	78.4	78.8	82.8	83.2	83.3	83.3	83.3	83.3	83.3	
GE 1500	53.8	62.7	70.1	73.0	73.0	76.6	79.3	79.7	84.2	84.8	85.0	85.0	85.1	85.1	85.3	
GE 1200	53.8	62.9	70.3	73.2	73.2	76.8	79.7	80.3	84.8	85.3	85.5	85.5	85.7	85.7	85.9	
GE 1000	54.0	63.2	70.7	73.6	73.6	77.5	80.4	81.0	85.5	86.1	86.2	86.2	86.6	86.6	86.8	
GE 900	54.0	63.4	70.8	73.7	73.7	78.3	81.3	81.9	86.4	87.0	87.1	87.1	87.5	87.5	87.7	
GE 800	54.0	63.4	71.4	74.5	74.5	79.3	82.4	83.0	88.6	89.1	89.3	89.3	89.7	89.7	89.9	
GE 700	54.0	63.4	71.4	74.5	74.5	79.3	82.4	83.0	88.6	89.1	89.3	89.3	89.7	89.7	89.9	
GE 600	54.0	63.4	71.4	74.5	74.5	79.3	82.4	83.2	88.8	89.3	89.5	89.5	89.9	89.9	90.0	
GE 500	54.2	63.8	71.7	74.8	74.8	79.9	83.0	83.7	89.7	90.2	90.4	90.4	90.8	90.8	90.9	
GE 400	54.2	63.8	71.7	74.8	74.8	80.1	83.2	83.9	91.3	91.8	92.0	92.4	92.8	92.8	92.9	
GE 300	54.2	63.8	71.7	74.8	74.8	80.3	83.3	84.1	92.8	93.8	94.6	95.1	95.8	96.0	96.6	
GE 200	54.2	63.8	71.7	74.8	74.8	80.3	83.3	84.1	93.1	94.4	95.3	96.0	97.1	97.3	98.0	
GE 100	54.2	63.8	71.7	74.8	74.8	80.3	83.3	84.1	93.1	94.4	95.7	96.4	97.5	97.6	99.6	
GE 0	54.2	63.8	71.7	74.8	74.8	80.3	83.3	84.1	93.1	94.4	95.7	96.4	97.5	97.6	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: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 0900-1100

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	37.7	39.8	41.8	43.0	43.0	43.9	44.8	44.8	45.3	45.3	45.3	45.3	45.3	45.3	45.3	
GE 20000	42.3	44.7	47.7	48.9	48.9	49.8	50.9	50.9	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 18000	42.3	44.7	47.7	48.9	48.9	49.8	50.9	50.9	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 16000	42.3	44.7	47.7	48.9	48.9	49.8	50.9	50.9	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
GE 14000	42.4	44.8	47.9	49.1	49.1	50.0	51.1	51.1	51.7	51.7	51.7	51.7	51.7	51.7	51.7	
GE 12000	43.2	45.8	48.9	50.2	50.2	51.1	52.1	52.1	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
GE 10000	46.2	49.4	52.6	53.8	53.8	54.7	55.8	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5	
GE 9000	47.1	50.3	53.6	54.8	54.8	55.8	56.8	56.8	57.6	57.6	57.6	57.6	57.6	57.6	57.6	
GE 8000	50.6	54.5	58.2	59.5	59.5	60.5	61.8	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.6	
GE 7000	50.9	54.8	58.5	59.8	59.8	60.8	62.1	62.1	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 6000	51.2	55.2	58.8	60.2	60.2	61.1	62.4	62.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
GE 5000	52.0	56.1	59.7	61.1	61.1	62.0	63.3	63.3	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
GE 4500	53.8	57.9	61.5	63.0	63.0	63.9	65.3	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	
GE 4000	55.8	60.0	63.8	65.3	65.3	66.4	67.7	67.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	
GE 3500	57.9	62.3	66.1	67.6	67.6	68.9	70.3	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	
GE 3000	62.4	67.0	71.7	73.3	73.3	74.8	76.5	76.5	77.7	77.9	77.9	77.9	77.9	77.9	77.9	
GE 2500	64.5	69.1	74.8	77.0	77.0	78.5	80.2	80.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	
GE 2000	66.7	71.5	77.4	79.8	79.8	81.4	83.0	83.2	84.8	85.0	85.0	85.0	85.0	85.0	85.3	
GE 1800	66.8	71.7	77.9	80.3	80.3	81.8	83.5	83.6	85.5	85.6	85.6	85.6	85.6	85.6	85.9	
GE 1500	66.8	71.7	78.6	81.1	81.1	82.7	84.5	84.7	86.5	86.7	86.7	86.7	86.7	86.7	87.0	
GE 1200	67.6	72.7	79.7	82.1	82.1	83.9	85.8	85.9	88.0	88.2	88.2	88.2	88.2	88.2	88.5	
GE 1000	68.0	73.3	81.1	83.5	83.5	85.3	87.3	87.4	89.5	89.7	89.7	89.8	89.8	89.8	90.2	
GE 900	68.3	73.6	81.4	83.9	83.9	85.9	88.0	88.3	90.6	90.8	90.8	90.9	90.9	90.9	91.2	
GE 800	68.5	73.8	82.3	85.0	85.0	87.4	89.8	90.2	92.9	93.2	93.2	93.3	93.3	93.3	93.6	
GE 700	68.5	73.8	82.1	85.2	85.2	87.7	90.3	90.6	93.5	93.8	93.8	93.9	93.9	93.9	94.2	
GE 600	68.5	73.8	82.1	85.2	85.3	87.9	90.5	91.1	94.2	94.5	94.5	94.7	94.7	94.7	95.0	
GE 500	68.8	74.1	82.6	85.6	85.8	88.6	91.4	92.0	95.2	95.5	95.5	95.6	95.6	95.6	95.9	
GE 400	68.8	74.1	82.6	85.6	85.8	88.6	91.5	92.1	95.9	96.8	96.8	97.3	97.3	97.3	97.6	
GE 300	68.8	74.1	82.6	85.6	85.8	88.6	91.5	92.1	96.8	97.7	97.9	98.6	98.9	99.1	99.4	
GE 200	68.8	74.1	82.6	85.6	85.8	88.6	91.5	92.1	96.8	97.7	97.9	98.6	99.1	99.2	99.5	
GE 100	68.8	74.1	82.6	85.6	85.8	88.6	91.5	92.1	96.8	97.7	97.9	98.6	99.2	99.4	100.0	
GE 0	68.8	74.1	82.6	85.6	85.8	88.6	91.5	92.1	96.8	97.7	97.9	98.6	99.2	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 660

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
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	35.2	36.3	37.5	37.7	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	
GE 20000	41.0	42.4	43.6	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	
GE 18000	41.2	42.5	43.8	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	
GE 16000	41.2	42.5	43.8	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	
GE 14000	41.2	42.5	43.8	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	
GE 12000	42.2	43.6	44.8	45.0	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	
GE 10000	45.3	46.8	48.0	48.2	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	
GE 9000	47.0	48.5	49.8	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	
GE 8000	49.5	51.5	52.9	53.2	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	
GE 7000	50.0	52.0	53.4	53.8	53.8	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GE 6000	51.1	53.5	54.9	55.3	55.3	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	
GE 5000	53.0	55.5	57.2	57.8	57.8	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	
GE 4500	58.1	60.5	62.2	62.8	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 4000	62.5	65.2	66.9	67.5	67.5	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 3500	65.5	68.3	70.3	70.9	70.9	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	
GE 3000	75.3	78.8	82.3	83.1	83.1	84.1	84.3	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 2500	77.4	81.7	86.0	87.0	87.0	88.7	89.0	89.0	89.8	89.8	89.8	89.8	89.8	89.8	89.8	
GE 2000	78.4	82.6	87.5	88.9	88.9	90.5	91.2	91.2	92.1	92.1	92.1	92.1	92.1	92.1	92.1	
GE 1800	78.5	82.8	88.3	89.3	89.5	91.2	91.8	91.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
GE 1500	80.0	84.3	89.9	91.3	91.6	93.6	94.2	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	
GE 1200	80.2	84.5	90.4	91.8	92.1	94.2	95.0	95.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
GE 1000	80.8	85.2	91.6	93.0	93.3	95.4	96.2	96.2	97.4	97.6	97.6	97.7	97.7	97.7	97.7	
GE 900	80.8	85.2	91.6	93.3	93.6	95.7	96.5	96.6	97.9	98.0	98.0	98.2	98.2	98.2	98.2	
GE 800	81.1	85.5	92.1	93.8	94.1	96.3	97.1	97.3	98.5	98.6	98.6	98.8	98.8	98.8	98.8	
GE 700	81.1	85.5	92.1	93.8	94.1	96.3	97.1	97.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	
GE 600	81.1	85.5	92.1	93.8	94.1	96.3	97.1	97.3	98.8	98.9	98.9	99.1	99.1	99.1	99.1	
GE 500	81.1	85.5	92.2	93.9	94.2	96.5	97.3	97.4	98.9	99.1	99.1	99.2	99.2	99.2	99.2	
GE 400	81.1	85.5	92.2	93.9	94.2	96.5	97.3	97.4	98.9	99.1	99.1	99.2	99.2	99.2	99.2	
GE 300	81.1	85.5	92.2	93.9	94.2	96.5	97.3	97.4	98.9	99.4	99.4	99.5	99.5	99.5	99.5	
GE 200	81.1	85.5	92.2	93.9	94.2	96.5	97.3	97.4	98.9	99.5	99.8	100.0	100.0	100.0	100.0	
GE 100	81.1	85.5	92.2	93.9	94.2	96.5	97.3	97.4	98.9	99.5	99.8	100.0	100.0	100.0	100.0	
GE 0	81.1	85.5	92.2	93.9	94.2	96.5	97.3	97.4	98.9	99.5	99.8	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 656

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: AUG HOURS(LST): 1500-1700

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	41.1	42.1	43.2	43.2	43.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	
GE 20000	47.2	48.2	49.3	49.5	49.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	
GE 18000	47.6	48.6	49.7	49.9	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	
GE 16000	47.6	48.6	49.7	49.9	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	
GE 14000	47.6	48.6	49.7	49.9	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	
GE 12000	48.2	49.1	50.3	50.5	50.9	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	
GE 10000	51.6	53.2	54.5	54.7	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	
GE 9000	53.9	55.4	57.4	57.6	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
GE 8000	56.8	59.1	61.0	61.2	61.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	
GE 7000	57.0	59.5	61.4	61.6	62.0	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
GE 6000	57.7	60.2	62.1	62.3	62.7	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
GE 5000	59.7	62.1	64.2	64.4	64.8	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
GE 4500	66.0	68.5	70.9	71.1	71.5	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
GE 4000	72.8	75.5	78.4	78.8	79.2	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
GE 3500	75.9	79.0	81.8	82.2	82.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE 3000	84.9	88.3	91.2	92.0	92.4	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
GE 2500	85.7	89.3	92.4	93.1	93.5	94.5	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
GE 2000	85.7	89.3	92.7	93.5	93.9	94.8	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
GE 1800	85.7	89.3	92.7	93.5	93.9	95.0	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
GE 1500	86.2	89.9	93.7	94.5	94.8	96.0	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE 1200	86.8	90.4	94.5	95.4	95.8	96.9	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 1000	87.0	90.6	94.6	95.6	96.0	97.1	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 900	87.0	90.6	94.6	95.6	96.0	97.1	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
GE 800	87.0	90.6	94.6	95.6	96.0	97.1	97.7	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
GE 700	87.2	90.8	94.8	95.8	96.2	97.3	97.9	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
GE 600	87.2	90.8	94.8	95.8	96.2	97.3	97.9	97.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 500	87.2	90.8	94.8	95.8	96.2	97.7	98.3	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
GE 400	87.2	90.8	94.8	95.8	96.2	97.7	98.3	98.3	99.2	99.4	99.4	99.4	99.4	99.4	99.4	
GE 300	87.2	90.8	94.8	95.8	96.2	97.7	98.3	98.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	
GE 200	87.2	90.8	94.8	95.8	96.2	97.7	98.3	98.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	
GE 100	87.2	90.8	94.8	95.8	96.2	97.7	98.3	98.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	
GE 0	87.2	90.8	94.8	95.8	96.2	97.7	98.3	98.3	99.4	99.6	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 523

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: SEP 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	23.3	26.9	29.6	31.2	32.4	33.6	35.4	36.6	39.1	39.5	39.5	39.5	39.7	39.7	39.9
GE 20000	24.9	28.9	32.0	33.6	34.8	36.2	38.1	39.3	42.1	42.5	42.5	42.5	42.7	42.7	42.9
GE 18000	24.9	28.9	32.0	33.6	34.8	36.2	38.1	39.3	42.1	42.5	42.5	42.5	42.7	42.7	42.9
GE 16000	24.9	28.9	32.0	33.6	34.8	36.2	38.1	39.3	42.1	42.5	42.5	42.5	42.7	42.7	42.9
GE 14000	24.9	28.9	32.0	33.6	34.8	36.2	38.1	39.3	42.1	42.5	42.5	42.5	42.7	42.7	42.9
GE 12000	25.7	30.0	33.0	34.6	35.8	37.2	39.3	40.5	43.3	43.7	43.7	43.7	43.9	43.9	44.1
GE 10000	26.3	31.2	34.2	35.8	37.0	39.1	41.1	42.3	45.3	45.7	45.7	45.7	46.4	46.4	46.6
GE 9000	27.1	32.0	35.0	36.6	37.9	39.9	41.9	43.1	46.4	46.8	46.8	46.8	47.4	47.4	47.6
GE 8000	29.4	34.4	38.5	40.1	41.3	43.3	45.3	46.6	49.8	50.4	50.4	50.4	51.0	51.0	51.2
GE 7000	30.2	35.6	39.7	41.5	42.7	44.7	46.8	48.6	51.8	52.8	52.8	52.8	53.4	53.4	53.6
GE 6000	30.2	35.6	39.7	41.5	42.7	44.7	46.8	48.6	51.8	52.8	52.8	52.8	53.4	53.4	53.6
GE 5000	30.2	35.8	39.9	41.7	42.9	44.9	47.0	48.8	52.0	53.2	53.2	53.2	53.8	53.8	54.0
GE 4500	33.2	38.9	42.9	44.9	46.2	48.6	50.6	52.4	55.9	57.1	57.1	57.1	57.7	57.7	57.9
GE 4000	35.0	41.1	45.1	47.6	48.8	52.4	54.5	56.5	60.3	61.5	61.5	61.5	62.1	62.1	62.3
GE 3500	36.4	43.1	47.6	50.4	51.6	55.7	57.7	59.7	63.6	65.0	65.0	65.0	65.6	65.6	65.8
GE 3000	38.7	45.5	50.0	53.2	54.5	58.5	60.5	62.6	66.6	68.4	68.4	68.4	69.2	69.2	69.8
GE 2500	38.9	45.7	50.4	53.6	54.9	59.1	61.1	63.2	67.4	69.2	69.2	69.2	70.0	70.0	70.6
GE 2000	39.9	47.2	51.8	55.5	56.7	61.1	63.2	65.2	69.4	71.7	71.7	71.7	72.5	72.5	73.1
GE 1800	39.9	47.2	51.8	55.5	56.7	61.1	63.2	65.2	69.4	71.7	71.7	71.7	72.5	72.5	73.1
GE 1500	40.3	47.8	52.4	56.3	57.5	62.3	64.6	66.6	71.7	74.5	74.5	74.5	75.5	75.5	76.1
GE 1200	40.9	48.6	53.2	57.1	58.3	63.2	65.8	67.8	72.9	75.7	75.7	75.7	76.7	76.7	77.3
GE 1000	41.1	48.8	53.5	57.5	58.7	63.6	66.2	68.2	73.5	76.3	76.3	76.3	77.3	77.3	77.9
GE 900	41.3	49.0	53.8	57.7	58.9	64.0	66.6	68.6	73.9	76.7	76.7	76.7	77.7	77.7	78.3
GE 800	41.5	49.2	54.3	58.1	59.3	64.4	67.2	69.2	74.5	77.3	77.3	77.3	78.3	78.3	78.9
GE 700	41.9	49.8	55.1	59.1	60.3	65.8	69.0	71.1	76.7	79.6	79.6	79.6	80.6	80.6	81.2
GE 600	42.3	50.4	55.9	60.1	61.3	67.0	70.2	72.5	78.7	82.2	82.2	82.4	83.4	83.4	84.0
GE 500	42.7	51.0	56.7	60.9	62.1	68.2	71.7	74.5	81.0	84.4	84.4	84.8	85.8	85.8	86.4
GE 400	42.7	51.0	56.7	61.1	62.8	68.8	73.1	75.9	83.0	86.8	86.8	87.7	88.9	88.9	89.5
GE 300	42.7	51.0	56.7	61.1	62.8	68.8	73.3	76.1	83.8	88.5	88.9	89.9	91.7	91.7	93.5
GE 200	42.7	51.0	56.7	61.1	62.8	68.8	73.3	76.1	84.4	89.1	89.5	91.3	93.5	93.7	96.4
GE 100	42.7	51.0	56.7	61.1	62.8	68.8	73.3	76.1	84.4	89.1	89.5	91.5	94.5	94.7	99.4
GE 0	42.7	51.0	56.7	61.1	62.8	68.8	73.3	76.1	84.4	89.1	89.5	91.5	94.5	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 494

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 0900-1100

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		28.4	31.0	36.1	38.1	38.1	39.7	40.7	40.8	41.8	41.8	41.8	42.0	42.2	42.2	42.3
GE 20000		31.9	34.6	41.3	43.0	43.0	44.6	45.8	45.9	47.1	47.2	47.2	47.4	47.5	47.5	47.7
GE 18000		32.0	34.8	41.2	43.1	43.1	44.8	45.9	46.1	47.2	47.4	47.4	47.5	47.7	47.7	47.9
GE 16000		32.0	34.8	41.2	43.1	43.1	44.8	45.9	46.1	47.2	47.4	47.4	47.5	47.7	47.7	47.9
GE 14000		32.0	34.8	41.2	43.3	43.3	44.9	46.1	46.2	47.4	47.5	47.5	47.7	47.9	47.9	48.0
GE 12000		32.2	35.0	41.3	43.5	43.5	45.1	46.2	46.4	47.5	47.7	47.7	47.9	48.0	48.0	48.2
GE 10000		32.7	35.6	42.5	44.9	44.9	46.7	47.9	48.0	49.3	49.5	49.5	49.7	49.8	49.8	50.0
GE 9000		32.7	35.6	42.6	44.9	44.9	46.7	47.9	48.0	49.3	49.5	49.5	49.7	49.8	49.8	50.0
GE 8000		35.0	38.2	45.4	47.7	47.7	49.5	50.8	51.0	52.5	52.6	52.6	52.8	52.9	52.9	53.1
GE 7000		35.8	39.2	46.4	48.7	48.7	50.5	51.8	52.0	53.4	53.6	53.6	53.8	53.9	53.9	54.1
GE 6000		35.9	39.4	46.6	48.9	48.9	50.7	52.0	52.1	53.6	53.8	53.8	53.9	54.1	54.1	54.2
GE 5000		36.3	39.7	46.9	49.2	49.2	51.0	52.3	52.5	53.9	54.1	54.1	54.2	54.4	54.4	54.6
GE 4500		38.4	41.8	49.2	51.6	51.6	53.9	55.2	55.6	57.2	57.4	57.4	57.5	57.7	57.7	57.8
GE 4000		41.5	45.6	53.3	56.0	56.0	58.5	59.8	60.1	62.1	62.3	62.3	62.4	62.6	62.6	62.7
GE 3500		44.0	48.4	56.4	59.6	59.6	62.3	63.7	64.1	66.2	66.3	66.3	66.5	66.7	66.7	66.8
GE 3000		47.1	52.0	60.3	63.9	63.9	67.0	68.6	69.0	71.7	72.1	72.2	72.4	72.5	72.7	73.0
GE 2500		47.1	52.1	60.5	64.5	64.5	67.8	69.4	69.8	72.5	73.0	73.2	73.4	73.5	73.7	74.0
GE 2000		49.7	54.7	63.2	67.3	67.5	70.9	72.7	73.0	76.3	76.8	77.0	77.1	77.3	77.5	77.8
GE 1800		50.0	55.1	63.6	67.8	68.0	71.4	73.2	73.5	76.8	77.3	77.5	77.6	77.8	77.9	78.3
GE 1500		51.1	56.2	64.9	69.3	69.4	72.9	74.7	75.0	79.4	79.9	80.1	80.2	80.6	80.7	81.0
GE 1200		52.5	57.5	66.5	70.9	71.1	74.5	76.5	77.0	81.4	81.9	82.0	82.2	82.5	82.7	83.0
GE 1000		52.9	58.7	67.3	72.7	73.0	76.6	78.6	79.1	83.5	84.0	84.2	84.5	84.8	85.0	85.3
GE 900		53.4	59.2	68.5	73.4	73.7	77.3	79.2	79.7	84.2	84.6	84.8	85.1	85.5	85.6	85.9
GE 800		53.8	59.6	69.1	74.2	74.5	78.3	80.4	81.2	85.8	86.3	86.4	86.8	87.1	87.3	87.6
GE 700		53.9	60.0	69.8	75.0	75.3	79.1	81.2	82.4	87.1	87.6	87.7	88.1	88.4	88.6	88.9
GE 600		54.1	60.1	70.1	75.3	75.7	79.7	82.8	84.0	89.5	90.4	90.5	91.0	91.3	91.5	91.8
GE 500		54.1	60.1	70.3	75.5	75.8	79.9	83.3	84.8	91.2	92.3	92.6	93.1	93.6	93.8	94.3
GE 400		54.1	60.1	70.3	75.5	75.8	79.9	83.3	85.1	92.8	94.1	94.4	94.9	95.9	96.1	96.6
GE 300		54.1	60.1	70.3	75.5	75.8	79.9	83.3	85.1	93.3	94.6	94.9	95.9	97.4	97.5	98.4
GE 200		54.1	60.1	70.3	75.5	75.8	79.9	83.3	85.1	93.5	94.9	95.3	96.2	98.0	98.4	99.5
GE 100		54.1	60.1	70.3	75.5	75.8	79.9	83.3	85.1	93.5	94.9	95.3	96.4	98.2	98.5	99.8
GE 0		54.1	60.1	70.3	75.5	75.8	79.9	83.3	85.1	93.5	94.9	95.3	96.4	98.2	98.5	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: 106145 STATION NAME: PIRMASENS AHP DE

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	ST 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		31.7	34.3	37.6	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 20000		36.3	39.3	42.7	43.7	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000		37.3	40.3	43.7	44.7	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 16000		37.3	40.3	43.7	44.7	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 14000		37.3	40.3	43.7	44.7	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 12000		38.3	41.3	44.7	45.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 10000		39.4	42.4	45.9	46.9	46.9	47.2	47.4	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 9000		40.6	43.6	47.2	48.3	48.3	48.7	49.0	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000		43.2	46.4	50.2	51.5	51.5	52.0	52.3	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 7000		44.2	47.4	51.2	52.5	52.5	53.1	53.5	53.5	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 6000		44.6	47.7	51.5	52.8	52.8	53.5	53.8	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 5000		45.2	48.3	52.1	53.5	53.5	54.1	54.5	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 4500		46.7	50.2	54.3	55.3	55.3	55.9	56.3	56.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 4000		50.7	54.6	58.4	59.7	59.7	60.4	60.7	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 3500		56.6	61.2	66.3	67.3	67.3	68.2	68.6	68.6	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3000		65.0	69.6	74.8	76.1	76.2	77.6	78.5	78.5	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 2500		67.7	73.1	78.2	79.5	79.7	81.0	82.3	82.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2000		70.3	75.7	81.2	82.5	82.7	84.0	85.5	85.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1800		70.6	76.1	81.5	83.0	83.2	84.5	86.1	86.1	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1500		72.3	78.1	83.7	85.1	85.3	86.6	88.8	89.1	90.1	90.1	90.1	90.1	90.3	90.3	90.3
GE 1200		72.9	78.7	84.7	86.1	86.6	88.1	90.4	90.8	91.7	91.7	91.7	91.7	91.9	91.9	91.9
GE 1000		72.9	78.7	84.8	86.3	86.8	88.4	90.8	91.1	92.6	92.7	92.7	92.7	92.9	92.9	92.9
GE 900		73.3	79.0	85.3	86.8	87.3	88.9	91.6	92.2	94.1	94.2	94.2	94.2	94.4	94.4	94.4
GE 800		74.1	79.9	86.1	87.6	88.1	90.1	93.1	93.9	95.9	96.0	96.0	96.0	96.2	96.2	96.2
GE 700		74.4	80.2	86.6	88.4	88.9	90.9	94.1	95.2	97.2	97.4	97.4	97.4	97.5	97.5	97.5
GE 600		74.4	80.2	86.6	88.8	89.3	91.4	94.6	95.7	98.5	98.8	98.8	98.8	99.0	99.0	99.0
GE 500		74.4	80.2	86.8	88.9	89.4	91.6	94.7	96.0	99.0	99.5	99.5	99.5	99.7	99.7	99.7
GE 400		74.4	80.2	86.8	88.9	89.4	91.6	94.7	96.0	99.0	99.5	99.5	99.5	99.7	99.7	99.7
GE 300		74.4	80.2	86.8	88.9	89.4	91.6	94.7	96.0	99.2	99.7	99.7	99.7	100.0	100.0	100.0
GE 200		74.4	80.2	86.8	88.9	89.4	91.6	94.7	96.0	99.2	99.7	99.7	99.7	100.0	100.0	100.0
GE 100		74.4	80.2	86.8	88.9	89.4	91.6	94.7	96.0	99.2	99.7	99.7	99.7	100.0	100.0	100.0
GE 0		74.4	80.2	86.8	88.9	89.4	91.6	94.7	96.0	99.2	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 606

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PSYCHROMETRIC SUMMARIES

PART 4

In this section are presented various summaries of dry and wet-bulb temperatures, dewpoints, and relative humidity. The order and manner of repsentations follows:

1. Cumulative percentage frequency of occurrence--Derived from available hourly observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths, of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

4

a. Daily HIGH temperatures (for available observations)
b. Daily LOW temperatures (for available observations)
c. Daily mean temperatures (high + low temperatures divided by two)

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

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations which contain both dry-bulb and wet-bulb temperatures; and dry-bulb, wet-bulb, and dewpoint temperatures separately. Total observations for these four items are also provided in two lines at the end of each table.

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

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dewpoint temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dewpoint temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

Continued on Reverse

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DE

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS														
	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	16.8	18.5	19.3	19.5	19.9	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
GE 20000	17.9	20.1	22.3	22.5	22.9	23.7	23.9	23.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 18000	18.5	20.7	22.9	23.1	23.5	24.3	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 16000	18.5	20.7	22.9	23.1	23.5	24.3	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 14000	18.5	20.7	22.9	23.1	23.5	24.3	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7
GE 12000	19.1	21.3	23.5	23.7	24.1	24.9	25.0	25.0	25.6	25.8	25.8	25.8	25.8	25.8	25.8
GE 10000	20.3	22.5	24.7	24.9	25.2	26.0	26.2	26.2	26.8	27.0	27.0	27.0	27.0	27.0	27.0
GE 9000	21.9	24.1	26.2	26.4	26.8	27.6	27.8	27.8	28.4	28.6	28.6	28.6	28.6	28.6	28.6
GE 8000	23.9	26.0	28.4	28.6	29.0	29.8	30.0	30.0	30.8	31.0	31.0	31.0	31.0	31.0	31.0
GE 7000	23.9	26.0	28.4	28.6	29.0	29.8	30.0	30.0	30.8	31.0	31.0	31.0	31.0	31.0	31.0
GE 6000	23.9	26.0	28.4	28.6	29.0	29.8	30.0	30.0	30.8	31.0	31.0	31.0	31.0	31.0	31.0
GE 5000	24.3	26.4	28.8	29.0	29.4	30.2	30.4	30.6	31.4	31.6	31.6	31.6	31.6	31.6	31.6
GE 4500	24.3	26.4	28.8	29.0	29.4	30.4	30.8	31.2	32.0	32.1	32.1	32.1	32.1	32.1	32.1
GE 4000	25.4	27.8	30.8	31.2	31.6	32.5	32.9	33.3	34.7	34.9	34.9	34.9	34.9	34.9	34.9
GE 3500	28.8	31.2	34.9	35.3	35.9	36.9	37.7	38.1	39.6	39.8	39.8	39.8	39.8	39.8	39.8
GE 3000	33.1	35.7	39.6	40.0	41.0	42.6	43.4	44.0	45.6	45.8	45.8	45.8	45.8	45.8	45.8
GE 2500	34.7	37.3	41.6	42.0	43.2	44.8	45.6	46.2	47.7	48.1	48.1	48.1	48.1	48.1	48.1
GE 2000	38.1	40.8	45.6	46.0	47.1	48.9	49.7	50.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3
GE 1800	38.5	41.6	46.4	46.7	47.9	50.1	50.9	51.5	53.1	53.5	53.5	53.5	53.5	53.5	53.5
GE 1500	40.8	44.0	48.9	49.3	50.5	53.3	54.6	55.2	56.8	57.2	57.2	57.2	57.2	57.2	57.2
GE 1200	42.4	46.5	52.9	53.3	54.8	57.4	58.8	59.4	60.9	61.3	61.3	61.3	61.3	61.3	61.3
GE 1000	44.4	49.5	56.9	57.4	58.6	61.7	63.1	63.7	65.9	66.5	66.5	66.5	66.5	66.5	66.5
GE 900	45.6	51.1	58.8	59.4	60.6	63.9	65.3	66.1	68.4	69.0	69.0	69.0	69.0	69.0	69.0
GE 800	46.0	51.9	59.6	60.2	61.5	64.7	66.5	67.5	69.8	70.4	70.4	70.4	70.4	70.4	70.4
GE 700	46.4	52.3	60.4	60.9	62.1	66.1	68.0	69.8	73.0	73.8	73.8	73.8	73.8	73.8	74.0
GE 600	46.9	53.5	62.1	63.1	64.3	68.4	70.8	72.6	76.7	77.5	77.5	77.5	77.5	77.5	77.7
GE 500	46.9	53.5	62.5	63.5	64.7	69.4	72.2	74.0	79.7	80.9	81.1	81.3	81.3	81.3	81.5
GE 400	46.9	53.5	62.5	63.7	64.9	70.0	73.2	75.3	81.7	83.2	83.4	83.8	83.8	83.8	84.0
GE 300	46.9	53.5	62.7	63.9	65.1	70.8	74.2	76.7	83.6	85.4	85.6	88.0	88.6	88.6	89.0
GE 200	46.9	53.5	62.7	63.9	65.1	70.8	74.2	76.9	85.2	87.4	87.8	90.7	92.5	92.7	95.3
GE 100	46.9	53.5	62.7	63.9	65.1	70.8	74.2	76.9	85.2	87.4	87.8	90.7	92.9	93.5	99.6
GE 0	46.9	53.5	62.7	63.9	65.1	70.8	74.2	76.9	85.2	87.4	87.8	90.7	92.9	93.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 507

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AMP DL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 1200-1400

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	17.9	20.3	20.5	20.5	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	
GE 20000	20.7	21.2	23.6	24.3	24.5	25.7	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.2	
GE 18000	21.2	21.7	24.1	24.8	25.0	26.2	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	
GE 16000	21.2	21.7	24.1	24.8	25.0	26.2	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	
GE 14000	21.2	21.7	24.1	24.8	25.0	26.2	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.7	
GE 12000	21.9	22.4	24.8	25.5	25.7	26.9	27.1	27.2	27.2	27.4	27.4	27.4	27.4	27.4	27.6	
GE 10000	22.8	23.3	25.7	26.4	26.6	27.9	28.1	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.6	
GE 9000	23.1	23.6	26.0	26.7	26.9	28.3	28.4	28.8	29.0	29.1	29.1	29.1	29.1	29.1	29.3	
GE 8000	25.9	26.4	29.1	29.8	30.0	31.4	31.6	32.1	32.4	32.6	32.6	32.6	32.6	32.6	32.8	
GE 7000	26.6	27.2	30.0	30.7	30.9	32.2	32.4	32.9	33.3	33.4	33.4	33.4	33.4	33.4	33.6	
GE 6000	26.6	27.2	30.0	30.7	30.9	32.2	32.4	32.9	33.3	33.4	33.4	33.4	33.4	33.4	33.6	
GE 5000	27.1	27.8	30.5	31.2	31.4	32.8	33.1	33.6	34.0	34.1	34.1	34.1	34.1	34.1	34.3	
GE 4500	27.6	28.3	31.0	31.7	31.9	34.1	34.7	35.2	35.9	36.0	36.0	36.0	36.0	36.0	36.2	
GE 4000	28.4	29.3	32.8	33.4	33.6	36.4	36.9	37.4	38.3	38.4	38.4	38.4	38.4	38.4	38.6	
GE 3500	30.0	30.9	35.0	35.7	36.0	39.0	39.5	40.0	40.9	41.0	41.0	41.4	41.4	41.4	41.6	
GE 3000	32.2	33.4	37.9	38.6	39.0	41.9	42.6	43.3	44.3	44.5	44.5	45.0	45.0	45.0	45.2	
GE 2500	34.1	35.3	40.0	40.7	41.0	44.1	44.8	45.5	46.6	46.7	46.7	47.2	47.2	47.2	47.4	
GE 2000	37.2	38.6	44.0	44.8	45.2	48.3	49.0	49.7	50.7	50.9	50.9	51.6	51.6	51.6	51.7	
GE 1800	37.9	39.3	44.7	45.5	45.9	49.0	49.7	50.3	51.4	51.6	51.6	52.2	52.2	52.2	52.4	
GE 1500	41.6	43.1	48.4	49.3	49.7	52.9	54.0	54.7	56.2	56.4	56.4	57.1	57.1	57.1	57.2	
GE 1200	43.3	45.2	51.9	52.8	53.3	56.6	57.8	58.4	60.2	60.3	60.3	61.0	61.0	61.0	61.2	
GE 1000	45.3	47.2	54.7	55.5	56.0	59.3	60.5	61.2	63.4	64.1	64.1	64.8	64.8	64.8	65.0	
GE 900	46.2	48.3	56.2	57.2	57.8	61.2	62.4	63.3	66.0	66.7	66.7	67.4	67.4	67.4	67.6	
GE 800	47.1	49.5	57.6	58.6	59.1	62.6	64.0	65.3	68.3	69.0	69.0	69.7	69.7	69.7	69.8	
GE 700	47.4	50.0	58.1	59.1	59.8	63.3	64.7	66.2	69.7	70.3	70.5	71.2	71.2	71.2	71.9	
GE 600	48.4	51.2	59.3	60.3	61.0	65.0	66.4	68.1	72.9	73.8	74.1	75.0	75.0	75.0	75.7	
GE 500	48.6	51.6	59.7	60.9	61.6	65.9	67.2	69.0	74.7	75.5	75.9	76.7	77.1	77.1	77.8	
GE 400	48.8	51.7	60.3	61.7	62.4	67.6	69.5	71.4	78.4	80.0	80.5	81.4	82.8	82.8	83.6	
GE 300	49.0	51.9	60.7	62.1	62.8	68.1	70.2	72.4	80.2	83.3	84.7	86.0	88.8	88.8	90.0	
GE 200	49.0	51.9	60.7	62.2	62.9	68.3	70.3	72.6	81.7	85.3	87.6	89.5	93.4	93.6	96.6	
GE 100	49.0	51.9	60.7	62.2	62.9	68.3	70.3	72.6	81.7	85.5	87.9	90.0	94.5	95.0	100.0	
GE 0	49.0	51.9	60.7	62.2	62.9	68.3	70.3	72.6	81.7	85.5	87.9	90.0	94.5	95.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 580

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: DEC HOURS(LST): 0900-1100

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		15.4	16.2	17.4	18.5	18.7	19.0	19.0	19.3	19.3	19.3	19.5	19.5	19.5	19.5	20.2
GE 20000		17.4	18.2	19.3	20.5	20.7	21.3	21.3	21.7	21.7	21.7	21.8	21.8	21.8	21.8	22.5
GE 18000		17.7	18.5	19.7	20.8	21.0	21.7	21.7	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.8
GE 16000		17.7	18.5	19.7	20.8	21.0	21.7	21.7	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.8
GE 14000		17.7	18.5	19.7	20.8	21.0	21.7	21.7	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.8
GE 12000		17.9	18.7	19.8	21.0	21.2	21.8	21.8	22.1	22.1	22.1	22.3	22.3	22.3	22.3	23.0
GE 10000		17.9	18.7	19.8	21.0	21.2	21.8	21.8	22.1	22.1	22.1	22.3	22.3	22.3	22.3	23.0
GE 9000		18.0	18.8	20.0	21.2	21.3	22.0	22.0	22.5	22.5	22.5	22.6	22.6	22.6	22.6	23.3
GE 8000		20.8	21.7	23.5	24.6	24.8	25.8	26.0	26.4	26.4	26.4	26.6	26.6	26.6	26.6	27.3
GE 7000		21.0	21.8	23.6	24.8	25.0	26.0	26.1	26.6	26.6	26.6	26.8	26.8	26.8	26.8	27.4
GE 6000		21.0	21.8	23.8	25.0	25.1	26.1	26.3	26.8	26.8	26.8	26.9	26.9	26.9	26.9	27.6
GE 5000		21.7	22.5	24.5	25.6	25.8	26.8	26.9	27.4	27.4	27.4	27.6	27.6	27.6	27.6	28.3
GE 4500		23.3	24.1	26.1	27.4	27.8	28.9	29.3	29.8	30.2	30.2	30.4	30.4	30.4	30.4	31.1
GE 4000		24.1	25.1	27.1	28.6	28.9	30.9	31.2	31.7	32.4	32.4	32.6	32.6	32.6	32.6	33.2
GE 3500		26.3	27.4	30.2	31.9	32.2	34.7	35.2	35.7	36.5	36.5	36.7	36.7	36.7	36.7	37.4
GE 3000		29.9	31.1	35.3	36.7	37.0	39.7	40.2	40.7	42.6	42.6	42.8	42.8	42.8	42.8	43.5
GE 2500		32.1	33.6	37.5	39.2	39.5	42.3	42.8	43.6	45.6	45.6	45.8	45.8	45.8	45.8	46.4
GE 2000		35.0	36.5	40.7	42.3	42.6	45.5	46.1	46.9	49.6	49.6	49.8	49.8	49.8	49.8	50.4
GE 1800		35.2	37.0	41.2	42.8	43.1	46.0	46.6	47.4	50.2	50.2	50.6	50.6	50.6	50.6	51.2
GE 1500		37.4	39.5	43.8	45.5	45.8	48.6	49.3	50.2	53.2	53.4	53.7	53.7	53.7	53.7	54.4
GE 1200		38.7	42.0	47.1	48.8	49.1	52.1	52.7	53.7	56.9	57.4	57.7	57.7	57.7	57.7	58.3
GE 1000		40.5	44.0	49.1	50.7	51.1	54.0	54.7	55.9	60.3	61.3	61.7	61.7	61.7	61.7	62.3
GE 900		40.8	44.3	49.4	51.1	51.4	54.5	55.2	56.4	61.2	62.5	62.8	62.8	62.8	62.8	63.5
GE 800		41.5	45.3	51.2	52.9	53.2	56.7	57.4	58.7	64.0	65.3	65.6	65.6	65.8	66.0	66.6
GE 700		41.5	45.3	51.9	53.6	53.9	57.5	58.2	59.7	65.1	66.6	66.9	66.9	67.1	67.3	68.3
GE 600		42.5	46.4	53.4	55.2	55.5	59.8	60.8	62.3	67.9	69.4	69.8	69.8	69.9	70.1	71.1
GE 500		43.1	47.1	54.4	56.5	56.9	62.0	63.0	64.5	70.9	72.6	73.1	73.1	73.6	73.7	74.7
GE 400		43.1	47.1	55.3	57.4	57.9	63.3	64.8	66.3	73.7	75.5	76.0	76.2	77.2	77.4	78.7
GE 300		43.3	47.8	55.9	58.3	58.8	64.3	66.1	68.4	76.9	80.0	80.7	81.5	82.8	83.1	85.5
GE 200		43.3	47.8	55.9	58.3	58.8	64.3	66.1	68.4	77.2	80.7	81.8	84.1	88.1	88.4	94.4
GE 100		43.3	47.8	55.9	58.3	58.8	64.3	66.1	68.4	77.4	81.3	82.5	85.3	89.9	90.6	100.0
GE 0		43.3	47.8	55.9	58.3	58.8	64.3	66.1	68.4	77.4	81.3	82.5	85.3	89.9	90.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 635

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DE

PERIOD OF RECORD: 75-84
MONTH: DEC 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	11.9	12.9	13.9	14.4	14.4	15.2	15.2	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	
GE 20000	12.9	14.2	15.9	16.4	16.4	17.7	17.7	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	
GE 18000	13.2	14.4	16.2	16.7	16.7	17.9	17.9	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	
GE 16000	13.2	14.4	16.2	16.7	16.7	17.9	17.9	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	
GE 14000	13.2	14.4	16.2	16.7	16.7	17.9	17.9	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	
GE 12000	13.4	14.7	16.4	16.9	16.9	18.2	18.2	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	
GE 10000	13.7	14.9	16.9	17.4	17.4	18.7	18.7	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	
GE 9000	14.7	15.9	18.4	18.9	18.9	20.1	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	
GE 8000	16.2	17.7	20.1	20.6	20.6	21.9	21.9	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	
GE 7000	16.4	17.9	20.4	20.9	20.9	22.1	22.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	
GE 6000	16.4	17.9	20.4	20.9	20.9	22.1	22.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	
GE 5000	16.4	17.9	20.4	20.9	20.9	22.1	22.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	
GE 4500	17.4	18.9	21.4	21.9	21.9	23.6	23.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	
GE 4000	19.7	21.6	24.1	24.6	24.6	26.4	26.6	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	
GE 3500	22.1	24.4	27.4	28.1	28.1	30.1	30.3	30.6	30.8	30.8	30.8	30.8	30.8	30.8	30.8	
GE 3000	24.9	27.9	33.1	34.3	34.3	36.3	36.8	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	
GE 2500	27.4	30.6	36.1	37.3	37.3	39.8	40.5	40.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	
GE 2000	30.8	34.1	39.8	41.0	41.0	44.0	44.8	45.0	45.5	45.5	45.5	45.8	45.8	45.8	45.8	
GE 1800	30.8	34.1	39.8	41.0	41.0	44.0	44.8	45.0	45.5	45.5	45.5	45.8	45.8	45.8	45.8	
GE 1500	32.8	37.1	43.5	45.0	45.0	48.3	49.0	49.3	50.0	50.0	50.0	50.2	50.2	50.2	50.2	
GE 1200	35.1	40.3	47.3	48.5	48.5	51.7	52.5	52.7	54.0	54.2	54.2	54.5	54.5	54.5	54.5	
GE 1000	36.3	42.8	49.5	51.0	51.0	54.2	55.5	56.0	59.0	59.7	59.7	60.0	60.0	60.0	60.0	
GE 900	37.1	43.5	50.5	52.0	52.0	55.2	56.5	57.0	60.0	60.7	60.7	60.9	61.2	61.2	61.2	
GE 800	38.1	44.5	52.2	53.7	53.7	57.0	58.5	59.0	61.9	62.7	62.7	62.9	63.2	63.2	63.2	
GE 700	38.3	44.8	53.3	55.0	55.0	58.7	60.4	60.9	64.4	65.2	65.2	65.4	65.7	65.7	65.7	
GE 600	39.3	46.0	54.5	57.2	57.5	61.2	62.9	63.4	67.2	67.9	67.9	68.2	68.4	68.4	68.4	
GE 500	39.6	46.3	55.2	58.0	58.2	62.2	63.9	64.7	68.9	69.7	69.9	70.1	70.4	70.4	70.4	
GE 400	41.0	47.8	57.5	60.4	60.7	64.9	66.9	68.2	73.4	74.1	74.4	75.1	75.4	75.6	76.4	
GE 300	41.5	48.5	58.5	61.4	61.7	66.4	68.4	69.7	75.1	76.4	76.6	78.1	79.6	80.3	82.1	
GE 200	41.8	48.8	59.3	62.7	62.9	67.7	69.7	70.9	77.9	80.1	80.8	83.3	86.6	87.8	92.3	
GE 100	41.8	48.8	59.3	62.7	62.9	67.7	69.7	70.9	78.1	80.6	81.8	84.8	88.6	90.5	99.8	
GE 0	41.8	48.8	59.3	62.9	63.2	67.9	69.9	71.1	78.4	80.8	82.1	85.1	88.8	90.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 402

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 1500-1700

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	26.1	27.3	28.1	28.3	28.4	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
GE 20000		27.4	29.3	30.4	31.5	31.9	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 18000		27.5	29.5	30.6	31.7	32.1	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 16000		27.5	29.5	30.6	31.7	32.1	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 14000		27.7	29.7	30.8	31.9	32.2	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 12000		27.7	29.7	30.8	31.9	32.2	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 10000		29.0	31.0	32.1	33.3	33.7	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 9000		30.1	32.1	33.2	34.4	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 8000		35.0	37.0	38.0	39.3	39.7	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 7000		35.7	37.7	38.8	40.0	40.4	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 6000		35.9	37.9	38.9	40.2	40.6	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 5000		37.0	39.3	40.4	41.7	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 4500		38.6	41.3	42.6	44.0	44.6	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 4000		40.9	44.0	46.2	47.6	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 3500		46.2	49.3	51.6	53.3	53.8	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 3000		50.2	53.6	56.2	57.8	58.3	59.1	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 2500		52.5	56.5	59.4	61.1	61.6	62.3	63.2	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 2000		54.7	59.2	62.9	64.7	65.2	65.9	66.8	66.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 1800		54.9	59.4	63.0	65.0	65.6	66.3	67.2	67.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 1500		58.0	63.0	67.0	69.2	69.7	70.5	71.7	71.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 1200		59.4	65.4	69.4	72.3	72.8	73.6	74.8	75.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 1000		59.6	65.8	69.9	73.4	73.9	74.6	75.9	76.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 900		59.6	65.8	69.9	73.4	73.9	74.6	76.1	76.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 800		59.6	65.8	69.9	73.4	73.9	74.6	76.3	76.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 700		59.8	65.9	70.7	74.1	74.6	76.1	78.3	78.6	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 600		59.8	65.9	70.8	74.3	74.8	76.4	79.0	79.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5
GE 500		60.3	66.7	71.9	75.4	75.9	78.3	81.2	81.5	84.6	85.1	85.1	85.1	85.1	85.1	85.1
GE 400		60.3	66.7	72.1	75.6	76.1	78.8	81.7	82.2	86.2	86.8	86.8	87.0	87.5	87.5	87.5
GE 300		60.3	66.7	72.1	75.5	76.1	78.8	82.1	83.2	87.9	88.4	88.4	88.9	89.9	89.9	91.3
GE 200		60.7	67.0	72.5	75.9	76.4	79.2	82.4	83.5	88.4	88.9	89.1	89.9	92.0	92.6	96.7
GE 100		60.7	67.0	72.5	75.9	76.4	79.2	82.4	83.5	88.4	88.9	89.3	90.0	92.8	93.3	99.6
GE 0		60.7	67.0	72.5	75.9	76.4	79.2	82.4	83.5	88.4	88.9	89.3	90.0	92.8	93.3	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: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: NOV 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	19.0	20.4	23.3	23.3	23.7	24.2	24.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.4	
GE 20000	21.1	22.5	25.6	26.0	26.3	26.8	27.5	27.7	27.9	27.9	27.9	27.9	27.9	27.9	28.7	
GE 18000	21.3	22.6	25.8	26.1	26.5	27.0	27.7	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.9	
GE 16000	21.3	22.6	25.8	26.1	26.5	27.0	27.7	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.9	
GE 14000	21.3	22.6	25.8	26.1	26.6	27.0	27.7	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.9	
GE 12000	21.6	23.0	26.1	26.5	26.8	27.9	28.6	28.7	28.9	28.9	28.9	28.9	28.9	28.9	29.8	
GE 10000	23.0	24.6	27.7	28.0	28.4	29.4	30.1	30.3	30.5	30.5	30.5	30.5	30.5	30.5	31.4	
GE 9000	23.7	25.3	28.4	28.7	29.1	30.1	30.8	31.0	31.2	31.2	31.2	31.2	31.2	31.2	32.1	
GE 8000	25.4	27.2	30.5	31.2	31.5	32.6	33.3	33.4	33.6	33.6	33.6	33.6	33.6	33.6	34.5	
GE 7000	25.8	27.5	30.8	31.7	32.1	33.1	33.8	34.0	34.1	34.1	34.1	34.1	34.1	34.1	35.0	
GE 6000	26.0	27.7	31.0	31.9	32.2	33.3	34.0	34.1	34.3	34.3	34.3	34.3	34.3	34.3	35.2	
GE 5000	26.5	28.9	32.2	33.3	33.6	34.7	35.4	35.5	35.7	35.7	35.7	35.7	35.7	35.7	36.6	
GE 4500	28.2	31.0	34.5	35.5	35.9	36.9	37.6	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.9	
GE 4000	29.3	32.6	36.6	38.0	38.3	39.4	40.1	40.2	40.4	40.4	40.4	40.4	40.4	40.4	41.3	
GE 3500	31.5	34.8	39.4	40.9	41.3	42.5	43.2	43.4	43.6	43.6	43.6	43.6	43.6	43.6	44.4	
GE 3000	37.6	41.3	46.9	49.3	49.7	51.4	52.6	52.8	53.1	53.1	53.1	53.1	53.1	53.1	54.4	
GE 2500	39.7	43.4	49.0	51.4	51.7	53.5	54.7	54.9	55.2	55.2	55.2	55.2	55.2	55.2	56.4	
GE 2000	42.3	46.2	53.1	55.9	56.3	58.0	59.2	59.4	59.8	59.8	59.8	59.8	59.9	59.9	61.1	
GE 1800	42.9	46.7	53.7	56.8	57.1	58.9	60.1	60.3	60.6	60.6	60.6	60.6	60.8	60.8	62.0	
GE 1500	46.5	50.7	57.7	60.8	61.1	62.9	64.1	64.3	64.6	64.6	64.6	64.6	64.8	64.8	66.0	
GE 1200	48.8	53.1	60.3	63.4	63.8	65.7	67.1	67.4	67.8	67.8	67.8	67.8	67.9	67.9	69.2	
GE 1000	50.2	55.6	63.2	66.4	66.7	69.3	70.7	71.1	72.0	72.0	72.0	72.0	72.1	72.1	73.3	
GE 900	50.2	55.6	63.2	66.7	67.1	69.9	71.3	71.6	72.6	72.6	72.6	72.6	72.8	72.8	74.0	
GE 800	50.3	55.7	63.8	67.8	68.1	71.1	72.6	73.2	74.2	74.2	74.2	74.2	74.4	74.4	75.6	
GE 700	50.3	55.9	64.6	69.3	69.9	72.8	74.7	75.3	76.3	76.3	76.3	76.3	76.5	76.5	77.7	
GE 600	50.5	56.3	66.2	71.1	71.8	74.7	77.0	77.7	78.7	78.7	78.7	78.7	78.9	78.9	80.1	
GE 500	50.9	56.6	67.2	72.1	72.8	75.8	78.7	79.6	81.7	82.2	82.2	82.2	82.4	82.4	83.8	
GE 400	51.2	57.0	67.8	72.6	73.3	76.5	80.1	81.0	84.7	85.7	85.7	85.7	86.2	86.2	88.2	
GE 300	51.2	57.0	67.8	72.6	73.3	76.5	80.1	81.2	85.9	87.1	87.3	87.6	89.5	89.9	93.4	
GE 200	51.2	57.0	67.8	72.6	73.3	76.5	80.1	81.2	86.4	87.8	88.0	88.3	91.5	92.0	97.6	
GE 100	51.2	57.0	67.8	72.6	73.3	76.5	80.1	81.2	86.6	88.0	88.2	88.5	91.8	92.3	100.0	
GE 0	51.2	57.0	67.8	72.6	73.3	76.5	80.1	81.2	86.6	88.0	88.2	88.5	91.8	92.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 574

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: NOV HOURS(LST): 0900-1100

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	12.6	14.1	15.0	16.1	16.1	17.1	18.0	18.0	18.8	19.0	19.2	19.5	19.7	19.7	21.8
GE 20000	14.3	15.9	16.8	18.2	18.2	19.2	20.1	20.4	21.3	21.5	21.6	22.0	22.2	22.2	24.3
GE 18000	14.8	16.4	17.3	18.7	18.7	19.7	20.6	20.9	21.8	22.0	22.2	22.5	22.7	22.7	24.8
GE 16000	14.8	16.4	17.3	18.7	18.7	19.7	20.6	20.9	21.8	22.0	22.2	22.5	22.7	22.7	24.8
GE 14000	14.8	16.4	17.3	18.7	18.7	19.7	20.6	20.9	21.8	22.0	22.2	22.5	22.7	22.7	24.8
GE 12000	15.4	16.9	17.8	19.2	19.2	20.4	21.3	21.6	22.5	22.7	22.9	23.2	23.4	23.4	25.5
GE 10000	15.9	17.6	19.0	20.8	20.8	22.0	22.9	23.2	24.1	24.3	24.4	24.8	25.0	25.0	27.1
GE 9000	17.3	19.0	20.4	22.2	22.2	23.4	24.3	24.6	25.5	25.7	25.8	26.2	26.4	26.4	28.4
GE 8000	19.9	22.0	23.7	25.8	25.8	27.1	27.9	28.4	29.5	29.7	29.8	30.2	30.4	30.4	32.5
GE 7000	20.2	22.3	24.1	26.2	26.2	27.4	28.6	29.1	30.4	30.5	30.7	31.1	31.2	31.2	33.3
GE 6000	20.2	22.5	24.6	26.7	26.7	27.9	29.1	29.7	30.9	31.1	31.2	31.6	31.8	31.8	33.9
GE 5000	20.9	23.4	25.5	27.9	27.9	29.1	30.4	30.9	32.1	32.3	32.5	32.8	33.2	33.2	35.3
GE 4500	22.3	25.0	27.2	29.7	29.7	30.9	32.1	32.6	33.9	34.0	34.4	34.7	35.1	35.1	37.2
GE 4000	24.6	27.2	30.2	33.0	33.0	34.2	35.4	36.0	37.2	37.3	37.7	38.0	38.4	38.4	40.5
GE 3500	26.5	29.7	33.7	37.0	37.0	38.6	39.8	40.5	41.9	42.1	42.4	43.1	43.5	43.5	45.5
GE 3000	28.3	31.6	36.3	39.6	39.6	41.5	42.8	43.5	45.0	45.2	45.5	46.2	46.6	46.6	49.2
GE 2500	28.8	32.1	37.0	40.7	40.7	42.6	43.8	44.5	46.1	46.2	46.6	47.3	47.6	47.6	50.3
GE 2000	31.4	34.9	40.1	44.2	44.2	46.1	47.3	48.0	49.7	49.9	50.3	51.1	51.5	51.5	54.1
GE 1800	31.4	34.9	40.3	44.5	44.5	46.4	47.8	48.5	50.3	50.4	50.8	51.7	52.0	52.0	54.6
GE 1500	33.5	37.2	42.9	47.5	47.5	49.6	51.0	51.7	53.6	53.8	54.1	55.0	55.3	55.3	57.9
GE 1200	35.4	39.3	45.4	49.9	49.9	52.0	54.1	54.8	56.7	56.9	57.2	58.1	58.5	58.5	61.1
GE 1000	36.3	40.3	47.5	52.2	52.2	55.1	57.2	57.9	60.9	61.3	61.6	62.5	62.8	62.8	65.4
GE 900	36.3	40.3	48.3	53.1	53.1	56.0	58.1	58.8	62.1	62.5	62.8	63.7	64.0	64.0	66.7
GE 800	36.8	40.8	48.9	53.6	53.6	56.9	59.2	59.9	63.4	63.7	64.0	64.9	65.3	65.3	67.9
GE 700	37.5	41.7	49.9	54.8	54.8	58.8	61.4	62.1	65.6	66.0	66.3	67.2	67.5	67.5	70.2
GE 600	38.0	42.4	51.0	56.0	56.2	60.9	63.5	64.6	68.2	68.6	68.9	69.8	70.2	70.2	72.9
GE 500	38.2	42.6	51.7	56.7	57.1	62.5	65.3	66.5	70.9	71.4	71.7	72.6	72.9	72.9	75.7
GE 400	38.2	42.6	52.4	57.6	57.9	63.9	66.7	67.9	73.3	74.2	74.7	75.7	76.8	76.8	79.9
GE 300	38.2	42.6	52.4	57.6	57.9	63.9	67.0	68.4	74.7	76.8	77.7	79.1	80.5	80.8	86.2
GE 200	38.2	42.6	52.4	57.6	57.9	63.9	67.0	68.4	75.0	77.8	79.1	81.2	83.6	85.0	94.6
GE 100	38.2	42.6	52.4	57.6	57.9	63.9	67.0	68.4	75.0	78.0	79.4	81.5	84.3	85.9	99.8
GE 0	38.2	42.6	52.4	57.6	57.9	63.9	67.0	68.4	75.0	78.0	79.4	81.5	84.3	85.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: NOV 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		13.1	14.9	16.5	16.8	16.8	17.0	17.0	17.3	18.3	18.6	18.8	18.8	19.4	19.6	22.0
GE 20000		14.1	16.0	17.5	18.1	18.1	18.3	18.3	18.6	19.6	19.9	20.2	20.2	21.5	21.7	24.1
GE 18000		14.1	16.0	17.5	18.1	18.1	18.3	18.3	18.6	19.6	19.9	20.2	20.2	21.5	21.7	24.1
GE 16000		14.1	16.0	17.5	18.1	18.1	18.3	18.3	18.6	19.6	19.9	20.2	20.2	21.5	21.7	24.1
GE 14000		14.1	16.0	17.5	18.1	18.1	18.3	18.3	18.6	19.6	19.9	20.2	20.2	21.5	21.7	24.1
GE 12000		14.4	16.2	17.8	18.3	18.3	18.6	18.6	18.8	19.9	20.2	20.4	20.4	21.7	22.0	24.3
GE 10000		15.2	17.0	19.1	19.6	19.6	19.9	19.9	20.2	21.5	21.7	22.0	22.0	23.3	23.6	25.9
GE 9000		15.2	17.0	19.1	19.6	19.6	19.9	19.9	20.2	21.5	21.7	22.0	22.0	23.3	23.6	25.9
GE 8000		19.1	20.9	23.3	23.8	23.8	24.1	24.1	24.3	25.9	26.2	26.4	26.4	27.7	28.0	30.4
GE 7000		19.9	21.7	24.1	24.6	24.6	24.9	24.9	25.1	26.7	27.0	27.2	27.2	28.5	28.8	31.2
GE 6000		19.9	21.7	24.1	24.6	24.6	24.9	24.9	25.1	26.7	27.0	27.2	27.2	28.5	28.8	31.2
GE 5000		20.4	22.3	24.6	25.1	25.1	25.4	25.4	25.7	27.2	27.5	27.7	27.7	29.1	29.3	31.7
GE 4500		22.8	24.9	27.2	27.7	27.7	28.0	28.0	28.3	30.1	30.6	30.9	30.9	32.2	32.5	34.8
GE 4000		25.4	28.3	30.9	31.7	31.7	32.2	32.5	32.7	34.6	35.1	35.3	35.3	36.6	36.9	39.3
GE 3500		26.4	29.6	33.0	34.0	34.0	35.1	35.3	35.6	37.4	38.0	38.2	38.5	39.8	40.1	42.7
GE 3000		29.1	32.7	36.9	38.0	38.2	40.1	40.3	40.8	43.2	43.7	44.0	44.2	45.5	45.8	48.4
GE 2500		29.3	33.2	38.0	39.3	39.5	41.4	41.6	42.1	44.5	45.0	45.3	45.5	46.9	47.1	49.7
GE 2000		30.4	35.1	40.3	42.1	42.4	45.0	45.3	45.8	48.2	48.7	49.0	49.2	50.5	50.8	53.4
GE 1800		30.4	35.1	40.3	42.1	42.4	45.0	45.5	46.1	48.7	49.2	49.5	49.7	51.0	51.3	53.9
GE 1500		31.9	36.6	42.1	44.0	44.2	46.9	47.4	47.9	50.8	51.3	51.6	51.8	53.1	53.4	56.0
GE 1200		33.8	38.5	44.0	46.6	46.9	49.7	50.5	51.0	54.2	55.0	55.2	55.5	56.8	57.1	59.7
GE 1000		34.8	40.1	46.1	48.7	49.0	52.1	52.9	53.4	57.1	58.1	58.6	58.9	60.2	60.5	63.1
GE 900		35.1	40.3	46.3	49.0	49.2	52.4	53.4	53.9	57.6	58.6	59.2	59.4	60.7	61.0	63.6
GE 800		35.6	41.4	47.4	50.0	50.3	53.4	54.5	55.0	58.6	59.7	60.2	60.5	62.0	62.3	64.9
GE 700		35.9	42.4	50.0	52.6	52.9	56.5	57.6	58.1	62.3	63.6	64.1	64.4	66.0	66.2	68.8
GE 600		37.2	43.7	51.6	54.2	54.5	58.1	59.2	59.9	64.1	65.4	66.0	66.2	67.8	68.1	70.9
GE 500		38.0	45.3	53.1	55.8	56.5	60.7	61.8	63.1	68.1	69.4	69.9	70.4	72.3	72.5	75.4
GE 400		38.0	45.5	53.9	56.5	57.6	62.3	63.4	65.2	71.2	72.5	73.3	74.1	75.9	76.4	80.4
GE 300		38.0	45.5	53.9	56.8	57.9	63.1	64.1	66.0	72.3	73.6	74.3	75.4	78.0	78.8	83.5
GE 200		38.0	45.5	53.9	56.8	57.9	63.4	64.4	66.2	73.8	76.4	77.5	78.8	81.7	83.0	91.1
GE 100		38.0	45.5	53.9	56.8	57.9	63.4	64.7	66.5	74.3	77.0	78.3	79.6	83.0	85.3	99.2
GE 0		38.0	45.5	53.9	56.8	57.9	63.4	64.7	66.5	74.3	77.0	78.3	79.6	83.0	85.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 382

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 1500-1700

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		27.9	29.3	30.3	30.3	30.3	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
GE 20000		33.4	34.8	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 18000		34.4	35.8	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 16000		34.4	35.8	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 14000		34.8	36.1	37.3	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 12000		35.4	36.8	38.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 10000		36.5	38.0	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 9000		39.0	40.6	41.8	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 8000		42.1	43.8	45.4	45.5	45.5	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 7000		42.3	44.2	45.7	45.9	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 6000		42.3	44.2	45.7	45.9	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 5000		42.3	44.2	45.7	45.9	45.9	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 4500		43.8	45.7	47.3	47.4	47.4	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 4000		46.6	48.6	50.5	50.7	51.0	51.4	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 3500		53.3	55.8	57.9	58.0	58.4	58.7	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 3000		61.6	65.1	68.0	68.3	68.7	69.0	69.3	69.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 2500		65.1	68.7	71.6	72.1	72.4	72.8	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 2000		68.2	71.7	75.7	76.4	76.7	77.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 1800		68.8	72.6	76.5	77.2	77.6	78.3	78.6	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1500		69.0	72.9	77.9	78.8	79.1	80.0	80.3	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 1200		70.0	74.0	79.5	80.8	81.2	82.4	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 1000		71.1	75.7	81.3	82.7	83.0	84.4	84.8	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 900		71.7	76.4	82.4	83.7	84.1	86.0	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 800		71.7	76.4	82.5	83.9	84.2	86.3	86.8	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 700		72.1	76.7	83.4	84.8	85.1	87.3	88.0	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 600		72.6	77.2	84.1	85.4	85.8	88.4	89.0	89.7	90.4	90.6	90.6	90.6	90.6	90.6	90.6
GE 500		72.6	77.4	84.6	86.0	86.3	89.0	89.9	90.8	91.4	91.6	91.6	91.6	91.6	91.6	91.6
GE 400		72.6	77.4	84.6	86.0	86.3	89.4	90.6	91.6	93.2	93.3	93.8	94.0	94.0	94.0	94.0
GE 300		72.6	77.4	84.6	86.0	86.3	89.4	90.9	92.0	94.7	95.5	96.1	96.4	97.1	97.1	97.1
GE 200		72.6	77.4	84.6	86.0	86.3	89.4	90.9	92.0	94.9	95.7	96.6	97.3	98.8	98.8	99.0
GE 100		72.6	77.4	84.6	86.0	86.3	89.4	90.9	92.0	94.9	95.7	96.6	97.3	98.8	98.8	100.0
GE 0		72.6	77.4	84.6	86.0	86.3	89.4	90.9	92.0	94.9	95.7	96.6	97.3	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 584

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 75-84
MONTH: OCT 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		25.3	27.0	28.3	28.5	28.6	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 20000		29.9	31.7	33.4	33.7	33.9	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
GE 18000		30.3	32.1	33.7	34.0	34.2	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 16000		30.3	32.1	33.7	34.0	34.2	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 14000		30.3	32.1	33.7	34.0	34.2	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 12000		31.4	33.2	34.9	35.2	35.4	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 10000		34.5	36.3	38.0	38.3	38.5	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 9000		35.5	37.3	39.3	39.6	39.8	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
GE 8000		38.8	40.8	42.8	43.1	43.3	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 7000		39.5	41.4	43.4	43.8	43.9	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 6000		39.5	41.4	43.4	43.8	43.9	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 5000		39.6	41.8	43.8	44.1	44.2	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 4500		41.3	43.4	45.4	45.7	45.9	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 4000		44.2	46.4	48.7	49.2	49.3	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 3500		46.2	48.8	51.6	52.3	52.5	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 3000		53.5	57.4	60.5	61.3	61.5	62.2	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 2500		56.7	60.7	64.1	65.0	65.1	66.0	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 2000		59.4	63.3	67.6	68.6	68.8	69.7	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.4
GE 1800		60.4	64.5	68.8	69.7	69.9	70.9	72.2	72.5	72.9	72.9	72.9	72.9	72.9	72.9	73.0
GE 1500		61.7	66.1	71.4	73.2	73.4	74.7	76.2	76.5	76.8	76.8	76.8	76.8	76.8	76.8	77.0
GE 1200		63.0	67.6	73.2	75.3	75.5	77.0	78.8	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.6
GE 1000		63.5	68.8	74.7	77.0	77.1	78.6	80.8	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.7
GE 900		64.3	69.7	76.3	78.3	78.5	79.9	82.1	82.4	82.9	82.9	82.9	82.9	82.9	82.9	83.1
GE 800		64.3	69.7	76.5	78.8	78.9	80.6	82.7	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.9
GE 700		64.6	70.4	78.0	80.3	80.4	82.1	84.2	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.7
GE 600		65.0	71.1	79.3	81.6	81.9	83.9	86.3	87.3	88.3	88.3	88.3	88.3	88.3	88.3	88.5
GE 500		65.3	71.4	79.8	82.1	82.4	84.5	87.0	88.2	89.8	89.8	89.8	89.8	89.8	89.8	90.0
GE 400		65.3	71.4	80.1	82.4	82.7	84.9	87.5	88.8	91.4	92.8	93.6	93.6	93.9	93.9	94.1
GE 300		65.3	71.4	80.1	82.4	82.7	84.9	87.5	89.0	92.4	94.2	95.1	95.2	95.9	96.2	96.4
GE 200		65.3	71.4	80.1	82.4	82.7	84.9	87.5	89.0	92.6	94.7	95.7	96.2	97.4	97.7	98.5
GE 100		65.3	71.4	80.1	82.4	82.7	84.9	87.5	89.0	92.6	94.7	95.9	96.4	97.9	98.2	100.0
GE 0		65.3	71.4	80.1	82.4	82.7	84.9	87.5	89.0	92.6	94.7	95.9	96.4	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 608

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: OCT HOURS(LST): 0900-1100

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	19.5	21.0	23.6	24.4	24.4	25.2	25.7	25.7	27.2	27.2	27.2	27.4	27.4	27.4	27.5
GE 20000	22.8	24.8	27.5	28.4	28.4	29.2	29.8	29.8	31.3	31.3	31.3	31.5	31.5	31.5	31.6
GE 18000	22.8	24.8	27.7	28.5	28.5	29.3	30.0	30.0	31.5	31.5	31.5	31.6	31.6	31.6	31.8
GE 16000	22.8	24.8	27.7	28.5	28.5	29.3	30.0	30.0	31.5	31.5	31.5	31.6	31.6	31.6	31.8
GE 14000	22.8	24.8	27.7	28.5	28.5	29.3	30.0	30.0	31.5	31.5	31.5	31.6	31.6	31.6	31.8
GE 12000	23.3	25.4	28.4	29.3	29.3	30.2	30.8	30.8	32.3	32.3	32.3	32.5	32.5	32.5	32.6
GE 10000	24.3	26.4	29.3	30.3	30.3	31.3	32.0	32.0	33.6	33.6	33.6	33.8	33.8	33.8	33.9
GE 9000	25.4	27.7	31.3	32.3	32.3	33.3	33.9	33.9	36.2	36.2	36.2	36.4	36.4	36.4	36.6
GE 8000	27.4	29.7	33.4	34.6	34.8	35.7	36.7	36.9	39.3	39.3	39.5	39.7	39.8	39.8	40.0
GE 7000	27.9	30.2	33.9	35.1	35.2	36.2	37.2	37.4	39.8	39.8	40.0	40.2	40.3	40.3	40.5
GE 6000	28.0	30.3	34.1	35.2	35.4	36.4	37.4	37.5	40.0	40.0	40.2	40.3	40.5	40.5	40.7
GE 5000	28.5	30.8	34.6	35.7	35.9	36.9	37.9	38.0	40.5	40.5	40.7	40.8	41.0	41.0	41.1
GE 4500	29.8	32.3	36.2	37.5	37.7	38.7	39.7	39.8	42.3	42.3	42.5	42.6	42.8	42.8	43.0
GE 4000	31.8	34.3	38.7	40.2	40.3	41.3	42.3	42.5	44.9	44.9	45.1	45.2	45.6	45.6	45.7
GE 3500	33.6	36.2	40.8	42.5	42.6	43.6	44.9	45.1	47.7	47.9	48.0	48.2	48.5	48.5	48.7
GE 3000	37.2	40.3	45.1	46.9	47.0	48.2	49.5	49.7	52.3	52.5	52.6	52.8	53.1	53.1	53.3
GE 2500	38.4	41.5	46.4	48.2	48.4	49.5	50.8	51.0	54.1	54.6	54.8	54.9	55.2	55.2	55.4
GE 2000	40.5	43.6	48.5	50.8	51.0	52.3	53.8	53.9	57.0	57.7	57.9	58.2	58.7	58.7	58.9
GE 1800	41.1	44.3	49.7	52.0	52.1	53.6	55.1	55.2	58.7	59.3	59.5	59.8	60.3	60.3	60.5
GE 1500	42.0	45.2	51.6	53.9	54.1	55.7	57.4	57.5	61.6	62.5	62.8	63.3	63.8	63.8	63.9
GE 1200	43.6	46.9	53.3	56.1	56.4	58.0	59.7	59.8	64.1	64.9	65.2	65.7	66.2	66.2	66.4
GE 1000	44.3	47.7	54.8	57.5	57.9	59.5	61.8	62.0	66.9	67.9	68.2	68.7	69.2	69.2	69.3
GE 900	44.9	48.4	56.6	59.3	59.7	61.6	64.1	64.4	69.3	70.3	70.7	71.1	71.6	71.6	71.8
GE 800	46.1	49.5	57.9	60.7	61.0	63.0	65.6	65.9	70.8	71.8	72.1	72.6	73.1	73.1	73.3
GE 700	47.5	51.0	59.5	62.6	63.0	65.2	68.2	69.0	74.4	75.7	76.1	76.6	77.0	77.0	77.2
GE 600	47.7	51.1	60.0	63.3	63.6	65.9	69.2	70.0	76.2	77.7	78.0	78.5	79.0	79.0	79.2
GE 500	48.0	51.5	60.5	64.3	64.6	67.4	70.8	71.8	79.8	81.8	82.5	83.0	83.8	83.8	83.9
GE 400	48.2	51.8	60.8	64.6	64.9	67.7	71.1	72.3	80.7	83.3	84.3	84.8	86.1	86.4	87.2
GE 300	48.2	51.8	60.8	64.6	64.9	68.0	71.5	72.6	81.8	84.8	86.2	87.5	89.8	90.5	92.5
GE 200	48.2	51.8	60.8	64.6	64.9	68.0	71.5	72.6	82.1	85.6	87.0	88.5	91.1	92.0	96.9
GE 100	48.2	51.8	60.8	64.6	64.9	68.0	71.5	72.6	82.1	85.7	87.2	88.9	92.0	93.0	99.7
GE 0	48.2	51.8	60.8	64.6	64.9	68.0	71.5	72.6	82.1	85.7	87.2	88.9	92.0	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 610

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP OL

PERIOD OF RECORD: 75-84
MONTH: OCT 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	14.0	15.0	17.2	17.2	17.4	18.9	19.7	19.7	22.6	22.6	22.6	22.9	23.6	23.8	25.3	
GE 20000	15.2	17.0	19.2	19.2	19.4	21.1	22.1	22.1	25.1	25.1	25.1	25.3	26.0	26.3	28.3	
GE 18000	15.2	17.0	19.2	19.2	19.4	21.1	22.1	22.1	25.1	25.1	25.1	25.3	26.0	26.3	28.3	
GE 16000	15.2	17.0	19.2	19.2	19.4	21.1	22.1	22.1	25.1	25.1	25.1	25.3	26.0	26.3	28.3	
GE 14000	15.2	17.0	19.2	19.2	19.4	21.1	22.1	22.1	25.1	25.1	25.1	25.3	26.0	26.3	28.3	
GE 12000	15.2	17.0	19.2	19.7	19.9	21.6	22.6	22.6	25.6	25.6	25.6	25.8	26.5	26.8	28.7	
GE 10000	15.5	17.2	19.7	20.1	20.4	22.1	23.1	23.1	26.0	26.0	26.0	26.3	27.0	27.3	29.7	
GE 9000	17.2	19.2	21.6	22.1	22.4	24.1	25.1	25.1	28.0	28.0	28.0	28.3	29.0	29.2	31.7	
GE 8000	18.9	21.1	23.6	24.1	24.6	26.3	27.5	28.0	31.4	31.4	31.7	31.9	32.7	32.9	35.4	
GE 7000	19.7	21.9	24.8	25.3	25.8	27.5	28.7	29.2	32.7	32.7	32.9	33.2	33.9	34.2	36.6	
GE 6000	20.1	22.4	25.3	25.8	26.3	28.0	29.2	29.7	33.4	33.4	33.7	33.9	34.6	34.9	37.3	
GE 5000	20.6	22.9	25.8	26.3	26.8	28.5	29.7	30.2	33.9	33.9	34.2	34.4	35.1	35.4	37.8	
GE 4500	22.4	24.6	27.8	28.3	28.7	30.5	31.7	32.2	36.4	36.4	36.6	36.9	37.6	37.8	40.3	
GE 4000	23.8	26.3	29.7	30.2	30.7	32.4	33.9	34.4	39.1	39.1	39.3	39.6	40.3	41.0	43.5	
GE 3500	24.3	26.8	30.5	31.2	31.9	33.9	35.6	36.1	41.0	41.8	42.3	42.5	43.2	44.0	46.7	
GE 3000	27.5	30.5	35.6	36.4	37.8	40.0	42.3	42.8	48.6	49.4	49.9	50.1	50.9	51.6	54.3	
GE 2500	28.5	31.4	36.6	37.3	38.8	41.0	43.2	43.7	49.6	50.4	50.9	51.1	51.8	52.6	55.3	
GE 2000	29.5	32.4	37.8	38.8	40.3	43.0	45.2	45.7	52.1	53.1	53.6	53.8	54.5	55.3	58.0	
GE 1800	29.5	32.4	37.8	39.1	40.5	43.2	45.5	45.9	52.3	53.3	53.8	54.1	55.0	55.8	58.5	
GE 1500	30.5	33.7	39.8	41.8	43.2	45.9	48.2	48.9	55.3	56.3	56.8	57.0	58.0	58.7	61.4	
GE 1200	31.7	35.1	41.5	43.5	45.0	47.9	50.1	50.9	57.7	59.5	60.0	60.2	61.2	61.9	64.6	
GE 1000	32.9	36.6	43.5	45.7	47.2	50.1	52.3	53.1	61.4	63.1	63.9	64.1	65.1	65.8	68.6	
GE 900	32.9	36.6	43.5	45.7	47.2	50.1	52.6	53.6	61.9	63.6	64.4	64.6	65.6	66.3	69.0	
GE 800	34.2	37.8	45.2	47.4	48.9	51.8	54.3	55.5	64.1	65.8	66.6	66.8	67.8	68.6	71.3	
GE 700	35.6	39.3	46.7	48.9	50.4	53.3	56.0	57.2	65.8	67.8	68.6	69.0	70.0	70.8	73.5	
GE 600	35.6	39.3	46.7	48.9	50.4	53.6	56.8	58.0	67.1	69.8	70.5	71.0	72.0	72.7	75.4	
GE 500	35.9	39.6	47.2	49.6	51.4	55.5	59.0	60.2	70.3	73.0	74.0	74.4	75.4	76.4	79.1	
GE 400	36.1	39.8	47.9	50.4	52.1	56.5	60.0	61.4	72.0	75.2	76.2	77.1	78.1	79.9	83.0	
GE 300	36.1	39.8	47.9	50.4	52.1	56.5	60.0	62.4	73.5	76.7	77.6	78.9	81.3	83.0	88.9	
GE 200	36.1	39.8	47.9	50.4	52.1	56.5	60.0	62.4	74.0	77.6	79.4	81.1	84.3	86.2	94.6	
GE 100	36.1	39.8	47.9	50.4	52.1	56.5	60.0	62.4	74.0	77.6	79.4	81.3	84.8	87.0	99.0	
GE 0	36.1	39.8	47.9	50.4	52.1	56.5	60.0	62.4	74.0	77.6	79.4	81.3	84.8	87.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 407

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106145 STATION NAME: PIRMASENS AHP DL

PERIOD OF RECORD: 75-84
MONTH: SEP HOURS(LST): 1500-1700

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		34.1	36.3	37.3	37.3	37.3	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 20000		42.4	45.2	46.8	46.8	46.8	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 18000		42.6	45.4	47.0	47.0	47.0	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 16000		42.6	45.4	47.0	47.0	47.0	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 14000		42.6	45.4	47.0	47.0	47.0	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 12000		43.4	46.2	47.8	47.8	47.8	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 10000		45.6	48.6	50.2	50.2	50.2	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 9000		47.8	50.8	52.8	53.4	53.4	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000		51.6	54.6	56.6	57.4	57.4	58.2	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 7000		52.4	55.4	57.4	58.2	58.2	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 6000		52.8	55.8	57.8	58.6	58.6	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 5000		54.2	57.2	59.2	60.0	60.0	60.8	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 4500		57.2	60.8	62.9	63.7	63.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4000		61.2	65.1	67.1	67.9	67.9	69.3	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500		66.1	70.3	72.7	73.7	73.7	75.1	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 3000		74.5	79.1	81.7	82.7	83.1	85.1	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2500		76.1	81.3	84.5	85.5	85.9	88.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2000		77.7	82.9	86.1	87.8	88.2	90.2	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0
GE 1800		77.7	82.9	86.3	88.0	88.4	90.4	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2
GE 1500		79.3	84.9	88.6	90.4	91.0	93.0	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200		80.5	86.1	89.8	91.6	92.2	94.2	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0
GE 1000		80.5	86.1	89.8	91.6	92.2	94.2	94.8	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4
GE 900		80.9	86.5	90.2	92.0	92.6	94.6	95.2	95.4	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 800		80.9	86.5	90.2	92.0	92.6	95.0	95.6	95.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4
GE 700		81.1	86.7	90.4	92.2	92.8	95.4	96.0	96.4	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE 600		81.3	87.1	90.8	92.6	93.2	96.0	96.8	97.2	97.8	98.0	98.0	98.0	98.0	98.0	98.0
GE 500		81.3	87.1	90.8	92.8	93.4	96.2	97.0	97.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8
GE 400		81.3	87.1	90.8	92.8	93.4	96.4	97.2	97.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 300		81.3	87.1	90.8	92.8	93.4	96.4	97.2	97.8	99.2	99.4	99.8	99.8	99.8	99.8	99.8
GE 200		81.3	87.1	90.8	92.8	93.4	96.4	97.2	97.8	99.2	99.4	99.8	99.8	99.8	99.8	100.0
GE 100		81.3	87.1	90.8	92.8	93.4	96.4	97.2	97.8	99.2	99.4	99.8	99.8	99.8	99.8	100.0
GE 0		81.3	87.1	90.8	92.8	93.4	96.4	97.2	97.8	99.2	99.4	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 498

3. Means and standard deviations--These tabulations are derived from available hourly observations and present the mean, standard deviation, and total number of observations for the 3-hour groups, by month and annual and again at the bottom for all hours combine. Summaries for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, AND DEWPOINT TEMPERATURE.

4. Cumulative percentage frequency of occurrence of relative humidity--This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10 percent classes, plus the mean relative humidity and total number of observations presented by month and available 3-hour groups.

DAILY TEMPERATURES

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN													
S.D.													
TOTAL OBS													

USAFETAC FORM 0-21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

4

DAILY TEMPERATURES

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] WEATHER SERVICE/MAC
[illegible] [illegible] AIR FORCE BASE
STATION STATION NAME

73-85
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
≥ [illegible]	-	-	-	-	-	-	.4	.4	-	-	-	-	.1
≥ 7	-	-	-	-	-	.4	2.1	.6	-	-	-	-	.2
≥ [illegible]	-	-	-	-	.4	5.9	14.2	5.7	1.5	-	-	-	1.3
≥ [illegible]	-	-	-	-	3.3	25.3	38.5	31.4	12.2	.4	-	-	4.3
≥ [illegible]	-	-	-	.4	17.3	54.9	72.0	73.9	34.6	7.9	.9	-	20.4
≥ [illegible]	-	-	-	4.3	43.3	83.3	97.5	96.2	67.5	25.0	6.2	.7	50.4
≥ 4	4.5	1.6	12.5	28.3	74.5	97.2	100.0	99.6	93.2	58.5	20.3	6.6	69.6
≥ [illegible]	12.6	4.3	25.6	45.9	92.2	100.0	-	100.0	99.6	76.3	35.7	17.5	85.9
≥ 5	31.6	21.3	57.4	73.5	99.3	-	-	-	100.0	93.4	64.3	34.6	94.3
≥ [illegible]	47.3	41.6	67.1	84.7	-	-	-	-	-	97.3	74.6	45.1	97.6
≥ [illegible]	62.5	61.9	85.3	98.1	100.0	-	-	-	-	99.6	85.9	66.3	99.6
≥ 7	78.6	84.4	96.1	100.0	-	-	-	-	-	100.0	96.2	82.1	99.8
≥ [illegible]	86.2	93.4	98.6	-	-	-	-	-	-	-	98.2	93.7	99.6
≥ 1[illegible]	93.3	97.5	100.0	-	-	-	-	-	-	-	100.0	96.1	99.9
≥ 1	96.9	98.8	-	-	-	-	-	-	-	-	-	100.0	99.8
≥ [illegible]	99.6	100.0	-	-	-	-	-	-	-	-	-	-	100.0
≥ [illegible]	100.0	-	-	-	-	-	-	-	-	-	-	-	100.0
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
S.D.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

USAFETAC FORM 0215 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DAILY TEMPERATURES

STATION [illegible] STATION NAME 73-55 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP °F	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
[illegible]						.0.	2.1.	.4.					.2
[illegible]					.7.	4.3.	12.6.	5.0.	1.7.				[illegible]
[illegible]					3.2.	17.8.	31.4.	17.9.	4.2.				[illegible]
[illegible]					11.1.	37.9.	51.0.	52.1.	22.7.	1.7.			14.7
[illegible]				.4.	6.0.	65.0.	76.0.	81.0.	46.3.	7.0.			25.0
[illegible]				2.1.	16.6.	53.7.	86.2.	95.4.	77.7.	75.9.	21.3.	5.3.	.2	38.4
[illegible]	.7.	.4.	12.9.	38.4.	78.3.	97.6.	100.0.	100.0.	92.3.	50.3.	12.2.	2.4	49.4
[illegible]	.7.	12.7.	30.2.	67.5.	94.4.	100.0.			100.0.	78.4.	31.7.	12.3	[illegible]
[illegible]	23.2.	29.3.	61.6.	90.2.	99.3.					95.4.	55.7.	28.5	73.1
[illegible]	45.3.	53.7.	88.8.	98.1.	100.0.					100.0.	82.0.	51.9	[illegible]
[illegible]	75.1.	83.2.	97.7.	100.0.							93.2.	77.8	94.1
[illegible]	88.8.	96.3.	100.0.								100.0.	94.3	98.3
[illegible]	93.7.	96.4.										97.6	99.1
[illegible]	98.1.	99.8.										100.0	[illegible]
[illegible]	100.0.	100.0.											[illegible]
MEAN	23.3.	25.4.	41.7.	46.3.	55.1.	62.4.	65.5.	64.1.	44.7.	41.1.	3.3.		[illegible]
S D	7.9	6.3	6.3	7.3	7.1	7.1	7.2	6.2	6.2	7.2	7.2	11.3	[illegible]
TOTAL OBS	269	244	269	269	27	259	269	261	237	242	227	212	[illegible]

USAFETAC FORM 0-21 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

MEANS AND STANDARD DEVIATIONS

STATION _____ STATION NAME _____ YEARS _____

HRS (L S T)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV	DEC	ANNUAL
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
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	S D													
	TOTAL OBS													
ALL HOURS	MEAN													
	S D													
	TOTAL OBS													

USAF ETAC FORM OCT 78 0-89-5 (OL A)

MEANS AND STANDARD DEVIATIONS

STATION _____ STATION NAME _____ YEARS _____

HRS (L S T)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
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	TOTAL OBS													
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	TOTAL OBS													
ALL HOURS	MEAN													
	S D													
	TOTAL OBS													

USAF ETAC FORM OCT 78 0-89-5 (OL A)

MEANS AND STANDARD DEVIATIONS

STATION _____ STATION NAME _____ YEARS _____

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN													
	S D													
	TOTAL OBS													
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	TOTAL OBS													
ALL HOURS	MEAN													
	S D													
	TOTAL OBS													

USAF ETAC FORM OCT 78 0-89-5 (OL A)

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

RELATIVE HUMIDITY

1 ... STATION ...MACLEAN AMP OL STATION NAME 76-... PERIOD JA... MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JA...	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.3	95.7	69.2	92.0	41
	09-11	100.0	100.0	100.0	100.0	100.0	99.8	98.1	89.7	54.9	91.1	633
	12-14	100.0	100.0	100.0	100.0	99.7	96.7	90.9	74.2	42.7	86.4	629
	15-17	100.0	100.0	100.0	100.0	100.0	98.9	90.7	75.1	41.5	86.4	614
	18-20											
	21-23											
	TOTALS	100.0	100.0	100.0	100.0	99.9	99.4	94.6	83.7	51.0	89.6	2655

USAFETAC FORM JUL 64 0-87-5 (OL A)

4

...AL CLIMATOLOGY BRANCH
...SFETAC
AI... WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 14[illegible] PIRMASENS AHP GL | 76-[illegible] | [illegible]
STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.5	99.5	99.5	96.4	90.1	55.5	87.[illegible]	3[illegible]4
	09-11	100.0	100.0	100.0	100.0	99.1	96.3	88.7	76.2	44.7	86.4	575
	12-14	100.0	100.0	100.0	98.1	93.2	81.9	64.1	48.3	25.6	76.9	574
	15-17	100.0	100.0	100.0	98.6	90.5	77.4	61.5	45.9	25.5	76.3	571
	18-20											
	21-23											
	TOTALS	1[illegible]	100.0	100.0	99.1	95.6	98.8	77.7	65.1	35.6	82.5	21[illegible]4

USAFETAC FORM JUL 84 0-87-5 (OL A)

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

RELATIVE HUMIDITY

... 145 ... STATION ... STATION NAME ... 76-... PERIOD ... MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MA...	23-02											
	02-05											
	05-08	1..0	100.0	100.0	100.0	99.3	96.5	93.4	86.2	51.9	89..	457
	08-11	1..0	100.0	100.0	99.2	97.7	91.5	79.2	58.4	28.9	81.6	657
	11-14	1..0	100.0	99.4	94.8	85.9	7..9	50.6	31..	12.4	70.4	652
	14-17	1..0	99.7	98.2	92.9	80.5	62.0	45.6	27.8	11.9	67.6	632
	17-20											
	20-23											
	TOTALS	1..0	99.9	99.4	96.7	90.9	81.0	67.4	51..	20.3	77..	2359

USAFETAC FORM ... 0-87-5 (OL A)

4

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 14[illegible] PI-MASENS AHP OL 76-85 [illegible]
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	96.7	87.8	76.6	60.2	31.9	81.6	543
	09-11	100.0	100.0	99.4	91.2	80.4	64.5	48.1	31.2	15.9	69.4	624
	12-14	100.0	100.0	93.6	77.4	62.7	43.7	30.4	10.1	5.7	59.	624
	15-17	100.0	99.8	91.7	73.5	58.8	42.6	27.7	14.7	4.6	56.9	495
	18-20											
	21-23											
TOTALS		100.0	100.0	96.8	85.5	74.5	59.5	45.7	31.1	14.7	65.5	2286

USAFETAC FORM 0-87-5 (OL A)
JUL 64

AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 145 STATION PT MUGU/NAS AND CL STATION NAME 76-85 PERIOD MAY MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	10-02											
	03-05											
	06-08	100.0	100.0	100.0	99.4	96.9	88.6	74.3	54.0	32.5	71.4	542
	09-11	100.0	100.0	99.6	92.8	87.4	62.3	44.3	28.3	10.7	64.2	671
	12-14	100.0	100.0	96.1	81.1	60.7	41.4	31.2	20.7	1.5	59.6	614
	15-17	100.0	100.0	94.1	74.3	55.3	37.6	28.1	17.8	0.7	57.2	495
	18-20											
	21-23											
TOTALS		100.0	100.0	97.3	86.9	73.5	57.5	44.0	31.4	17.2	66.5	2277

USAFETAC FORM 0-87-5 (OL A)

4

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD 75-84 MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10	20	30	40	50	60	70	80	90		
	02-05											
	05-08											
	08-11											
	11-14											
	14-17											
	17-20											
	20-23											
TOTALS												

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

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

1 [illegible] 14 [illegible] PT MUGU NAS AMP UL — 75-84 — JUL
STATION — STATION NAME — PERIOD — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90		
JUL	20-02											
	02-05											
	05-08	100.0	100.0	100.0	99.2	97.1	90.8	76.7	49.3	10.0	79.	311
	08-11	100.0	100.0	99.4	96.3	84.4	62.0	41.6	19.5	4.5	66.5	615
	11-14	100.0	99.4	97.	85.6	56.7	34.3	27.8	10.2	3.6	56.7	61
	14-17	100.0	99.2	95.2	78.3	47.2	26.0	14.4	8.7	7.7	53.6	492
	17-20											
	20-23											
	TOTALS	100.0	99.7	97.8	89.9	71.4	52.2	40.5	21.0	7.2	64.	1521

USAFETAC FORM 0-87-5 (OL A)

4

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

RELATIVE HUMIDIT

1... 145 — STATION
PI...MASENS AHP OL — STATION NAME
75-84 — PERIOD
AUG — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOT NO OB
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
A...	0-02											
	3-05											
	06-08	1...0.0	100.0	100.0	100.0	99.6	97.3	87.5	63.0	25.4	83.4	5
	09-11	100.0	100.0	99.5	98.5	93.3	70.8	47.4	24.5	9.2	69.5	6
	12-14	100.0	99.4	98.5	91.0	67.2	40.9	23.8	13.2	2.9	59.1	6
	15-17	1...0.0	98.9	97.5	84.1	61.2	33.7	15.7	7.1	1.7	55.5	5
	18-20											
	21-23											
	TOTALS	1...0.0	99.6	98.9	93.4	79....	...7	43.7	26.2	10.1	66....	23

USAFETAC FORM JUL 64 0-87-5 (OL A)

[illegible] CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10 145 PIRMASENS AMF DI 75-84 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.8	99.[illegible]	95.5	76.1	41.9	[illegible]7.[illegible]	[illegible]49
	09-11	100.0	100.0	100.[illegible]	99.6	99.0	98.2	70.[illegible]	37.6	15.4	76.8	61
	12-14	100.0	100.0	100.0	96.9	86.3	59.[illegible]	38.3	19.3	5.9	66.[illegible]	60
	15-17	100.0	100.0	99.8	95.2	80.9	54.4	31.5	16.3	5.8	64.[illegible]	49
	18-20											
	21-23											
TOTALS		100.0	100.0	100.[illegible]	98.[illegible]	91.3	75.3	59.0	37.3	17.3	73.[illegible]	321

USAFETAC FORM JUL 64 0-87-5 (OL A)

14

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

13145 PIEMASENS AHF GE 75-84 OCT
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	99.0	85.5	54.3	90.1	407
	09-11	100.0	100.0	100.0	100.0	99.8	95.9	84.5	61.1	34.4	83.4	610
	12-14	100.0	100.0	100.0	100.0	97.2	79.4	58.6	31.9	15.6	73.7	613
	15-17	100.0	100.0	100.0	99.7	95.9	80.1	58.4	30.8	13.2	73.4	594
	18-20											
	21-23											
	TOTALS	100.0	100.0	100.0	99.9	98.2	88.9	75.2	52.3	29.4	80..	22..

USAFETAC FORM 0-87-5 (OL A)
JUL 64

4.

...AL CLIMATOLOGY ...ACH
...FETAC
AT ...EATHER SERVICE/MAC

RELATIVE HUMIDITY

10-145 (STATION) PINMASENS AHP (STATION NAME) 75-84 (PERIOD) NOV (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	06-08											
	13-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	97.1	90.3	63.4	91.3	382
	09-11	100.0	100.0	100.0	100.0	99.5	98.3	93.4	79.4	46.2	87.8	575
	12-14	100.0	100.0	100.0	100.0	97.7	91.8	76.3	54.4	26.3	80.5	574
	15-17	100.0	100.0	100.0	100.0	98.6	92.9	75.4	51.6	22.5	79.9	552
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.0	95.6	85.6	68.9	34.8	84.5	2563

USAFETAC FORM JUL 64 0-87-5 (OL A)

4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: 4WW/DNXA

RELATIVE HUMIDITY

1 [illegible] 145 PIRMASENS AMP GL — STATION / STATION NAME
75-84 — PERIOD
[illegible] — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
[illegible]	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	99.8	99.6	96.[illegible]	89.3	5[illegible].7	90.[illegible]	4[illegible]2
	09-11	100.0	100.0	100.0	99.8	99.5	99.[illegible]	96.[illegible]	84.4	53.2	89.[illegible]	6[illegible]5
	12-14	100.0	100.0	100.0	98.8	97.4	95.3	83.[illegible]	65.2	34.3	84.1	57[illegible]
	15-17	100.0	100.0	100.0	99.2	97.8	94.7	86.[illegible]	71.1	39.9	84.6	5[illegible]6
	18-20											
	21-23											
TOTALS		[illegible].0	[illegible]0.0	100.0	99.5	98.6	97.[illegible]	91.1	76.4	47.5	87.[illegible]	2[illegible]2

USAFETAC FORM 0-87-5 (OL A)

...AL CLIMATOLOGY ...A CH
...AFETAC
AI... WEATHER SERVICE/MAC

RELATIVE HUMIDITY

1 ...145 (STATION) PI...MASE... AHP... (STATION NAME) 75-95 (PERIOD) ALL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
...AL	ALL	...0.0	100.0	100.0	100.0	99.9	99.4	94.9	83.7	53..	89.2	2695
...E		...0.0	100.0	100.0	99.1	95.6	86.8	77.7	65.1	38.6	82.4	2174
...A		...0.0	99.9	99.4	96.7	90.9	81.0	67.4	51.0	26.3	77.2	2395
...P		...0.0	100.0	96.8	85.6	74.5	59.5	45.7	31.1	14.5	66.6	2295
...A		...0.0	100.0	97.5	86.9	73.5	57.5	44.4	31.4	17.2	66.6	2277
...A		...0.0	99.7	97.4	90.9	78.8	59.1	40.9	22.1	...6	65.3	2347
...L		100.0	99.7	97.9	89.9	71.4	53.8	40.5	21.9	7.2	64..	2214
...U		...0.0	99.6	98.4	93.4	79.6	60.7	43.7	26.2	10.1	66.9	2391
...E		...0.0	100.0	100.0	98.0	91.3	75.3	59.0	37.3	17.3	73.6	2210
...T		100.0	100.0	100.0	99.9	98.2	88.9	75.2	52.3	29.4	80..	2207
...V		100.0	100.0	100.0	100.0	99.0	95.6	85.6	68.9	39.8	84.9	2241
...EC		...0.0	100.0	100.0	99.5	98.6	97.2	91.1	78.4	47.5	87..	2692
	TOTALS	...0.0	99.9	98.9	95.3	87.6	76.4	63.9	47.5	25.8	75.4	26921

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PART B - PRESSURE SUMMARY

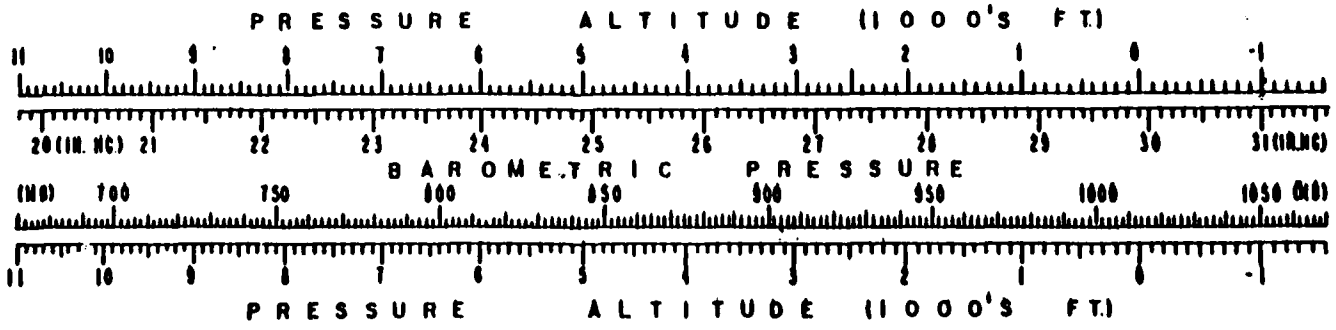
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided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

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

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES OF MERCURY

STATION | STATION NAME | YEARS

HRS (L.S.T.)		JAN	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV	DEC	ANNUAL
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
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	MEAN													
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	TOTAL OBS													
	MEAN													
	S D													
	TOTAL OBS													
ALL HOURS	MEAN													
	S D													
	TOTAL OBS													

USAF ETAC FORM OCT 78 0-89-5 (OL A)

END

DATE
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