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**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

STUTTGART GERMANY

MSC# 107380

N 48 41

E 009 13

ELEV 1300 FT

EDOC

PARTS A - F HOURS SUMMARIZED 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: MAR 78 - FEB 88

SUMMARY OF DAY DATA: OCT 46 - JUN 55,
JAN 57 - DEC 83

JUL 21 1988

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REPORT DOCUMENTATION PAGE

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3. Distribution/Availability of Report: Approved for public release; Distribution unlimited.
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- 6b. Office Symbol:
- 6c. Address: Federal Building, Asheville, NC 28801-2723.
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19. Abstract: A six-part statistical data summary of surface weather observations for: Stuttgart, Germany. Summary consists of: PART A, Weather Conditions and Atmospheric Phenomena; PART B, Precipitation; PART C, Surface Winds; PART D, Ceiling and Visibility; PART E, Psychrometric Summaries; PART F, Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.
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- 22a. Name of Responsible Individual: Marianne L. Cavanaugh
- 22b. Telephone: (618)256-5061
- 22c. Office Symbol: USAFETAC/LDD

REVIEW AND APPROVAL STATEMENT

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This document has been reviewed and is approved for publication.

FOR THE COMMANDER

A handwritten signature in cursive script, appearing to read 'Walter S. Burmann', followed by a horizontal line.

WALTER S. BURMANN
Scientific and Technical Information Program Manager

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RRRRRRRR	UU	UU	SSSSSSSS	SSSSSSSS	WW	WW	00000000
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STATION NAME: STUTTGART GERMANY

STATION NUMBER: 10738C

CALL ID: EDOC

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: MAR 78 - FEB 68

SUMMARY OF DAY DATA: OCT 46 - JUN 55, JAN 57 - DEC 83

TIME CONVERSION LST TO GMT: -1

NOTE: DUE TO ADVANCED AND MORE THOROUGH QUALITY ASSURANCE PROCEDURES EMPLOYED AT USAFETAC/OL-A, MINOR CHANGES TO THE DATA AND STATISTICAL VALUES FROM PREVIOUSLY PUBLISHED RUSSWOS MAY OCCUR.

REVISD UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73. AWS FORMS 10/10A.

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

TABLE OF CONTENTS:

PART A: WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

PART 8: PRECIPITATION, SNOWFALL, AND SNOW DEPTH SUMMARIES

PART C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

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



PO	
DATE	
AVAILABILITY	
DIST	
A-1	

STATION NO. ON SUMMARY 107380		STATION NAME STUTT GART/ECHTERDINGEN APT. GE	LATITUDE N 48 41		LONGITUDE E 009 13	FLD ELEV (FT) 1300	CALL SIGN EDOC	WMO NMER 10738	
STATION LOCATION AND INSTRUMENTATION HISTORY									
Nubr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER Yr
			From	To			FLD (FT)	BARO (FT)	
1 2 3 4 5 6 7	Echterdingen AAF/Stuttgart,GE	AAF	Oct 46	Mar 48	N 48 41	E 009 12	1310	1328	24
	Same	Same	Apr 48	Jun 51	Same	Same	Same	1330	24
	Echterdingen Apt/Stuttgart,GE	GGZMO	Jul 51	Mar 53	Same	Same	Same	Same	24
	Same	Same	Apr 53	Feb 59	Same	Same	1306	1328	24
	Same	Same	Mar 59	Aug 67	Same	009 13	Same	1314	24
	Same	Same	Sep 67	Dec 70	Same	Same	Same	N/A	24
	Same	Same	Jan 71	Feb 88	Same	Same	1300	Unkn	24

Nubr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1 2 3 4 5 6 7	Dec 46	At rear of Passenger Terminal	Anemometer	None	N/A	
	Jul 51	Atop terminal bldg	AN/GMQ-1	None	56 ft	
	Aug 51	end of parking ramp	AN/GMQ-1	None	15 ft	
	Mar 53	end of runway, 492' in rwy	Fuess 902	None	33 ft	
	Mar 59	end of ramp	AN/GMQ-1	None	12 ft	
	Sep 67	N/A	N/A	None	N/A	
	Feb 88	N/A	N/A	N/A	N/A	

PPPPPPPP	AAAAAA	KRRRRRRR	TTTTTTTT TT	AAAAAA
PPPPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT TT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAA	KRRRRRRR	TT	AAAAAAA
PP	AAAAAAA	RR RR	TT	AAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY:

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

ATMOSPHERIC PHENOMENA SUMMARY:

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

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

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

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

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

HAIL: ALL REPORTED HAIL.

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

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

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

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

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

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

NOTES:

1. A VALUE IN THE TABLES OF ".C" INDICATES LESS THAN .05% OCCURRENCE (USUALLY ONLY ONE OCCURRENCE).
2. METAR STATIONS (BEGINNING IN JAN 1958) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE AFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN

HOURS (LST)	TSIMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		11.8	1.4	24.9		35.3	22.2	.2			22.4	919
03-05		13.2	.6	26.3		37.4	22.9	.1			23.0	929
06-08		12.3	2.3	28.6		39.7	23.5	.1			23.6	928
09-11		11.3	.8	21.5		32.4	24.2	1.4			25.6	926
12-14		11.9	.1	17.0	.1	28.0	15.5	7.1			22.6	925
15-17		12.0	.8	17.2		28.6	12.8	9.1			21.6	925
18-20	.2	14.3	1.0	19.4	.1	32.3	17.5	2.7			20.0	925
21-23	.3	12.8	1.0	24.6		35.1	17.9	.3			18.1	928
TOTALS	.1	12.5	1.0	22.4	.0	33.6	19.6	2.6			22.1	7405

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB

HOURS (LST)	TSIMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.2	11.2	.6	18.7		29.7	21.6	.2			21.9	841
03-05		10.3	.4	17.3		26.8	27.3	.4			27.7	842
06-08		9.7	1.1	18.8		27.8	31.6	.4			31.9	846
09-11		9.0	1.1	20.3	.1	29.5	29.0	4.8			33.9	847
12-14		9.4	1.2	16.4	.1	26.8	10.6	14.2			24.8	847
15-17		10.8	1.2	12.8	.1	23.6	7.0	17.3			24.2	844
18-20	.1	12.4	.7	16.5		27.7	12.4	12.0			24.3	842
21-23		10.4	.5	18.2		28.0	17.7	3.2			20.9	844
TOTALS	.0	10.4	.9	17.4	.0	27.5	19.7	6.6			26.2	6753

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	13.7		5.4		18.1	11.7	1.1			12.6	924
03-05		16.2		8.0		21.7	17.9	1.6			19.5	927
06-08		14.9		8.4		21.7	26.1	2.7			28.7	927
09-11		13.2		6.7		18.6	18.4	12.4			20.7	927
12-14		10.4		3.5	.2	13.1	4.2	15.6			19.8	925
15-17	.2	11.8		3.8		14.3	2.5	13.1			15.4	926
18-20	.1	13.3		3.5		16.0	3.7	12.5			16.2	927
21-23		12.6		5.7		17.3	6.3	4.3			10.6	926
TOTALS	.1	13.3		5.6	.0	17.6	11.4	7.9			19.2	7409

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	17.5		6.6		20.7	8.0	.3			8.3	892
03-05		14.6		7.1		19.6	14.2	.3			14.5	896
06-08	.1	14.6		6.7		19.6	24.5	3.0			27.5	897
09-11		14.3		5.7	.2	18.3	7.3	11.7			19.0	900
12-14	.2	12.9		2.9		15.0	1.7	6.6			8.2	898
15-17	1.2	15.8		3.2		18.1	.3	5.1			5.5	894
18-20	1.1	17.9		3.3		20.1	1.4	5.3			6.8	899
21-23	.1	17.0		5.5		19.3	4.9	1.2			6.2	889
TOTALS	.4	15.6		5.1	.0	18.8	7.8	4.2			12.0	7165

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/ CBST TO VISION	TOTAL OBS
00-02	.6	20.3		.3		20.5	6.0	.1			6.1	929
03-05	.6	19.5		.6		19.7	14.2	.1			14.3	924
06-08	.2	20.7		.9		21.0	16.8	2.6			19.4	923
09-11		17.4				17.4	4.4	3.8			8.2	926
12-14	1.2	17.0		.2	.1	17.2	.4	2.7			3.1	924
15-17	2.6	18.7			.2	18.8	.7	1.6			2.3	921
18-20	2.9	18.6				18.6	2.1	.5			2.6	923
21-23	1.7	19.5		.1		19.6	2.8	.1			2.9	919
TOTALS	1.2	19.0		.3	.0	19.1	5.9	1.4			7.4	7389

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/ CBST TO VISION	TOTAL OBS
00-02	.7	15.4				15.4	4.9				4.9	894
03-05	.9	14.9				14.9	13.8				13.8	894
06-08	.4	11.3				11.3	17.0	2.0			19.0	894
09-11	.4	10.4				10.4	3.6	5.4			8.9	896
12-14	1.7	11.2				11.2	.2	3.0			3.2	893
15-17	3.0	10.4				10.4	.1	1.3			1.4	897
18-20	2.5	13.0				13.0	1.5	1.5			2.9	894
21-23	2.8	13.6				13.6	2.1	.8			2.9	896
TOTALS	1.6	12.5				12.5	5.4	1.8			7.1	7156

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.7	9.7				9.7	5.3	.3			5.6	924
03-05	1.4	11.5				11.5	14.7	.2			14.9	927
06-08	.7	13.6				13.6	21.9	4.0			25.8	922
09-11	.8	10.0				10.0	4.3	6.2			10.5	923
12-14	.9	9.3				9.3	.6	2.6			3.2	926
15-17	1.8	11.1				11.1	.1	1.4			1.5	923
18-20	2.5	10.2				10.2	1.3	1.5			2.7	925
21-23	1.5	9.0				9.0	4.5	1.2			5.7	929
TOTALS	1.4	10.6				10.6	6.6	2.2			8.7	7399

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.6	8.8				8.8	10.3	.5		.1	11.0	921
03-05	.3	10.8				10.8	22.2	.2			22.4	928
06-08	.1	9.4				9.4	29.6	1.5			31.1	929
09-11	.3	10.3				10.3	7.0	9.7			16.7	922
12-14	.1	8.1				8.1	1.2	5.7			6.9	928
15-17	2.4	10.3				10.3	1.1	3.4			4.5	921
18-20	2.8	9.5				9.5	2.4	3.8			6.1	922
21-23	2.7	11.1				11.1	5.6	1.0			6.6	922
TOTALS	1.3	9.0				9.8	9.9	3.2		.0	13.2	7393

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02	.6	10.6				10.6	16.6				16.6	896
03-05	.1	10.8				10.8	27.3				27.3	898
06-08		9.3				9.3	36.4	.6			36.9	896
09-11		9.3				9.3	16.7	7.6			24.3	897
12-14	.4	8.0				8.0	3.2	8.6			11.8	898
15-17	.3	9.7				9.7	1.8	6.5			8.3	895
18-20	.8	9.3				9.3	4.6	5.6			10.2	993
21-23	.8	10.7				10.7	9.4	.4			9.8	898
TOTALS	.4	9.7				9.7	14.5	3.7			18.2	7171

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
00-02		14.7		.3		14.7	29.9				29.9	926
03-05		15.2		.1		15.2	35.7				35.7	926
06-08		14.7	.1			14.9	42.3				42.3	929
09-11		14.5	.1			14.7	30.6	5.3			35.9	928
12-14		12.2				12.2	8.0	11.7			19.5	927
15-17	.1	13.8				13.8	5.1	11.7			16.6	927
18-20	.3	13.1				13.1	15.7	6.6			22.3	927
21-23	.1	13.9		.2		13.9	22.2	.4			22.6	928
TOTALS	.1	14.0	.0	.1		14.1	23.7	4.5			28.1	7418

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		12.8	.1	6.0		17.4	27.3				27.3	899
03-05		13.2	.1	7.8		19.2	30.3				30.3	899
06-08		12.2	.6	7.7		18.6	32.7	.1			32.8	899
09-11		12.0	.2	6.7		18.9	31.1	1.8			32.8	895
12-14		12.1	.3	5.0		16.9	14.5	7.4			21.9	892
15-17	.1	11.7	.6	5.6		17.1	11.9	10.6			22.5	894
18-20	.1	12.7	.7	6.1		18.2	20.0	1.7			21.7	896
21-23	.1	12.9	.1	6.2		18.0	23.5				23.5	899
TOTALS	.0	12.5	.3	6.4		18.0	23.9	2.7			26.6	7173

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: DEC

HOURS (LST)	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		12.7	.1	10.8		21.4	20.8				20.8	929
03-05		11.8	.4	13.4		23.2	24.9	.1			25.0	927
06-08		13.9	1.0	13.6		26.5	24.1	.5			24.7	929
09-11		10.9	.7	10.4		21.2	25.5	.8			26.2	919
12-14		10.7	.4	8.0		18.1	18.0	2.5			20.5	928
15-17		11.2	.2	9.2		20.1	15.4	3.0			18.4	927
18-20		12.5	.1	10.5		21.7	15.2	.6			15.8	928
21-23		12.9	.1	11.6		23.2	15.0	.1			15.1	926
TOTALS		12.1	.4	10.9		21.5	19.9	1.0			20.8	7413

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88
MONTH: ALL

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
JAN ALL	.1	12.5	1.0	22.4	.0	33.6	19.6	2.6			22.1	7405
FEB	.0	10.4	.9	17.4	.0	27.5	19.7	6.6			26.2	6753
MAR	.1	13.3		5.6	.0	17.6	11.4	7.9			19.2	7409
APR	.4	15.6		5.1	.0	18.8	7.8	4.2			12.0	7165
MAY	1.2	19.0		.3	.0	19.1	5.9	1.4			7.4	7389
JUN	1.6	12.5				12.5	5.4	1.8			7.1	7158
JUL	1.4	10.6				10.6	6.6	2.2			8.7	7399
AUG	1.3	9.8				9.8	9.9	3.2		.0	13.2	7393
SEP	.4	9.7				9.7	14.5	3.7			18.2	7171
OCT	.1	14.0	.0	.1		14.1	23.7	4.5			28.1	7418
NOV	.0	12.5	.3	6.4		18.0	23.7	2.7			26.6	7173
DEC		12.1	.4	10.9		21.5	19.9	1.0			20.8	7413
TOTALS	.6	12.7	.2	5.7	.0	17.8	14.0	3.5		.0	17.5	87246

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 49-54, 57-83
MONTH: ALL

MONTH	1STMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
JAN	.3	42.8	2.5	41.4	.3	65.3	49.8	25.2			53.2	1039
FEB	.4	41.3	.5	36.2	.4	59.2	46.1	26.1			49.6	959
MAR	1.5	46.9	.2	22.1	.6	57.3	41.4	34.3	.2		48.0	1051
APR	5.6	57.6		11.0	.8	59.9	28.1	18.3			32.4	1019
MAY	15.8	61.1		.7	.5	61.3	27.7	14.4			31.1	1053
JUN	22.2	58.8			.4	58.9	29.3	14.5			33.4	1016
JUL	18.8	50.9			.3	51.0	23.2	13.1		.1	26.4	1022
AUG	15.4	52.9			.2	52.9	27.3	12.2			29.2	1023
SEP	7.6	48.7			.3	48.7	39.9	21.2			41.3	990
OCT	1.0	46.5		1.7		46.7	49.3	28.8			50.3	992
NOV	.2	55.1	1.0	16.7	.1	59.6	45.9	18.2			47.6	960
DEC	.7	45.3	3.1	34.6	.2	62.6	49.4	16.0	.1		50.8	990
TOTALS	7.5	50.7	.6	13.7	.3	56.9	38.1	20.4	.0	.0	41.1	12116

PPPPPPPP	AAAAAA	KRRRRRR	TTTTTTTT	RRRRRRRR
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	RRRRRRRR
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	KRRRRRR	TT	RRRRRRRR
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	RRRRRRRR
PP	AAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	RRRRRRRR
PP	AA AA	RR RR	TT	RRRRRRRR

PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

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

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA ARE SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

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

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

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

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

DATA DERIVED FROM SUMMARY OF DAY DATA

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

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

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

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

EXTREME DAILY PRECIPITATION: ".00" EQUALS NONE FOR THE MONTH (HUNDRETHS)

EXTREME DAILY SNOWFALL: ".0" EQUALS NONE FOR THE MONTH (TENTHS)

EXTREME DAILY SNOW DEPTH: "0" EQUALS NONE FOR THE MONTH (WHOLE INCHES)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES:

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

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

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

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

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

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02		.06		.11		.26		.51		1.01		2.51		5.01		10.01		OVER 20.00	2 DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				TO .05	TO .10	TO .25	TO .50	TO 1.00	TO 2.50	TO 5.00	TO 10.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00				TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 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20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 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20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO 20.00	TO

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46										*TRACE	.22	.10	
47	.20	.29	.38	.13	1.21	*.25	*1.12	.17	.79	.20	1.53	1.13	1.53
48	1.56	.35	.24	.32	.45	.50	.80	.29	.45	.26	.32	.70	1.56
49	.26	.32	.30	.76	.74	.50	.61	.28	.36	.25	.28	.36	.76
50	.42	.38	.19	.56	.64	.40	.76	.62	1.13	.26	.63	.17	1.13
51	.81	.55	.81	.30	.44	.48	1.07	1.02	.56	.70	.96	.50	1.07
52	1.10	.33	.96	.76	.58	.40	.18	.71	.47	.91	.70	.71	1.10
53	.08	.33	.08	1.43	.90	1.17	1.84	.36	.41	.57	.14	*.17	1.84
54	.60	.17	.18	.58	.57	.69	.81	1.24	.57	.56	.19	.61	1.24
55	.84	.41	.15	.39	.43	.86							
57	.13	.66	.30	.44	.65	*.67	1.59	.61	.33	.57	.31	*.37	1.59
58	.61	1.51	.24	1.30	.74	.52	1.10	.73	1.63	.41	.35	.83	1.63
59	.51	.13	.47	.24	1.85	.51	.44	1.07	.22	.78	.39	.20	1.85
60	.38	.47	.33	.20	.93	.77	.70	.94	.35	.81	.39	.17	.94
61	.48	.35	.54	.56	1.00	.74	.72	.54	.80	.26	.22	.39	1.00
62	*.39	.39	.71	.57	1.10	.79	.74	.72	.74	.17	.27	.56	1.10
63	.13	.19	1.00	.89	.44	1.24	1.19	1.35	.50	.85	.87	.05	1.35
64	.28	*1.89	.85	.81	1.07	.68	.36	.73	.48	.50	1.21	.15	*1.89
65	.34	.19	*.31	.53	*.86	1.12	*1.91	1.10	.46	.08	*.59	*.60	*1.91
66	*.37	*.25	.45	.35	1.17	2.57	.54	1.55	.66	.75	.36	.78	2.57
67	.43	.39	.46	*.34	.57	.87	.45	.83	.66	.36	1.06	.61	1.06
68	.83	.31	.30	1.33	.99	.89	.69	1.13	1.18	.69	.33	.20	1.33
69	.63	.50	.23	.31	.57	.70	.81	.73	.80	.05	1.00	.40	1.00
70	.43	.47	.15	.44	1.44	.83	.30	.60	.53	.34	.40	*.17	1.44
71	.11	.31	.53	.73	1.09	*2.63	.27	1.46	.63	.21	.46	.19	*2.63
72	.07	.24	.34	*.47	.46	1.14	1.66	1.11	*.17	.40	1.21	.43	1.66
73	.15	.27	.44	.56	.25	1.27	.51	.42	.37	.51	.96	.37	1.27
74	.46	.64	.25	.21	.54	.83	.55	1.26	.52	.59	.71	.30	1.26
75	.42	.36	.38	.29	.32	2.19	.80	.77	.44	.48	.53	.05	2.19
76	.26	.25	.19	.99	.46	.98	.93	.67	.88	.31	.29	.47	.99

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
77	.53	.52	.43	.61	.64	1.06	.94	.36	.72	.69	.52	.30	1.06
78	.50	.50	.67	.22	1.96	1.60	.72	1.72	.69	.72	.12	.47	1.96
79	.66	.42	.78	.54	.40	.51	1.07	.38	1.01	.13	1.98	.40	1.98
80	.24	.48	.48	.38	.49	.56	.51	.27	.40	.77	.12	.43	.77
81	.28	.18	.24	1.01	.97	.90	.30	.46	.77	.75	.83	.74	1.01
82	.66	.32	.40	.39	.60	.87	1.96	.65	.49	1.89	.23	1.43	1.96
83	.41	.26	.39	.82	1.39	.22	.38	.35	.59				
MEAN	.467	.410	.424	.572	.801	.890	.797	.777	.635	.523	.591	.458	1.322
S.D.	.309	.255	.238	.339	.414	.488	.446	.400	.285	.343	.440	.311	.418
TOTAL OBS	1100	1012	1115	1078	1115	1077	1081	1085	1049	1075	1049	1080	12916

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

TOTAL MONTHLY PRECIPITATION IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46										*TRACE	.58	.34	
47	1.09	.85	2.21	1.03	3.19	*1.44	*2.72	.28	1.32	.39	3.66	3.44	*21.62
48	3.31	1.91	.45	.95	.96	4.10	2.89	1.72	1.07	.68	.77	1.15	19.96
49	1.59	.70	.97	2.46	3.95	1.01	.89	1.39	.65	.43	1.16	1.95	17.15
50	1.26	1.85	.50	2.58	2.84	1.65	3.16	4.20	3.95	.93	4.19	1.01	28.12
51	3.06	1.72	2.47	1.34	1.95	3.51	2.74	3.59	1.74	1.00	3.09	1.68	27.89
52	2.44	1.03	2.92	1.98	1.98	1.52	.46	1.99	3.11	3.66	3.55	2.92	27.36
53	.47	1.20	.14	2.55	2.74	7.11	4.57	1.02	2.27	1.42	.25	*.59	*24.33
54	1.57	.49	.37	2.60	1.99	3.40	3.55	5.77	4.68	2.07	1.31	2.83	30.63
55	2.70	1.93	.63	1.05	2.06	2.97							
57	.66	2.22	1.09	1.27	2.07	*3.79	3.78	3.66	2.49	.74	.96	*1.38	*24.11
58	2.22	*.93	.85	2.51	2.86	2.49	4.40	3.32	4.66	1.91	1.18	2.82	34.15
59	1.72	.13	1.64	.92	3.35	2.66	1.50	3.16	.36	2.70	1.16	1.02	20.32
60	1.76	1.95	1.38	.93	3.81	2.43	2.72	5.20	.94	3.48	2.01	1.09	27.70
61	1.76	1.42	1.43	2.07	3.95	3.33	2.43	2.35	1.90	1.05	.95	2.00	24.64
62	*.85	1.12	2.26	2.18	3.26	1.66	1.55	2.57	2.17	.34	.80	2.64	*21.40
63	.53	1.09	2.88	2.18	1.74	5.32	4.64	4.62	1.66	1.52	3.44	.14	29.76
64	.81	*3.85	3.54	2.21	3.86	2.03	.96	2.44	1.30	1.35	3.68	.62	*26.65
65	2.70	1.17	*2.27	2.93	*4.23	5.92	*5.70	3.90	2.89	.19	*3.52	*2.93	*38.25
66	*1.54	*1.11	1.99	1.64	3.66	4.49	3.42	7.15	.98	1.70	.84	3.37	*31.89
67	1.37	1.64	2.70	*1.31	3.06	3.67	2.05	3.67	2.42	1.34	1.90	1.69	*26.82
68	3.25	1.47	1.36	4.68	3.40	3.68	3.68	5.90	6.09	2.25	.94	.74	37.44
69	1.20	1.75	1.39	2.01	2.30	4.06	1.95	3.67	1.30	.09	2.79	1.39	23.69
70	1.85	4.74	.78	2.05	3.84	3.67	1.65	2.32	1.81	1.73	1.84	*1.03	*27.31
71	.30	.90	1.62	.61	3.49	*7.71	.62	4.20	1.15	.35	2.54	.54	*24.03
72	.35	.37	.89	*2.52	2.80	3.63	4.06	2.66	*.46	.87	3.99	.62	*23.22
73	.30	1.38	.97	2.33	1.63	5.77	2.44	.84	1.53	2.22	2.73	1.38	23.52
74	1.31	1.88	1.16	.65	1.80	3.21	2.42	3.81	2.09	3.28	2.65	2.18	26.44
75	1.17	.73	.95	1.02	1.25	6.95	2.44	4.12	1.70	.94	2.64	.16	24.07
76	2.01	.51	.36	1.89	1.85	1.29	2.95	2.00	3.79	.85	1.58	1.20	20.28

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

TOTAL MONTHLY PRECIPITATION IN INCHES													
-M-O-N-T-H-S-													
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
77	1.76	2.99	.95	2.31	.96	4.63	1.65	1.63	1.59	1.99	2.46	1.15	24.07
78	1.21	2.12	1.99	1.24	6.00	3.94	2.41	4.14	2.09	2.22	.28	2.29	29.93
79	1.28	1.60	3.16	1.74	1.33	2.25	2.09	2.02	3.23	.45	3.32	2.31	24.98
80	1.24	1.64	1.09	2.40	2.08	2.42	2.70	1.53	1.22	3.12	.69	1.38	21.51
81	1.96	.75	1.03	1.82	3.45	1.58	1.50	1.15	1.45	4.40	1.88	4.41	25.38
82	3.23	.58	1.77	1.25	2.60	3.76	4.80	3.76	1.64	3.91	.99	3.35	31.64
83	1.52	1.21	1.95	4.18	5.60	.71	1.58	.68	1.72				
MEAN	1.616	1.534	1.481	1.928	2.790	3.358	2.565	3.041	2.146	1.634	1.964	1.736	26.132
S.D.	.862	1.042	.867	.903	1.168	1.614	1.180	1.605	1.266	1.167	1.172	1.089	4.836
TOTAL OBS	1100	1012	1115	1078	1115	1077	1081	1085	1049	1075	1049	1080	12916

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

MONTH	AMOUNTS IN INCHES														OVER	# DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	MEAN	GREATEST				LEAST		
JAN	58.1	25.8	6.1	6.0	2.5	.5	.7	.2	.1					16.0	1099	5.7	16.9	TRACE		
FEB	62.5	22.3	5.4	5.1	3.1	.6	.7	.3						15.2	1013	5.1	17.3	.0		
MAR	78.5	16.0	2.2	1.9	.5	.5	.4							5.5	1114	1.7	12.4	.0		
APR	89.4	9.4	.6	.4	.2			.1						1.2	1079	.4	5.4	.0		
MAY	99.4	.5	.1											.1	1115	TRACE	.3	.0		
JUN	100.0														1079	.0	.0	.0		
JUL	100.0														1084	.0	.0	.0		
AUG	100.0														1085	.0	.0	.0		
SEP	100.0														1050	.0	.0	.0		
OCT	99.0	.8		.2										.2	1085	.1	2.0	.0		
NOV	84.3	11.6	1.2	1.5	.8	.3	.2		.1					4.1	1049	1.6	10.1	.0		
DEC	64.8	22.5	5.4	4.3	2.0	.7	.1	.2	.1					12.8	1081	4.4	18.9	TRACE		
ANN	86.3	9.1	1.7	1.6	.8	.2	.2	.1	.0					4.6	12933	19.0				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

24 HOUR AMOUNTS IN INCHES													
YEAR	-M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46										.0	TRACE	.6	
47	2.3	4.0	1.4	.0	.0	.0	.0	.0	.0	.0	3.2	5.2	5.2
48	1.1	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.5	4.5
49	.9	.4	2.4	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	3.5	3.5
50	1.2	2.8	.1	TRACE	.0	.0	.0	.0	.0	1.2	TRACE	1.6	2.8
51	.2	1.4	3.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.0
52	3.9	6.3	3.2	5.0	.0	.0	.0	.0	.0	TRACE	3.1	2.4	6.3
53	1.2	5.9	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	*2.8	5.9
54	*4.3	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.1	*4.3
55	1.2	2.8	1.2	TRACE	.0	.0							
57	1.0	TRACE	.0	TRACE	.3	*.0	.0	.0	.0	.0	TRACE	*TRACE	1.0
58	6.0	3.9	1.0	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	6.0
59	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.4	.4
60	2.4	2.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.2	2.4
61	3.1	.4	.8	.0	.0	.0	.0	.0	.0	.0	.4	1.6	3.1
62	*.4	2.0	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	3.9	2.4	3.9
63	2.0	2.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.8	2.8
64	3.9	*1.2	*3.9	.4	.0	.0	.0	.0	.0	.0	*1.2	*2.4	*3.9
65	2.4	2.4	*3.5	TRACE	*.0	.0	*.0	.0	.0	.0	1.6	.4	*3.5
66	*2.4	.0	1.6	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.6	*2.4
67	2.0	1.6	TRACE	*TRACE	.0	.0	.0	.0	.0	.0	.0	2.0	2.0
68	9.8	2.4	3.2	.4	.0	.0	.0	.0	.0	.0	1.6	2.4	9.8
69	2.0	3.9	TRACE	.8	.0	.0	.0	.0	.0	.0	7.1	7.9	7.9
70	1.6	2.0	3.5	1.6	TRACE	.0	.0	.0	.0	TRACE	1.6	*1.2	3.5
71	.8	.8	3.2	.0	.0	.0	.0	.0	.0	.0	3.5	2.0	3.5
72	2.8	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	1.6	TRACE	2.8
73	.8	1.6	.8	.8	.0	.0	.0	.0	.0	TRACE	1.6	1.6	1.6
74	TRACE	.8	.4	TRACE	.0	.0	.0	.0	.0	.0	.1	.4	.8
75	.4	TRACE	3.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.2	3.5
76	2.0	.8	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	.8	2.0

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-63

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77	3.9	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.1	3.9
78	.8	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.8	2.4	3.9
79	3.9	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.2	3.9
80	1.6	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.4	2.7	2.7
81	2.0	1.2	.0	.8	.0	.0	.0	.0	.0	.0	.4	3.1	3.1
82	6.0	4.0	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.2	6.0
83	1.2	1.6	.8	TRACE	.0	.0	.0	.0	.0				
MEAN	2.27	1.88	.97	.34	.01	.00	.00	.00	.00	.03	.91	1.88	3.82
S.D.	2.014	1.685	1.249	.937	.050	.000	.000	.000	.000	.203	1.591	1.713	2.120
TOTAL OBS	1099	1013	1114	1079	1115	1079	1084	1085	1050	1085	1049	1181	12933

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46										.0	TRACE	1.2	
47	7.1	7.7	1.7	.0	.0	.0	.0	.0	.0	.0	5.4	16.0	39.9
48	1.8	4.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.2	11.8
49	1.8	.8	4.1	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	5.3	12.0
50	2.4	5.6	.1	TRACE	.0	.0	.0	.0	.0	2.0	TRACE	7.1	17.2
51	.2	2.9	3.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.0
52	16.9	13.9	4.2	5.4	.0	.0	.0	.0	.0	TRACE	10.1	6.4	50.9
53	6.0	17.3	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	*3.2	*20.5
54	*12.7	.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.7	*18.2
55	2.0	8.8	4.0	TRACE	.0	.0							
57	1.8	TRACE	.0	TRACE	.3	*.0	.0	.0	.0	.0	TRACE	*TRACE	*2.1
58	12.8	7.5	1.2	3.2	.0	.0	.0	.0	.0	.0	.0	TRACE	24.7
59	.9	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.4	1.3
60	6.8	3.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	13.6
61	6.7	.4	.8	.0	.0	.0	.0	.0	.0	.0	.4	1.6	9.9
62	*.4	6.0	3.6	TRACE	TRACE	.0	.0	.0	.0	.0	6.7	6.0	*22.7
63	8.4	13.2	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	23.2
64	11.8	*2.8	*7.1	.4	.0	.0	.0	.0	.0	.0	*1.6	*6.8	*32.5
65	8.0	16.8	*5.3	TRACE	*.0	.0	*.0	.0	.0	.0	5.6	.8	*30.5
66	*5.2	.0	2.8	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.2	*11.2
67	6.8	1.6	TRACE	*TRACE	.0	.0	.0	.0	.0	.0	.0	3.6	*12.0
68	16.7	2.8	3.6	.4	.0	.0	.0	.0	.0	.0	3.6	6.4	33.5
69	4.2	14.3	TRACE	.8	.0	.0	.0	.0	.0	.0	7.9	15.1	42.3
70	4.0	10.4	4.9	2.6	TRACE	.0	.0	.0	.0	TRACE	1.6	*3.6	*27.1
71	.8	2.8	12.4	.0	.0	.0	.0	.0	.0	.0	5.1	2.0	23.1
72	6.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.4	TRACE	8.4
73	.8	4.4	.8	.8	.0	.0	.0	.0	.0	TRACE	4.4	3.6	14.8
74	TRACE	.8	.8	TRACE	.0	.0	.0	.0	.0	.0	.1	.4	2.1
75	.8	TRACE	8.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.6	10.6
76	5.2	1.2	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	2.4	9.2

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

TOTAL MONTHLY SNOWFALL IN INCHES													
YEAR	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	ALL MONTHS
						JUN	JUL						
77	8.7	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.1	8.8
78	2.4	13.4	.0	.0	.0	.0	.0	.0	.0	.0	1.2	4.4	21.4
79	12.0	2.1	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	2.5	16.6
80	4.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.4	7.6	12.5
81	7.6	3.7	.0	.8	.0	.0	.0	.0	.0	.0	.4	18.9	31.4
82	11.5	6.8	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.6	20.3
83	1.6	5.2	1.2	TRACE	.0	.0	.0	.0	.0				
MEAN	5.73	5.13	1.74	.41	.01	.00	.00	.00	.00	.06	1.63	4.35	18.90
S.D.	4.679	5.305	2.751	1.118	.050	.000	.000	.000	.000	.338	2.744	4.699	13.326
TOTAL OBS	1099	1013	1114	1079	1115	1079	1084	1085	1050	1085	1049	1081	12933

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

MONTH	AMOUNTS IN INCHES													% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS	
	NONE	TRACE	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60	61 TO 120	OVER 120			MEAN	GREATEST LEAS
JAN	52.9	8.4	9.6	11.2	5.1	9.9	2.8	.1						38.7	1096		
FEB	64.4	9.6	9.5	5.8	3.0	5.3	2.0	.4						26.0	1012		
MAR	84.5	7.0	2.9	2.0	1.3	1.7	.7							8.5	1114		
APR	97.8	1.2	.6	.2	.1	.1								1.0	1079		
MAY	100.0														1115		
JUN	100.0														1079		
JUL	100.0														1084		
AUG	100.0														1085		
SEP	100.0														1050		
OCT	99.7	.2	.1											.1	1085		
NOV	91.0	2.7	1.8	2.0	1.5	.8	.2							6.3	1049		
DEC	67.3	10.8	8.2	5.6	2.9	2.9	1.8	.3	.1	.2				21.9	1080		
ANN	88.1	3.3	2.7	2.2	1.2	1.7	.6	.1	.0	.0				8.5	12928		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46										0	0	1	
47	3	4	1	0	0	0	0	0	0	0	3	7	7
48	10	2	TRACE	0	0	0	0	0	0	0	0	40	40
49	1	0	3	0	0	0	0	0	0	0	0	3	3
50	1	4	3	0	0	0	0	0	0	1	TRACE	4	4
51	4	1	1	0	0	0	0	0	0	0	0	0	4
52	4	7	3	4	0	0	0	0	0	0	4	4	7
53	3	13	0	0	0	0	0	0	0	0	0	*3	13
54	*10	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	3	*10
55	1	4	1	0	0	0	0	0	0	0	0	0	
57	3	0	0	0	0	*0	0	0	0	0	0	*TRACE	3
58	6	22	1	1	0	0	0	0	0	0	0	0	22
59	9	0	0	0	0	0	0	0	0	0	0	TRACE	9
60	4	2	TRACE	0	0	0	0	0	0	0	0	0	4
61	5	TRACE	TRACE	0	0	0	0	0	0	0	TRACE	2	5
62	*1	3	1	0	0	0	0	0	0	0	5	4	5
63	7	11	8	0	0	0	0	0	0	0	0	2	11
64	2	*2	*6	1	0	0	0	0	0	0	*1	*5	*6
65	3	5	*8	0	*0	0	*0	0	0	0	4	TRACE	*8
66	*4	0	1	0	0	0	0	0	0	0	TRACE	2	*4
67	4	*1	0	*0	0	0	0	0	0	0	0	2	4
68	13	1	3	TRACE	0	0	0	0	0	0	3	6	13
69	8	7	TRACE	1	0	0	0	0	0	0	8	10	10
70	4	3	4	1	0	0	0	0	0	0	2	*2	4
71	3	2	4	0	0	0	0	0	0	0	4	2	4
72	4	4	TRACE	0	0	0	0	0	0	0	2	0	4
73	1	2	2	3	0	0	0	0	0	0	3	4	4
74	0	1	TRACE	0	0	0	0	0	0	0	0	TRACE	1
75	TRACE	0	7	0	0	0	0	0	0	0	0	1	7
76	5	1	TRACE	0	0	0	0	0	0	0	0	1	5

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
						JUN	JUL						
77	5	0	0	0	0	0	0	0	0	0	1	TRACE	5
78	1	9	0	0	0	0	0	0	0	0	1	4	9
79	7	4	0	0	0	0	0	0	0	0	0	1	7
80	4	0	0	0	0	0	0	0	0	0	1	6	6
81	5	2	0	1	0	0	0	0	0	0	TRACE	10	10
82	12	6	TRACE	0	0	0	0	0	0	0	0	1	12
83	1	2	1	0	0	0	0	0	0	0	0	0	0
MEAN	4.3	3.6	1.3	.3	.0	.0	.0	.0	.0	.0	1.2	3.9	8.5
S.D.	3.256	4.613	2.023	.873	.000	.000	.000	.000	.000	.169	1.951	7.240	7.848
TOTAL OBS	1096	1012	1114	1079	1115	1079	1084	1085	1050	1085	1049	1680	12928

NOTE * (BASED ON LESS THAN FULL MONTHS)

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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS:

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

SPEEDS PRESENTED IN KNOTS.

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

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS:

DATA DERIVED FROM HOURLY DATA.

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107360 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 73-83

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
73	20/ 22	24/ 36	6/ 20	22/ 40	22/ 32	30/ 43	22/ 44	22/ 33	28/ 28	24/ 41	22/ 46	26/ 40	22/ 46
74	22/ 49	24/ 44	22/ 40	2/ 34	26/ 35	22/ 34	24/ 39	22/ 33	22/ 41	24/ 50	24/ 52	24/ 51	24/ 54
75	23/ 41	29/ 33	26/ 35	29/ 38	27/ 34	36/ 44	27/ 31	27/ 29	30/ 36	31/ 26	25/ 36	28/ 24	36/ 44
76	27/ 48	19/ 28	25/ 32	26/ 30	29/ 41	30/ 26	33* 46	5/ 27	28/ 36	28/ 21	23/ 60	27/ 42	23/ 60
77	25/ 30	25/ 35	28/ 37	26/ 54	26/ 35	31/ 42	35/ 33	21* 30	11/ 31	29/ 42	27/ 50	28/ 44	26/ 54
78	29/ 39	25/ 34	26/ 50	7/ 36	30/ 38	10/ 36	28/ 34	27* 21	28/ 44	25/ 22	3/ 18	23/ 49	26/ 50
79		22/ 28	24/ 40	24/ 35	26/ 43	29/ 49	25* 35	27/ 33	32* 26	27/ 27	25/ 45	24/ 51	
80	25/ 29	27/ 40	26/ 41	27/ 46	9/ 30	27/ 35	25/ 39	28/ 39	27/ 34	24/ 48	22/ 36	24/ 40	24/ 48
81	30/ 54	24/ 33	24/ 43	26/ 28	23/ 31	36/ 44	22/ 33	25* 29	31/ 25	27/ 50	24/ 33	29/ 41	30/ 54
82	22/ 35	27/ 23	25/ 47	26/ 38	25/ 31	28/ 39	7/ 45	26/ 31	25/ 24	25/ 47	26/ 31	28/ 48	28/ 48
83	27/ 41	25/ 49	24/ 45	27/ 38	28/ 31	26/ 31	26/ 25	22/ 41	25/ 48				
MEAN	38.8	34.8	39.1	37.9	34.6	38.5	35.9	33.3	34.7	37.4	40.7	43.0	47.6
S.D.	9.998	7.441	8.203	7.190	4.365	6.743	6.431	4.713	7.987	12.020	12.230	7.586	2.966
TOTAL OBS	308	306	337	326	338	325	326	299	322	308	300	306	360

NOTES * (BASED ON LESS THAN FULL MONTHS)
% (BASED ON LESS THAN FULL MONTHS AND *100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	1.8	.5								5.2	3.4
NNE	.9	.8	.4								2.1	4.3
NE	.5	.1	1.1	.2							2.0	6.3
ENE	.5	.4	.7	.1							1.7	5.4
E	3.6	1.7	.4	.1							5.9	3.3
ESE	2.0	.5									2.5	2.2
SE	1.3		.1								1.4	2.2
SSE	1.2	.1									1.3	2.4
S	3.4	.5	.1								4.0	2.6
SSW	3.0	2.0	.7	.1							5.8	4.0
SW	2.4	4.8	3.2	1.6	.3	.2					12.5	6.9
WSW	2.7	4.0	6.4	4.6	.9	.3					18.9	8.8
W	2.3	2.1	3.3	3.8	1.2	.5	.1				13.3	9.9
WNW	1.3	1.1	.4	.2	.2	.1					3.4	6.0
NW	1.1	1.0	.3		.1						2.5	4.4
NNW	.8	.7	.5	.2	.1	.1					2.4	6.8
VARIABLE	.7										.7	1.8
CALM	////////////////////////////////////										14.5	////
TOTALS	30.5	21.7	18.2	11.0	2.8	1.3	.1				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.8	.9	.6	.1								4.4	3.5
NNE	1.0	.9	.3	.1								2.3	3.9
NE	.8	.3	.9	.3								2.3	6.2
ENE	.8	.1	.6	.2								1.7	5.7
E	5.3	1.2		.3								6.8	3.0
ESE	2.6	.9	.1									3.6	2.8
SE	1.1	.4										1.5	2.2
SSE	1.4	.2										1.6	2.3
S	2.0	1.9	.2									4.2	3.4
SSW	2.8	1.8	.1									4.7	3.3
SW	3.2	3.8	3.6	1.5	.4	.3						12.8	6.8
WSW	1.8	3.1	5.2	5.4	2.3	.2						18.0	10.2
W	3.1	2.0	1.5	3.3	1.3	.4						11.7	9.3
WNW	2.0	.4	1.0	.3	.1	.1						4.0	5.9
NW	1.3	1.6	.6	.6	.1							4.3	6.1
NNW	.9	.6	.8	.3	.1							2.7	6.2
VARIABLE	.3											.3	1.7
CALM	////////////////////											13.1	////
TOTALS	33.2	20.2	15.5	12.6	4.3	1.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	1.5	.9	.1							4.8	4.0
NNE	1.4	.6	.4	.1							2.6	4.1
NE	1.0	.2	1.1	.5							2.8	6.8
ENE	.4	.1	.4	.1							1.1	5.8
E	5.1	1.3	.6	.1							7.1	3.3
ESE	3.3	.4									3.8	2.2
SE	1.7	.4									2.2	2.3
SSE	1.8	.6	.1								2.6	2.6
S	3.1	1.3	.2								4.6	3.2
SSW	3.0	1.7	1.3	.2							6.2	4.3
SW	2.3	4.4	2.5	2.3	.3						11.7	6.8
WSW	2.7	2.9	5.3	4.2	1.6	.2					16.9	9.3
W	2.4	1.5	2.0	2.8	1.3	.1					10.1	9.3
WNW	1.3	1.1	.9	.5	.8	.1					4.6	8.2
NW	1.0	.6	.4	1.0		.1					3.1	7.4
NNW	1.3	.2	.8	.3							2.6	4.9
VARIABLE	.4										.4	1.5
CALM	////////////////////										12.6	////
TOTALS	34.6	19.1	16.9	12.3	4.0	.5					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	.9	.4	.1							2.7	4.6
NNE	.5	1.8	.5	.3							3.2	5.6
NE	1.4	.6	.8								2.8	4.5
ENE	1.8	.5	.4								2.8	3.3
E	5.4	1.3	.5	.6							7.9	3.6
ESE	3.3	1.0	.1	.1							4.5	3.1
SE	1.7	.3	.1								2.2	2.7
SSE	2.7	.4									3.1	2.4
S	3.0	1.3	.2								4.5	2.9
SSW	1.9	2.2	1.2								5.3	4.5
SW	1.8	3.6	4.4	3.0	.3	.1					13.3	8.1
WSW	2.1	3.3	5.1	4.4	1.6	.3					16.8	9.5
W	1.4	1.4	3.1	3.2	1.1	.2					10.5	9.9
WNW	1.4	.9	.5	.6	.2						3.7	6.6
NW	.6	1.3	.6	.8	.1						3.5	7.2
NNW	1.1	.2		.6							1.9	5.9
VARIABLE	.5										.5	1.4
CALM	////////////////////////////////////										10.7	////
TOTALS	32.2	21.1	18.1	13.9	3.3	.6					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	1.6	.9									3.5	4.7
NNE	.8	1.3	.8	.1								2.9	5.5
NE	1.7	.4	.9	.2								3.2	4.8
ENE	1.6	.9	.1	.3								2.9	4.3
E	6.5	2.3	1.9	.5								11.2	4.3
ESE	6.6	1.5	.1									8.2	2.6
SE	1.3	.6	.1									2.1	3.3
SSE	1.8	.8	.2									2.8	3.5
S	1.0	1.6	.5	.2								3.4	5.0
SSW	.4	1.0	.2									1.6	4.9
SW	1.0	3.5	5.4	3.5	.3							13.6	8.5
WSW	1.2	2.7	5.0	6.1	2.3	.8						17.9	11.0
W	.6	1.2	2.4	6.3	1.4	.1						12.0	11.6
WNW	.5	1.0	.5	1.5	.2							3.8	9.0
NW	.9	.9	1.2	.9	.1							3.9	7.3
NNW	.4	.6	.6	.3								2.1	6.4
VARIABLE	.4											.4	2.0
CALM	////////////////////////////////////											4.4	////
TOTALS	27.8	21.8	20.9	19.9	4.3	.9						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.9	1.0	.2							5.0	4.8
NNE	1.2	1.4	.2	.1							2.9	4.3
NE	.5	1.4	1.0	.2							3.1	5.9
ENE	2.8	.4	.5	.1							3.9	3.5
E	5.1	2.8	3.9	.6							12.4	5.1
ESE	3.9	.6									4.5	2.4
SE	1.4	.4									1.8	2.6
SSE	1.2	.6									1.8	3.2
S	.9	1.0	.8	.1							2.7	5.3
SSW	1.4	1.0	.8								3.1	4.3
SW	1.3	2.6	3.2	2.6	.4						10.2	8.2
WSW	2.1	1.6	5.3	7.9	1.6	.6	.1	.1			19.4	11.0
W	.9	1.5	3.6	5.1	1.2	.1					12.3	10.6
WNW	.6	.8	1.2	1.0	.2						3.8	8.0
NW	1.0	.8	1.0	.6							3.4	6.7
NNW	1.0	.4	.9	.5							2.8	6.3
VARIABLE	.3										.3	2.0
CALM	////////////////////////////////////										6.5	////
TOTALS	27.4	19.4	23.2	19.1	3.5	.8	.1	.1			100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	2.6	.8	.1								5.2	4.6
NNE	1.6	1.4	.2									3.2	3.7
NE	1.7	.6	1.1	.2								3.7	5.2
ENE	.5	.3	.9									1.7	6.0
E	3.2	3.5	2.6	.3								9.6	4.9
ESE	3.2	.5										3.8	2.1
SE	1.0		.1									1.1	2.8
SSE	1.5	.6	.2									2.4	3.4
S	1.6	1.4	.1	.1								3.2	3.7
SSW	3.5	2.3	.6	.2								6.6	4.1
SW	2.6	3.6	4.8	1.4	.1	.1						12.5	7.0
WSW	1.8	3.4	6.3	6.5	.4	.6	.2					19.2	9.9
W	2.6	1.2	1.9	2.6	1.1	.1						9.5	8.9
WNW	1.8	.4	.8	.8	.2							4.0	6.4
NW	1.2	.8	1.0	.2			.1					3.2	6.4
NNW	.8	1.1	.4	.4								2.7	5.6
VARIABLE	.6											.6	1.5
CALM	////////////////////											7.6	////
TOTALS	31.1	23.7	21.7	12.9	1.8	.9	.3					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	1.8	.9	.2							4.5	4.6
NNE	1.1	1.2	.5								2.8	4.0
NE	.9	.2	1.3	.1							2.5	5.8
ENE	.6	.2		.2							1.1	4.7
E	3.5	2.2	1.1								6.7	3.9
ESE	2.8	.8	.2								3.8	2.6
SE	1.6	.2									1.8	2.2
SSE	1.3	.5									1.8	2.7
S	3.2	1.3	.2	.1							4.9	3.2
SSW	2.2	1.9	.6	.4							5.2	4.8
SW	3.1	3.6	4.2	2.0	.3						13.3	7.0
WSW	2.6	3.6	4.4	4.9	1.5	.4					17.4	9.3
W	3.7	1.6	3.0	3.6	1.1	.2	.1				13.3	8.7
WNW	1.5	.4	.2	.9	.1	.3					3.5	7.8
NW	1.0	.3	.8	.3	.1						2.5	5.9
NNW	1.7	1.6	.8	.1							4.2	4.7
VARIABLE	.3										.3	2.0
CALM	////////////////////////////////////										10.6	////
TOTALS	32.7	21.5	18.2	12.8	3.1	1.0	.1				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	1.6	.7	.1							4.4	4.3
NNE	1.1	1.2	.4	.1							2.8	4.4
NE	1.1	.5	1.0	.2							2.8	5.6
ENE	1.1	.4	.5	.1							2.1	4.5
E	4.7	2.0	1.4	.3							8.5	4.1
ESE	3.5	.8	.1	.0							4.3	2.5
SE	1.4	.3	.1								1.8	2.6
SSE	1.6	.5	.1								2.2	2.8
S	2.3	1.3	.3	.1							3.9	3.5
SSW	2.3	1.7	.7	.1							4.8	4.2
SW	2.2	3.7	3.9	2.2	.3	.1					12.5	7.4
WSW	2.1	3.1	5.4	5.5	1.5	.4	.0	.0			18.1	9.9
W	2.1	1.6	2.6	3.8	1.2	.2	.0				11.6	9.8
WNW	1.3	.8	.7	.7	.3	.1					3.8	7.3
NW	1.0	.9	.7	.6	.1	.0	.0				3.3	6.5
NNW	1.0	.7	.6	.4	.0	.0					2.7	5.7
VARIABLE	.5										.5	1.7
CALM	////////////////////////////////////										10.0	////
TOTALS	31.2	21.0	19.1	14.3	3.4	.9	.1	.0			100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 7404

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-66	
N	3.4	2.4	1.7								7.5	4.4
NNE	2.3	.7	.2								3.2	3.2
NE	1.3	1.7	1.7	.2							4.9	5.6
ENE	2.7	.5	1.0								4.2	3.7
E	6.2	3.3	3.9	.1							13.6	4.4
ESE	1.8	.6									2.4	2.6
SE	1.0	.1									1.1	2.2
SSE	.8	.1									1.0	2.1
S	.7	.6	.1								1.4	3.8
SSW	1.4	.1	.2								1.8	3.1
SW	1.2	2.6	3.3	1.9	.4						9.4	7.8
WSW	2.5	2.7	2.6	1.8		.2					9.9	7.0
W	5.7	1.2	2.1	1.0	.5						10.5	5.4
WNW	2.3	.8		.6	.1						3.8	4.7
NW	1.7	1.4	.5	.2							3.8	4.4
NNW	2.7	1.2	.7	.1							4.8	3.9
VARIABLE	.7										.7	1.7
CALM	////////////////////////////////////										16.3	////
TOTALS	38.4	20.1	18.1	5.9	1.0	.2					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 841

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.9	2.1	1.4									6.4	4.3
NNE	1.2	1.5	.7	.1								3.6	4.7
NE	1.5	1.8	1.3	.1								4.8	5.1
ENE	2.1	.8	.6									3.6	3.2
E	5.1	3.2	3.7	.4								12.4	4.9
ESE	2.0		.1									2.1	2.0
SE	.8	.1										1.0	2.4
SSE	1.5	.2										1.8	2.3
S	1.4	.8										2.3	2.7
SSW	1.1	.4	.5									1.9	4.3
SW	2.6	3.1	2.4	1.8	.1							10.0	6.5
WSW	2.5	1.8	3.1	2.1	.8	.2						10.6	8.6
W	3.6	2.3	1.7	.8	.1							8.4	5.3
WNW	2.0	1.2	.2	.2	.1							3.8	4.1
NW	2.7	1.3	.4	.1								4.5	3.4
NNW	2.3	1.3	.1									3.7	3.4
VARIABLE	.5											.5	1.8
CALM	////////////////////											18.8	////
TOTALS	35.9	22.0	16.2	5.7	1.2	.2						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 841

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(LST): 0600-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.0	2.7	.8	.1							5.7	4.7
NNE	1.8	1.4	.5	.1							3.8	3.8
NE	3.2	1.4	1.3	.1							6.0	4.1
ENE	1.2	1.1	.7								3.0	4.5
E	3.8	3.7	2.8	.5							10.8	5.0
ESE	1.8	1.2	.6								3.6	4.0
SE	1.3										1.3	1.7
SSE	.8	.4									1.2	3.1
S	1.8	.7	.2								2.7	3.0
SSW	1.4	.6	.1	.1							2.2	3.7
SW	1.8	2.0	2.2	.9	.1						7.1	6.6
WSW	3.3	2.7	3.0	3.7	.5	.6					13.7	8.3
W	4.3	1.8	1.3	1.5	.1	.1					9.1	5.8
WNW	3.3	1.1	.4	.1							4.9	3.1
NW	2.6	.7	.4	.4							4.0	4.1
NNW	1.1	2.1	.6	.1							3.9	4.7
VARIABLE	.4										.4	1.7
CALM	////////////////////////////////////										16.7	////
TOTALS	35.7	23.6	14.9	7.7	.7	.7					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	1.5	1.5								4.1	5.4
NNE	1.5	1.7	.8								4.0	4.4
NE	1.9	1.5	.9								4.4	4.5
ENE	2.0	.8	1.7	.1							4.6	5.2
E	6.1	5.9	4.5	1.2							17.7	5.5
ESE	2.6	1.9		.2							4.7	3.6
SE	2.2	.4									2.6	2.3
SSE	2.0	1.3									3.3	3.2
S	2.1	.6	.1								2.8	2.6
SSW	1.2	1.1	.5								2.7	4.2
SW	.7	1.9	1.9	1.9	.1						6.5	8.0
WSW	2.4	2.4	2.7	3.8	.5	.4					12.0	8.8
W	2.7	1.5	1.7	1.5	.5	.2					8.1	7.7
WNW	2.0	.5	.7	.6	.2						4.0	5.8
NW	1.4	.9	.8	.8							4.0	6.1
NNW	.7	1.4	.9								3.1	5.0
VARIABLE	.5										.5	1.8
CALM	////////////////////										10.7	////
TOTALS	33.2	25.3	18.8	10.2	1.3	.6					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 847

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	2.5	1.9	.1							5.4	5.7
NNE	1.2	1.8	1.4	.1							4.5	5.0
NE	1.2	1.8	1.3								4.3	5.1
ENE	2.1	1.4	1.2	.4							5.1	4.9
E	7.6	6.3	6.7	4.6							25.2	6.4
ESE	5.7	2.8	.8	.6							9.9	4.1
SE	1.3	1.2									2.5	3.2
SSE	1.9	.9	.1								3.0	3.2
S	1.1	1.3									2.4	3.8
SSW	.1	.7	.1	.1							1.1	5.8
SW	.1	1.1	2.7	1.7	.1	.1					5.8	9.6
WSW	.8	2.1	3.0	4.5	1.4	.4					12.2	10.7
W	.5	.8	1.5	2.2	.9		.1				6.1	11.2
WNW	.4	.6	.8	.7	.6	.2					3.3	11.3
NW	1.1	1.5	1.1	.7							4.4	6.3
NNW	.4	.6	.7	.4	.1						2.1	7.9
VARIABLE	.5										.5	1.5
CALM	////////////////////										2.4	////
TOTALS	26.7	27.4	23.4	16.1	3.2	.7	.1				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS (LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	5.2	2.4									8.8	5.4
NNE	3.0	4.0	1.9	.2								9.1	4.9
NE	.9	1.7	1.9	.2								4.7	6.0
ENE	1.4	1.5	1.9	1.2								6.0	6.8
E	6.3	5.8	7.7	3.9	.1							23.8	6.7
ESE	2.6	1.1	1.1	.8								5.6	5.1
SE	.7	.7										1.4	3.8
SSE	.8	1.2	.2									2.3	4.1
S	.6	.8	.1									1.5	4.1
SSW	.1	.6	.2	.1								1.1	6.0
SW	1.1	1.9	3.3	1.7								7.9	7.8
WSW	.6	.9	2.8	4.2	.8	.1						9.5	11.2
W	.2	.4	2.3	2.6	.7		.2					6.4	12.0
WNW	.4	.1	.5	.8	.5	.1						2.4	11.7
NW	.2	2.0	1.5	.4								4.2	7.0
NNW	.4	1.1	1.1	.2								2.7	6.8
VARIABLE	.2											.2	2.0
CALM	////////////////////											2.3	////
TOTALS	20.8	29.1	28.9	16.4	2.1	.2	.2					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.9	4.4	1.4	.4							10.1	4.6
NNE	1.3	2.3	.8								4.4	4.8
NE	1.1	1.2	1.8								4.0	5.7
ENE	.8	1.5	1.7	1.0							5.0	7.0
E	4.2	5.3	6.1	2.0							17.6	6.3
ESE	2.6	2.7	1.0	.1							6.4	4.6
SE	1.4	.6	.1								2.1	3.5
SSE	.6	.5	.1								1.2	3.7
S	1.5	1.0									2.5	3.2
SSW	1.3	1.1	.5	.2							3.1	4.8
SW	1.3	1.4	2.4	1.3							6.4	7.3
WSW	1.7	2.3	2.1	2.5	.7	.1					9.4	8.6
W	2.0	1.9	2.6	1.5	.5						8.6	7.6
WNW	1.8	.7	.7	.5	.2						3.9	6.2
NW	2.0	2.9	1.1	.4		.1					6.4	5.5
NNW	2.3	1.0	.5			.1					3.8	4.1
VARIABLE	.2										.2	2.5
CALM	////////////////////										4.9	////
TOTALS	30.0	30.6	22.8	9.9	1.4	.4					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 842

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	1.2	1.2	.1								4.7	4.5
NNE	2.4	.8	.9									4.1	3.9
NE	1.9	2.0	.5	.2								4.6	4.4
ENE	2.8	1.7	1.7	.5								6.6	5.1
E	5.9	4.3	3.0	.1								13.3	4.5
ESE	2.7	.7	.4									3.8	2.9
SE	.8	.5	.1									1.4	3.3
SSE	1.1	.4										1.4	2.6
S	2.1	.6										2.7	2.7
SSW	.9	.7	.2									1.9	3.8
SW	2.0	1.9	2.0	1.8	.6							8.3	7.7
WSW	1.4	2.8	3.6	2.0	.7							10.5	8.1
W	3.4	1.8	.8	1.2	.2	.1						7.6	5.9
WNW	2.5	1.4	.7	.2								4.9	4.0
NW	4.3	1.1	.8	.4	.2							6.8	4.4
NNW	3.3	.7	.4	.2								4.6	3.4
VARIABLE	.5											.5	1.8
CALM	////////////////////											12.2	////
TOTALS	40.4	22.5	16.2	6.8	1.8	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-86
MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	2.8	1.5	.1								6.6	4.8
NNE	1.8	1.8	.9	.1								4.6	4.4
NE	1.6	1.6	1.3	.1								4.7	5.0
ENE	1.9	1.2	1.3	.4								4.8	5.2
E	5.6	4.7	4.8	1.6	.0							16.8	5.7
ESE	2.7	1.4	.5	.2								4.8	3.9
SE	1.2	.4	.0									1.7	2.9
SSE	1.2	.6	.1									1.9	3.1
S	1.4	.8	.1									2.3	3.1
SSW	.9	.7	.3	.1								2.0	4.3
SW	1.3	2.0	2.5	1.6	.2	.0						7.7	7.6
WSW	1.9	2.2	2.9	3.1	.7	.3						11.0	8.9
W	2.8	1.5	1.7	1.6	.4	.1	.0					8.1	7.3
WNW	1.8	.8	.5	.5	.2	.0						3.9	5.8
NW	2.0	1.5	.8	.4	.0	.0						4.8	5.1
NNW	1.6	1.2	.6	.1	.0	.0						3.6	4.6
VARIABLE	.4											.4	1.8
CALM	////////////////////////////////////											10.5	////
TOTALS	32.6	25.1	19.9	9.8	1.6	.4	.0					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 6749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	1.4	.9								4.5	3.9
NNE	1.0	.8									1.7	3.4
NE	1.0	.3	.1	.2							1.6	4.1
ENE	1.0	.8	.4								2.2	4.4
E	3.7	1.4	1.2								6.3	3.8
ESE	1.8	.2									2.1	2.1
SE	.1	.3									.4	3.8
SSE	.9	.1									1.0	2.2
S	2.2	.6	.3								3.1	2.9
SSW	2.4	1.3	1.0	.1							4.8	4.5
SW	3.4	3.9	4.0	2.3							13.5	6.6
WSW	4.3	5.3	5.4	3.4	.8						19.2	7.2
W	5.5	3.8	3.0	1.6	.3	.2	.1				14.6	6.2
WNW	2.4	1.3	.6								4.3	3.5
NW	2.9	1.0	.8	.1							4.8	3.9
NNW	1.6	.5	.4	.1							2.7	3.9
VARIABLE	.5										.5	1.6
CALM	////////////////////////////////////										12.7	////
TOTALS	36.9	23.1	18.2	7.8	1.1	.2	.1				100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	1.5	.4								4.1	2.8
NNE	1.1	1.0		.1							2.2	3.7
NE	1.1	.3	.4	.3							2.2	5.1
ENE	1.0	.8	.5								2.3	4.1
E	3.3	1.5	.8								5.6	3.7
ESE	1.4	.2									1.6	2.1
SE	1.7	.1									1.8	2.2
SSE	1.0										1.0	1.6
S	2.2	.6	.2								3.0	2.7
SSW	1.9	1.7	.4	.1							4.2	4.2
SW	3.2	4.6	4.2	2.2							14.3	6.5
WSW	3.3	5.3	5.4	2.8	.5						17.4	7.3
W	5.1	2.4	2.2	1.2	.4	.2					11.4	6.0
WNW	4.2	1.1	.5	.3	.2						6.4	4.0
NW	2.1	.6	1.4	.3							4.4	5.0
NNW	1.3	.8	.2	.1							2.4	4.2
VARIABLE	.2										.2	2.5
CALM	////////////////////////////////////										15.6	////
TOTALS	36.3	22.6	16.7	7.5	1.2	.2					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.7	1.0	1.2	.3							4.2	5.2
NNE	.8	.8	.1								1.6	3.9
NE	.8	1.1	.4	.1							2.4	4.8
ENE	1.0	.9	.1	.2							2.2	4.3
E	3.3	2.6	.9								6.8	3.9
ESE	1.9	.4									2.4	2.3
SE	1.3	.2									1.5	2.1
SSE	1.1	.3	.1								1.5	2.6
S	1.9	1.0	.4								3.3	3.6
SSW	3.2	2.4	1.2								6.8	4.1
SW	3.0	4.2	4.4	1.7	.1						13.5	6.4
WSW	4.7	3.3	4.6	3.2	.5	.2					16.7	7.4
W	4.4	1.5	1.4	1.7	.4	.1					9.6	6.4
WNW	3.2	.6	.9	.6	.1						5.5	4.7
NW	2.3	1.1	.4	.2							4.0	3.9
NNW	1.3	.6	.8	.3							3.0	5.1
VARIABLE	.4										.4	1.8
CALM	////////////////////										14.6	////
TOTALS	36.5	22.0	16.9	8.5	1.2	.3					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	1.0	.9	.3								3.8	5.0
NNE	1.0	1.5	.4									2.9	4.5
NE	1.9	1.0	.9	.4								4.2	5.1
ENE	2.4	.8	.6									3.8	3.8
E	5.6	2.8	2.7	.3								11.5	4.7
ESE	4.1	1.3	.3	.1								5.8	3.0
SE	1.7	.4										2.2	2.6
SSE	.9	.8										1.6	3.1
S	1.7	1.7	.6									4.1	4.2
SSW	1.0	1.8	1.0									3.8	4.9
SW	1.2	4.2	6.6	3.4	.1	.1						15.6	8.2
WSW	1.8	2.8	5.3	5.1	1.8	.2	.1					17.2	10.1
W	1.4	1.8	1.9	2.8	1.4	.4						9.8	10.4
WNW	1.1	.1	.9	.9	.1							3.0	8.0
NW	.6	.3	.5	.5								2.1	6.9
NNW	.5	.3	1.3	.8								2.9	7.7
VARIABLE	.6											.6	2.0
CALM	////////////////////											5.0	////
TOTALS	29.3	22.7	24.0	14.6	3.5	.8	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.0	2.0	2.3	.1							5.3	6.0
NNE	1.3	1.8	1.0								4.1	4.9
NE	.8	1.0	1.4	.5							3.7	6.9
ENE	1.4	1.0	.9	.4							3.7	5.4
E	3.7	3.0	4.1	.8							11.6	5.7
ESE	3.6	1.1	1.3	.2							6.2	4.5
SE	1.6	.8	.3	.1							2.8	4.0
SSE	1.1	.5	.4								2.1	4.4
S	1.1	.9	.8								2.7	4.0
SSW	.3	.7	.7								1.6	5.6
SW	.5	1.3	3.8	4.8	.5						10.9	10.0
WSW	.8	1.7	5.6	8.0	3.0	1.0	.3				20.5	12.4
W	.8	1.4	3.4	5.3	2.2	.4					13.4	11.9
WNW	.2	.2	1.4	.9	.3	.1					3.1	10.7
NW	.2	.5	1.4	1.2							3.4	8.6
NNW	.5	.7	.8	.4							2.4	7.2
VARIABLE	1.5	.3									1.8	2.5
CALM	////////////////////										.7	////
TOTALS	20.4	18.9	29.5	22.8	6.1	1.5	.3				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.9	2.6	3.4	.2								6.7	6.5
NNE	1.0	3.6	2.1	.5								7.1	6.3
NE	.9	2.1	.8	.3								4.0	6.0
ENE	1.1	1.3	.5	1.0								3.9	6.4
E	2.6	2.3	3.5	1.0								9.3	6.1
ESE	2.2	1.4	1.2	.2								5.0	4.8
SE	.6	.5	.2									1.4	4.1
SSE	.8	1.3	.5									2.6	5.0
S	.9	1.1	1.2									3.1	5.3
SSW	1.0	.4	.4	.5								2.4	6.3
SW	.3	1.4	3.9	3.3	.5							9.5	10.0
WSW	.5	1.1	5.8	8.2	2.6	.3	.2					18.8	12.1
W	.6	.8	3.9	4.4	1.7	.3						11.8	11.6
WNW	.4	.4	1.8	2.6	.1							5.4	9.9
NW	.2	.9	1.8	.8	.1							3.8	8.2
NNW	.3	.5	1.7	1.4								4.0	6.7
VARIABLE	.6	.1										.8	2.7
CALM	////////////////////////////////////											.5	////
TOTALS	14.9	21.7	32.4	24.5	5.1	.6	.2					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	4.1	1.2								7.8	4.6
NNE	.8	1.9	.9	.1	.1						3.8	5.8
NE	.9	1.0	1.1	.3							3.2	6.1
ENE	1.3	.9	1.1	.2							3.5	5.3
E	3.0	3.2	3.7	.1							10.0	5.4
ESE	2.2	1.3	.5								4.0	3.6
SE	1.1	.3									1.4	2.4
SSE	1.5	.4	.3								2.3	3.1
S	1.8	1.9	.9								4.6	4.4
SSW	.9	2.7	.8	.1							4.4	5.4
SW	1.3	4.0	5.1	3.0	.2						13.6	8.0
WSW	1.1	3.3	5.5	3.6	.8						14.2	8.8
W	1.9	2.4	3.9	2.6	.6	.2					11.7	8.5
WNW	.8	1.7	1.5	.6	.5	.1					5.3	8.3
NW	.8	2.2	.6	.2	.1						3.9	5.8
NNW	1.2	1.5	1.2	.3							4.2	5.7
VARIABLE	.1										.1	1.0
CALM	////////////////////										2.0	////
TOTALS	23.0	32.9	28.2	11.2	2.4	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	1.0	.9								4.1	4.1
NNE	1.6	.6	.1								2.4	3.2
NE	.8	.6	.3	.7							1.9	5.4
ENE	1.3	.8	.5	.1							2.7	4.5
E	6.2	2.8	1.0								9.9	3.4
ESE	2.3	.9	.1	.1							3.4	3.3
SE	.4	.1	.1								.6	3.2
SSE	1.4	.2									1.6	2.8
S	2.6	1.3	.2								4.1	3.2
SSW	3.5	1.9	.5	.3							6.3	3.9
SW	2.8	4.4	4.4	2.8	.3						14.8	7.2
WSW	4.4	4.6	4.6	2.6		.1					16.4	6.7
W	3.7	2.7	3.2	1.7	1.2		.1				12.6	7.8
WNW	1.8	1.7	.9	.4							4.9	5.1
NW	1.6	2.3	.6		.1						4.6	4.8
NNW	1.4	.4	.3	.1							2.3	4.0
VARIABLE												
CALM	////////////////////										7.2	////
TOTALS	38.1	26.5	17.9	8.4	1.6	.1	.1				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(151): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.8	1.3	.1							5.1	5.0
NNE	1.1	1.5	.6	.1	.0						3.2	5.0
NE	1.0	.9	.7	.3							2.9	5.6
ENE	1.3	.9	.6	.2							3.0	4.9
E	3.9	2.5	2.2	.3							8.9	4.7
ESE	2.4	.9	.4	.1							3.8	3.5
SE	1.1	.4	.1	.0							1.5	3.0
SSE	1.1	.5	.2								1.7	3.4
S	1.8	1.1	.6								3.5	3.9
SSW	1.8	1.6	.7	.1							4.3	4.6
SW	2.0	3.5	4.6	2.9	.2	.0					13.2	7.7
WSW	2.6	3.4	5.3	4.6	1.3	.2	.1				17.5	9.1
W	2.9	2.1	2.9	2.7	1.0	.2	.0				11.9	6.6
WNW	1.8	.9	1.1	.8	.2	.0					4.7	6.5
NW	1.3	1.1	1.0	.4	.0						3.9	5.7
NNW	1.0	.7	.8	.4							3.0	6.0
VARIABLE	.5	.1									.6	2.3
CALM	////////////////////////////////////										7.3	////
TOTALS	29.4	23.8	23.0	13.2	2.8	.5	.1				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 7402

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	1.5	.8	.2							4.8	4.3
NNE	2.1	1.3	.8	.1							4.4	4.4
NE	1.1	1.1	.8								3.0	4.5
ENE	.9	.9	1.1	1.0							3.9	6.8
E	3.4	1.1	.8								5.2	3.3
ESE	.6										.6	2.0
SE	.1	.1									.2	2.5
SSE	.4										.4	1.8
S	2.4	.7	.1								3.1	2.6
SSW	2.2	1.1	.4	.2							4.0	4.2
SW	2.5	4.1	2.1	.7	.1						9.5	5.5
WSW	3.1	3.5	2.9	1.3							10.9	6.0
W	7.7	3.0	3.4	1.0	.1						15.2	4.4
WNW	5.7	3.1	1.1	.8							10.8	4.3
NW	5.0	2.6	2.5	.4	.2						10.8	5.1
NNW	1.6	1.0	.7	.2							3.5	4.7
VARIABLE	.2										.2	2.5
CALM	////////////////////////////////////										9.4	////
TOTALS	41.5	25.1	17.5	6.1	.4						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.6	2.6	.9		.1							6.1	4.3
NNE	1.9	.9	.3	.2								3.3	4.2
NE	.9	.9	1.0	.2								3.0	5.7
ENE	1.3	.9	1.6	.2								4.0	5.7
E	2.0	.9	.3									3.2	3.4
ESE	.7											.7	1.5
SE	.2	.1										.3	3.3
SSE	.7	.1										.8	2.1
S	1.8	.4	.2									2.5	3.1
SSW	2.3	.9	.2	.1								3.6	3.3
SW	2.8	2.8	2.6	.8								8.9	5.7
WSW	3.6	3.6	2.9	.9	.1							11.0	5.8
W	8.1	4.1	3.0	.6	.1	.2						16.2	4.6
WNW	6.0	1.7	.9	.8								9.4	3.9
NW	3.2	2.7	2.0	.4								8.4	5.1
NNW	2.6	1.6	.3	.2								4.7	3.7
VARIABLE	.6											.6	1.8
CALM	////////////////////////////////////											13.3	////
TOTALS	41.3	24.1	16.3	4.5	.3	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	2.3	.4	.1								5.2	3.9
NNE	1.9	1.3	.4									3.7	3.9
NE	2.2	1.6	1.1	.1								5.0	4.3
ENE	1.7	.6	.7	.4								3.3	5.3
E	3.9	1.6	1.1	.3								6.9	4.0
ESE	2.6	.2	.1									2.9	2.2
SE	.8											.8	2.0
SSE	.6		.1									.7	3.2
S	2.2	.4	.1									2.8	2.2
SSW	1.7	1.0	.3									3.0	3.7
SW	2.0	2.9	2.8	.8								8.5	6.1
WSW	3.3	2.8	3.6	1.0	.2							10.9	6.2
W	4.7	2.6	3.1	.9	.2							11.5	5.6
WNW	3.9	1.2	1.6	.6	.1							7.4	4.7
NW	3.5	2.2	1.7	.2								7.6	4.8
NNW	2.9	1.1	.9	.1								5.0	4.0
VARIABLE	.9											.9	1.9
CALM	////////////////////////////////////											13.9	////
TOTALS	41.0	21.9	18.1	4.6	.6							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	1.9	.9									3.5	5.5
NNE	1.8	1.0	1.7	.2								4.7	5.6
NE	.9	1.9	1.0	.4								4.2	5.8
ENE	1.6	3.0	1.4	1.1				.1				7.2	6.6
E	7.8	4.3	3.8	2.1	.3							18.4	5.7
ESE	4.0	2.0	.4	.1								6.6	3.4
SE	1.4	.4										1.9	2.7
SSE	1.0	.8	.3									2.1	3.9
S	1.2	1.2	.7									3.1	4.5
SSW	.9	1.0	.2									2.1	4.2
SW	1.1	1.9	2.0	1.3	.2							6.6	7.8
WSW	1.2	2.1	5.0	2.9	.4							11.7	8.7
W	.8	1.4	3.5	2.1	1.4							9.2	10.1
WNW	.9	1.2	1.9	.9	.2							5.1	7.9
NW	1.3	1.3	2.7	1.1								6.5	6.9
NNW	.6	1.1	1.4	.1								3.2	6.4
VARIABLE	1.6	.7										2.2	2.8
CALM	////////////////////////////////////											1.7	////
TOTALS	28.7	27.4	26.9	12.5	2.7			.1				100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	3.0	2.5	.4							7.5	5.8
NNE	.9	3.0	2.3	.4							6.7	6.1
NE	.9	1.7	1.6	.8							4.9	7.0
ENE	.9	2.1	1.8	1.7	.2						6.7	7.9
E	1.9	4.1	3.8	2.2	.3						12.4	7.5
ESE	.8	2.1	1.0	1.1	.1						5.1	7.0
SE	.3	1.0	.4								1.8	5.1
SSE	.7	1.3	.7								2.7	5.2
S	.3	1.2	.9								2.5	5.4
SSW	.2	.8	.3	.1							1.5	5.9
SW	.4	1.0	2.1	1.2							4.8	6.5
WSW	.7	1.0	2.7	4.6	.9						9.8	10.9
W	.8	1.6	3.8	4.8	1.2						12.2	10.8
WNW	.8	1.3	1.2	1.1	.2	.1					4.8	6.1
NW	.8	.8	2.7	1.5							5.7	8.3
NNW	.9	.8	2.9	1.2	.1						5.9	8.2
VARIABLE	3.3	1.5									4.8	3.0
CALM	////////////////////										.3	////
TOTALS	16.2	28.3	30.7	21.2	3.1	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.4	3.4	4.3	.7							8.7	7.1
NNE	1.5	2.4	2.8	1.0							7.6	6.9
NE	.8	1.6	2.2	.8							5.4	7.2
ENE	.3	1.1	1.9	1.7	.2						5.3	7.2
E	1.6	2.9	4.9	2.1	.7						12.2	8.1
ESE	.4	1.8	2.6	.4							5.3	7.1
SE	.6	.7	.8	.2							2.2	5.9
SSE	.3	1.0	.8								2.1	5.8
S	.7	.9	.4								2.0	4.8
SSW	.4	.8	.4								1.7	5.1
SW	.3	1.0	.8	1.2							3.4	8.4
WSW	.3	1.5	3.2	3.6	.8						9.4	10.1
W	1.0	1.1	2.7	4.4	1.8	.2					11.2	11.4
WNW	.3	1.0	1.8	2.7	.3						6.2	10.4
NW	.4	1.7	3.4	2.7	.1	.1					8.4	9.3
NNW	.4	1.0	2.9	1.9							6.3	8.6
VARIABLE	2.1	.4									2.6	2.7
CALM	////////////////////										.1	////
TOTALS	12.1	24.2	35.9	23.4	3.9	.3					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	4.2	2.6	.9							9.1	6.3
NNE	1.9	3.0	1.6	.2							6.7	5.2
NE	1.8	1.8	1.3	.9							5.8	6.3
ENE	.6	1.3	2.1	1.7	.1						5.8	6.6
E	2.3	4.2	4.2	1.1	.3						12.2	6.7
ESE	1.7	2.2	.9	.1							4.9	4.7
SE	.9	.8									1.7	3.3
SSE	.4	1.0	.3								1.9	4.9
S	1.4	.9	.7								3.0	4.2
SSW	.7	1.0	.4	.1							2.2	5.1
SW	.6	1.6	2.2	.4							4.8	7.0
WSW	.8	2.2	2.6	2.8	.1						8.5	8.7
W	.6	1.3	4.0	3.8	.8						10.5	10.0
WNW	.1	1.8	2.6	2.2	.1	.1					6.9	9.3
NW	1.7	3.2	3.1	1.1	.2						9.3	6.7
NNW	1.0	1.4	1.9	.8	.1						5.2	6.9
VARIABLE	.3	.2									.6	3.2
CALM	////////////////////////////////////										1.1	////
TOTALS	18.1	32.3	30.5	16.1	1.8	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.3	1.2	.6	.4							5.5	4.0
NNE	1.8	1.0	.9								3.7	4.1
NE	1.0	.9	.8		.1						2.5	5.0
ENE	1.8	.9	.9	1.1							4.7	6.5
E	4.8	2.9	1.7	.2							9.7	4.2
ESE	2.2	1.0									3.7	3.1
SE	1.0	.1									1.1	2.6
SSE	.4	.3	.1								.9	1.6
S	2.1	.9									3.0	3.1
SSW	1.6	1.6	.4								3.6	4.3
SW	2.2	2.8	1.9	.6							7.5	5.6
WSW	2.8	2.9	2.9	1.3							10.0	6.2
W	5.1	4.3	3.5	1.6	.1						14.5	5.6
WNW	2.4	2.7	2.0	.3							7.4	5.4
NW	2.8	2.6	2.4	1.5							9.2	6.1
NNW	2.0	1.2	.8	.6							4.6	5.0
VARIABLE	1.0	.1									1.1	2.3
CALM	////////////////////////////////////										6.7	////
TOTALS	38.5	28.0	18.9	7.6	.2						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	2.5	1.6	.3	.0						6.3	5.4
NNE	1.7	1.7	1.4	.3							5.1	5.3
NE	1.2	1.4	1.2	.4	.0						4.3	5.9
ENE	1.1	1.4	1.4	1.1	.1			.0			5.1	7.3
E	3.5	2.8	2.6	1.0	.2						10.0	5.9
ESE	1.6	1.2	.6	.2	.0						3.7	4.7
SE	.7	.4	.2	.0							1.3	3.9
SSE	.6	.6	.3								1.4	4.5
S	1.5	.8	.4								2.8	3.7
SSW	1.3	1.0	.4	.1							2.7	4.3
SW	1.5	2.3	2.1	.9	.0						6.7	6.5
WSW	2.0	2.4	3.2	2.3	.3						10.3	7.7
W	3.6	2.4	3.4	2.4	.7	.1					12.6	7.4
WNW	2.5	1.8	1.6	1.2	.1	.0					7.2	6.3
NW	2.3	2.1	2.5	1.1	.1	.0					8.2	6.4
NNW	1.5	1.2	1.5	.6	.0						4.8	6.1
VARIABLE	1.3	.4									1.6	2.7
CALM	////////////////////////////////////										5.8	////
TOTALS	29.7	26.4	24.4	12.0	1.6	.1		.0			100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 7160

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 56	TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			
N	3.8	1.5	.4									5.7	3.1
NNE	1.6	1.1	.1									2.8	3.6
NE	.5	.8	.2									1.5	4.3
ENE	1.8	.6	.8									3.2	3.7
E	2.5	.8	.5	.2								4.0	3.7
ESE	1.2	.2										1.4	2.2
SE	.4	.1										.5	2.6
SSE	.6	.1	.2									1.0	3.6
S	2.3	.6	.1									3.0	2.9
SSW	2.2	.8	.4									3.3	3.6
SW	3.9	2.7	1.3	.1								8.0	4.1
WSW	4.5	5.3	4.8	.9								15.5	5.3
W	8.4	2.7	2.2	.3								13.6	3.7
WNW	5.5	1.8	.8	.2								8.3	3.5
NW	5.0	2.2	1.0									8.1	3.4
NNW	3.2	1.4	.1									4.7	2.6
VARIABLE	.5											.5	1.4
CALM	////////////////////////////////////											14.9	////
TOTALS	47.9	22.6	12.9	1.7								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.1	2.1	.3									5.5	3.1
NNE	1.8	.9	.1									2.8	3.1
NE	.8	.6	.4									1.8	4.2
ENE	1.5	.8	.5									2.8	4.1
E	2.4	.2	.1									2.7	2.6
ESE	1.1											1.1	1.8
SE	.1	.1										.2	3.0
SSE	1.4	.3	.1									1.8	2.5
S	3.1	.3										3.5	2.0
SSW	2.5	.9	.1									3.5	2.9
SW	3.2	3.4	1.9	.2								8.8	4.8
WSW	5.0	4.5	4.1	.5	.2							14.4	5.3
W	6.7	3.4	2.5	.4								13.0	4.2
WNW	6.5	.9	.6	.3								8.3	2.9
NW	7.1	1.9	1.4									10.5	3.2
NNW	3.6	1.0										4.5	2.6
VARIABLE	.5	.1										.6	2.5
CALM	////////////////////////////////////											14.1	////
TOTALS	50.5	21.3	12.3	1.5	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS: 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.5	1.6	1.1									5.2	4.1
NNE	1.8	1.2	.2									3.3	3.5
NE	1.5	.8	.8	.1								3.1	4.3
ENE	3.0	1.0	.8	.1								4.9	3.6
E	7.6	1.3	1.3	.2								10.4	3.4
ESE	3.1	.4										3.6	2.2
SE	1.6	.1										1.7	1.9
SSE	2.0	.1										2.1	1.8
S	2.5	.3	.2									3.0	2.8
SSW	2.4	1.4	.3									4.1	3.2
SW	2.4	3.1	2.1	.1								7.7	5.0
WSW	4.6	3.4	3.3	1.1	.2							12.5	5.6
W	4.0	2.9	2.8	.2	.1							10.1	5.2
WNW	3.8	.7	.8	.2								5.4	3.4
NW	2.9	2.0	.5	.1								5.5	3.7
NNW	2.0	1.2	.4									3.6	3.6
VARIABLE	.9											.9	2.1
CALM	////////////////////////////////////											13.0	////
TOTALS	48.5	21.5	14.5	2.2	.3							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.2	1.9	1.9									5.1	5.6
NNE	1.5	2.4	.5									4.4	4.8
NE	1.2	1.2	.8	.1								3.2	5.0
ENE	3.6	2.7	1.3	.5								8.1	4.8
E	7.8	5.5	2.3	1.7	.4							17.7	5.3
ESE	5.8	1.6	.5	.1								8.1	3.2
SE	1.9	.5	.1	.1								2.7	3.5
SSE	1.2	.4	.2									1.9	3.6
S	1.3	1.5	.2									3.0	3.9
SSW	.5	.9	.3	.1								1.8	5.1
SW	.4	3.1	2.2	.3								6.0	6.7
WSW	1.3	3.3	5.4	3.8	.5							14.4	8.7
W	.8	2.5	2.6	2.5	.4	.1						8.9	8.8
WNW	1.4	1.0	1.0	.3								3.7	5.5
NW	1.0	1.1	1.5	.5								4.1	6.6
NNW	.4	1.5	.8	.4								3.1	6.1
VARIABLE	2.3	.3										2.6	2.5
CALM	////////////////////											1.2	////
TOTALS	33.6	31.5	21.6	10.6	1.4	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.9	3.1	2.5	.3							6.8	6.1
NNE	1.1	2.5	1.4	.2							5.2	5.7
NE	.6	2.6	1.8	.8							5.8	6.4
ENE	1.4	3.4	1.3	1.1							7.1	6.2
E	2.3	5.1	3.8	2.7	.6						14.5	7.4
ESE	.9	2.1	1.1	.5							4.5	6.4
SE	.2	1.1	.6								1.9	5.6
SSE	.6	.9	.1								1.6	4.5
S	.6	1.1	.1	.1							1.9	4.8
SSW	.4	1.1	.1	.1							1.7	5.2
SW	.6	2.1	1.8	.4							5.0	6.3
WSW	.8	2.4	4.3	4.3	1.1						12.9	10.0
W	.5	1.5	4.4	4.0	.8						11.3	10.0
WNW	.6	1.5	1.4	1.1	.1						4.8	7.5
NW	.8	1.0	2.8	.8							5.3	7.3
NNW	.8	1.3	2.8	.4	.1						5.4	7.2
VARIABLE	2.6	1.2									3.8	3.0
CALM	////////////////////////////////////										.3	////
TOTALS	15.8	33.8	30.5	16.9	2.7						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.0	4.1	3.9	.9								9.9	6.5
NNE	1.0	4.0	2.1	.3								7.4	5.9
NE	.7	2.4	1.2	.4								4.7	6.2
ENE	1.0	2.2	2.0	.5								5.7	6.5
E	1.5	4.7	4.3	2.8	.3							13.7	7.7
ESE	.3	2.1	1.5	.2								4.1	6.5
SE	.2	.8	.9									1.8	6.5
SSE	.1	1.0	.2		.1							1.4	6.2
S	.8	1.2	.4									2.4	4.8
SSW	.2	.2	1.0									1.4	6.3
SW	1.0	1.2	1.6	.4								4.2	6.3
WSW	.7	2.0	4.9	4.2	.4	.1						12.3	9.6
W	1.3	1.2	4.2	4.7	.8							12.2	9.6
WNW	.4	1.4	2.1	2.4		.1						6.4	9.4
NW	.4	1.1	2.4	1.4								5.3	8.0
NNW	.7	2.0	1.8	.8								5.2	6.9
VARIABLE	1.3	.4										1.7	2.9
CALM	////////////////////////////////////											.1	////
TOTALS	12.5	31.8	34.6	19.1	1.6	.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	6.1	2.6	.4								11.4	5.5
NNE	1.6	4.1	2.0	.1								7.8	5.3
NE	.9	2.6	1.8	.2								5.5	6.0
ENE	1.3	1.7	1.1	.4								4.6	5.8
E	3.1	6.5	3.9	1.0								14.5	5.9
ESE	1.2	1.5	.7	.4								3.8	5.5
SE	.5	.7	.1									1.3	4.2
SSE	.7	.3	.1									1.1	3.7
S	1.4	1.1	.3									2.8	3.8
SSW	1.0	1.3	.1									2.4	4.0
SW	1.3	2.0	1.6	.7								5.5	6.2
WSW	1.2	3.5	4.1	1.7								10.5	7.2
W	1.6	3.5	3.0	2.4								10.5	7.4
WNW	.5	1.4	1.3	1.4	.1							4.8	8.1
NW	1.4	3.0	2.4	.8								7.6	6.1
NNW	1.4	1.2	2.4	.3								5.3	6.2
VARIABLE													
CALM	////////////////////											.7	////
TOTALS	21.5	40.4	27.5	9.9	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	4.9	2.2	.3									7.4	3.2
NNE	1.8	2.2	.3									4.4	3.9
NE	1.5	.9	.4									2.8	4.0
ENE	1.6	1.5	.5									3.7	4.0
E	6.6	1.6	.7	.4								9.4	3.3
ESE	2.2	.5										2.7	2.4
SE	.9	.2										1.1	1.9
SSE	.3											.3	2.0
S	2.4	.8										3.2	2.6
SSW	2.0	1.0										2.9	3.2
SW	3.8	2.3	2.2	.2								8.5	4.6
WSW	4.0	4.6	3.5	.8	.3							13.2	5.7
W	5.9	3.4	3.2	.3	.1							12.8	4.7
WNW	3.2	2.8	1.2	.2	.2							7.6	4.8
NW	4.2	2.5	.4	.1								7.3	3.6
NNW	2.4	1.3	.3	.1								4.1	3.6
VARIABLE	.4	.2										.7	2.8
CALM	////////////////////											7.9	////
TOTALS	48.2	28.0	13.1	2.2	.7							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.4	2.8	1.6	.2							7.1	4.8
NNE	1.5	2.3	.8	.1							4.8	4.8
NE	1.0	1.5	.9	.2							3.6	5.4
ENE	1.9	1.7	1.0	.3							5.0	5.0
E	4.2	3.2	2.1	1.1	.2						10.9	5.5
ESE	2.0	1.1	.5	.2							3.7	4.1
SE	.7	.4	.2	.0							1.4	4.0
SSE	.9	.4	.1		.0						1.4	3.5
S	1.8	.9	.2	.0							2.9	3.3
SSW	1.4	.9	.3	.0							2.7	3.8
SW	2.1	2.5	1.8	.3							6.7	5.3
WSW	2.7	3.6	4.3	2.2	.4	.0					13.2	7.1
W	3.7	2.6	3.1	1.9	.3	.0					11.5	6.5
WNW	2.7	1.4	1.1	.8	.1	.0					6.2	5.3
NW	2.9	1.8	1.6	.5							6.7	4.9
NNW	1.8	1.4	1.1	.3	.0						4.5	5.0
VARIABLE	1.1	.3									1.4	2.7
CALM	////////////////////										6.5	////
TOTALS	34.8	28.9	20.9	8.0	.9	.0					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 7388

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	1.1	.7								4.5	3.3
NNE	1.0	.3									1.3	2.7
NE	.9	.6									1.5	3.2
ENE	1.7	.1									1.8	1.8
E	1.5	.2	.1								1.8	2.5
ESE	1.2	.3									1.6	2.2
SE	.9										.9	1.9
SSE	1.0	.1									1.1	2.1
S	1.0	.1		.1							1.2	2.8
SSW	2.9	1.5	.1								4.5	2.9
SW	4.3	2.5	1.2	.3							8.3	4.1
WSW	8.6	7.5	4.6	.3							21.1	4.6
W	8.4	4.6	2.0	.4							15.5	4.1
WNW	5.2	2.7	1.6	.1							9.5	4.0
NW	6.1	1.1	1.6	.1							8.9	3.4
NNW	3.3	.8	.3								4.4	2.8
VARIABLE	.6										.6	1.8
CALM	////////////////////////////////////										11.6	////
TOTALS	51.2	23.6	12.2	1.5							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(1511): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.0	.3	.6									3.9	2.9
NNE	.8	.3										1.1	2.9
NE	.7	.4	.1									1.2	3.6
ENE	1.2	.2										1.5	2.0
E	1.9	.2										2.1	1.9
ESE	.4	.2										.7	3.3
SE	1.0	.1										1.1	2.3
SSE	.8	.2										1.0	2.1
S	2.4	.3										2.7	2.2
SSW	2.2	.6	.1									2.9	2.6
SW	4.5	3.8	.8	.2								9.3	3.9
WSW	6.7	7.1	4.4	1.0	.1							19.3	5.2
W	8.3	3.8	2.0	.2								14.4	3.7
WNW	4.5	2.2	1.1	.2								8.1	3.8
NW	4.3	2.4	1.2	.1								8.0	3.7
NNW	2.4	.7	.2	.1								3.4	2.9
VARIABLE	.6											.6	2.2
CALM	////////////////////											18.7	////
TOTALS	45.7	23.0	10.5	1.9	.1							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	.6	.6								3.6	1.0
NNE	1.5	.6	.4								2.5	3.5
NE	1.3	.7	.3								2.4	3.4
ENE	1.6	.3									1.9	2.3
E	7.3	.7	.6	.1							8.7	2.5
ESE	2.6		.1								2.7	2.2
SE	1.3	.2									1.6	2.6
SSE	1.3	.2									1.6	1.6
S	1.9	.1									2.0	1.9
SSW	2.7	1.5	.2								4.4	3.3
SW	3.0	4.4	2.6	.3							10.3	5.0
WSW	6.3	6.3	6.2	1.0	.2						20.0	5.7
W	4.7	2.0	2.1	.4							9.3	4.5
WNW	2.2	.9	1.8	.2							5.2	5.0
NW	1.7	2.6	2.0	.1							6.4	5.2
NNW	1.1	.4	1.1	.1							2.8	5.2
VARIABLE	1.6										1.6	1.7
CALM	////////////////////										13.0	////
TOTALS	44.8	21.5	18.1	2.4	.2						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.1	1.7	1.0									4.8	4.5
NNE	1.5	1.1	.8									3.4	4.3
NE	1.3	1.0	.8	.2								3.4	5.1
ENE	3.0	1.5	.4	.3								5.3	4.1
E	7.2	3.4	.9	.3								11.8	3.8
ESE	3.1	1.3	.1									4.6	3.3
SE	1.1	.6										1.7	3.2
SSE	1.2	.3	.1									1.7	3.0
S	2.0	1.0	.1									3.1	3.3
SSW	1.2	1.1	.9									3.3	4.6
SW	1.1	2.7	1.6		.1							5.5	5.8
WSW	1.7	5.4	6.5	3.0	.8							17.4	7.9
W	.9	2.8	6.0	3.5	.3							13.5	8.7
WNW	1.0	.9	2.2	.4								4.6	6.7
NW	.8	1.5	4.3	.7								7.2	7.3
NNW	.6	1.2	1.8	.4								4.0	7.0
VARIABLE	3.6	.2										3.8	2.2
CALM	////////////////////											.8	////
TOTALS	33.6	27.8	27.6	9.0	1.2							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 889

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.4	2.8	2.4	.1							6.7	5.6
NNE	.7	3.6	1.7	.1							6.1	5.6
NE	1.4	1.9	.7								4.0	4.4
ENE	1.6	2.3	.8	.6							5.2	5.4
E	2.4	2.8	2.5	.8							8.5	6.0
ESE	1.9	1.8	.5	.2							4.4	4.6
SE	.2	.9	.1								1.2	4.5
SSE	.7	.3	.1								1.1	3.5
S	.8	1.4	.3								2.5	4.6
SSW	.5	.6									1.0	3.7
SW	.6	1.6	1.6	.3							4.1	6.2
WSW	.9	2.3	5.3	4.6	1.2						14.4	9.8
W	1.2	2.0	5.0	4.5	.6						13.3	9.4
WNW	.6	1.4	3.5	1.9	.2						7.6	8.7
NW	.2	2.6	3.1	1.6							7.5	7.8
NNW	1.4	1.9	2.7	.8							6.8	7.1
VARIABLE	4.7	.9									5.6	2.6
CALM	////////////////////////////////////										.1	////
TOTALS	21.0	31.1	30.2	15.6	2.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	2.9	4.1	.3							8.4	6.5
NNE	1.2	3.7	3.2								8.1	5.8
NE	1.1	2.9	.9	.3							5.3	5.2
ENE	1.5	1.9	1.0	.2							4.6	5.0
E	3.0	3.2	2.8	.7							9.7	5.6
ESE	.7	1.1	.9	.2							2.9	5.4
SE	.5	.5	.2								1.1	4.9
SSE	1.1	.7	.2								2.0	3.9
S	.6	.8	.5		.1						1.9	5.8
SSW	.2	.2	.3	.1							.9	7.1
SW	1.0	1.6	1.8	.2							4.6	6.3
WSW	.7	1.9	5.0	3.6	.3						11.5	9.1
W	1.6	1.0	5.2	5.9	1.1						14.8	10.1
WNW	.1	1.1	2.8	2.6	.2						6.9	9.7
NW	.8	2.3	3.7	2.3	.1						9.1	8.5
NNW	.5	1.5	3.5	.9							6.3	7.8
VARIABLE	.8	.8									1.6	3.1
CALM	////////////////////////////////////										.2	////
TOTALS	16.4	28.0	36.0	17.3	1.9						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 888

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.6	6.3	2.0	.1								12.1	4.8
NNE	2.7	3.4	.9									7.0	4.4
NE	1.9	2.9	.8									5.6	4.2
ENE	1.5	1.1	.5	.3								3.4	5.0
E	2.1	2.8	1.7									6.7	4.9
ESE	1.8	1.1	.5									3.4	3.7
SE	.8	.3	.1									1.2	3.2
SSE	.6	.5	.1									1.1	4.3
S	1.0	.8	.5									2.3	4.2
SSW	.7	.5	.5	.1								1.7	5.4
SW	1.5	2.0	1.2	.2								5.0	5.2
WSW	1.8	3.3	3.8	1.1	.1							10.1	6.8
W	.9	3.5	5.9	3.2	.3							13.8	8.3
WNW	.9	2.0	3.4	1.0	.1							7.4	7.4
NW	1.2	3.9	3.5	1.1								9.8	6.8
NNW	1.0	2.4	3.0	1.0	.1							7.6	7.2
VARIABLE	.2	.1										.3	2.7
CALM	////////////////////											1.6	////
TOTALS	24.2	37.0	28.3	8.2	.7							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 887

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.4	1.5	.8	.1							5.7	3.7
NNE	2.2	.8	.1	.1							3.2	3.1
NE	1.9	.8	.6								3.2	3.4
ENE	1.0	.2	.2								1.5	3.0
E	4.4	.8									5.1	2.3
ESE	1.3	.3									1.7	2.3
SE	1.3	.1									1.5	2.2
SSE	1.1										1.1	2.0
S	1.9	.9	.1								2.9	3.4
SSW	3.0	.7	.2	.1							4.0	3.5
SW	3.2	3.6	1.2	.1							8.2	4.6
WSW	6.7	7.9	2.9	.9							18.5	4.9
W	4.9	3.5	3.2	.3							12.0	4.9
WNW	2.6	2.2	1.6	.2							6.6	4.6
NW	5.4	4.1	1.1	.3							11.0	4.1
NNW	3.6	2.0	.2	.2							6.0	3.5
VARIABLE	.8	.2									1.0	2.4
CALM	////////////////////////////////////										6.8	////
TOTALS	48.8	29.6	12.3	2.5							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	2.2	1.5	.1							6.2	4.6
NNE	1.4	1.7	.9	.0							4.1	4.6
NE	1.3	1.4	.5	.1							3.3	4.3
ENE	1.6	1.0	.4	.2							3.1	4.2
E	3.7	1.8	1.1	.2							6.8	4.1
ESE	1.6	.8	.3	.1							2.7	3.6
SE	.9	.3	.1								1.3	3.1
SSE	1.0	.3	.1								1.3	2.9
S	1.4	.7	.2	.0	.0						2.3	3.5
SSW	1.7	.8	.3	.0							2.8	3.6
SW	2.4	2.8	1.5	.2	.0						6.9	4.9
WSW	4.2	5.2	4.8	2.0	.4						16.5	6.5
W	3.9	2.9	3.9	2.3	.3						13.3	6.8
WNW	2.1	1.7	2.2	.8	.1						7.0	6.1
NW	2.6	2.6	2.6	.8	.0						8.5	5.8
NNW	1.7	1.4	1.6	.4	.0						5.2	5.8
VARIABLE	1.6	.3									1.9	2.4
CALM	////////////////////////////////////										6.6	////
TOTALS	35.7	27.7	21.9	7.3	.8						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 7114

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.4	.8	.1									4.2	2.5
NNE	1.4	.2										1.6	2.5
NE	.5	.4										1.0	2.4
ENE	1.3	.4										1.7	2.2
E	1.9	.3										2.5	2.3
ESE	.8											.8	2.7
SE	1.1	.1										1.2	1.8
SSE	.9											.9	2.4
S	1.2	.3	.2									1.7	3.1
SSW	3.1	1.1	.2									4.4	3.0
SW	3.0	3.6	1.2									7.8	4.5
WSW	6.8	5.3	4.9	.3								17.3	4.9
W	7.8	5.2	1.3	.5								14.8	4.0
WNW	7.7	2.5	.8	.1								11.0	3.1
NW	5.5	3.0	.6	.1								9.3	3.4
NNW	4.4	.5	.5									5.5	2.8
VARIABLE													
CALM	////////////////////											14.4	////
TOTALS	50.9	23.8	9.8	1.1								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			
N	2.0	.5	.2									2.8	2.7
NNE	1.4	.2										1.6	2.0
NE	.8	.3										1.1	2.9
ENE	.5											.5	2.4
E	1.8	.1	.1									2.0	1.9
ESE	.8											.8	2.3
SE	1.2		.1									1.3	1.5
SSE	1.0											1.0	1.6
S	1.3											1.3	1.7
SSW	2.6	.9	.1									3.6	2.7
SW	4.6	2.0	1.6	.1								8.4	3.9
WSW	4.9	5.8	3.8	.1								14.6	4.9
W	8.6	3.1	1.2	.8								13.7	3.9
WNW	9.1	3.0	.9	.1								13.1	3.0
NW	5.9	2.6	.4	.1								9.1	3.1
NNW	3.8	.9	.4									5.1	2.8
VARIABLE	.5											.5	1.8
CALM	////////////////////											19.6	////
TOTALS	50.8	19.5	8.8	1.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.1	.9	.3								3.3	2.9
NNE	1.4	.2	.1								1.7	2.3
NE	1.8	.3									2.2	2.2
ENE	1.6	.5	.1								2.3	2.7
E	4.8	1.4	.3								6.5	2.6
ESE	3.6	.2									3.8	1.9
SE	1.5	.4									2.0	2.3
SSE	1.6	.2									1.8	2.2
S	3.3	1.2									4.4	2.4
SSW	2.0	.8	.1								2.8	3.0
SW	3.8	3.7	.9	.1							8.5	3.9
WSW	4.8	5.7	5.2	.7							16.4	5.4
W	5.5	1.8	1.8	.7							9.9	4.0
WNW	3.6	1.5	.4	.3							5.9	3.4
NW	2.3	3.7	.8	.4							7.2	4.5
NNW	2.2	1.7	.5								4.4	3.7
VARIABLE	.4										.4	2.0
CALM	////////////////////										15.6	////
TOTALS	46.2	24.4	10.6	2.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.7	2.0	.2									2.8	4.4
NNE	1.1	1.5	.4									3.0	4.4
NE	2.0	1.3	.7									3.9	5.8
ENE	3.6	1.3	.5	.1								5.5	3.4
E	9.3	4.4	1.6	.1								15.5	3.7
ESE	4.4	1.2										5.6	2.7
SE	1.7	.7										2.4	3.0
SSE	2.1	.3	.2									2.6	3.2
S	1.2	1.8	.3									3.4	4.1
SSW	1.3	1.1	.4									2.8	4.0
SW	.9	3.0	1.8	.1								5.9	5.7
WSW	3.1	3.9	6.0	2.1								15.1	6.8
W	1.6	3.4	2.6	3.7	.3							11.6	8.1
WNW	.8	1.3	1.6	.8								4.4	7.3
NW	1.4	2.0	2.2	.5								6.1	6.4
NNW	.5	2.5	2.2	.4								5.6	6.7
VARIABLE	2.6	.7										3.3	2.3
CALM	////////////////////////////////////											.5	////
TOTALS	38.2	32.3	20.8	7.8	.3							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.3	2.4	2.3								5.9	5.8
NNE	2.3	3.3	.8								6.4	4.4
NE	1.2	2.5	.5								4.2	4.6
ENE	1.3	2.9	.9								5.1	4.8
E	2.3	5.0	3.3	.1							10.7	5.5
ESE	1.1	2.2	1.3								4.5	5.5
SE	.9	.4	.3								1.6	4.5
SSE	.5	.6	.2								1.4	4.6
S	.8	1.0	.4								2.2	4.7
SSW	.6	1.1	.6								2.4	5.2
SW	.4	1.6	1.2	.6							3.9	6.9
WSW	.5	2.6	3.0	2.9	.3						9.4	8.9
W	.9	2.2	4.0	5.7	1.0						13.7	10.3
WNW	.3	.8	1.8	2.6	.2						5.7	10.0
NW	.8	1.7	2.5	1.7							6.7	7.7
NNW	1.7	5.2	3.7	.6							11.2	6.2
VARIABLE	3.7	1.2									4.9	2.8
CALM	////////////////////										.1	////
TOTALS	20.5	36.6	26.9	14.4	1.5						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	4.5	4.7	.4								10.7	6.4
NNE	1.1	3.4	2.5									7.0	5.5
NE	1.6	2.4	.7									4.7	4.4
ENE	1.4	2.9	1.1									5.4	4.9
E	1.6	5.5	3.8									11.0	5.7
ESE	.9	1.6	1.1	.1								3.7	5.6
SE	.3	1.2	.9	.1								2.5	6.6
SSE	.4	.3	.2									1.0	4.4
S	.8	.7	.7									2.1	5.3
SSW		1.0	.3									1.3	5.3
SW	.1	.7	.7	.5								2.0	7.9
WSW	.5	1.3	3.0	2.6	.2							7.7	9.5
W	.3	1.4	5.4	6.1	.5							13.8	10.4
WNW	.7	1.5	2.0	2.6								6.7	9.1
NW	.4	2.4	2.4	2.7	.1							8.0	8.4
NNW	.5	3.4	5.4	1.7								11.1	7.5
VARIABLE	1.1	.2										1.3	2.8
CALM	////////////////////////////////////											.1	////
TOTALS	12.9	34.3	34.8	17.0	.9							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.5	4.9	2.9	.1							11.4	5.1
NNE	2.5	4.9	1.3								8.7	4.3
NE	1.8	2.3	.4								4.6	4.1
ENE	1.5	1.2	.3								3.0	3.9
E	3.8	4.1	2.6								10.5	4.7
ESE	1.8	1.6	.3								3.8	4.0
SE	.5	1.1	.3								1.8	4.5
SSE	.2	.3	.3								.9	5.4
S	.4	.7	.3								1.4	4.8
SSW	1.0	.7	.1								1.7	3.8
SW	.9	1.5	1.1	.1							3.6	5.5
WSW	1.5	2.4	4.0	2.0			.2				10.1	8.1
W	1.1	2.5	4.2	2.3	.3						10.4	8.3
WNW	.5	1.2	2.7	1.3							5.7	8.0
NW	1.8	4.2	3.6	.9							10.5	6.1
NNW	1.8	4.8	3.6	.3							10.5	5.7
VARIABLE	.7										.7	2.2
CALM	////////////////////										.7	////
TOTALS	25.5	38.2	28.2	6.9	.3		.2				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	4.5	1.6	.4								6.6	3.0
NNE	1.7	.9									2.6	2.8
NE	1.4	.4									1.8	2.4
ENE	2.2	.5									2.7	2.6
E	6.8	1.0									7.8	2.2
ESE	1.8	.5									2.4	2.3
SE	.6		.1								.8	3.0
SSE	1.2	.4									1.6	2.7
S	1.4	.6	.2								2.3	3.3
SSW	1.4	.8	.1								2.3	3.2
SW	3.9	3.4	.9	.3							8.5	4.3
WSW	3.9	6.1	4.2	1.1							15.3	5.7
W	4.4	4.0	2.5	.6							11.5	5.0
WNW	4.2	3.4	1.2	.2	.1						9.2	4.2
NW	4.4	5.2	.8	.1							10.5	4.0
NNW	4.4	1.8	.2								6.5	3.1
VARIABLE	.6	.1									.8	2.7
CALM	////////////////////////////////////										1.1	////
TOTALS	48.9	30.9	10.6	2.4	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.2	1.4	.1							6.0	4.6
NNE	1.6	1.8	.6								4.1	4.2
NE	1.4	1.2	.3								2.9	3.8
ENE	1.7	1.2	.4	.0							3.3	3.6
E	4.0	2.7	1.5	.0							8.3	4.1
ESE	1.9	.9	.3	.0							3.2	3.6
SE	1.0	.5	.2	.0							1.7	3.6
SSE	1.0	.3	.1								1.4	3.2
S	1.3	.8	.3								2.3	3.6
SSW	1.5	.9	.3								2.7	3.6
SW	2.2	2.4	1.2	.2							6.1	4.8
WSW	3.3	4.2	4.3	1.5	.1		.0				13.2	6.3
W	3.8	2.9	2.9	2.5	.3						12.4	6.8
WNW	3.4	1.9	1.4	1.0	.0						7.7	5.3
NW	2.8	3.1	1.7	.8	.0						8.4	5.3
NNW	2.4	2.6	2.1	.4							7.5	5.3
VARIABLE	1.2	.3									1.5	2.6
CALM	////////////////////////////////////										7.4	////
TOTALS	36.8	30.0	18.8	6.6	.4		.0				100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 7392

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.7	.8	.3								4.8	2.5
NNE	1.1	.4									1.5	2.4
NE	1.0										1.0	2.1
ENE	1.4										1.4	1.6
E	2.1	.1	.1								2.3	1.9
ESE	1.0	.3									1.3	2.5
SE	.9	.1									1.0	1.9
SSE	.8	.1									.9	2.6
S	2.4	.2									2.6	2.2
SSW	2.0	.8	.1								2.8	2.9
SW	3.7	2.2	.5								6.4	3.6
WSW	7.5	6.1	2.7								16.3	4.2
W	8.8	5.6	2.0	.1	.1						16.6	4.0
WNW	7.8	1.7	1.0	.2							10.7	3.3
NW	5.8	2.2	.3	.4							8.7	3.4
NNW	3.3	.4	.2	.2							4.1	3.1
VARIABLE	.9										.9	1.9
CALM	////////////////////										16.7	////
TOTALS	53.9	21.1	7.3	1.0	.1						100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.7	.6	.3									3.7	2.8
NNE	1.0											1.0	1.2
NE	1.0											1.0	1.7
ENE	.4											.4	1.3
E	1.4	.1										1.5	1.6
ESE	1.1											1.1	1.7
SE	1.0	.1										1.1	1.4
SSE	.5											.5	1.8
S	1.4	.5	.1									2.0	2.7
SSW	2.5	.4										2.9	2.4
SW	4.0	2.6	.6									7.2	3.7
WSW	8.0	5.9	2.3	.1								16.3	4.0
W	9.5	5.7	1.1	.1								16.4	3.4
WNW	7.4	1.4	.9									9.7	2.8
NW	5.7	1.8	.4	.1								8.1	2.8
NNW	2.9	.8	.2	.1								4.0	2.9
VARIABLE	.6	.1										.8	1.7
CALM	////////////////////////////////////											22.4	////
TOTALS	51.1	20.2	5.9	.4								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	.5	.4									3.2	3.2
NNE	1.0	.2										1.2	2.1
NE	1.2	.1										1.3	1.8
ENE	1.0	.4										1.4	2.2
E	2.9	.6										3.6	2.4
ESE	2.9	.1										3.0	1.5
SE	1.9											1.9	1.6
SSE	1.6	.2										1.8	1.9
S	3.6	1.3										4.8	2.4
SSW	2.0	.5	.1									2.7	2.8
SW	3.4	3.3	.5									7.3	3.7
WSW	7.4	5.7	1.7	.6								15.5	4.1
W	6.2	4.1	1.6	.3								12.3	3.8
WNW	4.6	1.8	1.1	.3								7.9	3.7
NW	2.8	1.6	.5	.1								5.1	3.7
NNW	2.4	.2	.5									3.1	3.1
VARIABLE	.9											.9	1.5
CALM	////////////////////////////////////											23.0	////
TOTALS	48.1	20.9	6.6	1.4								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	1.0	.8								3.6	4.0
NNE	1.1	1.2	.2								2.5	3.8
NE	1.5	.8	.2								2.5	3.6
ENE	2.9	.5	.2								3.7	2.9
E	8.2	4.0	.9								13.1	3.4
ESE	6.7	1.4	.5								8.7	2.9
SE	2.4	.5	.1								3.0	2.7
SSE	2.1	1.0	.1								3.1	3.1
S	3.3	1.5	.1								4.9	3.2
SSW	1.6	.4	.2								2.3	3.5
SW	2.2	3.1	1.7	.2							7.3	5.0
WSW	3.6	4.2	4.3	2.0	.1						14.2	6.4
W	3.5	2.6	3.3	2.3	.4						12.0	6.8
WNW	.9	1.0	2.6	.7							5.1	7.4
NW	1.0	1.2	2.7	.4							5.3	6.6
NNW	1.4	1.3	1.3	.1							4.1	5.1
VARIABLE	2.4	.2									2.6	2.2
CALM	////////////////////										2.0	////
TOTALS	46.5	26.0	19.3	5.6	.5						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.8	4.3	2.4	.1							8.6	5.6
NNE	1.1	3.1	1.0								5.2	4.8
NE	1.0	2.3	.4	.1							3.8	4.8
ENE	1.6	1.7	.6	.1							4.1	4.6
E	3.6	3.7	3.6	.2							11.0	5.4
ESE	2.0	1.3	1.0	.1							4.4	4.6
SE	.8	1.0	.4								2.2	4.7
SSE	.4	1.2									1.6	4.1
S	1.2	1.3	.3								2.8	4.2
SSW	.5	1.5	.4								2.5	4.8
SW	1.0	1.5	1.0	.1							3.6	5.4
WSW	.6	2.6	3.3	2.3	.4	.1					9.4	8.8
W	1.3	1.8	4.7	4.6	.4	.2	.1				13.3	9.6
WNW	1.2	1.5	2.0	1.4							6.1	7.4
NW	1.2	2.2	3.4	1.0							7.8	7.1
NNW	1.1	1.8	1.6	1.0							5.5	7.0
VARIABLE	6.0	1.8									7.9	2.8
CALM	////////////////////										.4	////
TOTALS	26.4	34.6	26.3	11.0	.9	.3	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.5	6.5	4.3	.3								12.7	5.9
NNE	1.3	3.8	2.0	.1								7.2	5.3
NE	1.1	2.5	1.4	.1								5.1	5.3
ENE	1.0	2.7	1.0	.2								4.9	5.5
E	2.3	2.6	3.5	.2								8.6	5.8
ESE	1.7	2.1	.7	.2								4.7	4.8
SE	.3	.5		.1								1.0	5.0
SSE	.4	.5	.2	.1								1.3	5.3
S	.2	.9	.2									1.3	4.9
SSW	.3	1.1	.9									2.3	5.7
SW	1.1	1.0	.7									2.7	5.1
WSW	.5	1.8	3.2	1.7	.1							7.4	8.4
W	.5	1.5	4.9	4.2	.7	.1						12.0	9.9
WNW	.2	1.6	1.7	2.2	.3							6.1	9.3
NW	1.1	2.1	3.8	1.8	.1							8.9	7.8
NNW	1.4	3.3	4.2	1.1								10.0	6.9
VARIABLE	2.5	1.0										3.5	2.7
CALM	////////////////////////////////////											.4	////
TOTALS	17.6	35.5	32.6	12.5	1.2	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	4.0	5.5	2.7	.1								12.4	4.7
NNE	2.5	3.7	.8	.1								7.0	4.5
NE	1.3	1.7										3.0	3.6
ENE	2.4	1.5	1.2									5.1	4.3
E	5.0	2.6	1.4	.2								9.2	4.2
ESE	2.6	2.3	.3									5.2	3.8
SE	1.3	.7										2.0	3.0
SSE	.4	.3										.8	3.0
S	.4	.9										1.3	4.2
SSW	.9	.7										1.5	3.5
SW	1.0	1.2	.4		.1							2.7	5.1
WSW	1.2	3.7	2.5	1.5								8.9	6.6
W	1.2	3.5	4.0	2.3	.1							11.1	7.7
WNW	1.1	1.1	2.2	.8								5.1	7.3
NW	2.4	4.9	2.7	.3	.1							10.4	5.5
NNW	2.5	3.8	4.0	.1								10.4	5.7
VARIABLE	.8	.1										.9	2.4
CALM	////////////////////////////////////											3.0	////
TOTALS	30.9	38.1	22.2	5.4	.3							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-07
MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	4.3	1.2	.9									6.4	1.3
NNE	2.0											2.0	1.7
NE	.9	.1	.1									1.1	2.9
ENE	2.2	.3	.1									2.6	2.4
E	5.5	.3										5.9	1.8
ESE	2.6	.2										2.9	1.7
SE	.9											.9	2.0
SSE	.8	.1										.9	2.6
S	1.6	.4		.1								2.2	2.9
SSW	1.8	1.2										3.0	3.2
SW	4.7	2.0	.9									7.5	3.4
WSW	3.9	6.1	3.1	.8								13.9	5.3
W	8.1	4.5	2.3	.2	.1							15.2	4.1
WNW	6.2	2.2	1.8	.2		.1						10.5	4.1
NW	4.6	3.8	.9	.7								9.9	4.4
NNW	3.3	.7	.5	.2								4.7	3.4
VARIABLE	.2	.2										.4	3.8
CALM	////////////////////											10.2	////
TOTALS	53.5	23.2	10.6	2.2	.1	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.8	2.6	1.5	.1							6.9	4.5
NNE	1.4	1.6	.5	.0							3.4	4.2
NE	1.1	.9	.3	.0							2.3	3.9
ENE	1.6	.9	.4	.0							2.9	3.8
E	3.9	1.8	1.2	.1							6.9	4.0
ESE	2.6	1.0	.3	.0							3.9	3.3
SE	1.2	.4	.1	.0							1.6	2.9
SSE	.9	.4	.0	.0							1.4	3.2
S	1.8	.9	.1	.0							2.7	3.1
SSW	1.5	.8	.2								2.5	3.5
SW	2.6	2.1	.8	.0	.0						5.6	4.1
WSW	4.1	4.5	2.9	1.1	.1	.0					12.7	5.5
W	4.9	3.7	3.0	1.8	.2	.0	.0				13.6	5.9
WNW	3.7	1.5	1.7	.7	.0	.0					7.7	5.1
NW	3.1	2.5	1.9	.6	.0						8.0	5.2
NNW	2.3	1.5	1.6	.4							5.7	5.2
VARIABLE	1.8	.4									2.2	2.5
CALM	////////////////////////////////////										9.8	////
TOTALS	41.0	27.4	16.3	4.9	.4	.1	.0				100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 7391

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(1ST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	1.1	.1								3.7	3.1
NNE	.7	.6									1.2	3.1
NE	.6	.6	.1								1.2	4.4
ENE	.9	.2	.1								1.2	3.1
E	2.2										2.2	1.5
ESE	.7										.7	1.6
SE	.6	.1									.7	2.3
SSE	.2										.2	1.5
S	1.9	.2									2.1	2.1
SSW	2.6	.8	.1								3.5	2.9
SW	4.0	4.0	2.8	.1							10.9	4.9
WSW	5.7	5.2	3.3	.9							15.2	5.1
W	10.9	3.3	1.6	.8	.1						16.7	3.6
WNW	6.8	1.3	.9	.2							9.3	3.1
NW	5.5	1.3	.3	.6							7.7	3.2
NNW	2.8	.8									3.6	2.5
VARIABLE	.3	.1									.4	2.3
CALM	////////////////////////////////////										19.4	////
TOTALS	48.8	19.8	9.4	2.6	.1						100.0	1.0

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	1.3									3.6	3.0
NNE	1.2	.4									1.7	2.5
NE	.9	.1	.3								1.2	3.6
ENE	.8		.1								.9	2.1
E	1.3										1.3	1.7
ESE	.8										.8	1.7
SE	1.8										1.8	1.7
SSE	.9	.4									1.3	2.1
S	2.3	.4	.2								3.0	2.6
SSW	1.8	1.2	.1								3.1	3.3
SW	3.0	4.2	1.4								8.7	4.5
WSW	6.1	5.9	3.8	1.3							17.1	5.2
W	8.5	2.7	1.2	.6	.2						13.1	3.6
WNW	5.9	.4	.7	.2		.1					7.3	3.0
NW	6.1	1.2	.8	.6							8.7	3.4
NNW	2.6	1.1	.4								4.1	3.0
VARIABLE	.1										.1	2.0
CALM	////////////////////////////////////										22.0	////
TOTALS	46.2	19.6	9.1	2.7	.2	.1					100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 1R-87
MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	1.7	.2								4.1	3.4
NNE	1.9	.6	.1								2.6	2.5
NE	1.1	.3	.2								1.7	3.1
ENE	1.5	.3	.2								2.0	2.4
E	3.9										3.9	1.7
ESE	1.1										1.1	1.8
SE	1.1	.2									1.3	1.9
SSE	1.6	.2									1.8	1.6
S	3.2	.1									3.3	2.0
SSW	2.5	.8	.2								3.5	3.1
SW	4.0	3.5	2.2	.1							9.8	4.6
WSW	6.6	4.6	4.0	1.3							16.5	5.1
W	6.2	1.8	1.7	.7	.1						10.5	4.1
WNW	3.9	.8	1.0	.7	.1						6.5	4.5
NW	2.6	1.6	.1	.2							4.5	3.4
NNW	2.1	1.2	.4								3.8	3.5
VARIABLE	.8										.8	1.4
CALM	////////////////////////////////////										22.3	////
TOTALS	46.3	17.6	10.5	3.0	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	1.2	.3	.1								3.3	3.8
NNE	1.0	.7	.7									2.3	4.7
NE	1.0	.7	1.0									2.7	5.0
ENE	2.7	.7	.3									3.7	2.8
E	11.6	2.6	1.0	.2								15.4	2.9
ESE	7.8	.9		.1								8.8	2.4
SE	2.6	.1										2.7	2.3
SSE	2.5	.9										3.3	2.8
S	3.6	1.6	.1									5.2	2.9
SSW	1.3	1.8	.4									3.6	4.2
SW	1.5	3.0	2.5	.6								7.5	6.1
WSW	2.3	4.8	5.7	4.1								17.0	7.7
W	1.7	1.8	2.9	2.6	.4	.3						9.7	8.9
WNW	.7	.4	1.2	1.1	.2							3.7	6.3
NW	.8	1.1	.4	.2								2.6	5.7
NNW	1.0	1.2	1.5	.1								3.8	5.4
VARIABLE	1.1											1.1	2.2
CALM	////////////////////											3.6	////
TOTALS	44.8	23.4	18.1	9.2	.7	.3						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.1	2.3	1.7	.1								5.2	5.4
NNE	1.7	2.9	.9									5.5	4.7
NE	1.4	1.3	1.3									4.1	4.9
ENE	2.0	1.4	.4	.1								4.0	4.1
E	4.9	5.0	1.9	1.0	.1							12.9	5.0
ESE	3.6	1.6	.4	.1	.1							5.8	4.1
SE	1.8	.7	.3									2.8	3.4
SSE	.9	1.0	.1									2.0	3.4
S	1.4	.9	.3									2.7	4.0
SSW	.6	1.0	.6	.1								2.2	5.4
SW	.7	2.3	2.8	.8	.3							6.9	7.3
WSW	1.0	3.0	3.3	4.9	.9	.1						13.3	9.7
W	1.1	2.2	2.7	5.8	.9							12.7	10.4
WNW	.7	.9	1.3	1.3	.2	.1						4.6	9.0
NW	.8	1.3	1.6	.8								4.5	6.7
NNW	.8	1.8	1.8	.2								4.6	6.0
VARIABLE	5.3	.6										5.9	2.3
CALM	////////////////////////////////////											.4	////
TOTALS	29.7	30.3	21.5	15.3	2.6	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 7A-87
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.2	5.4	3.8	.1							11.5	5.5
NNE	2.5	5.6	1.8	.1							9.9	4.8
NE	1.7	3.1	1.1								5.9	4.7
ENE	2.6	1.9	1.0	.3							5.8	4.8
E	3.6	3.6	2.9	.3							10.4	5.1
ESE	2.0	1.2	.6	.6							4.4	5.2
SE	1.1	.3	.3								1.9	3.8
SSE	.7		.2								.9	3.4
S	.8	.3	.1								1.2	3.2
SSW	.7	.6	.3	.1							1.7	4.7
SW	.4	1.0	2.2	.7							4.4	7.4
WSW	.8	1.3	5.1	5.4	.6						13.2	9.9
W	.8	1.3	3.9	4.2	.8	.1					11.2	10.2
WNW		.3	1.2	2.6	.1						4.2	11.3
NW	.6	.9	2.1	.4	.1						4.1	7.4
NNW	.3	4.0	2.2	.3							6.9	6.4
VARIABLE	1.8	.1									1.9	2.5
CALM	////////////////////										.6	////
TOTALS	22.5	31.1	29.1	15.2	1.6	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	6.7	5.4	.8								12.9	3.6
NNE	4.3	2.0	.3								6.6	3.3
NE	1.8	1.9	.4								4.1	4.2
ENE	1.8	1.2	.3	.1							3.5	4.0
E	4.0	2.7	.3								7.1	3.5
ESE	1.9	1.6	.4								3.9	3.9
SE	1.0	.7	.1								1.8	3.1
SSE	.6	.1									.7	2.7
S	1.5	.7	.4								2.6	3.9
SSW	1.1	1.2	.1								2.5	3.8
SW	1.2	1.5	1.2	.2							4.1	5.4
WSW	1.9	5.0	5.0	1.9	.2						14.1	7.0
W	2.8	3.2	4.6	1.3							12.0	6.4
WNW	1.8	1.3	.9	.9							4.9	5.7
NW	2.5	2.1	1.7	.2							6.5	5.0
NNW	4.3	2.2	.8	.1							7.4	3.9
VARIABLE	.4	.1									.6	2.4
CALM	////////////////////										4.8	////
TOTALS	39.5	33.0	17.6	4.8	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS (LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.0	1.2	.1								4.3	2.7
NNE	1.0	.8									1.8	3.3
NE	.7	.4	.6								1.7	4.0
ENE	1.4	.6	.1								2.1	2.6
E	3.8	.7									4.5	2.1
ESE	1.0		.1								1.1	2.2
SE	.2	.4									.7	3.3
SSE	.6	.6									1.1	3.3
S	2.7	.2	.1								3.0	2.2
SSW	2.6	.8									3.3	2.6
SW	4.7	4.7	1.8	.1							11.2	4.1
WSW	6.1	6.9	3.8	.4							17.3	5.0
W	9.8	3.0	1.1	.6	.1						14.6	3.7
WNW	7.2	1.3	1.3	.4	.2						10.6	4.1
NW	4.5	2.0	.4	.3							7.2	3.7
NNW	2.2	.7	.7								3.6	3.5
VARIABLE	.6										.6	1.8
CALM	////////////////////////////////////										11.4	////
TOTALS	52.0	24.3	10.1	1.9	.3						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.7	2.5	.9	.0								6.1	4.1
NNE	1.8	1.7	.5	.0								3.9	4.0
NE	1.1	1.1	.6									2.8	4.4
ENE	1.7	.8	.3	.1								2.9	3.6
E	4.4	1.8	.8	.2	.0							7.2	3.6
ESE	2.4	.7	.2	.1	.0							3.3	3.4
SE	1.3	.3	.1									1.7	2.8
SSE	1.0	.4	.0									1.4	2.7
S	2.2	.6	.2									2.9	2.8
SSW	1.6	1.0	.2	.0								2.9	3.6
SW	2.4	3.0	2.1	.3	.0							7.9	5.3
WSW	3.8	4.6	4.3	2.5	.2	.0						15.5	6.7
W	5.2	2.4	2.5	2.1	.3	.1						12.6	6.1
WNW	3.4	.9	1.1	.9	.1	.0						6.4	5.3
NW	2.9	1.5	.9	.4	.0							5.7	4.5
NNW	2.0	1.6	1.0	.1								4.7	4.4
VARIABLE	1.3	.1										1.4	2.2
CALM	////////////////////											10.6	////
TOTALS	41.2	24.9	15.7	6.8	.7	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 7170

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.9	1.3	.3								3.6	3.4
NNE	1.3	.7	.2								1.8	2.7
NE	.4	.2									.6	1.2
ENE	1.3	.2	.2								1.7	2.8
E	4.2	1.8	.1								6.2	2.8
ESE	1.5	.4	.2								2.2	2.9
SE	1.3	.3									1.6	2.3
SSE	.9	.2	.1								1.2	2.6
S	3.5	.8	.2								4.4	2.6
SSW	2.6	1.5	.2								4.3	3.5
SW	3.2	3.7	3.0	.5							10.5	5.3
WSW	4.0	3.3	3.5	1.2	.3	.4					12.7	6.5
W	7.8	2.5	1.4	.4	.3	.1					12.5	4.1
WNW	4.2	1.0	.2	.1							5.5	2.7
NW	4.4	1.3	.5								6.3	2.8
NNW	2.7	.6	.6	.1							4.1	3.4
VARIABLE	.8										.8	1.7
CALM	////////////////////										20.0	////
TOTALS	46.0	19.5	10.9	2.4	.6	.5					100.0	3.2

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-87
MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.4	1.6	.2									5.2	3.1
NNE	1.5	.3	.1									1.9	2.9
NE	1.0	.2										1.2	2.2
ENE	1.7	.1										1.8	1.6
E	3.5	.3	.3	.5								4.7	3.4
ESE	3.0	.3										3.4	2.1
SE	1.2	.2	.1									1.5	2.7
SSE	1.4	.4										1.8	2.6
S	3.2	.6	.2									4.1	2.8
SSW	3.9	1.7	.1	.1								5.8	2.9
SW	2.9	3.9	2.3	.4								9.5	5.2
WSW	3.5	3.8	2.7	1.8	.5	.1						12.4	6.6
W	6.5	1.8	1.5	.4	.1							10.4	4.0
WNW	4.9	.8	.4	.1								6.2	2.8
NW	3.4	.9	.8									5.0	3.2
NNW	2.7	.4	.4	.1								3.7	3.2
VARIABLE	.9											.9	1.8
CALM	////////////////////											20.5	////
TOTALS	48.5	17.5	9.2	3.6	.6	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.8	.2	.4								4.4	2.6
NNE	1.9	.4	.2								2.6	2.8
NE	1.6	.3	.1								2.0	2.9
ENE	1.5	.3	.2								2.0	2.8
E	3.6	1.3	.4	.1							5.4	3.3
ESE	2.9	.3									3.2	2.1
SE	1.5	.4									1.9	2.5
SSE	2.0	1.0									3.0	2.8
S	2.9	.8									3.7	2.5
SSW	3.0	2.2	.5								5.7	3.4
SW	3.6	4.2	2.9	.2							10.9	5.0
WSW	4.8	2.7	4.1	1.0	.5	.1					13.2	6.2
W	4.2	1.5	.6	.5		.1					7.0	4.3
WNW	4.1	.6	.2	.1	.1	.1					5.3	3.2
NW	3.0	.1	.6								3.8	3.4
NNW	2.3	.2	.3								2.8	2.8
VARIABLE	.2										.2	1.5
CALM	////////////////////////////////////										22.8	////
TOTALS	46.9	16.6	10.8	1.9	.6	.3					100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.9	1.1	.4									3.4	2.4
NNE	1.5	.6	.1									2.2	2.4
NE	1.5	.4	.3									2.3	3.3
ENE	2.3	.6	.3	.1								3.3	3.4
E	10.3	2.7	1.7	.8								15.5	3.9
ESE	7.4	1.6	.2	.1								9.4	2.7
SE	2.7	.1	.1									2.9	2.3
SSE	2.4	1.3										3.7	3.1
S	4.1	2.3	.3									6.7	3.2
SSW	2.4	1.9	1.3									5.6	4.4
SW	2.6	3.1	4.2	.5								10.5	6.0
WSW	1.8	3.3	4.7	3.4	1.2	.1						14.7	8.9
W	1.5	1.0	1.3	.6	.2	.2	.1					5.0	7.8
WNW	.8	.3	.4	.1								1.6	4.8
NW	1.0	.9	.6	.1								2.6	5.0
NNW	.9	.6	.6									2.2	4.6
VARIABLE	.6											.6	2.2
CALM	////////////////////////////////////											7.9	////
TOTALS	45.7	22.0	16.8	5.8	1.4	.3	.1					100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(1ST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.4	1.8	.9									4.1	4.5
NNE	1.3	1.7	1.5									4.5	4.9
NE	1.9	1.2	.5									3.7	4.1
ENE	2.5	1.6	1.0	.1								5.2	4.6
E	8.7	5.9	2.8	1.5	.1							19.1	4.9
ESE	4.3	1.3	.8	.3								6.7	5.4
SE	1.7	.6	.2									2.6	3.1
SSE	2.3	1.1	.3									3.7	3.1
S	1.6	2.0	.4									4.1	3.7
SSW	.9	1.5	.6									3.3	4.4
SW	1.5	4.1	3.3	.5		.2						9.7	6.6
WSW	1.1	2.5	4.7	5.4	1.4	.4						15.5	10.5
W	1.0	1.5	1.6	2.4	.4	.2	.4					7.6	10.3
WNW	.2	.6	.6	1.0								2.5	5.8
NW	.4	1.2	1.0	.6								3.2	7.2
NNW	.6	1.0	.3	.1								2.0	4.6
VARIABLE	1.7	.1										1.8	1.9
CALM	////////////////////											1.0	////
TOTALS	33.2	29.9	20.7	12.0	1.9	.9	.4					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.7	4.4	2.3								9.4	5.0
NNE	2.7	5.4	1.8								9.9	4.7
NE	1.7	1.1	.2								3.0	3.9
ENE	1.9	1.5	.9	.2							4.5	4.7
E	4.3	5.0	4.1	1.6							15.0	6.0
ESE	3.8	2.2	1.0	.3	.1						7.3	4.6
SE	2.0	1.2	.3								3.6	3.4
SSE	1.2	1.4	.4								3.0	4.1
S	1.6	.6									2.3	3.0
SSW	.4	1.5	.1								2.0	4.6
SW	1.6	3.0	2.0	.8	.2						7.7	6.2
WSW	.9	3.2	3.9	3.2	1.3	.4					12.9	9.8
W	.3	.9	2.7	2.2	.8	.1					6.9	10.6
WNW	.2	1.1	1.7	.6	.1						3.8	8.0
NW	.8	1.2	1.1	.6							3.7	6.5
NNW	.6	1.5	1.2	.1							3.5	5.8
VARIABLE	.4										.4	1.5
CALM	////////////////////////////////////										1.1	////
TOTALS	27.3	35.2	23.7	9.7	2.5	.5					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	4.0	3.5	.9								8.3	3.6
NNE	1.7	.5	.3								2.6	3.4
NE	.3	.8	.1								1.2	4.7
ENE	1.2	.8	.4								2.4	4.1
E	5.3	4.2	2.4	.2							12.1	4.4
ESE	3.9	1.9	.1								5.9	3.1
SE	1.4	.5									1.9	2.6
SSE	1.7	.5									2.3	2.4
S	3.1	1.0	.2								4.3	3.2
SSW	1.8	1.3	.4								3.6	3.8
SW	2.3	2.6	2.4	.4							7.7	5.5
WSW	3.0	5.2	3.1	1.3	.5						13.2	6.5
W	3.6	2.3	2.5	.4	.5						9.3	5.9
WNW	2.8	1.3	1.2	.1							5.4	4.4
NW	4.3	2.2	.3	.2	.2						7.2	3.9
NNW	2.3	1.6	.5	.2							4.6	4.2
VARIABLE	.8										.8	1.3
CALM	////////////////////////////////////										7.2	////
TOTALS	43.5	30.1	14.9	2.9	1.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.2	.9	.4								4.5	3.0
NNE	1.1	.2	.1								1.4	2.7
NE	1.3	.5									1.8	2.5
ENE	1.3	.4	.5								2.3	3.7
E	4.6	1.7	.4								6.8	3.1
ESE	2.3	.9	.4								3.6	3.2
SE	1.6	.1	.2								1.9	2.8
SSE	1.3	.2									1.5	2.6
S	2.0	.6	.1								2.8	2.8
SSW	3.2	1.9	.4								5.6	3.4
SW	4.3	2.3	2.6	.5							9.7	4.9
WSW	5.2	3.9	4.0	1.9	.2	.2					15.4	6.2
W	6.1	2.8	1.3	.6	.5						11.4	4.7
MNW	5.7	.6	.6								7.0	2.8
NW	6.3	1.3	.4								8.0	2.7
NNW	2.3	.5	.3								3.1	3.0
VARIABLE	.2										.2	1.5
CALM	////////////////////										12.8	////
TOTALS	52.1	19.0	12.0	3.1	.8	.2					100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.8	1.8	.7									5.4	3.7
NNE	1.6	1.2	.6									3.4	3.9
NE	1.7	.6	.2									2.0	3.5
ENE	1.7	.7	.4	.1								2.9	3.8
E	5.6	2.9	1.5	.6	.0							10.6	4.3
ESE	3.6	1.1	.3	.1	.0							5.2	3.2
SE	1.7	.4	.1									2.3	2.8
SSE	1.6	.8	.1									2.5	3.1
S	2.8	1.1	.2									4.0	3.0
SSW	2.3	1.7	.5	.0								4.5	3.7
SW	2.8	3.4	2.8	.5	.0	.0						9.5	5.6
WSW	3.0	3.5	3.8	2.4	.8	.2						13.8	7.7
W	3.9	1.8	1.6	1.0	.4	.1	.1					8.8	6.0
WNW	2.9	.8	.7	.3	.0	.0						4.7	4.1
NW	2.9	1.1	.7	.2	.0							5.0	3.9
NNW	1.8	.8	.6	.1								3.3	3.9
VARIABLE	.7	.0										.7	1.8
CALM	////////////////////////////////////											11.7	////
TOTALS	42.9	23.7	14.9	5.2	1.2	.4	.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 7414

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	1.1	.3								4.0	3.3
NNE	1.0	.4	.3	.1							1.9	4.3
NE	.9	.2	.7	.4							2.2	5.7
ENE	2.0		.9	.7							3.6	5.4
E	2.4	1.3	1.0								4.8	4.0
ESE	2.3	.4	.2								3.0	2.7
SE	.9										.9	2.1
SSE	1.1	.3									1.4	2.6
S	3.4	1.2									4.7	2.7
SSW	3.9	1.8	.1								5.8	3.0
SW	3.6	2.3	3.0	.7		.1					9.7	5.7
WSW	5.3	2.7	2.6	3.4	1.3	.1	.1				15.6	7.6
W	6.0	.9	1.8	1.9	.3						10.9	5.6
WNW	4.6	1.0	1.1	.1	.1						6.9	3.8
NW	2.8	1.0	.8	.1							4.7	3.8
NNW	2.3	.3	.1	.1							2.9	2.7
VARIABLE	.3										.3	1.3
CALM	////////////////////////////////////										16.8	////
TOTALS	45.5	15.1	12.9	7.6	1.8	.2	.1				100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	2.2	.4	.2								5.2	4.0
NNE	1.7	.7	.7									3.0	4.0
NE	1.7	.4	.6	.6								3.2	4.8
ENE	.8	.3	.8	.2								2.1	5.9
E	2.6	1.1	.4	.3								4.4	4.1
ESE	2.6	.1	.2									2.9	2.6
SE	.6	.2										.8	3.0
SSE	1.8	.6										2.3	2.6
S	4.9	.9										5.8	2.3
SSW	4.1	1.1	.2									5.5	2.9
SW	5.1	2.2	2.4	1.3	.1							11.2	5.5
WSW	3.1	3.0	3.8	2.2	.1	.4	.1					12.8	7.6
W	4.4	.7	2.0	1.8	.2	.2						9.3	6.5
WNW	4.3	.9	.7	.3	.1							6.3	3.9
NW	2.6	.7	.9	.1								4.2	3.9
NNW	1.3	.2	.4									2.0	3.4
VARIABLE	.7											.7	1.5
CALM	////////////////////											18.1	////
TOTALS	44.5	15.4	13.6	7.1	.6	.7	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV HOURS: 1100-1159

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	2.0	.6	.3							4.4	5.0
NNE	1.0	.1	.7								1.9	4.6
NE	1.6		1.3	.4							3.3	5.6
ENE	1.0	.2	1.1	.6							2.8	6.2
E	2.7	.7	.4	.2							4.0	3.5
ESE	3.4	.6	.2								4.2	2.4
SE	2.0	.3	.2								2.6	3.0
SSE	1.9	.7									2.6	2.5
S	4.6	.7	.2								5.5	2.4
SSW	3.2	.7	.1								4.0	2.6
SW	4.3	3.1	2.9	1.3							11.7	5.7
WSW	3.9	2.4	2.7	2.8	.1	.4					12.3	7.2
W	4.2	.9	2.2	.7	.2	.2	.1				8.6	6.1
WNW	1.9	1.0	1.2	.4	.1						4.7	5.7
NW	2.7	1.2	1.0	.1							5.0	4.0
NNW	2.2	.4	.2	.2							3.1	3.6
VARIABLE	.8										.8	1.9
CALM	////////////////////										18.7	////
TOTALS	42.9	14.9	15.1	7.1	.4	.7	.1				100.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.7	1.5	.7	.3								4.1	4.9
NNE	1.6	1.5	.4	.2								3.7	4.6
NE	1.8	.2	.6	.2								2.8	4.4
ENE	2.5	.3	.8	1.0								4.6	5.4
E	6.8	.7	1.0	.7								9.2	3.9
ESE	5.8	.8	.2									6.8	2.4
SE	2.6	.6										3.1	2.4
SSE	3.0	1.1	.1									4.2	2.7
S	4.4	1.9	.1									6.4	3.1
SSW	1.5	1.7	.4									3.6	3.8
SW	2.1	3.2	2.5	1.7								9.5	6.6
WSW	3.2	2.7	4.9	3.8	.6							15.2	8.0
W	1.8	1.8	1.9	1.3	.3	.7						7.8	8.9
WNW	1.2	.3	.9	.8								3.2	6.7
NW	1.0	1.7	.2	.2								3.1	4.8
NNW	.9	.8	.6	.1								2.3	5.1
VARIABLE	.4											.4	2.0
CALM	////////////////////											9.8	////
TOTALS	42.2	20.7	15.3	10.4	.9	.7						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.5	1.6	1.0	.1								4.1	4.8
NNE	1.7	1.8	1.3	.3								5.2	5.4
NE	1.3	.4	.4	.7								2.9	5.7
ENE	2.8	.4	.9	.7								4.8	4.8
E	11.2	3.4	2.1	1.8	.1							18.6	4.3
ESE	7.7	.8	.4	.2								9.2	2.7
SE	1.9	.6	.2									2.7	3.0
SSE	2.0	1.1	.1									3.3	3.3
S	2.2	1.8	.2									4.3	3.5
SSW	.7	.8	.6	.1								2.1	5.3
SW	1.3	1.6	3.1	1.8	.1							8.0	7.8
WSW	2.1	2.9	5.5	4.1	1.2	.1						16.0	9.1
W	.4	.4	3.1	2.4	.9	.3						7.6	11.5
WNW	.7	.8	1.0	1.3								3.8	8.6
NW	.9	1.1	.6									2.6	5.0
NNW	.3	.8	1.0									2.1	6.1
VARIABLE	.7											.7	1.5
CALM	////////////////////////////////////											2.0	////
TOTALS	39.6	20.3	21.7	13.6	2.4	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.2	3.5	1.3									7.0	4.6
NNE	2.8	2.3	.8	.1								6.0	4.1
NE	2.6	1.6	.7	.6	.2							5.6	5.1
ENE	2.1	.9	.9	.7	.2							4.8	6.2
E	5.7	4.3	3.6	1.1								14.7	5.2
ESE	4.4	1.0	.6									5.9	3.1
SE	.9	.4										1.3	2.8
SSE	.9	1.0	.2									2.1	4.3
S	2.1	1.3	.6									4.0	3.8
SSW	1.6	1.3	.8		.1							3.8	4.6
SW	1.9	2.8	1.9	1.2	.1							7.9	6.7
WSW	2.3	2.8	5.5	3.2	.9	.1						14.9	8.5
W	1.1	1.6	3.1	2.3	.3	.1	.1					8.7	9.1
WNW	.3	.8	.8	.7								2.6	7.6
NW	.6	1.3	1.0	.2								3.1	6.3
NNW	.9	1.2	.7	.1								2.9	5.1
VARIABLE	.3											.3	1.3
CALM	////////////////////////////////////											4.1	////
TOTALS	32.8	28.2	22.4	10.3	1.9	.2	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.1	2.5	.9	.1	.1						6.7	4.2
NNE	1.6	.8	.2	.1							2.7	3.8
NE	1.3	.8	1.1	.2	.2						3.7	6.2
ENE	1.3	.7	.9	.8							3.7	6.4
E	5.4	2.9	.9	.1	.1						9.4	3.8
ESE	2.1	1.2	.4								3.8	3.8
SE	1.3	.2									1.6	2.6
SSE	.7	.7									1.3	3.2
S	3.6	1.2	.1								4.9	3.1
SSW	2.5	3.7	.3								6.5	4.0
SW	2.7	2.7	2.1	1.0	.1						8.6	6.1
WSW	3.6	2.8	3.9	2.8	.6	.1					13.7	7.7
W	3.9	2.7	1.6	1.1	.2						9.5	5.8
WNW	3.7	1.6	.7	.4	.2						6.6	4.7
NW	2.5	2.0	.4	.2							5.1	3.9
NNW	2.0	1.1	.4								3.6	3.5
VARIABLE	.7										.7	1.8
CALM	////////////////////										8.9	////
TOTALS	41.9	27.5	14.1	6.9	1.6	.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	3.3	1.7	.9									5.9	3.4
NNE	1.2	.4	.4									2.1	3.8
NE	1.3	.6	.4	.3								2.7	5.1
ENE	1.9	.8	1.0	.9								4.6	6.1
E	4.1	1.3	.6	.3								6.3	3.5
ESE	3.4	.4	.1	.1								4.1	2.5
SE	2.0	.3										2.3	2.3
SSE	.4	.1										.6	2.6
S	3.1	1.1										4.2	2.9
SSW	2.4	1.9	.4									4.8	3.8
SW	4.2	2.6	3.1	1.7								11.6	6.1
WSW	5.5	3.2	4.0	1.9	.9		.1					15.6	6.7
W	4.8	2.0	1.4	1.7	.1							10.0	5.6
WNW	2.7	1.2	.9	.2	.1							5.1	4.5
NW	3.1	1.8	.4									5.3	3.5
NNW	2.0	1.0	.3									3.3	3.1
VARIABLE	.3											.3	1.3
CALM	////////////////////////////////////											11.1	////
TOTALS	45.9	20.5	14.1	7.1	1.1		.1					100.0	4.2

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	2.3	2.0	.8	.1	.0							5.2	4.2
NNE	1.6	1.0	.6	.1								3.3	4.4
NE	1.6	.5	.7	.4	.1							3.3	5.3
ENE	1.8	.4	.9	.7	.0							3.9	5.8
E	5.1	2.0	1.3	.6	.0							8.9	4.2
ESE	4.0	.7	.3	.0								5.0	2.8
SE	1.5	.3	.1									1.9	2.6
SSE	1.5	.7	.1									2.2	3.0
S	3.5	1.3	.2									5.0	2.9
SSW	2.5	1.6	.4	.0	.0							4.5	3.7
SW	3.2	2.6	2.6	1.3	.1	.0						9.8	6.2
WSW	3.6	2.8	4.1	3.0	.7	.2	.0					14.5	7.8
W	3.3	1.4	2.1	1.6	.3	.2	.0					9.1	7.2
WNW	2.4	.9	.9	.5	.1							4.9	5.3
NW	2.0	1.4	.7	.1								4.2	4.2
NNW	1.5	.7	.5	.1								2.8	4.0
VARIABLE	.5											.5	1.6
CALM	////////////////////											11.1	////
TOTALS	41.9	20.3	16.1	8.8	1.3	.4	.1					100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 7173

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: DEC HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.5	.6	.3								2.5	3.7
NNE	1.7	1.4	.1								3.2	3.3
NE	1.5	.4	.1	.1							2.2	3.3
ENE	1.2	.3	.2	.4							2.2	5.6
E	3.3	1.0	.6	.5							5.5	4.1
ESE	2.6	.6		.2							3.4	2.6
SE	1.9	.8									2.7	2.4
SSE	.9	.2									1.1	2.6
S	2.5	1.2	.1								3.8	3.3
SSW	2.7	2.4	1.0	.3							6.4	4.6
SW	3.3	2.6	5.3	1.5							12.7	6.6
WSW	3.4	4.4	4.6	3.1	1.4	.3					17.3	8.3
W	4.4	1.9	1.8	1.4	.4	.2					10.2	6.4
WNW	1.7	1.2	1.3	.8	.2						5.2	6.1
NW	2.7	.9	.5	1.1	.1						5.3	5.4
NNW	1.3	.4	.1								1.8	2.8
VARIABLE	1.0										1.0	1.7
CALM	////////////////////										13.7	////
TOTALS	37.7	20.3	16.1	9.5	2.2	.5					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.9	.3	.3									2.6	2.7
NNE	1.4	.5	.1	.1								2.2	3.5
NE	1.1	.1	.6	.1								1.9	4.7
ENE	1.2		.5	.4								2.2	5.2
E	2.2	.9	1.0	.1								4.1	4.3
ESE	2.9	.6	.2	.2								4.0	3.3
SE	1.1	.9										1.9	3.5
SSE	1.6	.3										1.9	2.1
S	3.1	1.5	.1									4.7	2.9
SSW	2.3	1.5	.5	.1								4.4	3.8
SW	3.7	3.9	5.6	1.4	.2	.1						14.9	6.5
WSW	4.5	4.2	4.6	3.8	1.8	.2						19.2	8.3
W	4.0	1.3	2.2	1.3	.2							9.0	5.9
WNW	3.0	.8	.9	.5	.2	.2						5.6	5.8
NW	1.8	.5	.8	.5	.1							3.8	5.3
NNW	2.3	.9	.4									3.6	3.4
VARIABLE	1.0											1.0	1.6
CALM	////////////////////////////////////											13.1	////
TOTALS	39.1	18.2	17.9	8.6	2.6	.5						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.6	.6	.1								3.3	2.6
NNE	1.1	.2									1.3	2.0
NE	1.2	.1	1.0	.2							2.5	5.2
ENE	1.4	.2	.6	.1							2.4	4.3
E	4.3	1.2	1.1	.2							6.8	3.6
ESE	3.3	.3	.3								4.0	2.8
SE	1.6	.4									2.0	2.7
SSE	1.8	.2									2.0	2.0
S	4.7	1.6	.1								6.5	2.6
SSW	2.7	.9	.5	.3							4.4	4.3
SW	3.4	3.4	4.7	3.0	.5						15.2	7.2
WSW	2.8	3.0	4.7	3.4	1.5	.1					15.6	6.7
W	3.7	2.4	1.9	1.5	.4	.2					10.1	6.6
WNW	1.3	.4	.4	.4	.2	.2					3.0	7.4
NW	1.9	.4	.4	.3	.1						3.2	4.8
NNW	2.4	.8	.5	.2							3.9	3.6
VARIABLE	1.1										1.1	2.2
CALM	////////////////////										12.7	////
TOTALS	41.3	16.3	16.6	9.8	2.8	.5					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.0	.5	.5								4.1	1.2
NNE	1.3	.9	.2								2.4	3.1
NE	1.3	.2	.8								2.3	4.4
ENE	1.4	.7	.4	.3							2.8	4.6
E	5.7	1.3	1.3	.1							8.4	3.5
ESE	4.4	.7	.5								5.5	2.6
SE	1.7		.2								2.0	2.8
SSE	1.7	.8	.1								2.6	2.8
S	4.5	2.5	.3								7.3	3.2
SSW	1.3	1.7	.5	.1							3.7	4.8
SW	2.7	4.1	4.8	3.0	.3						15.0	7.4
WSW	1.7	3.5	4.6	4.0	1.0	.1					14.9	8.9
W	2.1	1.6	2.9	1.4	.4	.2	.1				8.8	8.2
WNW	1.3	.5	.9	.9							3.6	6.8
NW	1.1	.5	.7	.7							2.9	6.0
NNW	1.5	.4	.8								2.7	4.0
VARIABLE	1.0	.1									1.1	2.5
CALM	////////////////////////////////////										9.8	////
TOTALS	37.8	20.1	19.6	10.6	1.7	.3	.1				100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.1	.8	.2								2.0	3.8
NNE	1.2	.9	.2								2.3	3.5
NE	1.0	.4	.4								1.8	4.1
ENE	1.8	.4	.9	.2							3.3	4.5
E	8.7	2.2	1.9	.4							13.3	3.8
ESE	7.7	1.2	.8	.1							9.7	3.0
SE	2.4	.2	.1								2.7	2.3
SSE	1.5	1.3	.1								2.9	3.4
S	2.4	1.8	.3								4.5	3.8
SSW	1.4	1.2	.8	.2	.1		.1				3.8	5.9
SW	1.2	3.0	5.1	3.9	.3	.1					13.6	8.6
WSW	1.4	3.6	4.8	5.6	1.5	.5					17.5	10.2
W	.9	1.7	3.0	2.7	1.1	.5	.2				10.1	10.7
WNW	.9	.3	.8	1.0							2.9	7.9
NW	.4	.6	.5	.4							2.0	6.6
NNW	.9	1.0	.8								2.6	4.7
VARIABLE	.4										.4	1.5
CALM	////////////////////										4.5	////
TOTALS	35.1	20.6	20.7	14.5	3.0	1.2	.3				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	1.6	1.5	.6									3.8	4.2
NNE	1.5	.5	.3									2.4	3.7
NE	1.2	.3	.8									2.3	4.7
ENE	1.7	.8	1.4	.1								4.0	5.0
E	5.1	3.5	2.5	.1								11.1	4.4
ESE	4.3	1.6	.4									6.4	3.1
SE	2.3	.9	.1									3.2	2.8
SSE	1.8	.9										2.7	3.0
S	3.2	2.6		.1								5.9	3.5
SSW	2.8	.9	.3									4.0	3.3
SW	1.3	4.7	3.7	2.5	.4	.1						12.7	8.0
WSW	1.6	3.0	5.3	6.3	1.2	.2						17.6	9.8
W	1.7	1.2	2.4	3.7	.9							9.8	7.7
WNW	.9	.6	1.1	.9	.1							3.6	7.7
NW	.3	1.0	1.0	.4								2.7	7.0
NNW	.9	.5	.1									1.5	3.7
VARIABLE	.4											.4	1.3
CALM	////////////////////											5.9	////
TOTALS	32.7	24.5	20.0	14.0	2.6	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: DEC HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.5	.6	.6								3.8	3.5
NNE	1.4	.9									2.3	3.2
NE	1.1	.3	1.1								2.5	4.9
ENE	1.3	.3	.5	.1							2.3	4.3
E	3.6	2.4	1.3								7.7	3.9
ESE	3.6	1.1	.4								5.1	3.0
SE	1.6	.4									2.0	2.4
SSE	2.4	.4									2.8	2.4
S	4.6	2.5	.4								7.5	3.3
SSW	2.8	3.1	.3								6.2	3.9
SW	3.4	3.4	3.6	2.5	.3	.1					13.4	7.2
WSW	3.6	3.4	5.2	4.2	1.7	.2					18.3	8.8
W	2.6	2.4	1.7	1.8							8.5	6.5
WNW	1.6	1.1	.6	.5	.1		.1				4.1	6.6
NW	1.4	1.3	.6	.2	.1						3.7	5.4
NNW	2.3	.4		.1							2.8	3.1
VARIABLE	1.2										1.2	1.5
CALM	////////////////////										6.4	////
TOTALS	40.8	24.1	16.5	9.5	2.3	.3	.1				100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	1.6	.9	.3								2.8	3.5
NNE	2.1	.5	.3								2.9	3.3
NE	.9	.3	.3								1.5	3.9
ENE	1.0	.5	.6	.4							2.6	5.8
E	3.9	1.1	.9	.1							5.9	3.3
ESE	2.2	1.0	.1								3.2	2.7
SE	2.1	.2	.1								2.4	2.3
SSE	1.5	.3	.2								2.1	2.6
S	4.0	1.9	.2								6.2	2.9
SSW	2.6	2.6	.6								5.8	4.0
SW	4.2	5.5	3.9	2.2	.1						15.9	6.3
WSW	3.1	3.2	5.1	3.7	1.5	.3					17.0	8.6
W	4.8	2.6	1.6	1.4	.5	.2					11.1	6.1
WNW	2.3	.6	.8	.8	.1	.1					4.6	5.9
NW	1.7	1.5	1.1	.6	.1						5.1	6.0
NNW	1.2	.3	.3	.1							1.9	4.3
VARIABLE	.4										.4	1.5
CALM	////////////////////////////////////										8.5	////
TOTALS	39.4	23.2	16.5	9.3	2.4	.6					100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 56	TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			
N	2.0	.7	.4									3.1	3.4
NNE	1.5	.7	.2	.0								2.4	3.3
NE	1.1	.3	.6	.1								2.1	4.4
ENE	1.4	.4	.7	.3								2.7	4.9
E	4.6	1.7	1.3	.2								7.8	3.9
ESE	3.9	.9	.4	.1								5.2	2.9
SE	1.8	.5	.1									2.4	2.6
SSE	1.7	.6	.1									2.3	2.7
S	3.6	2.0	.2	.0								5.8	3.2
SSW	2.3	1.8	.6	.1	.0		.0					4.8	4.3
SW	2.9	3.8	4.6	2.5	.3	.1						14.2	7.2
WSW	2.8	3.5	4.9	4.3	1.5	.3						17.2	8.9
W	3.0	1.9	2.2	1.9	.5	.2	.0					9.7	7.5
WNW	1.6	.7	.8	.7	.1	.1	.0					4.1	6.6
NW	1.4	.8	.7	.5	.1							3.6	5.7
NNW	1.6	.6	.4	.1								2.6	3.7
VARIABLE	.8	.0										.8	1.8
CALM	////////////////////											9.3	////
TOTALS	38.0	20.9	18.0	10.7	2.4	.6	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 7413

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	2.3	2.1	1.2	.1	.0						5.7	4.5
NNE	1.5	1.5	.7	.1	.0						3.7	4.4
NE	1.2	1.0	.7	.2	.0						3.1	4.9
ENE	1.6	.9	.7	.3	.0			.0			3.5	4.9
E	4.4	2.5	1.8	.5	.0						9.2	4.7
ESE	2.7	.9	.3	.1	.0						4.1	3.4
SE	1.2	.4	.1	.0							1.7	3.6
SSE	1.2	.5	.1	.0	.0						1.8	3.1
S	2.1	1.0	.2	.0	.0						3.4	3.3
SSW	1.8	1.2	.4	.1	.0		.0				3.4	4.0
SW	2.3	2.8	2.6	1.1	.1	.0					8.9	6.3
WSW	3.0	3.6	4.2	2.9	.7	.1	.0	.0			14.5	7.8
W	3.6	2.3	2.7	2.1	.5	.1	.0				11.3	7.2
WNW	2.5	1.2	1.2	.7	.1	.0	.0				5.7	5.7
NW	2.3	1.7	1.3	.5	.0	.0	.0				5.8	5.3
NNW	1.7	1.2	1.0	.3	.0	.0					4.2	5.1
VARIABLE	1.0	.2									1.1	2.3
CALM	////////////////////////////////////										8.9	////
TOTALS	36.3	25.0	19.1	9.0	1.5	.3	.0	.0			100.0	5.0

TOTAL NUMBER OF OBSERVATIONS: 87170

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88
MONTH: ALL HOURS(LST): ALL

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

AND/OR

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	3.6	4.2	2.6	.2	.0						10.7	4.9
NNE	2.4	2.3	1.1	.1	.0						5.9	4.5
NE	1.9	1.0	1.1	.2							4.2	4.8
ENE	2.0	.8	.6	.2							3.5	4.1
E	5.8	2.3	1.2	.2							9.4	3.6
ESE	3.9	1.0	.2	.0							5.1	2.8
SE	1.7	.3	.1								2.1	2.6
SSE	1.4	.5	.0								2.0	2.6
S	2.1	.7	.1	.0							2.9	2.6
SSW	1.1	.3	.1	.0							1.6	3.0
SW	1.5	.9	.5	.2	.0	.0					3.1	4.9
WSW	2.5	1.4	1.2	.9	.2	.0	.0				6.2	6.0
W	3.4	1.4	1.1	.9	.2	.0					6.9	5.5
WNW	2.6	1.4	1.3	.5	.1	.0					5.9	5.3
NW	3.0	2.6	2.3	.8	.1		.0				8.8	5.7
NNW	2.5	2.1	1.7	.5	.0	.0					6.9	5.3
VARIABLE	.4	.0									.4	1.8
CALM	////////////////////										14.4	////
TOTALS	41.8	23.2	15.0	4.7	.6	.1	.0				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 13035

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	0000000
PPPPPPP	AAAAAAA	RRRRRRR	TTTTTTTT	00000000
PP PP	AA AA	RR RR	TT	00 00
PP FP	AA AA	RR RR	TT	00 00
PPPPPPP	AA AA	RRRRRRR	TT	00 00
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	00 00
PP	AAAAAAAAA	RR RR	TT	00 00
PP	AA AA	RR RR	TT	00 00
PP	AA AA	RR RR	TT	00000000
PP	AA AA	RR RR	TT	00000000

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY:

THIS SUMMARY IS A BIVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

NOTES:

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

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

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

SKY COVER SUMMARY:

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

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

ALSO PRESENTED ARE MEAN SKY COVERS.

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

CLEAR	-	6/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

SKY COVER SUMMARY IS UNAVAILABLE FOR METAR REPORTING STATIONS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107300 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(IST): 0007-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	3	2	1
NO CEIL	1	8.0	14.4	16.2	18.1	19.5	20.2	20.7	22.1	23.3	24.2	24.3	24.4	24.5	25.1	25.1	25.6	
GE 20000	10.3	18.8	20.7	22.6	24.4	25.3	25.7	27.3	28.8	29.7	29.8	29.9	30.0	30.5	30.7	31.2		
GE 18000	10.3	18.8	20.7	22.6	24.4	25.3	25.7	27.3	28.8	29.7	29.8	29.9	30.0	30.5	30.7	31.2		
GE 16000	10.3	18.8	20.7	22.6	24.4	25.3	25.7	27.3	28.8	29.7	29.8	29.9	30.0	30.5	30.7	31.2		
GE 14000	10.3	18.8	20.7	22.6	24.4	25.3	25.7	27.3	28.8	29.7	29.8	29.9	30.0	30.5	30.7	31.2		
GE 12000	10.7	19.5	21.3	23.4	25.3	26.2	26.6	28.1	29.7	30.5	30.7	30.8	30.9	31.4	31.5	32.1		
GE 10000	12.1	21.5	23.8	26.3	28.1	29.1	29.6	31.1	32.6	33.5	33.6	33.7	33.8	34.4	34.5	35.1		
GE 9000	15.4	26.7	29.2	32.0	33.8	34.9	35.4	36.9	38.5	39.3	39.5	39.6	39.7	40.2	40.3	40.9		
GE 8000	16.0	28.4	31.1	34.1	36.2	37.3	37.7	39.3	41.0	42.1	42.3	42.4	42.5	43.1	43.2	43.7		
GE 7000	16.0	28.6	31.3	34.3	36.4	37.5	37.9	39.6	41.2	42.3	42.5	42.6	42.7	43.3	43.4	44.0		
GE 6000	16.8	29.5	32.3	35.3	37.5	38.6	39.0	40.7	42.3	43.4	43.6	43.7	43.8	44.4	44.5	45.1		
GE 5000	18.4	30.5	37.4	40.5	42.7	43.8	44.4	46.2	47.8	49.0	49.3	49.5	49.6	50.1	50.2	50.8		
GE 4500	19.6	37.1	40.3	43.7	45.9	47.0	47.6	49.5	51.3	52.5	52.9	53.0	53.1	53.6	53.7	54.3		
GE 4000	21.8	42.1	45.7	49.8	52.0	53.3	53.8	55.9	57.8	59.0	59.3	59.5	59.6	60.1	60.2	60.8		
GE 3500	22.3	43.6	47.4	51.6	53.8	55.3	55.8	58.1	60.0	61.2	61.5	61.6	61.8	62.3	62.4	63.0		
GE 3000	23.4	46.2	50.0	54.6	57.0	58.6	59.5	61.9	63.7	64.9	65.4	65.5	65.6	66.2	66.3	66.8		
GE 2500	24.7	49.9	53.8	59.1	61.8	63.5	64.7	67.3	69.2	70.4	70.9	71.0	71.2	71.8	71.9	72.4		
GE 2000	25.3	52.3	56.9	63.2	66.0	68.5	69.9	72.6	74.7	75.9	76.4	76.5	76.7	77.3	77.5	78.0		
GE 1800	25.5	53.4	58.1	64.9	67.9	70.3	71.8	74.6	76.7	77.9	78.4	78.5	78.7	79.2	79.5	80.0		
GE 1500	25.8	54.5	59.5	66.9	70.2	73.0	74.6	78.0	80.2	81.5	82.1	82.3	82.5	83.1	83.3	83.8		
GE 1200	25.8	54.7	60.0	68.1	71.5	74.5	76.3	80.0	82.3	83.6	84.2	84.4	84.6	85.2	85.4	85.9		
GE 1000	25.8	55.1	60.3	68.5	71.9	74.8	76.8	80.8	83.2	84.7	85.3	85.5	85.7	86.3	86.5	87.0		
GE 900	25.8	55.2	60.4	68.7	72.2	75.2	77.3	81.4	83.8	85.6	86.2	86.4	86.6	87.1	87.5	88.0		
GE 800	25.8	55.2	60.4	68.9	72.5	75.6	77.8	82.3	84.8	86.7	87.3	87.6	87.8	88.4	88.7	89.2		
GE 700	25.8	55.2	60.4	68.9	72.5	75.6	77.9	83.0	85.7	87.8	88.5	88.8	89.0	89.6	89.9	90.4		
GE 600	25.8	55.2	60.4	68.9	72.5	75.6	78.0	83.3	86.0	88.2	89.0	89.3	89.6	90.1	90.4	91.0		
GE 500	25.8	55.2	60.4	68.9	73.0	76.0	78.6	84.2	86.9	89.3	90.1	90.4	90.7	91.2	91.5	92.1		
GE 400	25.8	55.2	60.5	69.1	73.4	76.7	79.3	85.3	88.2	90.9	91.6	92.0	92.2	92.7	93.1	93.6		
GE 300	25.8	55.2	60.5	69.2	73.6	76.9	79.6	85.5	88.7	91.8	92.9	93.3	93.6	94.1	94.5	95.0		
GE 200	25.8	55.2	60.5	69.2	73.6	76.9	79.6	85.5	88.7	91.9	93.1	93.5	93.8	94.3	94.7	95.2		
GE 100	25.8	55.2	60.5	69.2	73.6	76.9	79.6	85.5	88.7	92.1	93.3	93.7	94.0	94.5	95.0	95.5		
GE 0	25.8	55.2	60.5	69.2	73.6	76.9	79.6	85.5	88.7	92.1	93.3	93.7	94.0	94.5	95.0	95.5		

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS (LST): 0700-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	9	5	4	0
NO CEIL	6.6	11.2	11.4	13.5	14.9	15.9	16.5	18.8	19.5	20.7	21.1	21.1	21.3	21.4	21.6	22.8
GE 20000	8.6	15.1	15.6	18.2	20.2	21.2	21.8	24.1	24.9	26.1	26.4	26.4	26.6	26.7	26.9	28.2
GE 18000	8.8	15.1	15.6	18.2	20.2	21.2	21.8	24.1	25.0	26.2	26.5	26.5	26.7	26.8	27.0	28.3
GE 16000	8.8	15.1	15.6	18.2	20.2	21.2	21.8	24.1	25.0	26.2	26.5	26.5	26.7	26.8	27.0	28.3
GE 14000	8.8	15.1	15.6	18.2	20.2	21.2	21.8	24.1	25.0	26.2	26.5	26.5	26.7	26.8	27.0	28.3
GE 12000	9.0	16.0	16.5	19.2	21.2	22.1	22.8	25.1	26.0	27.1	27.5	27.5	27.7	27.8	28.0	29.3
GE 10000	10.6	18.1	18.9	21.9	23.9	25.0	25.6	28.0	28.9	30.1	30.4	30.4	30.6	30.7	30.8	32.2
GE 9000	12.9	22.6	23.5	27.0	29.2	30.6	31.3	33.8	34.7	36.3	36.6	36.6	36.9	36.9	37.1	38.4
GE 8000	14.0	24.2	25.8	29.4	31.6	33.0	33.7	36.2	37.1	38.7	39.0	39.0	39.2	39.3	39.5	40.8
GE 7000	14.0	24.8	26.4	30.0	32.1	33.6	34.2	36.7	37.7	39.2	39.5	39.5	39.7	39.8	40.1	41.4
GE 6000	14.4	25.3	27.0	30.6	32.8	34.2	34.9	37.4	38.3	39.8	40.2	40.2	40.4	40.5	40.7	42.0
GE 5000	16.0	29.9	31.6	35.2	37.4	38.8	39.5	42.0	43.1	44.6	45.0	45.0	45.2	45.3	45.5	46.8
GE 4500	16.9	32.0	33.8	37.6	39.8	41.3	42.0	44.5	45.6	47.1	47.6	47.6	47.8	47.9	48.1	49.4
GE 4000	19.2	37.5	39.6	43.8	46.1	47.6	48.5	51.4	52.6	54.3	54.7	54.7	54.9	55.0	55.3	56.6
GE 3500	17.8	39.6	42.0	46.3	48.8	50.5	51.5	54.4	55.6	57.3	57.8	57.8	58.0	58.1	58.3	59.6
GE 3000	20.2	42.0	44.7	50.1	53.0	55.0	56.0	59.2	60.5	62.2	62.6	62.6	62.8	63.0	63.2	64.5
GE 2500	21.1	45.2	48.1	54.0	57.3	59.6	60.6	64.4	65.7	67.4	67.9	67.9	68.1	68.2	68.4	69.7
GE 2000	21.4	47.3	50.4	56.9	61.0	63.4	64.5	68.6	70.0	71.8	72.3	72.4	72.6	72.7	73.0	74.3
GE 1800	21.5	48.4	51.5	58.6	62.8	65.3	66.3	70.5	71.9	73.6	74.2	74.3	74.5	74.6	74.8	76.1
GE 1600	21.8	49.8	52.9	60.6	64.8	68.3	69.6	74.3	75.7	77.7	78.5	78.6	78.8	78.9	79.2	80.5
GE 1400	21.8	50.5	53.7	62.3	66.7	70.4	72.0	77.2	78.6	80.7	81.4	81.5	81.8	81.9	82.1	83.4
GE 1200	21.8	50.7	54.0	63.0	67.5	71.7	73.5	79.2	80.7	82.7	83.5	83.6	83.8	83.9	84.1	85.5
GE 1000	21.8	50.7	54.0	63.1	67.6	71.8	73.6	79.4	80.9	83.2	83.9	84.0	84.3	84.4	84.6	85.9
GE 900	21.8	51.0	54.3	63.6	68.2	72.6	74.5	80.5	82.1	84.4	85.1	85.2	85.5	85.6	85.8	87.1
GE 800	21.8	51.1	54.4	63.8	68.7	73.2	75.5	81.7	83.3	85.7	86.4	86.5	86.9	87.0	87.2	88.5
GE 700	21.8	51.2	54.5	64.0	69.2	73.6	76.1	82.5	84.4	86.9	87.9	88.3	88.6	88.7	88.9	90.2
GE 600	21.8	51.2	54.5	64.0	69.2	73.6	76.5	83.7	86.0	88.8	89.9	90.2	90.6	90.7	90.9	92.3
GE 500	21.8	51.2	54.5	64.1	69.4	73.9	76.9	84.8	87.1	90.2	91.3	91.6	92.0	92.2	92.4	93.8
GE 400	21.8	51.2	54.5	64.1	69.4	73.9	76.9	84.9	87.3	90.9	92.0	92.5	92.9	93.2	93.4	94.8
GE 300	21.8	51.2	54.5	64.1	69.5	74.0	77.0	85.0	87.8	91.6	92.7	93.6	94.4	94.8	95.3	96.7
GE 200	21.8	51.2	54.5	64.1	69.5	74.0	77.0	85.0	87.8	91.6	92.7	93.6	94.5	95.0	95.8	97.2
GE 100	21.8	51.2	54.5	64.1	69.5	74.0	77.0	85.0	87.8	91.6	92.7	93.6	94.5	95.0	95.8	97.2

TOTAL NUMBER OF OBSERVATIONS: 221

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-80
MONTH: JAN HOURS: 0100-0600

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	1	6	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	160	70	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	5.1	10.2	11.3	13.2	15.2	16.0	16.6	18.9	19.7	20.8	21.6	21.8	21.9	22.6	22.8	24.7	
GE 20000	7.4	13.7	14.8	17.2	19.4	20.3	21.0	23.7	24.8	26.1	26.9	27.1	27.2	27.9	28.1	30.0	
GE 18000	7.4	13.7	14.8	17.2	19.4	20.3	21.0	23.7	24.8	26.1	26.9	27.1	27.2	27.9	28.1	30.0	
GE 16000	7.4	13.7	14.8	17.2	19.4	20.3	21.0	23.7	24.8	26.1	26.9	27.1	27.2	27.9	28.1	30.0	
GE 14000	7.4	13.7	14.8	17.2	19.4	20.3	21.0	23.7	24.8	26.1	26.9	27.1	27.2	27.9	28.1	30.0	
GE 12000	7.5	13.9	14.9	17.5	19.8	20.8	21.4	24.1	25.2	26.5	27.4	27.5	27.6	28.4	28.6	30.4	
GE 10000	9.1	16.3	17.5	20.3	22.8	23.8	24.7	27.6	28.7	30.0	30.8	31.0	31.1	31.8	32.0	33.9	
GE 9000	12.4	22.3	23.8	27.1	29.9	31.1	32.0	35.1	36.3	37.6	38.4	38.5	38.6	39.4	39.6	41.5	
GE 8000	12.8	23.8	25.3	28.9	31.7	32.9	33.9	36.9	38.1	39.5	40.4	40.5	40.6	41.3	41.6	43.5	
GE 7000	12.8	23.8	25.3	28.9	31.7	32.9	33.9	36.9	38.1	39.5	40.4	40.5	40.6	41.3	41.6	43.5	
GE 6000	13.2	24.4	25.9	29.4	32.3	33.4	34.4	37.4	38.6	40.0	40.9	41.0	41.1	41.9	42.1	44.2	
GE 5000	14.4	27.5	29.0	32.6	35.4	36.6	37.6	40.6	41.8	43.2	44.0	44.2	44.3	45.0	45.2	47.2	
GE 4500	15.4	29.7	31.3	35.0	37.8	39.0	39.9	43.0	44.2	45.6	46.4	46.5	46.6	47.4	47.6	49.6	
GE 4000	16.6	33.9	35.5	39.8	42.6	43.9	45.1	48.2	49.4	50.8	51.4	51.7	51.9	52.7	52.9	54.9	
GE 3500	17.2	35.6	37.4	42.1	44.9	46.4	47.8	51.0	52.3	53.7	54.5	54.7	54.9	55.6	55.8	57.8	
GE 3000	18.9	40.4	42.5	47.9	51.3	52.9	54.5	57.9	59.4	60.8	61.7	61.8	62.0	62.8	63.0	64.2	
GE 2500	19.9	44.4	47.0	52.7	56.3	58.0	59.6	63.1	64.6	66.1	67.0	67.1	67.3	68.1	69.3	70.2	
GE 2000	21.0	47.7	50.6	57.3	61.5	63.9	65.7	69.3	71.0	72.7	73.6	73.7	74.0	74.8	75.1	77.1	
GE 1800	21.4	48.9	51.8	58.9	63.5	66.0	68.0	71.5	73.3	75.0	75.9	76.0	76.3	77.1	77.4	79.3	
GE 1600	21.4	50.3	53.4	60.8	66.0	68.9	71.4	75.1	77.1	79.4	80.5	80.6	81.0	81.7	82.0	84.0	
GE 1400	21.5	51.2	54.3	61.8	67.4	70.6	73.3	76.9	79.0	81.4	82.5	82.6	82.9	83.7	84.0	85.9	
GE 1200	21.5	51.4	54.7	62.3	68.2	71.4	74.4	78.5	80.7	83.2	84.3	84.4	84.7	85.5	85.8	87.8	
GE 900	21.5	51.4	54.7	62.4	68.4	71.6	74.7	79.1	81.4	83.9	85.0	85.1	85.5	86.3	86.6	88.5	
GE 800	21.5	51.5	54.9	62.7	69.0	72.4	75.3	79.9	82.4	84.8	85.9	86.0	86.5	87.2	87.6	89.5	
GE 700	21.5	51.5	54.9	63.0	69.4	72.8	75.8	80.6	83.1	85.7	86.8	86.9	87.4	88.2	88.5	90.5	
GE 600	21.5	51.5	54.9	63.2	69.7	73.2	76.2	81.4	84.2	87.0	88.3	88.4	89.0	89.7	90.0	92.0	
GE 500	21.5	51.5	54.9	63.2	69.7	73.4	76.5	82.4	85.3	88.1	89.5	89.6	90.2	90.9	91.2	93.2	
GE 400	21.5	51.5	54.9	63.2	69.8	73.5	76.7	83.3	86.4	89.4	90.8	90.9	91.5	92.2	92.5	94.5	
GE 300	21.5	51.5	54.9	63.2	69.8	73.5	76.7	83.7	87.0	90.2	91.9	92.3	93.1	93.9	94.3	96.3	
GE 200	21.5	51.5	54.9	63.2	69.8	73.6	76.8	83.8	87.2	90.5	92.4	92.4	93.7	94.9	95.6	97.9	
GE 100	21.5	51.5	54.9	63.2	69.8	73.6	76.8	83.8	87.2	90.5	92.5	92.5	93.9	95.2	96.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-84

MONTH: JAN HOURS(IST): 0900-1100

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL	4.6	7.4	7.7	10.8	12.6	13.9	14.2	16.5	18.2	19.1	19.6	19.9	20.2	20.6	21.1	21.8
GE 3000	8.0	12.1	13.2	17.1	19.2	21.1	21.9	25.5	27.4	28.4	29.0	29.3	29.7	30.3	30.7	31.6
GE 1800	8.0	12.1	13.2	17.1	19.2	21.1	21.9	25.5	27.4	28.4	29.0	29.3	29.7	30.3	30.7	31.6
GE 1600	8.0	12.1	13.2	17.1	19.2	21.1	21.9	25.5	27.4	28.4	29.0	29.3	29.7	30.3	30.7	31.6
GE 1400	8.0	12.1	13.2	17.1	19.2	21.1	21.9	25.5	27.4	28.4	29.0	29.3	29.7	30.3	30.7	31.6
GE 1200	9.0	13.7	14.8	18.7	21.0	22.8	24.1	27.7	29.5	30.6	31.1	31.5	31.9	32.4	32.9	33.7
GE 1000	10.4	15.7	16.8	21.3	23.7	25.5	27.0	30.9	32.8	33.8	34.4	34.7	35.2	35.8	36.2	37.1
GE 900	15.0	22.2	23.4	28.0	30.8	32.9	34.6	38.9	40.8	42.2	43.1	43.5	44.0	44.5	45.0	45.8
GE 800	15.7	23.6	24.9	29.6	32.4	34.6	36.3	40.8	42.6	44.1	45.1	45.4	45.9	46.5	46.9	47.8
GE 700	15.8	23.7	25.0	29.7	32.6	34.8	36.6	41.1	42.9	44.4	45.4	45.7	46.3	46.8	47.2	48.1
GE 600	16.1	24.1	25.4	30.2	33.1	35.2	37.1	41.5	43.4	44.9	45.8	46.2	46.7	47.2	47.7	48.5
GE 500	17.0	26.5	27.8	32.6	35.7	37.9	39.8	44.2	46.1	47.6	48.5	48.9	49.4	49.9	50.4	51.4
GE 450	17.9	27.6	28.9	33.7	36.8	39.2	41.1	45.5	47.4	48.9	49.8	50.2	50.7	51.2	51.7	52.8
GE 400	19.8	31.1	32.6	37.8	41.1	43.6	45.5	50.3	52.1	53.6	54.6	54.9	55.5	56.1	56.6	57.5
GE 350	21.6	33.6	35.4	40.8	44.0	46.5	48.4	53.2	55.0	56.5	57.5	57.8	58.4	59.0	59.5	60.4
GE 300	24.9	39.7	41.6	47.5	51.2	53.8	55.8	60.6	62.6	64.5	65.5	65.8	66.5	67.2	67.7	68.6
GE 250	26.3	43.2	45.5	52.0	56.4	59.2	61.3	66.7	69.1	70.9	71.9	72.2	73.0	73.8	74.4	75.2
GE 200	27.4	45.5	48.1	55.2	60.1	63.2	65.8	71.6	74.2	76.2	77.2	77.5	78.3	79.1	79.6	80.5
GE 180	27.6	45.9	48.6	56.1	61.0	64.1	67.4	73.2	75.9	77.9	78.9	79.2	80.0	80.9	81.3	82.3
GE 150	27.9	46.5	49.2	57.3	62.4	65.7	69.6	75.9	78.9	81.2	82.2	82.5	83.2	84.1	84.5	85.5
GE 120	28.3	47.1	49.8	58.1	63.4	66.7	70.9	77.4	80.5	83.0	84.3	84.6	85.4	86.3	86.7	87.7
GE 100	28.3	47.5	50.2	58.4	64.0	67.6	71.9	78.6	81.9	84.4	85.7	86.2	87.1	88.0	88.4	89.4
GE 90	28.3	47.5	50.2	58.6	64.2	67.8	72.1	78.9	82.4	85.1	86.4	86.8	87.8	88.6	89.1	90.1
GE 80	28.3	47.6	50.3	58.7	64.8	68.4	72.9	80.0	83.6	86.8	88.1	88.5	89.5	90.5	90.9	91.9
GE 70	28.3	47.6	50.3	58.8	65.0	68.8	73.3	80.4	84.1	87.4	89.0	89.4	90.4	91.4	91.8	92.8
GE 60	28.3	47.7	50.4	58.9	65.1	68.9	73.6	81.2	84.9	88.3	90.1	90.5	91.5	92.5	93.0	94.0
GE 50	28.3	47.7	50.4	59.0	65.2	69.0	73.7	81.6	85.4	89.2	91.1	91.6	92.6	93.7	94.2	95.1
GE 40	28.3	47.7	50.4	59.0	65.2	69.0	73.8	81.8	85.7	89.7	91.7	92.4	93.6	94.9	95.4	96.3
GE 30	28.3	47.7	50.4	59.0	65.2	69.0	73.8	82.2	86.3	90.4	92.6	93.6	95.0	96.4	96.9	97.8
GE 20	28.3	47.7	50.4	59.0	65.2	69.0	73.8	82.2	86.3	90.5	92.9	93.8	95.4	97.0	97.5	98.6
GE 10	28.3	47.7	50.4	59.0	65.2	69.0	73.8	82.2	86.3	90.5	92.9	93.8	95.4	97.2	97.7	98.8

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-84

MONTH: JAN

HOURS(IST): 1200-1400

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	5.5	10.1	10.8	14.9	16.6	18.2	18.9	20.9	21.3	22.1	22.2	22.2	22.3	22.4	22.4	22.4
GE 20000	9.8	16.3	17.7	22.9	25.3	27.4	28.3	33.8	31.4	32.2	32.3	32.3	32.4	32.5	32.5	32.5
GE 18000	9.8	16.3	17.7	22.9	25.3	27.4	28.3	33.8	31.4	32.2	32.3	32.3	32.4	32.5	32.5	32.5
GE 16000	9.8	16.3	17.7	22.9	25.3	27.4	28.3	33.8	31.4	32.2	32.3	32.3	32.4	32.5	32.5	32.5
GE 14000	9.8	16.3	17.7	22.9	25.3	27.4	28.3	33.8	31.4	32.2	32.3	32.3	32.4	32.5	32.5	32.5
GE 12000	10.9	17.6	19.0	24.5	27.1	29.4	30.6	33.1	33.6	34.5	34.6	34.6	34.7	34.8	34.8	34.8
GE 10000	13.6	21.6	23.2	28.9	31.5	33.8	35.0	37.6	38.2	39.1	39.2	39.2	39.4	39.5	39.5	39.5
GE 9000	18.2	28.1	30.3	36.2	39.0	41.5	42.9	45.8	46.5	47.7	47.9	47.9	48.0	48.2	48.2	48.2
GE 8000	18.8	29.2	31.5	37.6	40.6	43.1	44.5	47.5	48.1	49.4	49.6	49.6	49.7	49.9	49.9	49.9
GE 7000	18.8	29.2	31.5	37.6	40.8	43.2	44.6	47.6	48.2	49.5	49.7	49.7	49.8	50.1	50.1	50.1
GE 6000	19.0	29.4	31.7	37.8	41.0	43.5	44.9	47.8	48.4	49.7	49.9	49.9	50.1	50.3	50.3	50.3
GE 5000	20.4	31.8	34.1	40.3	43.6	46.2	47.6	50.5	51.1	52.4	52.6	52.6	52.8	53.0	53.0	53.0
GE 4500	21.0	32.6	34.9	41.2	44.4	47.0	48.4	51.5	52.1	53.4	53.6	53.6	53.7	53.9	53.9	53.9
GE 4000	23.7	36.4	38.7	45.2	48.6	51.2	52.6	56.0	56.6	57.9	58.2	58.2	58.3	58.5	58.5	58.5
GE 3500	24.4	38.1	40.4	47.2	50.8	53.4	54.8	58.2	58.9	60.2	60.4	60.4	60.5	60.8	60.8	60.8
GE 3000	27.4	42.7	45.2	52.9	56.8	59.5	60.9	64.5	65.5	66.9	67.1	67.1	67.2	67.5	67.5	67.5
GE 2500	30.9	49.0	51.8	60.0	64.6	68.0	69.6	73.7	74.8	76.2	76.4	76.4	76.5	76.8	76.8	76.8
GE 2000	32.4	51.6	54.7	63.6	68.5	72.0	73.8	78.9	80.1	81.7	81.9	81.9	82.1	82.3	82.3	82.3
GE 1800	32.8	52.5	55.7	64.9	70.2	73.8	75.7	81.0	82.3	83.9	84.1	84.1	84.2	84.4	84.4	84.4
GE 1600	33.4	53.9	57.3	66.7	72.3	76.3	78.4	84.0	85.6	87.2	87.7	87.7	87.8	88.0	88.0	88.0
GE 1200	34.1	54.8	58.2	68.1	73.8	77.8	79.9	85.9	87.7	89.7	91.3	92.3	90.4	90.6	90.6	90.6
GE 1000	34.1	55.1	58.7	69.2	75.5	79.5	81.5	87.7	89.7	91.9	92.4	92.5	92.6	92.9	92.9	92.9
GE 900	34.1	55.1	58.7	69.4	75.8	79.9	81.9	88.1	90.2	92.5	93.1	93.2	93.3	93.5	93.5	93.5
GE 800	34.1	55.1	58.8	69.5	75.9	80.0	82.1	88.4	90.6	93.7	93.8	93.9	94.2	94.4	94.5	94.5
GE 700	34.1	55.2	58.9	69.6	76.0	80.1	82.2	88.6	90.9	93.6	94.3	94.4	94.7	94.9	95.0	95.0
GE 600	34.1	55.2	58.9	69.7	76.1	80.5	82.8	89.3	91.8	94.6	95.2	95.4	95.7	95.9	96.0	96.0
GE 500	34.1	55.2	58.9	69.7	76.1	80.6	82.9	89.5	92.1	95.1	95.4	95.9	96.2	96.4	96.5	96.5
GE 400	34.1	55.2	58.9	69.7	76.1	80.6	83.0	89.7	92.4	95.6	96.2	96.3	96.9	97.2	97.5	97.5
GE 300	34.1	55.2	58.9	69.7	76.1	80.8	83.2	90.1	92.8	95.9	96.8	97.0	97.7	98.6	98.9	98.9
GE 200	34.1	55.2	58.9	69.7	76.1	80.8	83.2	90.1	92.8	95.9	96.9	97.1	97.9	99.0	99.5	99.5
GE 100	34.1	55.2	58.9	69.7	76.1	80.8	83.2	90.1	92.8	95.9	96.9	97.1	97.9	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(IST): 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 U
NO CEIL	7.6	12.9	13.7	17.1	19.4	19.8	27.6	22.5	22.9	23.1	23.2	23.4	23.4	23.4	23.4	23.4
GE 2000	11.4	19.1	20.0	23.8	26.7	27.5	28.3	30.6	31.6	31.8	31.9	32.0	32.0	32.0	32.0	32.0
GE 1800	11.4	19.1	20.0	23.8	26.7	27.5	28.3	30.6	31.6	31.8	31.9	32.0	32.0	32.0	32.0	32.0
GE 1600	11.4	19.1	20.0	23.8	26.7	27.5	28.3	30.6	31.6	31.8	31.9	32.0	32.0	32.0	32.0	32.0
GE 1400	11.4	19.1	20.0	23.8	26.7	27.5	28.3	30.6	31.6	31.8	31.9	32.0	32.0	32.0	32.0	32.0
GE 1200	13.3	22.1	23.1	27.3	30.1	30.8	31.7	34.1	35.0	35.2	35.4	35.5	35.5	35.5	35.5	35.5
GE 1000	15.4	25.2	26.4	31.4	34.5	35.2	36.1	38.5	39.5	39.7	39.8	39.9	39.9	39.9	39.9	39.9
GE 900	19.1	30.5	31.8	37.2	41.0	41.9	42.8	45.4	46.6	46.8	46.9	47.0	47.0	47.0	47.0	47.0
GE 800	20.1	32.8	34.1	39.7	43.5	44.4	45.3	48.3	49.5	50.1	50.2	50.3	50.3	50.3	50.3	50.3
GE 700	20.1	32.8	34.1	39.7	43.5	44.4	45.3	48.3	49.5	50.1	50.2	50.3	50.3	50.3	50.3	50.3
GE 600	20.4	33.3	34.7	40.3	44.1	45.1	45.9	49.0	50.2	50.7	50.8	50.9	50.9	50.9	50.9	50.9
GE 500	21.3	35.4	36.8	42.4	46.2	47.5	48.3	51.4	52.5	53.1	53.2	53.3	53.3	53.3	53.3	53.3
GE 400	22.2	36.5	37.9	43.6	47.4	48.6	49.5	52.5	53.8	54.5	54.6	54.7	54.7	54.7	54.7	54.7
GE 300	24.5	40.6	42.2	48.1	51.9	53.2	54.1	57.1	58.4	59.1	59.2	59.4	59.4	59.4	59.4	59.4
GE 200	26.1	42.6	44.3	50.4	54.2	55.5	56.3	59.4	60.6	61.4	61.5	61.6	61.6	61.6	61.6	61.6
GE 100	29.2	47.4	49.6	56.1	59.9	61.4	62.3	65.4	66.7	67.6	67.7	67.8	67.8	67.9	67.9	67.9
GE 2000	31.1	51.2	53.6	61.0	65.4	67.2	68.3	72.2	73.6	74.6	74.7	74.8	74.8	74.9	74.9	74.9
GE 1800	32.2	54.7	57.6	65.2	69.6	72.2	73.5	77.9	79.6	80.5	80.6	80.8	80.8	81.0	81.0	81.0
GE 1600	32.3	55.1	58.3	66.3	70.7	73.3	74.7	79.6	81.1	82.1	82.2	82.3	82.3	82.5	82.5	82.5
GE 1400	32.9	57.3	60.6	69.3	74.4	77.3	78.7	84.0	85.9	86.9	87.1	87.2	87.2	87.5	87.5	87.5
GE 1200	33.1	59.0	62.5	71.6	76.9	79.8	81.2	86.6	88.8	90.1	90.3	90.4	90.4	90.6	90.6	90.6
GE 1000	33.1	59.1	62.7	71.9	77.5	80.4	81.8	87.6	90.3	92.1	92.3	92.4	92.4	92.6	92.6	92.6
GE 900	33.1	59.2	62.8	72.0	77.6	80.5	81.9	87.7	90.4	92.2	92.4	92.5	92.5	92.8	92.8	92.8
GE 800	33.1	59.2	62.8	72.0	77.6	80.6	82.1	88.1	90.8	92.9	93.1	93.2	93.3	93.5	93.5	93.5
GE 700	33.2	59.5	63.0	72.2	77.8	81.0	82.4	88.5	91.4	93.6	93.8	93.9	94.1	94.3	94.3	94.3
GE 600	33.2	59.5	63.0	72.2	77.8	81.1	82.5	89.0	91.9	94.2	94.4	94.5	94.6	94.8	94.8	94.8
GE 500	33.3	59.6	63.1	72.5	78.2	81.6	83.1	90.1	93.0	95.5	96.1	96.2	96.4	96.9	96.9	96.9
GE 400	33.3	59.6	63.1	72.5	78.2	81.6	83.1	90.2	93.1	96.7	96.9	97.0	97.4	97.9	97.9	97.9
GE 300	33.3	59.6	63.1	72.5	78.2	81.6	83.1	90.3	93.2	96.3	97.3	97.4	98.1	99.0	99.0	99.0
GE 200	33.3	59.6	63.1	72.5	78.2	81.6	83.1	90.3	93.2	96.5	97.5	97.6	98.4	99.5	99.6	99.6
GE 100	33.3	59.6	63.1	72.5	78.2	81.6	83.1	90.3	93.2	96.5	97.5	97.6	98.5	99.6	99.7	99.9
GE 0	33.3	59.6	63.1	72.5	78.2	81.6	83.1	90.3	93.2	96.5	97.5	97.6	98.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS (LST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	8.3	15.4	16.3	19.5	21.1	22.1	22.5	23.8	24.4	25.1	25.1	25.2	25.3	25.3	25.3	25.3
GE	20000	11.8	20.5	21.5	25.8	27.5	28.4	28.9	31.1	31.9	32.5	32.5	32.6	32.8	32.8	32.8	32.8
GE	18000	11.8	20.5	21.5	25.8	27.5	28.4	28.9	31.1	31.9	32.5	32.5	32.6	32.8	32.8	32.8	32.8
GE	16000	11.8	20.5	21.5	25.8	27.5	28.4	28.9	31.1	31.9	32.5	32.5	32.6	32.8	32.8	32.8	32.8
GE	14000	11.8	20.5	21.5	25.8	27.5	28.4	28.9	31.1	31.9	32.5	32.5	32.6	32.8	32.8	32.8	32.8
GE	12000	12.9	22.1	23.0	27.6	29.2	30.2	30.6	32.9	33.6	34.3	34.3	34.4	34.5	34.5	34.5	34.5
GE	10000	14.4	24.6	25.7	30.6	32.3	33.3	33.7	36.0	36.8	37.4	37.4	37.5	37.6	37.6	37.6	37.6
GE	9000	18.7	30.5	31.7	36.9	38.6	39.7	40.1	42.9	43.8	44.4	44.4	44.5	44.6	44.6	44.6	44.6
GE	8000	19.2	32.0	33.3	38.8	40.6	41.9	42.4	45.6	46.6	47.2	47.2	47.4	47.5	47.5	47.5	47.5
GE	7000	19.2	32.1	33.5	39.0	40.9	42.4	42.9	46.4	47.4	48.0	48.0	48.1	48.2	48.2	48.2	48.2
GE	6000	19.6	33.0	34.4	39.9	41.7	43.2	43.8	47.2	48.2	48.9	48.9	49.0	49.1	49.1	49.1	49.1
GE	5000	21.0	38.2	39.6	45.2	47.0	48.8	49.3	52.8	53.7	54.4	54.4	54.5	54.7	54.7	54.7	54.7
GE	4500	21.8	40.4	41.9	47.6	49.4	51.1	51.7	55.1	56.1	56.8	56.8	56.9	57.1	57.1	57.1	57.1
GE	4000	24.1	45.2	47.0	53.2	55.0	56.8	57.3	61.0	61.9	62.7	62.7	62.8	62.9	63.1	63.2	63.2
GE	3500	25.7	48.5	50.6	57.0	58.8	60.5	61.1	64.8	65.7	66.5	66.6	66.7	66.9	67.0	67.0	67.0
GE	3000	26.5	51.0	53.4	59.9	61.7	63.5	64.0	67.8	68.8	69.6	69.7	69.8	70.1	70.2	70.3	70.3
GE	2500	27.7	54.6	57.0	64.1	66.2	68.1	68.6	72.4	73.5	74.4	74.4	74.5	74.6	74.8	74.9	75.0
GE	2000	27.7	57.4	60.0	68.0	70.3	72.5	73.5	77.8	79.0	80.0	80.1	80.2	80.4	80.5	80.6	80.6
GE	1800	27.8	58.3	60.9	69.0	71.2	73.6	74.6	78.9	80.1	81.1	81.2	81.3	81.5	81.6	81.7	81.7
GE	1500	28.3	60.2	63.1	72.5	75.0	77.6	78.9	83.7	84.9	85.8	85.9	86.1	86.3	86.4	86.5	86.5
GE	1200	28.3	61.5	64.6	74.9	77.8	80.6	81.9	86.8	88.4	89.6	89.7	89.8	90.1	90.2	90.3	90.3
GE	1000	28.3	61.7	65.0	75.6	78.6	81.4	82.7	87.8	89.8	91.2	91.4	91.5	91.7	91.8	91.9	91.9
GE	900	28.3	61.8	65.1	75.7	78.7	81.5	82.8	88.0	90.1	91.6	91.7	91.8	92.0	92.1	92.2	92.2
GE	800	28.3	61.9	65.2	75.9	78.9	81.9	83.4	88.9	91.0	92.9	93.0	93.1	93.3	93.4	93.5	93.5
GE	700	28.3	61.9	65.2	75.9	79.0	82.1	83.6	89.2	91.4	93.2	93.2	93.4	93.6	93.7	93.8	93.8
GE	600	28.3	61.9	65.2	76.0	79.4	82.6	84.2	89.9	92.2	94.1	94.2	94.3	94.5	94.6	94.7	94.7
GE	500	28.3	61.9	65.2	76.0	79.4	82.7	84.6	90.6	93.2	95.7	95.8	95.9	96.1	96.2	96.3	96.3
GE	400	28.3	61.9	65.2	76.0	79.4	82.6	84.6	91.0	93.7	96.2	96.4	96.5	97.0	97.1	97.2	97.2
GE	300	28.3	62.1	65.3	76.1	79.5	82.9	84.9	91.4	94.2	97.1	97.5	97.6	98.2	98.4	98.5	98.6
GE	200	28.3	62.1	65.3	76.1	79.5	82.9	84.9	91.4	94.2	97.2	97.9	98.2	99.1	99.5	99.6	99.8
GE	100	28.3	62.1	65.3	76.1	79.5	82.9	84.9	91.4	94.2	97.2	97.9	98.2	99.2	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 225

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	1	60	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	1	9.0	16.8	17.6	19.8	21.8	22.7	23.3	24.7	25.1	25.4	25.6	25.8	25.9	26.0	26.4	27.1	
GE 20000	11.3	20.7	21.6	24.3	26.2	27.1	27.7	29.2	29.8	30.2	30.4	30.6	30.7	30.9	31.3	31.9	31.9	
GE 18000	11.3	20.7	21.6	24.3	26.2	27.1	27.7	29.2	29.8	30.2	30.4	30.6	30.7	30.9	31.3	31.9	31.9	
GE 16000	11.3	20.7	21.6	24.3	26.2	27.1	27.7	29.2	29.8	30.2	30.4	30.6	30.7	30.9	31.3	31.9	31.9	
GE 14000	11.3	20.7	21.6	24.3	26.2	27.1	27.7	29.2	29.8	30.2	30.4	30.6	30.7	30.9	31.3	31.9	31.9	
GE 12000	11.5	21.0	21.9	24.6	26.5	27.4	28.0	29.6	30.1	30.5	30.7	31.0	31.1	31.2	31.6	32.3	32.3	
GE 10000	13.9	24.1	25.1	28.0	30.0	30.9	31.5	33.1	33.7	34.1	34.3	34.5	34.6	34.7	35.2	35.9	35.9	
GE 9000	17.4	28.9	30.1	33.8	35.8	36.7	37.3	39.1	39.6	40.0	40.2	40.5	40.6	40.7	41.1	41.9	41.9	
GE 8000	17.8	30.6	31.9	35.8	38.2	39.1	39.7	41.4	42.1	42.7	42.9	43.1	43.3	43.4	43.8	44.6	44.6	
GE 7000	17.8	30.9	32.1	36.0	38.4	39.3	40.0	41.7	42.4	43.0	43.3	43.5	43.6	43.7	44.1	44.9	44.9	
GE 6000	18.3	31.9	33.2	37.1	39.5	40.3	41.1	42.8	43.5	44.1	44.3	44.6	44.7	44.9	45.3	46.1	46.1	
GE 5000	19.3	36.5	37.8	41.7	44.1	45.0	45.7	47.6	48.2	48.9	49.1	49.3	49.4	49.6	50.1	50.8	50.8	
GE 4500	20.3	36.9	40.3	44.4	46.8	47.7	48.4	50.5	51.1	51.8	52.0	52.2	52.3	52.5	53.0	53.7	53.7	
GE 4000	22.4	45.4	47.2	52.0	54.7	55.7	56.4	58.5	59.1	59.9	60.1	60.3	60.4	60.6	61.1	61.8	61.8	
GE 3500	24.2	48.4	50.3	55.1	57.8	58.9	59.8	61.8	62.5	63.2	63.4	63.6	63.8	64.0	64.4	65.2	65.2	
GE 3000	25.1	52.6	54.9	59.9	62.6	63.9	64.7	67.2	67.9	68.6	68.8	69.0	69.1	69.4	69.8	70.6	70.6	
GE 2500	26.0	54.7	57.3	62.8	65.0	67.3	68.2	70.7	71.3	72.2	72.4	72.6	72.7	72.9	73.4	74.1	74.1	
GE 2000	26.6	57.7	60.6	67.0	70.4	72.2	73.4	75.8	76.6	77.6	77.8	78.0	78.1	78.3	78.7	79.5	79.5	
GE 1800	27.0	58.6	61.5	67.9	71.3	73.0	74.2	76.8	77.6	78.6	78.9	79.1	79.2	79.4	79.8	80.6	80.6	
GE 1500	27.3	60.0	63.4	70.0	73.6	75.5	76.9	80.4	81.1	82.4	82.6	82.8	83.0	83.2	83.6	84.4	84.4	
GE 1200	27.3	60.9	64.4	71.2	75.1	77.1	78.5	82.3	83.1	84.4	84.8	85.0	85.1	85.3	85.8	86.5	86.5	
GE 1000	27.3	61.3	64.7	72.2	76.4	78.7	80.4	85.0	85.9	87.3	87.7	87.9	88.0	88.2	88.7	89.4	89.4	
GE 900	27.3	61.3	64.7	72.2	76.4	78.9	80.6	85.3	86.4	87.8	88.2	88.5	88.6	88.8	89.2	90.0	90.0	
GE 800	27.3	61.3	64.9	72.6	76.9	79.4	81.1	86.0	87.2	88.8	89.2	89.4	89.5	89.8	90.2	90.9	90.9	
GE 700	27.3	61.3	64.9	72.9	77.3	79.8	81.6	86.7	87.9	89.5	90.0	90.2	90.3	90.5	90.9	91.7	91.7	
GE 600	27.3	61.3	64.9	72.9	77.3	79.8	81.6	87.2	88.7	90.6	91.2	91.4	91.5	91.7	92.1	92.9	92.9	
GE 500	27.3	61.3	64.9	73.1	77.6	80.0	81.8	87.4	89.0	91.2	91.8	92.0	92.1	92.3	92.8	93.5	93.5	
GE 400	27.3	61.3	64.9	73.1	77.6	80.2	82.0	87.8	89.4	91.8	92.8	93.0	93.3	93.5	94.0	94.7	94.7	
GE 300	27.3	61.3	64.9	73.1	77.6	80.2	82.1	88.2	90.3	93.2	94.3	94.5	94.6	94.8	95.1	95.9	95.9	
GE 200	27.3	61.3	64.9	73.1	77.6	80.2	82.1	88.2	90.4	93.6	94.7	95.0	95.1	95.4	96.1	96.8	96.8	
GE 100	27.3	61.3	64.9	73.1	77.6	80.2	82.1	88.2	90.4	93.9	94.9	95.4	95.4	95.8	96.4	97.1	97.1	
GE 0	27.3	61.3	64.9	73.1	77.6	80.2	82.1	88.2	90.4	93.9	94.9	95.4	95.4	95.8	96.4	97.1	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88

MONTH: JAN HOURS(IST): ALL

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 60	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	6.8	12.3	13.1	15.9	17.6	18.6	19.2	21.0	21.8	22.6	22.8	22.9	23.1	23.4	27.5	24.1
GE 20000	9.8	17.1	18.1	21.5	23.6	24.8	25.5	27.8	28.8	29.6	29.9	30.0	30.2	30.5	30.6	31.3
GE 18000	9.8	17.1	18.1	21.5	23.6	24.8	25.5	27.8	28.8	29.6	29.9	30.0	30.2	30.5	30.6	31.3
GE 16000	9.8	17.1	18.1	21.5	23.6	24.8	25.5	27.8	28.8	29.6	29.9	30.0	30.2	30.5	30.6	31.3
GE 14000	9.8	17.1	18.1	21.5	23.6	24.8	25.5	27.8	28.8	29.6	29.9	30.0	30.2	30.5	30.6	31.3
GE 12000	10.6	18.2	19.3	22.8	25.0	26.2	27.0	29.3	30.3	31.2	31.5	31.6	31.7	32.0	32.2	32.8
GE 10000	12.4	20.9	22.2	26.1	28.4	29.6	30.4	32.9	33.9	34.7	35.5	35.1	35.3	35.6	35.7	36.4
GE 9000	16.1	26.5	28.0	32.3	34.8	36.2	37.1	39.7	40.8	41.8	42.1	42.3	42.4	42.7	42.9	43.6
GE 8000	16.8	28.1	29.7	34.2	36.9	38.3	39.2	42.0	43.1	44.2	44.6	44.7	44.9	45.2	45.3	46.0
GE 7000	16.8	28.2	29.9	34.4	37.0	38.5	39.4	42.3	43.4	44.5	44.9	45.0	45.2	45.4	45.6	46.3
GE 6000	17.2	28.9	30.6	35.1	37.7	39.2	40.1	43.0	44.1	45.2	45.6	45.7	45.9	46.2	46.3	47.0
GE 5000	18.5	32.5	34.2	38.8	41.5	43.1	44.0	46.9	48.0	49.1	49.5	49.6	49.8	50.1	50.3	51.0
GE 4500	19.4	34.4	36.2	40.8	43.5	45.1	46.1	49.0	50.2	51.3	51.7	51.8	52.0	52.3	52.5	53.2
GE 4000	21.5	39.0	41.1	46.2	49.0	50.7	51.7	54.8	56.0	57.2	57.6	57.7	57.9	58.2	58.4	59.1
GE 3500	22.7	41.3	43.5	48.8	51.6	53.4	54.4	57.6	58.8	60.0	60.4	60.5	60.7	61.1	61.2	61.9
GE 3000	24.5	45.3	47.8	53.6	56.7	58.6	59.7	63.1	64.4	65.7	66.1	66.2	66.4	66.8	66.9	67.6
GE 2500	25.9	49.0	51.8	58.2	61.8	63.9	65.1	68.8	70.2	71.5	72.0	72.1	72.3	72.7	72.9	73.6
GE 2000	26.8	51.8	54.9	62.0	65.9	68.5	70.0	74.1	75.7	77.1	77.5	77.6	77.9	78.3	78.5	79.2
GE 1800	27.0	52.7	55.8	63.3	67.3	69.9	71.6	75.7	77.4	78.8	79.2	79.3	79.6	80.0	80.2	80.9
GE 1500	27.4	54.1	57.4	65.5	69.8	72.6	74.8	79.4	81.2	82.8	83.3	83.5	83.7	84.1	84.3	85.0
GE 1200	27.5	55.0	58.5	67.0	71.6	74.7	76.8	81.7	83.6	85.3	85.9	86.1	86.3	86.7	86.9	87.6
GE 1000	27.5	55.2	58.8	67.6	72.4	75.7	77.9	83.1	85.3	87.2	87.8	88.0	88.3	88.7	88.9	89.6
GE 900	27.5	55.3	58.8	67.8	72.6	75.9	78.1	83.5	85.7	87.7	88.4	88.5	88.8	89.2	89.4	90.1
GE 800	27.5	55.4	59.0	68.0	73.0	76.4	78.6	84.3	86.6	88.8	89.4	89.6	89.9	90.3	90.6	91.3
GE 700	27.6	55.4	59.0	68.2	73.2	76.7	79.0	84.9	87.2	89.6	90.3	90.4	90.8	91.2	91.4	92.1
GE 600	27.6	55.4	59.0	68.2	73.4	76.9	79.4	85.5	88.0	90.5	91.3	91.5	91.9	92.3	92.5	93.2
GE 500	27.6	55.5	59.0	68.3	73.5	77.1	79.7	86.2	88.9	91.6	92.5	92.7	93.1	93.6	93.8	94.5
GE 400	27.6	55.5	59.1	68.4	73.6	77.3	80.0	86.8	89.5	92.5	93.5	93.7	94.2	94.7	95.0	95.7
GE 300	27.6	55.5	59.1	68.4	73.7	77.4	80.0	87.0	90.0	93.2	94.4	94.8	95.6	96.3	96.5	97.3
GE 200	27.6	55.5	59.1	68.4	73.7	77.4	80.1	87.0	90.1	93.5	94.8	95.2	96.2	97.1	97.5	98.5
GE 100	27.6	55.5	59.1	68.4	73.7	77.4	80.1	87.0	90.1	93.5	94.8	95.3	96.4	97.4	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7382

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(IST): 0000-0200

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 17	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	9.2	22.4	24.1	26.3	30.4	32.2	33.2	34.6	35.6	36.1	36.3	36.3	36.3	36.3	36.3	36.6
GE 20000	10.2	25.1	27.1	31.6	34.0	36.1	37.1	38.6	39.6	40.2	40.3	40.3	40.3	40.3	40.3	40.7
GE 18000	10.2	25.1	27.1	31.6	34.0	36.1	37.1	38.6	39.6	40.2	40.3	40.3	40.3	40.3	40.3	40.7
GE 16000	10.2	25.1	27.1	31.6	34.0	36.1	37.1	38.6	39.6	40.2	40.3	40.3	40.3	40.3	40.3	40.7
GE 14000	10.2	25.2	27.2	31.7	34.1	36.3	37.2	38.8	39.7	40.3	40.4	40.4	40.4	40.4	40.4	40.8
GE 12000	10.5	25.6	27.6	32.1	34.5	37.0	37.9	39.5	40.4	41.0	41.1	41.1	41.1	41.1	41.1	41.5
GE 10000	12.2	28.4	30.4	35.1	37.5	40.0	41.0	42.6	43.6	44.2	44.4	44.4	44.4	44.4	44.4	44.8
GE 9000	13.8	30.9	33.2	38.3	40.7	43.2	44.2	45.8	46.8	47.4	47.6	47.6	47.6	47.6	47.6	48.0
GE 8000	14.3	31.7	34.1	39.2	41.6	44.2	45.4	47.0	48.2	48.8	48.9	48.9	48.9	48.9	48.9	49.3
GE 7000	14.5	32.0	34.4	39.5	41.9	44.5	45.7	47.2	48.4	49.0	49.1	49.1	49.1	49.1	49.1	49.6
GE 6000	14.9	32.7	35.1	40.2	42.6	45.2	46.4	47.9	49.1	49.7	49.8	49.8	49.8	49.8	49.8	50.3
GE 5000	16.3	39.0	41.6	47.1	49.5	52.1	53.4	55.2	56.4	57.0	57.1	57.1	57.1	57.1	57.1	57.6
GE 4500	17.0	40.3	42.9	48.6	51.1	53.9	55.2	57.3	58.5	59.1	59.2	59.2	59.2	59.2	59.2	59.7
GE 4000	18.2	44.2	46.8	53.2	55.8	58.5	59.9	62.1	63.3	63.9	64.0	64.0	64.0	64.1	64.1	64.6
GE 3500	18.4	45.5	48.4	54.7	57.6	60.3	61.7	63.9	65.0	65.6	65.8	65.8	65.8	65.9	65.9	66.3
GE 3000	19.4	48.9	52.3	59.0	62.2	64.9	66.5	69.2	70.4	71.0	71.1	71.1	71.1	71.2	71.2	71.7
GE 2500	19.8	50.8	54.8	61.7	66.0	69.1	70.7	74.1	75.3	75.9	76.0	76.0	76.0	76.1	76.1	76.6
GE 2000	20.5	51.6	56.5	63.7	68.5	71.7	73.7	77.1	78.2	78.8	79.0	79.0	79.0	79.1	79.1	79.5
GE 1800	20.9	52.6	57.8	65.3	70.0	73.4	75.6	78.7	80.3	80.9	81.0	81.0	81.0	81.1	81.1	81.6
GE 1500	21.2	53.9	59.7	67.9	72.8	76.2	79.4	82.6	84.4	85.3	85.4	85.4	85.4	85.5	85.5	86.0
GE 1200	21.3	54.2	60.0	68.4	73.2	76.6	79.1	83.9	85.9	86.6	86.9	86.9	86.9	87.0	87.0	87.5
GE 1000	21.3	54.3	60.2	68.6	74.0	77.6	80.4	85.7	88.0	88.9	89.1	89.1	89.1	89.2	89.2	89.7
GE 900	21.3	54.3	60.2	68.8	74.4	78.5	81.3	86.7	89.1	90.1	90.2	90.2	90.2	90.4	90.4	90.8
GE 800	21.3	54.3	60.2	68.8	74.8	79.2	82.4	87.9	90.2	91.7	92.0	92.0	92.0	92.2	92.2	92.6
GE 700	21.3	54.3	60.2	69.0	74.9	79.4	82.9	88.8	91.2	92.7	93.1	93.1	93.1	93.2	93.2	93.7
GE 600	21.3	54.3	60.2	69.0	74.9	79.5	83.0	89.2	91.7	93.3	93.8	93.8	93.8	93.9	93.9	94.4
GE 500	21.3	54.3	60.2	69.1	75.1	79.9	83.6	90.5	93.0	94.8	95.4	95.6	95.6	95.7	95.7	96.2
GE 400	21.3	54.3	60.2	69.1	75.1	80.1	83.8	90.7	93.7	95.8	96.4	96.7	96.7	96.8	96.8	97.3
GE 300	21.3	54.3	60.2	69.1	75.1	80.1	83.9	91.2	94.4	96.7	97.5	98.0	98.0	98.2	98.2	98.7
GE 200	21.3	54.3	60.2	69.1	75.1	80.1	83.9	91.2	94.5	96.9	98.0	98.6	98.6	98.8	98.9	99.4
GE 100	21.3	54.3	60.2	69.1	75.1	80.1	83.9	91.2	94.5	97.0	98.1	98.7	98.7	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 841

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(LST): 0300-0500

CEILING IN FEET	1 160	GE 200	GE 240	GE 280	GE 320	GE 360	GE 400	GE 440	GE 480	GE 520	GE 560	GE 600	GE 640	GE 680	GE 720	GE 760	GE 800	GE 840	GE 880	GE 920	GE 960	GE 1000
NO CEIL	8.0	20.1	22.1	25.2	27.0	28.2	29.3	33.0	33.7	33.9	34.5	34.8	35.0	35.1	35.1	35.2						
GE 20000	8.6	22.3	24.3	28.0	30.1	31.5	32.6	36.7	37.4	37.6	38.2	38.5	38.8	38.9	39.0	39.2						
GE 18000	8.6	22.3	24.3	28.0	30.1	31.5	32.6	36.7	37.4	37.6	38.2	38.5	38.8	38.9	39.0	39.2						
GE 16000	8.6	22.3	24.3	28.0	30.1	31.5	32.6	36.7	37.4	37.6	38.2	38.5	38.8	38.9	39.0	39.2						
GE 14000	8.6	22.3	24.4	28.2	30.4	31.6	32.9	36.9	37.6	37.9	38.5	38.7	39.0	39.2	39.3	39.4						
GE 12000	8.8	22.6	24.8	28.6	30.8	32.6	33.7	37.7	38.5	38.7	39.3	39.5	39.9	40.0	40.1	40.2						
GE 10000	10.2	24.8	26.9	30.7	33.1	34.9	36.7	40.0	40.7	41.0	41.5	41.8	42.1	42.3	42.4	42.9						
GE 9000	11.4	26.5	28.8	33.1	35.6	37.4	38.5	42.7	43.5	43.7	44.3	44.5	44.9	45.0	45.1	45.6						
GE 8000	11.4	26.9	29.3	33.6	36.2	38.0	39.0	43.5	44.2	44.4	45.0	45.2	45.6	45.7	45.8	46.3						
GE 7000	11.5	27.0	29.4	33.7	36.3	38.1	39.2	43.6	44.3	44.5	45.1	45.4	45.7	45.8	46.0	46.4						
GE 6000	11.7	28.2	30.6	34.9	37.5	39.3	40.4	44.8	45.5	45.7	46.3	46.5	46.9	47.0	47.1	47.6						
GE 5000	11.8	32.3	34.6	39.0	41.7	43.5	44.5	48.9	49.6	49.8	50.4	50.7	51.1	51.2	51.3	51.8						
GE 4500	13.1	34.9	37.3	41.7	44.3	46.1	47.4	51.9	52.6	52.9	53.5	53.7	54.0	54.2	54.3	54.8						
GE 4000	14.4	38.0	40.4	45.0	48.1	49.9	51.3	56.1	56.8	57.0	57.6	57.9	58.2	58.3	58.5	58.9						
GE 3500	15.0	39.8	42.6	47.3	50.4	52.1	53.6	58.6	59.3	59.5	60.1	60.4	60.7	60.8	61.0	61.4						
GE 3000	16.0	41.8	44.8	49.6	52.9	54.8	56.5	62.1	62.9	63.1	63.7	63.9	64.3	64.4	64.5	65.0						
GE 2500	16.8	43.7	46.9	52.6	56.3	59.2	61.1	67.4	68.1	68.6	69.2	69.4	69.8	69.9	70.0	70.5						
GE 2000	17.6	46.4	49.6	56.5	60.5	63.6	66.0	72.5	73.3	73.8	74.4	74.6	75.0	75.1	75.2	75.7						
GE 1800	17.7	47.3	50.6	58.0	62.0	65.1	67.9	74.5	75.6	76.2	76.8	77.0	77.4	77.5	77.6	78.1						
GE 1600	18.1	48.9	52.9	60.8	65.2	68.5	71.5	78.7	79.9	80.5	81.1	81.3	81.7	81.9	82.0	82.5						
GE 1200	18.1	49.4	53.5	62.1	66.7	69.9	73.2	80.6	81.8	82.4	83.1	83.3	83.7	83.9	84.0	84.5						
GE 1000	18.1	49.8	53.9	62.5	67.1	70.3	73.6	81.0	82.2	82.8	83.5	83.7	84.1	84.3	84.4	84.9						
GE 900	18.1	49.8	53.9	62.5	67.1	70.3	73.6	81.0	82.2	82.8	83.5	83.7	84.1	84.3	84.4	84.9						
GE 800	18.1	50.0	54.2	63.7	68.3	71.5	74.8	82.2	83.4	84.0	84.7	84.9	85.3	85.5	85.6	86.1						
GE 700	18.1	50.1	54.3	63.9	68.5	71.7	75.0	82.4	83.6	84.2	84.9	85.1	85.5	85.7	85.8	86.3						
GE 600	18.1	50.1	54.3	64.2	68.8	72.0	75.3	82.7	83.9	84.5	85.2	85.4	85.8	86.0	86.1	86.6						
GE 500	18.1	50.1	54.3	64.2	68.8	72.0	75.3	82.7	83.9	84.5	85.2	85.4	85.8	86.0	86.1	86.6						
GE 400	18.1	50.1	54.3	64.2	68.8	72.0	75.3	82.7	83.9	84.5	85.2	85.4	85.8	86.0	86.1	86.6						
GE 300	18.1	50.1	54.3	64.2	68.8	72.0	75.3	82.7	83.9	84.5	85.2	85.4	85.8	86.0	86.1	86.6						
GE 200	18.1	50.1	54.3	64.2	68.8	72.0	75.3	82.7	83.9	84.5	85.2	85.4	85.8	86.0	86.1	86.6						
GE 100	18.1	50.1	54.3	64.2	68.8	72.0	75.3	82.7	83.9	84.5	85.2	85.4	85.8	86.0	86.1	86.6						
GE 0	18.1	50.1	54.3	64.2	68.8	72.0	75.3	82.7	83.9	84.5	85.2	85.4	85.8	86.0	86.1	86.6						

TOTAL NUMBER OF OBSERVATIONS: 940

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS (LST): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	GE 160	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	1	5.0	13.4	15.0	19.3	21.6	22.9	23.5	27.0	28.1	29.8	33.7	31.0	31.6	32.5	32.5	33.0
GE 20000	6.3	15.4	17.3	21.7	24.1	25.7	26.4	30.1	31.4	33.1	34.2	34.5	35.1	36.3	36.3	36.8	
GE 18000	6.3	15.4	17.3	21.7	24.1	25.7	26.4	30.1	31.4	33.1	34.2	34.5	35.1	36.3	36.3	36.8	
GE 16000	6.3	15.4	17.3	21.7	24.1	25.7	26.4	30.1	31.4	33.1	34.2	34.5	35.1	36.3	36.3	36.8	
GE 14000	6.3	15.4	17.3	21.7	24.1	25.7	26.4	30.1	31.4	33.1	34.2	34.5	35.1	36.3	36.3	36.8	
GE 12000	6.6	16.3	18.3	23.0	25.7	27.3	28.0	31.8	33.1	34.8	35.8	36.2	36.8	37.9	37.9	38.4	
GE 10000	7.4	17.7	19.9	24.6	27.2	28.8	29.6	33.6	35.0	36.8	37.9	38.3	38.9	40.1	40.1	40.5	
GE 9000	9.2	21.0	23.2	28.1	31.0	32.9	33.7	37.7	39.1	40.9	42.1	42.4	43.0	44.2	44.2	44.7	
GE 8000	9.7	22.0	24.2	29.3	32.2	34.0	34.9	39.0	40.5	42.7	43.9	44.2	44.8	46.0	46.0	46.5	
GE 7000	9.7	22.0	24.2	29.3	32.2	34.0	34.9	39.0	40.5	42.7	43.9	44.2	44.8	46.0	46.0	46.5	
GE 6000	9.9	22.9	25.4	30.7	33.6	35.5	36.4	40.5	42.1	44.2	45.4	45.7	46.3	47.5	47.5	48.0	
GE 5000	11.1	26.2	28.7	34.0	36.9	38.8	39.7	43.9	45.4	47.5	48.7	49.1	49.6	50.8	50.8	51.3	
GE 4500	11.9	27.8	30.3	35.7	38.5	40.4	41.4	45.9	47.5	49.6	50.8	51.2	51.9	53.0	53.0	53.4	
GE 4000	12.8	29.6	32.4	37.9	41.0	42.9	44.0	48.7	50.4	52.6	53.8	54.1	54.7	55.9	55.9	56.4	
GE 3500	13.1	30.9	33.6	39.2	42.3	44.2	45.3	50.0	51.7	53.9	55.1	55.4	56.0	57.2	57.2	57.7	
GE 3000	14.5	33.9	36.6	42.8	46.0	47.9	48.9	54.1	55.8	58.2	59.3	59.8	60.4	61.6	61.6	62.1	
GE 2500	15.2	35.7	38.4	45.2	48.7	51.3	52.8	59.7	61.6	64.2	65.5	66.0	66.6	67.7	67.7	68.2	
GE 2000	15.7	37.5	40.3	47.6	51.3	54.3	56.4	64.7	66.7	69.4	70.7	71.2	71.7	72.9	72.9	73.4	
GE 1800	16.0	37.8	40.7	48.2	51.9	55.0	57.3	65.8	68.0	70.7	72.0	72.5	73.0	74.2	74.2	74.7	
GE 1500	16.2	39.0	42.1	50.8	55.2	58.5	61.1	70.1	72.5	75.3	76.6	77.1	77.7	78.8	78.8	79.3	
GE 1200	16.3	39.8	43.3	52.8	58.0	61.6	64.7	74.6	77.4	80.4	81.8	82.3	82.9	84.0	84.0	84.5	
GE 1000	16.3	40.1	43.6	53.3	58.9	62.4	65.7	76.2	79.2	82.3	83.7	84.2	84.8	85.9	85.9	86.4	
GE 900	16.3	40.4	44.1	54.0	59.6	63.1	66.4	77.1	80.0	83.1	84.5	85.0	85.6	86.8	86.8	87.2	
GE 800	16.3	40.4	44.2	54.1	59.8	63.4	67.0	78.3	81.4	84.6	86.1	86.5	87.1	88.3	88.3	88.8	
GE 700	16.3	40.4	44.2	54.4	60.3	64.1	68.3	83.3	83.8	87.1	89.5	89.0	89.6	90.8	90.8	91.3	
GE 600	16.3	40.4	44.2	54.4	60.3	64.2	68.6	83.9	84.8	88.2	89.7	90.2	90.8	92.0	92.0	92.4	
GE 500	16.3	40.4	44.2	54.4	60.3	64.4	68.8	81.8	86.2	90.3	92.0	92.4	93.0	94.2	94.2	94.7	
GE 400	16.3	40.4	44.2	54.4	60.3	64.4	68.8	82.5	87.4	92.3	94.0	94.6	95.2	96.3	96.3	96.8	
GE 300	16.3	40.4	44.2	54.5	60.4	64.5	68.9	82.7	87.8	93.1	95.0	95.6	96.2	97.4	97.4	97.9	
GE 200	16.3	40.4	44.2	54.5	60.4	64.5	68.9	82.7	87.8	93.5	95.5	96.3	97.0	98.5	98.5	99.1	
GE 100	16.3	40.4	44.2	54.5	60.4	64.5	68.9	82.7	87.8	93.5	95.6	96.5	97.2	98.6	98.6	99.6	
GE 0	16.3	40.4	44.2	54.5	60.4	64.5	68.9	82.7	87.8	93.5	95.6	96.5	97.2	98.6	98.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(LST): 0900-1100

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	IN 1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	3.0	9.1	10.3	14.9	17.2	19.1	20.6	24.9	26.3	28.0	29.3	29.3	29.7	30.5	32.5	31.2
GE 20000	4.9	11.5	13.5	18.8	21.8	23.9	25.4	30.1	31.7	33.7	35.1	35.1	35.5	36.3	36.3	37.0
GE 18000	4.9	11.6	13.5	18.8	21.8	23.9	25.4	30.1	31.7	33.7	35.1	35.1	35.5	36.3	36.3	37.0
GE 16000	4.9	11.6	13.5	18.8	21.8	23.9	25.4	30.1	31.7	33.7	35.1	35.1	35.5	36.3	36.3	37.0
GE 14000	4.9	11.8	13.5	18.8	21.8	23.9	25.4	30.1	31.7	33.7	35.1	35.1	35.5	36.3	36.3	37.0
GE 12000	6.2	13.6	15.5	20.9	23.9	26.0	27.6	32.3	34.0	36.0	37.4	37.4	37.8	38.6	38.6	39.3
GE 10000	7.5	15.6	17.5	23.0	26.0	28.2	29.8	34.6	36.2	38.2	39.6	39.6	40.0	40.8	43.8	41.5
GE 9000	9.7	19.1	20.9	26.6	30.4	32.9	34.9	39.8	41.5	43.7	45.2	45.2	45.6	46.4	46.4	47.1
GE 8000	10.9	20.4	22.5	28.3	32.2	34.9	36.9	42.2	44.1	46.5	48.2	48.2	48.5	49.3	49.3	50.1
GE 7000	11.0	20.5	22.6	28.4	32.3	35.0	37.0	42.4	44.3	46.6	48.3	48.3	48.6	49.5	49.5	50.2
GE 6000	11.7	21.4	23.6	29.6	33.6	36.4	38.5	43.8	45.7	48.2	49.8	49.8	50.2	51.0	51.0	51.7
GE 5000	12.2	22.8	25.0	31.0	35.0	37.9	39.9	45.3	47.2	49.7	51.5	51.5	51.8	52.7	52.7	53.4
GE 4500	12.9	23.9	26.0	32.1	36.1	38.9	40.9	46.4	48.2	51.2	53.0	53.0	53.4	54.2	54.2	54.9
GE 4000	13.7	25.6	28.0	34.3	38.5	41.4	43.4	48.9	51.4	54.4	56.2	56.2	56.6	57.4	57.4	58.1
GE 3500	14.4	26.9	29.5	35.9	40.0	43.0	45.0	50.5	53.4	56.4	58.2	58.2	58.6	59.4	59.4	60.1
GE 3000	15.0	29.6	32.4	39.2	43.6	46.5	48.6	54.2	57.2	60.4	62.1	62.1	62.5	63.3	63.3	64.0
GE 2500	16.0	31.6	34.7	41.8	46.4	49.7	52.1	58.8	62.0	65.8	67.9	67.9	68.3	69.1	69.1	69.8
GE 2000	16.7	33.1	36.3	44.0	48.9	52.4	55.0	61.1	66.6	70.5	72.8	72.8	73.1	74.0	74.0	74.7
GE 1800	17.0	34.1	37.4	45.6	50.5	54.2	56.9	63.1	68.8	72.7	74.9	74.9	75.3	76.1	76.1	76.8
GE 1500	17.4	35.1	38.5	47.5	53.3	57.8	60.7	70.2	74.1	78.3	80.7	80.7	81.1	81.9	81.9	82.6
GE 1200	17.4	35.4	38.8	48.3	54.8	59.6	62.8	73.0	77.2	81.7	84.0	84.0	84.4	85.2	85.2	85.9
GE 1000	17.4	35.4	38.8	48.6	55.4	60.9	64.7	75.4	80.0	84.5	86.9	86.9	87.2	88.0	88.0	88.8
GE 900	17.4	35.4	38.8	48.9	55.6	61.3	65.2	76.2	80.9	85.7	89.0	89.0	89.4	89.2	89.2	89.9
GE 800	17.4	35.4	38.8	48.9	55.7	61.4	65.4	76.8	82.0	87.3	89.8	89.8	90.2	91.0	91.0	91.7
GE 700	17.4	35.4	38.8	49.0	56.0	61.7	65.7	77.3	82.5	88.0	90.5	90.5	91.1	92.0	92.0	92.7
GE 600	17.4	35.4	38.8	49.0	56.0	61.7	65.8	78.2	83.8	90.1	92.9	93.0	93.7	94.6	94.6	95.3
GE 500	17.4	35.4	38.8	49.0	56.0	61.7	65.9	78.7	84.3	90.8	93.7	94.0	94.8	95.6	95.6	96.3
GE 400	17.4	35.4	38.8	49.0	56.0	61.7	65.9	78.7	84.6	91.4	94.4	94.8	95.7	96.6	96.6	97.3
GE 300	17.4	35.4	38.8	49.0	56.0	61.7	65.9	78.9	85.7	92.3	95.5	96.0	97.2	98.0	98.0	98.7
GE 200	17.4	35.4	38.8	49.0	56.0	61.7	65.9	78.9	85.1	92.5	96.0	96.6	97.8	98.6	98.6	99.3
GE 100	17.4	35.4	38.8	49.0	56.0	61.7	65.9	78.9	85.1	92.5	96.1	96.7	98.0	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 945

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS(IST): 1200-1400

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	GE 160	GE 90	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	GE 0
NO CEIL	7.6	16.8	10.5	23.3	25.3	27.5	29.2	31.2	31.5	32.0	32.1	32.1	32.1	32.1	32.6
GE 20000	9.9	20.3	23.6	28.6	30.9	33.3	34.9	37.0	37.3	37.8	37.9	37.9	37.9	37.9	38.4
GE 18000	9.9	20.3	23.6	28.6	30.9	33.3	34.9	37.0	37.3	37.8	37.9	37.9	37.9	37.9	38.4
GE 16000	9.9	20.3	23.6	28.6	30.9	33.3	34.9	37.0	37.3	37.8	37.9	37.9	37.9	37.9	38.4
GE 14000	9.9	20.3	23.6	28.6	30.9	33.3	34.9	37.0	37.3	37.8	37.9	37.9	37.9	37.9	38.4
GE 12000	11.0	21.6	24.9	30.0	32.3	34.7	36.4	38.4	38.7	39.2	39.3	39.3	39.3	39.3	39.8
GE 10000	12.4	24.6	28.0	33.3	35.7	38.0	39.7	41.7	42.6	42.5	42.6	42.6	42.6	42.6	43.1
GE 9000	14.2	27.9	31.5	37.3	40.3	42.9	44.5	46.6	47.1	47.6	47.7	47.7	47.7	47.7	48.2
GE 8000	14.4	28.1	32.0	37.8	40.7	43.3	45.0	47.6	48.3	48.8	48.9	48.9	48.9	48.9	49.4
GE 7000	14.5	28.2	32.1	37.9	40.9	43.4	45.1	47.7	48.4	48.9	49.0	49.0	49.0	49.0	49.5
GE 6000	14.8	28.5	32.3	38.1	41.2	43.8	45.6	48.5	49.2	49.7	49.8	49.8	49.8	49.8	50.3
GE 5000	15.6	31.2	35.1	40.9	43.9	46.5	48.3	51.2	51.9	52.5	52.7	52.7	52.7	52.7	53.1
GE 4500	15.8	31.9	35.0	41.6	44.6	47.2	49.0	51.9	52.8	53.4	53.5	53.5	53.5	53.5	54.0
GE 4000	17.0	34.0	38.1	44.3	47.5	50.1	51.8	54.9	55.7	56.4	56.6	56.6	56.6	56.6	57.0
GE 3500	17.6	35.2	39.4	46.0	49.6	52.3	54.3	57.9	58.7	59.4	59.6	59.6	59.6	59.6	60.1
GE 3000	19.8	39.0	43.3	50.3	54.1	56.8	58.8	62.6	63.4	64.2	64.5	64.6	64.6	64.6	65.1
GE 2500	21.1	41.3	45.8	54.0	58.0	61.0	63.3	67.8	68.7	70.1	70.4	70.5	70.5	70.5	71.0
GE 2000	21.7	42.7	47.5	56.7	61.7	65.2	67.7	72.7	73.9	75.7	75.9	76.4	76.4	76.4	76.9
GE 1800	22.2	44.0	48.9	59.3	64.7	68.2	70.7	75.9	77.2	79.1	79.3	79.8	79.8	79.8	80.3
GE 1500	22.3	44.9	49.7	60.6	66.6	70.5	73.1	79.0	80.8	82.8	83.0	83.5	83.5	83.5	84.0
GE 1200	22.4	45.8	50.6	62.1	68.6	72.6	75.3	82.6	84.9	86.9	87.1	87.6	87.6	87.7	88.2
GE 1000	22.6	46.3	51.1	63.0	70.2	74.9	77.7	85.8	88.8	91.0	91.3	91.7	91.7	91.9	92.3
GE 900	22.7	46.4	51.4	63.3	70.5	75.1	77.9	86.1	89.0	91.3	91.5	92.0	92.0	92.1	92.6
GE 800	22.7	46.5	51.5	63.4	70.7	75.3	78.2	87.0	90.0	92.3	92.6	93.0	93.0	93.2	93.6
GE 700	22.7	46.6	51.6	63.6	71.3	75.9	79.1	88.5	91.9	94.7	95.0	95.5	95.5	95.6	96.1
GE 600	22.7	46.6	51.6	63.6	71.5	76.2	79.5	89.3	92.6	95.7	96.3	96.9	96.9	97.0	97.5
GE 500	22.7	46.6	51.6	63.6	71.5	76.2	79.5	89.3	92.7	96.3	96.9	97.8	97.9	98.0	98.5
GE 400	22.7	46.6	51.6	63.6	71.5	76.2	79.5	89.4	92.9	96.9	97.0	98.7	98.8	98.9	99.4
GE 300	22.7	46.6	51.6	63.6	71.5	76.2	79.5	89.4	92.9	96.9	97.0	98.8	98.9	99.1	99.5
GE 200	22.7	46.6	51.6	63.6	71.5	76.2	79.5	89.4	92.9	96.9	97.1	98.9	99.1	99.3	100.0
GE 100	22.7	46.6	51.6	63.6	71.5	76.2	79.5	89.4	92.9	96.9	97.1	98.9	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 247

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-89
MONTH: FEB HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	11.6	19.3	20.6	24.3	27.6	29.1	30.8	32.1	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 20000	14.5	24.2	25.7	29.7	33.6	35.7	37.4	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 18000	14.5	24.2	25.7	29.7	33.6	35.7	37.4	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 16000	14.5	24.2	25.7	29.7	33.6	35.7	37.4	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 14000	14.5	24.2	25.7	29.7	33.6	35.7	37.4	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 12000	15.2	25.4	26.9	31.0	35.0	37.0	39.0	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 10000	16.6	27.1	28.7	33.1	37.0	39.0	41.0	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 9000	19.3	31.9	33.6	38.2	42.2	44.3	46.4	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 8000	19.7	33.2	35.0	39.5	43.7	45.9	48.1	49.6	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 7000	19.9	33.4	35.2	39.7	44.0	46.1	48.3	49.9	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 6000	20.0	33.6	35.4	40.2	44.4	46.6	48.8	50.6	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 5000	21.2	37.6	39.5	44.4	48.7	50.8	53.1	54.9	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 4500	21.9	38.5	40.4	45.5	49.8	51.9	54.1	55.9	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 4000	24.1	41.9	44.1	50.0	54.6	56.8	59.1	60.9	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 3500	25.4	44.4	46.7	52.6	57.6	60.1	62.8	64.9	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 3000	27.3	48.0	50.5	56.9	62.3	65.3	68.2	70.6	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 2500	28.7	49.8	52.4	60.0	65.9	69.3	72.4	75.2	75.8	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 2000	29.6	52.3	55.0	63.4	69.3	73.0	76.1	79.3	79.9	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 1800	29.9	52.6	55.5	64.7	70.7	74.5	77.8	81.3	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 1500	30.1	53.6	56.9	67.4	73.9	78.3	81.9	85.9	87.0	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1200	30.3	54.0	57.5	68.1	74.8	79.4	83.2	87.9	89.3	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1000	30.5	54.1	57.6	68.4	75.1	80.0	84.1	89.6	91.4	91.9	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 900	30.6	54.1	57.6	68.4	75.1	80.0	84.5	90.0	91.8	92.7	93.2	93.4	93.4	93.4	93.4	93.4	93.4
GE 800	30.6	54.1	57.6	68.4	75.4	80.2	84.8	90.6	92.9	93.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0
GE 700	30.6	54.1	57.6	68.4	75.4	80.2	85.0	91.2	93.6	94.5	95.5	95.7	95.7	95.7	95.7	95.7	95.7
GE 600	30.6	54.1	57.6	68.4	75.4	80.2	85.2	91.7	94.2	95.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
GE 500	30.6	54.1	57.6	68.4	75.4	80.2	85.3	91.8	94.3	95.3	96.3	96.7	97.0	97.3	97.5	97.5	97.5
GE 400	30.6	54.1	57.6	68.4	75.4	80.2	85.3	91.8	94.3	95.3	96.3	97.2	97.5	97.9	98.1	98.1	98.1
GE 300	30.6	54.1	57.6	68.4	75.4	80.2	85.3	92.1	94.9	96.0	97.0	98.1	98.5	98.8	99.1	99.1	99.1
GE 200	30.6	54.1	57.6	68.4	75.4	80.2	85.3	92.1	94.9	96.0	97.2	98.2	99.1	99.4	99.6	99.6	99.6
GE 100	30.6	54.1	57.6	68.4	75.4	80.2	85.3	92.1	94.9	96.0	97.2	98.2	99.1	99.6	99.9	100.0	100.0
GE 0	30.6	54.1	57.6	68.4	75.4	80.2	85.3	92.1	94.9	96.0	97.2	98.2	99.1	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107780 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS (LST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	60	90	80	60	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	1	10.0	18.9	21.4	26.0	28.5	29.9	30.5	31.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 20000	12.1	23.6	26.5	31.9	35.0	36.7	38.0	39.2	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 18000	12.1	23.6	26.5	31.9	35.0	36.7	38.0	39.2	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 16000	12.1	23.6	26.5	31.9	35.0	36.7	38.0	39.2	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 14000	12.1	23.6	26.5	31.9	35.0	36.7	38.0	39.2	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 12000	12.9	24.9	27.7	33.1	36.2	37.9	39.2	40.4	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 10000	13.8	26.6	29.3	35.2	38.2	39.9	41.2	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 9000	16.0	29.5	32.7	38.8	42.2	43.8	45.1	46.4	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 8000	16.4	30.3	33.6	39.6	43.2	44.9	46.3	47.9	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 7000	16.4	30.3	33.6	39.6	43.2	44.9	46.3	47.9	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 6000	16.9	30.9	34.2	40.4	43.8	45.5	46.9	48.5	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 5000	18.1	35.7	39.1	45.4	48.8	50.5	51.9	53.4	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 4500	19.6	38.1	41.3	47.9	51.3	53.0	54.4	55.9	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 4000	21.5	42.0	45.7	52.9	56.5	58.2	59.9	61.5	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 3500	22.7	43.8	47.7	55.2	58.9	60.7	62.4	64.1	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 3000	23.9	46.8	51.0	59.6	63.7	65.6	67.5	69.7	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 2500	24.9	49.2	53.7	62.7	67.2	69.2	71.5	74.1	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 2000	26.4	51.1	55.9	65.8	70.8	73.3	75.8	79.1	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1800	26.5	51.5	56.5	66.7	72.1	74.6	77.1	80.8	81.6	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1600	26.6	52.0	57.2	68.8	75.2	78.1	81.1	85.6	86.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1400	26.7	52.2	57.6	69.8	76.4	80.2	83.7	88.6	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1200	26.7	52.5	57.8	70.2	76.8	80.9	84.6	89.3	91.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	26.7	52.5	57.8	70.3	77.0	81.0	84.8	89.9	91.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 900	26.7	52.5	57.8	70.3	77.0	81.2	85.2	90.4	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 800	26.7	52.5	57.8	70.3	77.3	81.8	85.9	91.4	93.3	94.9	95.2	95.2	95.2	95.4	95.4	95.4	95.4
GE 700	26.7	52.5	57.8	70.4	77.6	82.2	86.5	92.3	94.2	95.7	96.1	96.1	96.2	96.2	96.2	96.2	96.2
GE 600	26.7	52.5	57.8	70.4	77.6	82.2	86.5	92.6	94.8	96.4	96.8	96.8	96.8	96.9	96.9	96.9	96.9
GE 500	26.7	52.5	57.8	70.4	77.6	82.2	86.5	92.8	95.1	97.0	97.5	97.5	97.6	97.6	97.6	97.6	97.6
GE 400	26.7	52.5	57.8	70.4	77.6	82.2	86.5	93.2	95.7	98.0	98.5	98.8	98.9	98.9	98.9	98.9	98.9
GE 300	26.7	52.5	57.8	70.4	77.6	82.2	86.5	93.2	95.7	98.2	98.8	99.2	99.4	99.4	99.4	99.4	100.0
GE 200	26.7	52.5	57.8	70.4	77.6	82.2	86.5	93.2	95.7	98.2	98.8	99.2	99.4	99.4	99.4	99.4	100.0
GE 100	26.7	52.5	57.8	70.4	77.6	82.2	86.5	93.2	95.7	98.2	98.8	99.2	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 842

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB HOURS (LST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 100	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 9	GE 5	GE 4	GE 0
NO CEIL	10.3	24.3	26.3	30.7	33.4	34.4	34.6	35.3	35.5	35.7	35.7	35.7	35.8	36.0	36.1	36.1
GE 20000	11.4	27.3	29.5	34.6	37.4	38.9	39.2	40.0	40.3	40.5	40.5	40.5	40.5	40.6	40.9	41.0
GE 18000	11.4	27.3	29.5	34.6	37.4	38.9	39.2	40.0	40.3	40.5	40.5	40.5	40.5	40.6	40.9	41.0
GE 16000	11.4	27.3	29.5	34.6	37.4	38.9	39.2	40.0	40.3	40.5	40.5	40.5	40.5	40.6	40.9	41.0
GE 14000	11.4	27.3	29.5	34.6	37.4	38.9	39.2	40.0	40.3	40.5	40.5	40.5	40.5	40.6	40.9	41.0
GE 12000	11.7	27.8	30.1	35.2	38.0	39.5	39.8	40.6	40.9	41.1	41.1	41.1	41.1	41.2	41.5	41.6
GE 10000	13.0	30.1	32.3	37.6	40.4	41.8	42.2	43.0	43.2	43.5	43.5	43.5	43.6	43.8	44.0	44.0
GE 9000	15.0	32.8	35.3	40.9	43.7	45.1	45.5	46.3	46.6	46.8	46.8	46.8	46.8	46.9	47.2	47.3
GE 8000	16.1	34.2	36.7	42.5	45.4	46.9	47.3	48.3	48.6	48.8	48.8	48.8	48.8	48.9	49.2	49.3
GE 7000	16.2	34.6	37.1	42.9	45.7	47.3	47.6	48.7	48.9	49.2	49.2	49.2	49.3	49.5	49.6	49.6
GE 6000	16.5	35.1	37.6	43.4	46.2	47.7	48.1	49.2	49.4	49.6	49.6	49.6	49.6	49.8	50.0	50.1
GE 5000	17.9	41.1	43.7	50.0	52.8	54.5	54.9	55.9	56.2	56.4	56.4	56.4	56.5	56.8	57.0	56.9
GE 4500	18.5	42.9	45.5	52.1	55.0	56.8	57.1	58.2	58.4	58.6	58.6	58.6	58.8	59.0	59.1	59.1
GE 4000	19.2	46.9	49.6	57.6	60.7	62.4	62.8	63.9	64.2	64.5	64.5	64.5	64.6	64.8	64.9	64.9
GE 3500	20.1	48.8	51.9	60.1	63.3	65.2	65.5	67.2	67.5	67.8	67.8	67.8	67.9	68.1	68.2	68.2
GE 3000	21.3	51.4	54.7	63.9	67.1	69.0	69.3	71.0	71.3	71.6	71.6	71.6	71.7	71.9	72.0	72.0
GE 2500	22.0	53.7	57.2	66.7	70.3	72.4	72.9	75.1	75.6	75.8	75.8	75.8	75.9	76.2	76.3	76.3
GE 2000	22.9	55.6	60.1	69.9	74.6	77.3	78.0	80.6	81.0	81.3	81.3	81.3	81.4	81.6	81.8	81.8
GE 1800	23.0	55.9	60.5	70.5	75.2	77.8	78.6	81.3	81.9	82.1	82.1	82.1	82.2	82.5	82.6	82.6
GE 1500	23.0	56.3	61.3	72.3	77.1	79.9	81.0	85.0	85.5	85.8	85.8	85.8	85.9	86.1	86.3	86.3
GE 1200	23.0	56.8	61.7	73.6	78.6	81.4	82.7	87.0	87.6	87.8	87.8	87.8	87.9	88.2	88.3	88.3
GE 1000	23.0	56.9	61.8	74.2	79.3	82.3	84.1	89.5	90.2	90.4	90.5	90.5	90.6	90.9	91.0	91.0
GE 900	23.0	56.9	61.8	74.2	79.7	82.9	85.0	90.3	91.0	91.2	91.4	91.4	91.5	91.7	91.8	91.8
GE 800	23.0	56.9	61.8	74.5	80.3	83.5	85.7	91.5	92.3	93.0	93.2	93.2	93.4	93.6	93.7	93.7
GE 700	23.0	56.9	61.8	74.5	80.6	83.8	86.1	91.9	92.8	93.6	93.8	93.8	94.0	94.2	94.3	94.3
GE 600	23.0	57.0	62.0	75.1	81.4	84.7	87.3	93.4	94.3	95.5	95.9	95.9	96.1	96.4	96.6	96.6
GE 500	23.0	57.0	62.0	75.1	81.4	84.7	87.4	93.8	94.8	96.2	96.7	96.7	96.9	97.3	97.4	97.4
GE 400	23.0	57.0	62.0	75.1	81.4	84.7	87.4	94.3	95.6	97.0	97.5	97.6	98.0	98.3	98.5	98.5
GE 300	23.0	57.0	62.0	75.1	81.4	84.7	87.4	94.5	96.0	97.5	98.0	98.3	98.7	99.1	99.2	99.2
GE 200	23.0	57.0	62.0	75.1	81.4	84.7	87.4	94.5	96.2	97.9	98.3	98.7	99.1	99.4	99.5	99.5
GE 100	23.0	57.0	62.0	75.1	81.4	84.7	87.4	94.5	96.2	97.9	98.3	98.7	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88

MONTH: FEB HOURS(IST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	46	40	32	24	20	16	12	10	9	5	4	3
NO CEIL	8.1	18.0	19.9	24.0	26.4	27.9	29.0	31.2	31.8	32.4	32.8	32.9	33.1	33.3	33.3	33.6
GE 20000	9.7	21.2	23.4	28.1	30.9	32.7	33.9	36.3	37.1	37.7	38.1	38.2	38.4	38.7	38.7	39.0
GE 18000	9.7	21.2	23.4	28.1	30.9	32.7	33.9	36.3	37.1	37.7	38.1	38.2	38.4	38.7	38.7	39.0
GE 16000	9.7	21.2	23.4	28.1	30.9	32.7	33.9	36.3	37.1	37.7	38.1	38.2	38.4	38.7	38.7	39.0
GE 14000	9.7	21.3	23.5	28.2	30.9	32.6	33.9	36.4	37.1	37.8	38.2	38.3	38.4	38.7	38.8	39.0
GE 12000	10.4	22.2	24.5	29.2	32.0	34.0	35.2	37.6	38.4	39.0	39.5	39.5	39.7	40.0	40.0	40.3
GE 10000	11.6	24.4	26.6	31.5	34.4	36.3	37.5	40.0	40.8	41.5	41.5	42.0	42.2	42.5	42.5	42.8
GE 9000	13.6	27.4	29.9	35.2	38.2	40.3	41.6	44.2	45.0	45.7	46.1	46.2	46.4	46.7	46.7	47.0
GE 8000	14.1	28.3	30.9	36.2	39.4	41.5	42.9	45.6	46.6	47.3	47.8	47.9	48.1	48.3	48.4	48.7
GE 7000	14.2	28.5	31.1	36.4	39.5	41.7	43.0	45.8	46.7	47.5	47.9	48.0	48.2	48.5	48.5	48.9
GE 6000	14.5	29.2	31.8	37.2	40.4	42.5	43.9	46.7	47.6	48.5	48.9	49.0	49.2	49.5	49.5	49.8
GE 5000	15.5	33.2	35.9	41.5	44.7	46.8	48.2	51.1	52.0	52.9	53.3	53.4	53.6	53.9	53.9	54.2
GE 4500	16.3	34.8	37.4	43.1	46.3	48.5	49.9	52.9	53.9	54.8	55.3	55.3	55.5	55.8	55.8	56.2
GE 4000	17.6	37.8	40.6	46.9	50.3	52.5	54.0	57.1	58.1	59.1	59.6	59.6	59.8	60.1	60.2	60.5
GE 3500	18.3	39.4	42.5	48.9	52.4	54.7	56.3	59.6	60.7	61.7	62.1	62.2	62.4	62.7	62.7	63.1
GE 3000	19.6	42.4	45.7	52.6	56.5	58.8	60.5	64.2	65.3	66.3	66.8	66.9	67.1	67.4	67.4	67.8
GE 2500	20.5	44.5	48.0	55.6	59.8	62.6	64.6	69.0	70.2	71.5	72.1	72.2	72.4	72.7	72.7	73.1
GE 2000	21.4	46.3	50.1	58.5	63.2	66.3	68.6	73.6	74.9	76.3	76.9	77.0	77.2	77.5	77.6	77.9
GE 1800	21.6	47.0	51.0	59.8	64.6	67.8	70.2	75.4	76.9	78.3	78.9	79.1	79.2	79.6	79.6	79.9
GE 1600	21.9	47.9	52.3	62.0	67.4	71.0	73.6	79.6	81.4	82.9	83.6	83.7	83.9	84.2	84.3	84.6
GE 1400	21.9	48.5	52.9	62.2	68.9	72.7	75.6	82.3	84.2	85.9	86.6	86.7	86.9	87.2	87.3	87.6
GE 1200	22.7	48.7	53.1	63.7	69.7	73.6	77.0	84.3	86.6	88.3	89.0	89.2	89.3	89.7	89.7	90.1
GE 1000	22.0	48.7	53.2	63.9	70.1	74.3	77.6	85.0	87.3	89.1	89.9	90.0	90.2	90.5	90.6	90.9
GE 900	22.0	48.8	53.3	64.0	70.3	74.6	79.1	85.9	88.4	90.5	91.3	91.5	91.7	92.0	92.1	92.4
GE 800	22.0	48.8	53.3	64.1	70.6	75.0	79.7	86.9	89.6	91.8	92.6	92.8	93.0	93.4	93.4	93.8
GE 700	22.0	48.8	53.3	64.2	70.8	75.3	79.1	87.7	90.5	92.9	93.9	94.1	94.4	94.8	94.8	95.2
GE 600	22.0	48.8	53.3	64.3	70.9	75.4	79.4	88.3	91.3	94.0	95.0	95.4	95.7	96.1	96.1	96.5
GE 500	22.0	48.8	53.3	64.3	70.9	75.4	79.4	88.5	91.8	94.6	95.9	96.4	96.7	97.1	97.2	97.5
GE 400	22.0	48.8	53.3	64.3	70.9	75.4	79.4	88.8	92.2	95.6	96.9	97.5	97.9	98.3	98.3	98.7
GE 300	22.0	48.8	53.3	64.3	70.9	75.4	79.4	88.8	92.3	95.8	97.3	97.9	98.4	98.9	99.0	99.4
GE 200	22.0	48.8	53.3	64.3	70.9	75.4	79.4	88.8	92.3	95.8	97.3	98.0	98.5	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 6749

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(IST): 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 16	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	12.8	25.9	27.5	30.8	31.2	32.0	32.4	33.5	33.7	33.8	33.9	34.1	34.1	34.2	34.2	34.2
GE 20000	15.0	29.2	31.1	34.8	35.2	36.0	36.4	37.5	37.7	37.9	38.0	38.1	38.1	38.2	38.2	38.2
GE 18000	15.0	29.2	31.1	34.6	35.2	36.0	36.4	37.5	37.7	37.9	38.0	38.1	38.1	38.2	38.2	38.2
GE 16000	15.0	29.2	31.1	34.8	35.2	36.0	36.4	37.5	37.7	37.9	38.0	38.1	38.1	38.2	38.2	38.2
GE 14000	15.0	29.2	31.1	34.8	35.2	36.0	36.4	37.5	37.7	37.9	38.0	38.1	38.1	38.2	38.2	38.2
GE 12000	15.5	29.8	31.8	35.5	35.9	36.7	37.1	38.2	38.4	38.5	38.6	38.7	38.7	38.8	38.8	38.8
GE 10000	17.7	33.3	35.2	39.2	39.6	40.5	40.9	42.3	42.5	42.6	42.7	42.8	42.8	43.0	43.0	43.0
GE 9000	20.6	38.4	40.3	44.8	45.2	46.1	46.5	48.2	48.4	48.5	48.6	48.7	48.7	48.8	48.8	48.8
GE 8000	22.3	41.1	43.2	48.0	48.5	49.3	49.8	51.4	51.6	51.7	51.8	51.9	52.0	52.0	52.1	52.1
GE 7000	22.5	41.3	43.4	48.3	48.7	49.6	50.0	51.6	51.8	52.0	52.1	52.2	52.2	52.3	52.3	52.3
GE 6000	23.1	42.7	44.8	49.7	50.1	51.0	51.4	53.0	53.3	53.4	53.5	53.6	53.6	53.7	53.7	53.7
GE 5000	25.4	56.1	58.2	63.2	63.7	64.5	65.0	66.7	66.9	67.0	67.1	67.2	67.2	67.4	67.4	67.4
GE 4500	26.7	58.8	61.3	66.4	66.8	67.7	68.1	69.8	70.1	70.2	70.3	70.4	70.4	70.5	70.5	70.5
GE 4000	29.0	65.1	67.9	73.2	73.6	74.5	75.1	76.8	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.4
GE 3500	29.7	67.7	71.3	77.1	77.5	78.4	79.0	80.7	80.9	81.0	81.1	81.2	81.2	81.3	81.3	81.3
GE 3000	30.4	71.4	75.3	81.8	82.3	83.3	83.8	85.6	85.8	85.9	86.0	86.1	86.1	86.2	86.2	86.2
GE 2500	31.1	74.1	78.5	85.5	86.0	87.3	88.0	89.7	89.9	90.0	90.1	90.2	90.2	90.3	90.3	90.3
GE 2000	31.3	75.1	79.7	87.6	88.5	89.9	90.6	92.3	92.5	92.6	92.7	92.8	92.8	93.0	93.0	93.0
GE 1800	31.5	75.4	80.0	88.0	88.8	90.2	90.9	92.6	92.8	93.0	93.1	93.2	93.2	93.3	93.3	93.3
GE 1500	31.7	76.8	81.6	89.9	90.9	92.4	93.1	95.0	95.2	95.3	95.4	95.6	95.6	95.7	95.7	95.7
GE 1200	31.7	77.0	81.8	90.6	91.8	93.3	93.9	95.9	96.1	96.2	96.3	96.4	96.4	96.5	96.5	96.5
GE 1000	31.7	77.1	81.9	91.0	92.2	93.7	94.4	96.4	96.7	97.0	97.2	97.3	97.3	97.4	97.4	97.4
GE 900	31.7	77.1	82.0	91.1	92.3	93.8	94.5	96.7	97.1	97.3	97.5	97.6	97.6	97.7	97.7	97.7
GE 800	31.8	77.2	82.1	91.2	92.4	93.9	94.6	97.0	97.3	97.5	97.7	97.8	97.8	97.9	97.9	97.9
GE 700	31.8	77.2	82.1	91.2	92.4	93.9	94.6	97.1	97.4	97.6	97.8	97.9	97.9	98.0	98.0	98.0
GE 600	31.8	77.2	82.1	91.2	92.5	94.0	94.7	97.4	97.8	98.0	98.3	98.4	98.4	98.5	98.5	98.5
GE 500	31.8	77.2	82.1	91.2	92.5	94.0	94.7	97.4	97.8	98.0	98.3	98.5	98.6	98.7	98.7	98.7
GE 400	31.8	77.2	82.1	91.2	92.5	94.1	94.8	97.5	98.4	98.7	98.9	99.0	99.0	99.1	99.1	99.1
GE 300	31.8	77.2	82.1	91.2	92.5	94.3	94.9	97.6	98.6	99.0	99.2	99.3	99.3	99.5	99.5	99.5
GE 200	31.8	77.2	82.1	91.2	92.5	94.3	94.9	97.6	98.6	99.0	99.2	99.3	99.3	99.5	99.5	99.5
GE 100	31.8	77.2	82.1	91.2	92.5	94.3	94.9	97.6	98.6	99.0	99.2	99.3	99.3	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS (LST): 0700-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	11.7	22.5	24.4	28.9	29.7	30.7	31.8	33.9	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 20000	12.8	24.8	26.9	32.0	33.1	34.2	35.3	37.3	37.6	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 18000	12.8	24.8	26.9	32.0	33.1	34.2	35.3	37.3	37.6	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 16000	12.8	24.8	26.9	32.0	33.1	34.2	35.3	37.3	37.6	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 14000	12.8	24.8	26.9	32.0	33.1	34.2	35.3	37.3	37.6	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 12000	13.9	26.7	28.2	33.3	34.4	35.5	36.6	38.7	39.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 10000	15.7	28.8	31.1	36.4	37.6	38.6	39.7	41.9	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 9000	18.2	32.8	35.1	40.6	42.2	43.3	44.4	46.9	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 8000	18.7	34.4	36.7	42.4	43.9	45.0	46.1	48.6	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 7000	18.7	34.5	36.8	42.5	44.0	45.1	46.2	48.7	49.1	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 6000	19.9	35.5	37.8	43.5	45.1	46.2	47.3	49.8	50.2	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 5000	21.9	46.6	48.6	54.3	56.0	57.1	58.2	60.7	61.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 4500	23.1	48.7	51.5	57.5	59.1	60.2	61.5	64.0	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4000	25.2	55.5	58.4	64.5	66.3	67.6	68.8	71.3	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 3500	26.1	57.9	60.8	67.3	69.5	70.9	72.2	74.8	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000	27.3	60.7	64.2	71.2	73.5	74.9	76.2	78.8	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2500	28.1	64.9	68.6	77.2	80.4	81.9	83.2	85.8	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 2000	28.5	66.8	70.9	79.8	83.2	84.7	86.1	89.1	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1800	28.8	67.3	71.5	80.8	84.3	85.9	87.3	90.3	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1500	28.8	68.0	72.3	82.0	85.8	87.9	89.3	92.2	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1200	28.9	68.6	73.4	84.0	87.9	89.9	91.3	94.3	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1000	28.9	69.2	73.7	84.6	88.6	90.6	92.2	95.3	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	29.0	69.3	73.8	84.7	88.7	91.0	92.4	95.9	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	29.0	69.5	74.1	85.1	89.1	91.3	92.7	96.5	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 700	29.0	69.5	74.1	85.1	89.1	91.3	92.9	96.6	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	29.0	69.5	74.1	85.1	89.1	91.5	93.0	97.0	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	29.0	69.5	74.1	85.1	89.1	91.5	93.0	97.2	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	29.0	69.5	74.1	85.2	89.3	91.7	93.2	97.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	29.0	69.5	74.1	85.2	89.3	91.7	93.2	97.5	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 200	29.0	69.5	74.1	85.2	89.3	91.7	93.2	97.5	98.5	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
GE 100	29.0	69.5	74.1	85.2	89.3	91.7	93.2	97.5	98.5	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5
GE 0	29.0	69.5	74.1	85.2	89.3	91.7	93.2	97.5	98.5	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	5.8	11.7	13.0	15.6	18.0	20.0	21.0	22.9	24.0	25.7	26.0	26.1	26.5	26.6	26.7	26.8
GE 20000	9.1	15.8	17.6	21.2	23.9	25.6	27.0	29.5	30.7	32.4	32.7	32.8	33.2	33.3	33.4	33.5
GE 16000	9.1	15.8	17.6	21.2	23.9	25.6	27.0	29.5	30.7	32.4	32.7	32.8	33.2	33.3	33.4	33.5
GE 14000	9.1	15.8	17.6	21.2	23.9	25.6	27.0	29.5	30.7	32.4	32.7	32.8	33.2	33.3	33.4	33.5
GE 12000	9.1	15.8	17.6	21.2	23.9	25.6	27.0	29.5	30.7	32.4	32.7	32.8	33.2	33.3	33.4	33.5
GE 10000	9.9	17.2	19.0	22.6	25.3	27.2	28.4	31.2	32.4	34.1	34.4	34.6	34.9	35.0	35.1	35.2
GE 9000	12.5	21.1	22.9	26.6	29.6	31.7	33.3	36.2	37.6	39.5	39.8	40.0	40.3	40.4	40.5	40.6
GE 8000	15.6	25.6	27.5	31.6	35.1	37.6	39.1	42.7	44.2	46.2	46.5	46.7	47.0	47.1	47.2	47.3
GE 7000	16.6	27.6	29.6	34.2	37.8	40.5	42.0	45.7	47.2	49.2	49.6	49.7	50.0	50.1	50.2	50.3
GE 6000	16.7	27.6	29.9	34.3	37.9	40.6	42.1	45.8	47.3	49.4	49.7	49.8	50.1	50.2	50.3	50.4
GE 5000	17.2	28.7	30.9	35.3	38.9	41.6	43.1	46.8	48.4	50.5	50.9	51.0	51.3	51.4	51.5	51.6
GE 4000	18.5	34.9	37.3	41.8	45.4	48.2	49.8	53.8	55.4	57.6	57.9	58.0	58.3	58.4	58.5	58.6
GE 3000	19.2	37.1	39.5	44.2	47.7	50.5	52.2	56.3	57.9	60.0	60.4	60.5	60.8	60.9	61.0	61.1
GE 2000	20.4	40.3	42.9	47.7	51.8	55.0	56.8	61.2	63.0	65.1	65.4	65.5	65.9	66.0	66.1	66.2
GE 1500	21.7	43.4	46.2	51.5	55.7	59.0	60.8	65.4	67.2	69.4	69.8	69.9	70.2	70.3	70.4	70.5
GE 1000	22.7	47.3	50.4	56.5	61.1	64.6	66.6	71.4	73.2	75.5	75.8	75.9	76.2	76.3	76.5	76.6
GE 800	23.8	50.4	53.7	60.7	65.8	69.2	71.4	76.5	78.3	80.7	81.0	81.1	81.4	81.5	81.6	81.7
GE 600	24.4	51.9	55.2	63.2	68.4	72.1	74.4	79.9	81.7	84.1	84.6	84.7	85.0	85.1	85.2	85.3
GE 400	24.6	52.9	56.2	64.1	69.3	73.1	75.6	81.2	83.2	85.5	85.8	86.0	86.1	86.4	86.5	86.6
GE 300	24.8	53.9	57.2	65.6	71.2	75.2	77.9	83.7	86.2	88.8	89.3	89.4	89.7	89.8	90.0	90.1
GE 200	24.8	54.2	57.7	66.5	72.5	76.7	79.6	85.7	88.2	90.8	91.4	91.5	91.8	91.9	92.0	92.1
GE 100	24.8	54.3	57.8	67.3	73.7	77.9	80.8	87.3	89.8	92.4	93.0	93.1	93.4	93.5	93.6	93.7
GE 50	24.8	54.4	57.9	67.4	73.8	78.0	80.9	87.4	90.1	92.7	93.2	93.3	93.6	93.7	93.8	94.0
GE 20	24.8	54.4	57.9	67.5	74.1	78.3	81.2	87.8	90.6	93.3	93.8	94.0	94.3	94.4	94.5	94.6
GE 10	24.8	54.4	58.0	67.6	74.3	78.6	81.6	88.6	91.4	94.2	94.9	95.0	95.4	95.5	95.6	95.7
GE 5	24.8	54.4	58.0	67.6	74.4	78.6	82.0	89.3	92.5	95.5	96.2	96.3	96.7	96.9	97.0	97.1
GE 2	24.8	54.4	58.0	67.7	74.5	78.9	82.1	89.8	93.2	96.1	96.9	97.0	97.3	97.5	97.6	97.7
GE 1	24.8	54.4	58.1	67.7	74.6	79.0	82.2	90.1	93.5	96.4	97.2	97.3	97.6	97.8	97.9	98.2
GE 0	24.8	54.4	58.1	67.8	74.7	79.2	82.3	90.2	93.6	97.0	97.7	97.8	98.2	98.4	98.5	98.7
GE 0	24.8	54.4	58.1	67.8	74.7	79.2	82.3	90.2	93.7	97.1	97.9	98.1	98.5	98.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	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 3	GE 2
NO CEIL	4.0	11.0	12.8	14.7	17.3	19.0	20.4	23.5	25.0	25.9	25.9	26.1	26.3	26.3	26.3	26.4
GE 20000	9.2	17.7	20.0	22.6	25.7	28.5	29.9	33.5	35.4	36.2	36.2	36.5	36.7	36.7	36.7	36.8
GE 18000	9.2	17.7	20.0	22.6	25.7	28.5	29.9	33.5	35.4	36.2	36.2	36.5	36.7	36.7	36.7	36.8
GE 16000	9.2	17.7	20.0	22.6	25.7	28.5	29.9	33.5	35.4	36.2	36.2	36.5	36.7	36.7	36.7	36.8
GE 14000	9.3	17.6	20.1	22.9	25.8	28.6	30.0	33.7	35.5	36.4	36.4	36.6	36.8	36.8	36.8	36.9
GE 12000	10.9	19.7	22.1	25.1	28.3	31.1	32.6	36.2	38.1	38.9	38.9	39.2	39.4	39.4	39.4	39.5
GE 10000	13.4	23.1	25.7	29.2	32.5	35.5	37.3	41.2	43.0	43.9	43.9	44.2	44.4	44.4	44.4	44.6
GE 9000	16.4	28.2	31.0	35.3	38.8	42.2	44.1	48.2	50.1	50.9	50.9	51.2	51.5	51.5	51.5	51.6
GE 8000	17.4	30.0	32.8	37.2	41.0	44.3	46.3	50.5	52.3	53.4	53.4	53.7	53.9	53.9	53.9	54.0
GE 7000	17.4	30.1	32.9	37.3	41.2	44.6	46.5	50.7	52.5	53.6	53.6	53.9	54.2	54.2	54.2	54.3
GE 6000	17.8	30.6	33.4	38.1	42.3	45.6	47.6	51.9	53.8	54.9	54.9	55.2	55.4	55.4	55.4	55.6
GE 5000	18.8	34.5	37.4	42.1	46.4	49.7	51.7	56.0	58.0	59.1	59.1	59.4	59.7	59.7	59.7	59.8
GE 4500	19.6	36.6	39.5	44.2	48.7	52.0	54.0	58.4	60.4	61.5	61.5	61.8	62.0	62.0	62.0	62.1
GE 4000	21.5	40.1	43.0	48.1	52.8	56.2	58.4	62.8	64.8	65.9	65.9	66.2	66.5	66.5	66.5	66.6
GE 3500	22.5	41.6	44.8	50.3	55.2	58.7	60.8	65.3	67.3	68.4	68.4	68.7	68.9	68.9	68.9	69.0
GE 3000	24.8	45.1	48.1	53.9	59.4	63.3	65.8	70.7	72.8	73.9	73.9	74.2	74.4	74.4	74.4	74.5
GE 2500	26.0	47.8	51.2	57.4	63.2	67.1	69.6	74.6	76.8	77.9	77.9	78.2	78.4	78.4	78.4	78.5
GE 2000	26.4	50.2	53.7	60.5	67.2	71.2	74.0	79.5	81.9	83.0	83.0	83.3	83.5	83.5	83.5	83.6
GE 1800	26.5	50.6	54.4	61.4	68.5	72.5	75.4	80.9	83.3	84.4	84.4	84.7	84.9	84.9	84.9	85.0
GE 1500	26.6	51.8	55.4	63.1	70.7	74.6	78.0	84.3	87.1	88.1	88.1	88.5	88.7	88.7	88.7	88.8
GE 1200	26.6	52.2	56.1	64.3	72.4	76.8	80.2	86.7	89.5	90.6	90.6	90.9	91.2	91.2	91.2	91.3
GE 1000	26.8	52.4	56.5	65.2	73.9	78.7	82.3	89.0	91.9	93.1	93.1	93.4	93.6	93.6	93.6	93.7
GE 900	26.8	52.4	56.5	65.3	74.0	78.9	82.4	89.1	92.0	93.4	93.4	93.7	94.0	94.0	94.0	94.1
GE 800	26.8	52.5	56.6	65.5	74.3	79.2	83.0	90.0	93.2	94.6	94.6	94.9	95.3	95.5	95.5	95.6
GE 700	26.8	52.5	56.6	65.5	74.3	79.2	83.0	90.0	93.2	94.6	94.6	94.9	95.3	95.5	95.5	95.6
GE 600	26.8	52.5	56.6	65.7	74.5	79.4	83.2	90.6	93.9	95.8	95.8	96.1	96.5	96.8	96.8	96.9
GE 500	26.8	52.5	56.6	65.7	74.5	79.4	83.2	90.6	93.9	95.8	95.8	96.1	96.5	96.8	96.8	96.9
GE 400	26.8	52.5	56.6	65.7	74.6	79.6	83.4	91.2	94.5	96.8	96.8	97.2	97.6	97.6	97.6	97.7
GE 300	26.8	52.5	56.6	65.7	74.6	79.6	83.4	91.3	94.6	96.9	96.9	97.4	97.8	97.8	97.8	97.9
GE 200	26.8	52.5	56.6	65.7	74.6	79.6	83.4	91.3	94.6	96.9	96.9	97.5	97.9	97.9	97.9	98.0
GE 100	26.8	52.5	56.6	65.7	74.6	79.6	83.4	91.3	94.6	96.9	96.9	97.5	97.9	97.9	97.9	98.0
GE 0	26.8	52.5	56.6	65.7	74.6	79.6	83.4	91.3	94.6	96.9	96.9	97.5	97.9	97.9	97.9	98.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY:
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR HOURS(EST): 1200-1400

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE C
NO CEIL	5.4	13.6	14.9	18.1	20.0	21.0	22.1	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.8
GE 20000	11.2	22.5	23.8	27.9	30.6	32.0	33.3	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2
GE 18000	11.2	22.5	23.8	27.9	30.6	32.0	33.3	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2
GE 16000	11.2	22.5	23.8	27.9	30.6	32.0	33.3	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2
GE 14000	11.2	22.5	23.8	27.9	30.6	32.0	33.3	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2
GE 12000	12.6	24.5	26.1	30.2	32.9	34.3	35.6	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4
GE 10000	14.4	26.9	28.5	32.9	35.7	37.2	38.5	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4
GE 9000	16.6	30.7	32.3	36.9	39.8	41.3	42.8	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7
GE 8000	17.8	32.1	33.7	38.3	41.2	42.7	44.2	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1
GE 7000	17.8	32.3	33.9	38.5	41.4	42.9	44.4	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
GE 6000	18.6	33.6	35.5	40.0	42.9	44.4	45.9	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8
GE 5000	20.4	39.6	41.5	46.1	49.0	50.5	52.0	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9
GE 4500	22.2	41.6	43.6	48.3	51.4	52.9	54.4	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
GE 4000	25.4	48.5	50.5	55.6	58.8	60.3	61.8	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
GE 3500	27.2	51.2	53.3	59.0	62.5	64.0	65.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
GE 3000	31.7	58.4	60.4	66.8	70.4	72.0	73.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8
GE 2500	34.2	63.8	66.4	73.6	77.4	79.2	81.0	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1
GE 2000	36.0	66.7	69.6	77.4	81.6	83.8	85.7	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	36.4	67.7	70.6	78.7	83.2	85.6	87.6	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
GE 1500	36.6	69.1	72.3	80.6	85.8	88.5	90.6	92.2	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 1200	36.6	69.9	73.2	82.1	87.9	90.9	93.1	94.9	95.1	95.2	95.6	95.7	95.7	95.7	95.7	95.7
GE 1000	36.6	70.1	73.4	82.6	88.8	91.9	94.2	96.1	96.3	96.5	96.9	97.0	97.0	97.0	97.0	97.0
GE 900	36.6	70.1	73.4	82.6	88.8	91.9	94.2	96.1	96.3	96.6	97.0	97.1	97.1	97.1	97.1	97.1
GE 800	36.6	70.1	73.4	82.8	89.1	92.2	94.5	96.4	96.9	97.3	97.7	97.8	97.8	97.8	97.8	97.8
GE 700	36.6	70.1	73.4	82.8	89.1	92.2	94.6	96.6	97.2	97.6	98.1	98.2	98.2	98.2	98.2	98.2
GE 600	36.6	70.1	73.4	83.0	89.3	92.5	94.9	97.3	97.9	98.4	98.8	98.9	98.9	98.9	98.9	98.9
GE 500	36.6	70.1	73.4	83.0	89.3	92.5	94.9	97.5	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4
GE 400	36.6	70.1	73.4	83.0	89.3	92.5	94.9	97.5	98.3	98.7	99.2	99.4	99.4	99.4	99.4	99.4
GE 300	36.6	70.1	73.4	83.0	89.3	92.5	94.9	97.5	98.3	98.7	99.4	99.6	99.6	99.6	99.6	99.6
GE 200	36.6	70.1	73.4	83.0	89.3	92.5	94.9	97.5	98.3	98.7	99.4	99.6	99.7	99.7	99.7	99.7
GE 100	36.6	70.1	73.4	83.0	89.3	92.5	95.0	97.6	98.4	98.8	99.5	99.8	99.9	99.9	99.9	100.0
GE 0	36.6	70.1	73.4	83.0	89.3	92.5	95.0	97.6	98.4	98.8	99.5	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	7.8	17.1	17.9	20.4	21.7	22.2	22.5	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
GE 20000	13.6	25.9	27.1	30.2	32.1	32.7	32.9	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
GE 18000	13.8	26.1	27.3	30.5	32.3	32.9	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
GE 16000	13.8	26.1	27.3	30.5	32.3	32.9	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
GE 14000	13.8	26.2	27.4	30.6	32.4	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 12000	16.6	29.6	31.0	34.1	36.1	36.7	36.9	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 10000	19.3	33.5	34.7	38.4	40.4	41.0	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 9000	23.8	39.2	40.4	44.8	47.1	47.7	48.2	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 8000	24.3	40.6	41.8	46.2	48.7	49.4	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 7000	24.4	40.7	41.9	46.3	48.8	49.5	49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 6000	25.1	41.7	42.9	47.4	50.0	50.6	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 5000	28.7	51.5	52.8	57.6	60.2	60.8	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4500	30.5	54.2	55.5	60.5	63.2	63.6	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4000	34.3	60.5	62.0	67.3	70.1	70.7	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3500	36.8	63.8	66.1	72.0	74.9	75.6	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3000	39.4	66.8	71.1	76.1	81.3	82.0	82.5	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	40.1	71.1	73.4	81.0	84.4	85.2	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	41.4	73.5	76.2	84.7	88.2	89.0	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800	41.7	74.4	77.1	85.7	89.6	90.7	91.8	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1500	42.2	75.6	78.5	87.6	91.8	93.2	94.6	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	42.3	75.8	78.9	88.4	92.8	94.2	95.7	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	42.3	76.1	79.4	89.0	93.3	94.8	96.5	98.1	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	42.3	76.1	79.4	89.0	93.3	94.8	96.5	98.1	98.2	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	42.3	76.1	79.4	89.2	93.5	95.0	96.8	98.3	98.5	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	42.3	76.1	79.4	89.3	93.6	95.2	97.2	98.9	99.1	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	42.3	76.1	79.4	89.3	93.6	95.4	97.3	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	42.3	76.1	79.4	89.3	93.6	95.4	97.3	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	42.3	76.1	79.4	89.3	93.6	95.4	97.3	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	42.3	76.1	79.4	89.3	93.6	95.4	97.3	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	42.3	76.1	79.4	89.3	93.6	95.4	97.3	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	42.3	76.1	79.4	89.3	93.6	95.4	97.3	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	42.3	76.1	79.4	89.3	93.6	95.4	97.3	99.0	99.2	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR HOURS(LST): 1800-2400

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	GE 1	GE 160	GE 90	GE 60	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	1	9.1	18.7	20.4	22.8	24.1	24.7	25.0	25.2	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
GE 2000	15.6	29.2	31.6	34.5	36.4	37.3	37.8	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 1800	15.6	29.3	31.7	34.6	36.5	37.4	37.9	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 1600	15.6	29.3	31.7	34.6	36.5	37.4	37.9	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 1400	15.6	29.3	31.7	34.6	36.5	37.4	37.9	38.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 1200	17.3	31.6	34.3	37.2	39.1	40.1	40.6	40.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 1000	28.5	35.9	38.5	41.7	43.7	44.8	45.5	45.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 900	24.5	42.2	44.9	48.4	50.7	52.1	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 800	25.2	44.4	47.1	50.8	53.2	54.6	55.3	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 700	25.2	44.6	47.2	50.9	53.3	54.7	55.4	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 600	25.9	46.2	48.9	52.5	55.0	56.6	57.4	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 500	29.4	55.2	58.3	62.5	64.9	66.6	67.3	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 450	29.9	58.5	61.5	65.7	68.2	69.8	70.7	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 400	32.4	63.3	66.5	71.1	73.6	75.2	76.2	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 350	32.9	65.4	69.0	74.5	77.2	79.0	80.0	80.5	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 300	33.7	68.1	72.3	78.3	81.4	83.3	84.4	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 250	34.5	70.3	74.6	81.4	85.0	87.2	88.2	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 200	34.8	72.1	76.6	83.9	87.8	90.1	91.2	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 180	35.0	72.5	77.0	84.6	88.6	91.2	92.3	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 160	35.2	73.2	78.0	86.4	90.7	93.3	94.7	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 140	35.2	73.4	78.2	86.8	91.3	94.0	95.6	96.7	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 120	35.2	73.5	78.3	87.1	91.7	94.4	96.0	97.5	98.1	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 100	35.2	73.5	78.3	87.1	91.7	94.4	96.1	97.7	98.3	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 80	35.2	73.6	78.4	87.3	91.9	94.6	96.3	98.1	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 70	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 60	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 50	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 40	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 30	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 20	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 10	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	35.2	73.6	78.4	87.4	92.1	94.8	96.5	98.3	98.9	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87
MONTH: MAR HOURS: 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	14.2	27.4	27.8	30.2	30.6	31.1	31.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
GE 20000	18.2	32.9	33.5	36.3	36.8	37.4	37.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 18000	19.2	32.9	33.5	36.3	36.8	37.4	37.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 16000	18.2	32.9	33.5	36.3	36.8	37.4	37.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 14000	18.2	32.9	33.5	36.3	36.8	37.4	37.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 12000	19.0	33.9	34.6	37.4	37.8	38.6	38.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 10000	22.4	37.9	38.7	41.5	42.3	43.1	43.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 9000	26.8	44.2	45.0	48.0	49.0	49.8	50.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 8000	28.1	46.4	47.2	50.7	51.9	52.6	53.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 7000	28.3	46.8	47.7	51.1	52.3	53.2	53.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 6000	29.1	48.5	49.4	52.9	54.1	54.9	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 5000	31.4	62.9	63.8	67.5	68.6	69.5	70.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4500	32.5	65.8	67.0	70.9	72.1	73.0	73.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4000	34.1	70.3	71.8	75.9	77.1	77.5	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 3500	34.5	72.1	73.7	78.4	79.8	80.6	81.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	35.2	75.4	77.8	83.0	84.5	85.4	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2500	36.2	78.4	81.0	86.7	88.3	89.3	90.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	36.2	79.9	82.6	88.8	90.7	91.9	92.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1800	36.2	80.0	82.8	89.4	91.4	92.5	93.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	36.2	80.5	83.5	90.7	92.8	93.9	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	36.2	80.6	83.7	91.4	93.5	94.7	95.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	36.2	80.6	83.7	91.5	93.7	95.0	96.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 900	36.2	80.6	83.7	91.5	93.7	95.0	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	36.2	80.6	83.7	91.5	93.7	95.0	96.1	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 700	36.2	80.6	83.7	91.5	93.7	95.0	96.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 600	36.2	80.6	83.7	91.6	93.9	95.4	96.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	36.2	80.6	83.7	91.6	93.9	95.4	96.4	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	36.2	80.6	83.7	91.6	93.9	95.4	96.5	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	36.2	80.6	83.7	91.6	94.2	95.6	96.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	36.2	80.6	83.7	91.6	94.2	95.6	96.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	36.2	80.6	83.7	91.6	94.2	95.6	96.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	36.2	80.6	83.7	91.6	94.2	95.6	96.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GT 160	GE 90	GE 80	GF 60	GE 48	GF 40	GE 32	GF 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.9	18.5	19.8	22.7	24.1	25.1	25.8	27.1	27.5	27.9	27.9	28.0	28.0	28.1	28.1	28.1
GE 20000	13.1	24.7	26.5	30.0	31.7	33.0	33.8	35.2	35.7	36.1	36.1	36.2	36.3	36.3	36.3	36.3
GE 18000	13.1	24.8	26.5	30.0	31.7	33.0	33.8	35.3	35.7	36.1	36.2	36.2	36.3	36.3	36.3	36.4
GE 16000	13.1	24.8	26.5	30.0	31.7	33.0	33.8	35.3	35.7	36.1	36.2	36.2	36.3	36.3	36.3	36.4
GE 14000	13.1	24.8	26.5	30.0	31.8	33.1	33.9	35.3	35.7	36.2	36.2	36.3	36.4	36.4	36.4	36.4
GE 12000	14.5	26.6	28.4	31.9	33.7	35.1	35.8	37.3	37.8	38.2	38.3	38.3	38.4	38.4	38.4	38.4
GE 10000	17.0	30.1	31.9	35.7	37.7	39.1	40.0	41.7	42.1	42.6	42.6	42.7	42.8	42.8	42.8	42.8
GE 9000	20.3	35.2	37.1	41.3	43.5	45.0	46.0	47.8	48.3	48.8	48.9	48.9	49.0	49.0	49.0	49.1
GE 8000	21.7	37.1	39.0	43.5	45.8	47.3	48.4	50.2	50.7	51.1	51.2	51.3	51.4	51.4	51.4	51.4
GE 7000	21.4	37.3	39.2	43.7	46.0	47.5	48.5	50.4	50.9	51.3	51.4	51.5	51.5	51.6	51.6	51.6
GE 6000	22.0	38.4	40.4	44.9	47.3	48.9	49.9	51.7	52.3	52.8	52.8	52.9	53.0	53.0	53.0	53.0
GE 5000	24.2	47.6	49.7	54.4	56.8	58.4	59.4	61.3	61.8	62.3	62.4	62.5	62.5	62.6	62.6	62.6
GE 4500	25.5	50.2	52.4	57.2	59.6	61.2	62.3	64.2	64.8	65.3	65.3	65.4	65.5	65.5	65.5	65.5
GE 4000	27.8	55.4	57.9	62.9	65.5	67.2	68.3	70.3	70.9	71.4	71.5	71.5	71.6	71.6	71.6	71.7
GE 3500	28.9	57.9	60.6	66.3	69.0	70.8	72.0	74.0	74.6	75.1	75.2	75.2	75.3	75.3	75.3	75.4
GE 3000	30.6	61.9	64.9	71.2	74.3	76.1	77.4	79.5	80.1	80.6	80.7	80.8	80.8	80.9	80.9	80.9
GE 2500	31.7	65.1	68.5	75.4	78.8	80.8	82.2	84.4	85.0	85.5	85.6	85.7	85.7	85.8	85.8	85.8
GE 2000	32.4	67.0	70.6	78.2	82.0	84.1	85.6	88.0	88.7	89.2	89.3	89.4	89.5	89.5	89.5	89.5
GE 1800	32.6	67.6	71.2	79.1	83.0	85.2	86.8	89.3	90.0	90.5	90.6	90.7	90.8	90.8	90.8	90.8
GE 1500	32.8	68.6	72.3	80.8	85.0	87.4	89.1	91.9	92.7	93.4	93.4	93.5	93.6	93.6	93.6	93.7
GE 1200	32.8	69.0	72.9	81.7	86.2	88.8	90.6	93.6	94.4	95.0	95.2	95.3	95.4	95.4	95.4	95.4
GE 1000	32.8	69.2	73.1	82.3	87.0	89.7	91.6	94.7	95.6	96.3	96.5	96.6	96.7	96.7	96.7	96.7
GE 900	32.8	69.2	73.1	82.3	87.0	89.7	91.6	94.9	95.8	96.5	96.7	96.8	96.9	96.9	96.9	97.0
GE 800	32.8	69.3	73.2	82.5	87.3	89.9	91.9	95.2	96.3	97.0	97.3	97.4	97.5	97.5	97.5	97.5
GE 700	32.8	69.3	73.2	82.5	87.3	90.0	92.1	95.5	96.6	97.4	97.7	97.8	97.9	97.9	97.9	98.0
GE 600	32.8	69.3	73.2	82.6	87.4	90.2	92.2	95.9	97.1	97.9	98.2	98.4	98.4	98.5	98.5	98.5
GE 500	32.8	69.3	73.2	82.6	87.5	90.3	92.3	96.1	97.4	98.2	98.5	98.7	98.8	98.8	98.9	98.9
GE 400	32.8	69.3	73.2	82.6	87.5	90.3	92.4	96.2	97.5	98.4	98.7	98.9	99.0	99.0	99.0	99.1
GE 300	32.8	69.3	73.2	82.7	87.6	90.4	92.4	96.4	97.7	98.6	99.0	99.1	99.3	99.3	99.4	99.4
GE 200	32.8	69.3	73.2	82.7	87.6	90.4	92.4	96.4	97.7	98.7	99.0	99.2	99.4	99.5	99.5	99.7
GE 100	32.8	69.3	73.2	82.7	87.6	90.4	92.4	96.4	97.7	98.7	99.1	99.3	99.5	99.6	99.6	100.0
GE 0	32.8	69.3	73.2	82.7	87.6	90.4	92.4	96.4	97.7	98.7	99.1	99.3	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 7402

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87

MONTH: APR

HOURS(UT): 0000-0200

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 30	GE 60	GE 60	GE 45	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	19.2	30.4	31.8	32.6	33.3	33.5	33.6	34.2	34.3	34.5	34.5	34.5	34.5	34.8	34.8	34.9
GE 2000	21.3	34.5	36.2	37.3	37.8	38.0	38.1	38.7	38.8	39.0	39.0	39.0	39.0	39.2	39.2	39.3
GE 1800	21.3	34.5	36.2	37.3	37.8	38.0	38.1	38.7	38.8	39.0	39.0	39.0	39.0	39.2	39.2	39.3
GE 1600	21.3	34.5	36.2	37.3	37.8	38.0	38.1	38.7	38.8	39.0	39.0	39.0	39.0	39.2	39.2	39.3
GE 1400	21.4	34.6	36.3	37.4	37.9	38.1	38.2	38.8	38.9	39.1	39.1	39.1	39.1	39.3	39.3	39.5
GE 1200	22.5	35.8	37.4	38.6	39.0	39.2	39.3	39.9	40.0	40.4	40.4	40.4	40.4	40.6	40.6	40.7
GE 1000	24.1	37.9	39.8	40.9	41.6	41.8	41.9	42.6	42.7	43.0	43.0	43.0	43.0	43.3	43.3	43.4
GE 900	28.4	45.3	47.3	48.5	49.4	49.8	49.9	50.6	50.7	51.0	51.0	51.0	51.0	51.2	51.2	51.3
GE 800	29.0	46.0	48.3	50.0	51.0	51.3	51.5	52.1	52.2	52.6	52.6	52.6	52.6	52.8	52.8	52.9
GE 700	29.0	46.0	48.3	50.0	51.0	51.3	51.5	52.1	52.2	52.6	52.6	52.6	52.6	52.8	52.8	52.9
GE 600	29.6	47.9	50.4	52.1	53.1	53.5	53.6	54.3	54.4	54.7	54.7	54.7	54.7	54.9	54.9	55.0
GE 500	31.5	61.8	64.5	66.5	67.5	67.8	67.9	68.6	68.7	69.1	69.1	69.1	69.1	69.3	69.3	69.4
GE 450	32.6	64.6	67.4	69.5	70.5	70.9	71.0	71.6	71.7	72.1	72.1	72.1	72.1	72.3	72.3	72.4
GE 400	33.4	68.5	71.6	73.9	75.0	75.3	75.4	76.1	76.2	76.6	76.6	76.6	76.6	76.8	76.8	76.9
GE 350	33.9	70.6	73.8	76.2	77.5	77.8	77.9	78.6	78.7	79.0	79.0	79.0	79.0	79.3	79.3	79.4
GE 300	34.1	72.6	76.1	79.3	80.9	81.5	81.6	82.3	82.5	82.8	82.8	82.8	82.8	83.1	83.1	83.2
GE 250	34.5	75.0	79.0	82.5	84.4	85.0	85.1	85.9	86.2	86.5	86.5	86.5	86.5	86.8	86.8	86.9
GE 200	35.2	76.2	80.5	84.3	86.3	87.2	87.4	88.3	88.7	89.0	89.0	89.0	89.0	89.2	89.2	89.3
GE 150	35.3	77.2	81.6	85.4	87.4	88.3	88.6	89.5	89.8	90.1	90.1	90.1	90.1	90.4	90.4	90.5
GE 100	35.3	78.0	82.7	86.5	89.0	90.0	91.3	92.6	92.9	93.1	93.3	93.3	93.3	93.5	93.5	93.6
GE 50	35.3	78.4	83.1	87.2	89.9	91.6	92.5	93.9	94.4	94.7	94.7	94.7	94.7	95.0	95.0	95.1
GE 10	35.3	78.5	83.2	87.6	90.6	92.6	93.6	95.3	95.7	96.1	96.1	96.1	96.1	96.3	96.3	96.4
GE 5	35.3	78.5	83.2	87.8	90.9	92.9	93.9	95.6	96.1	96.5	96.5	96.5	96.5	96.7	96.7	96.8
GE 0	35.3	78.7	83.4	88.1	91.4	93.5	94.5	96.3	96.9	97.4	97.4	97.4	97.4	97.6	97.6	97.8
GE 0	35.3	78.9	83.6	88.5	91.7	93.6	94.8	96.7	97.3	98.0	98.0	98.0	98.0	98.2	98.2	98.3
GE 0	35.3	79.1	83.9	88.7	92.2	94.5	95.5	97.4	98.0	98.7	98.7	98.7	98.7	98.9	98.9	99.1
GE 0	35.3	79.1	83.9	88.8	92.4	94.7	95.9	97.8	98.3	99.0	99.1	99.1	99.1	99.3	99.3	99.4
GE 0	35.3	79.1	83.9	88.8	92.4	94.7	95.9	97.8	98.5	99.2	99.3	99.3	99.3	99.6	99.6	99.7
GE 0	35.3	79.1	83.9	88.8	92.4	94.7	95.9	97.8	98.5	99.3	99.6	99.6	99.6	99.8	99.8	99.9
GE 0	35.3	79.1	83.9	88.8	92.4	94.7	95.9	97.8	98.5	99.3	99.6	99.6	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 992

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: APR

HOURS(IST): 0300-0500

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	13.3	28.1	30.0	32.9	34.6	35.2	35.4	36.6	36.6	36.9	37.2	37.3	37.4	37.4	37.4	37.4
GE 20000	14.3	30.4	32.3	35.4	37.3	37.9	38.2	39.5	39.5	40.1	40.4	40.5	40.6	40.6	40.6	40.6
GE 18000	14.3	30.4	32.3	35.4	37.3	37.9	38.2	39.5	39.5	40.1	40.4	40.5	40.6	40.6	40.6	40.6
GE 16000	14.3	30.4	32.3	35.4	37.3	37.9	38.2	39.5	39.5	40.1	40.4	40.5	40.6	40.6	40.6	40.6
GE 14000	14.3	30.5	32.4	35.5	37.4	38.1	38.5	39.6	39.6	40.2	40.5	40.6	40.7	40.7	40.7	40.7
GE 12000	15.2	31.7	33.6	36.8	38.7	39.4	39.6	41.0	41.0	41.5	41.9	42.0	42.1	42.1	42.1	42.1
GE 10000	18.3	35.6	37.5	41.2	43.1	43.8	44.0	45.3	45.3	45.9	46.2	46.3	46.4	46.4	46.4	46.4
GE 9000	22.0	40.6	42.9	46.9	48.9	49.7	50.7	51.3	51.3	51.9	52.3	52.5	52.6	52.6	52.6	52.6
GE 8000	22.9	42.4	44.6	48.7	50.7	51.5	51.8	53.1	53.1	53.7	54.1	54.2	54.4	54.4	54.4	54.4
GE 7000	23.1	42.7	45.0	49.0	51.0	51.6	52.1	53.5	53.5	54.0	54.5	54.6	54.7	54.7	54.7	54.7
GE 6000	24.2	44.5	46.8	50.9	52.9	53.7	54.0	55.5	55.5	56.0	56.5	56.6	56.7	56.7	56.7	56.7
GE 5000	25.8	54.9	57.5	62.2	64.4	65.2	65.7	67.3	67.4	68.0	68.4	68.5	68.6	68.6	68.6	68.6
GE 4500	26.9	57.4	60.3	65.1	67.5	68.3	69.0	70.5	70.6	71.2	71.7	71.8	71.9	71.9	71.9	71.9
GE 4000	27.8	60.3	63.2	68.8	71.2	72.2	73.0	74.6	74.7	75.2	75.7	75.8	75.9	75.9	75.9	75.9
GE 3500	28.1	61.6	64.6	70.6	73.1	74.1	74.9	76.6	76.8	77.6	78.0	78.1	78.2	78.2	78.2	78.2
GE 3000	28.5	64.2	67.6	74.2	77.0	78.0	78.9	80.7	80.9	81.8	82.3	82.4	82.5	82.5	82.5	82.5
GE 2500	28.7	65.7	69.3	76.5	79.4	80.5	81.5	83.3	83.6	84.5	84.9	85.0	85.2	85.2	85.2	85.2
GE 2000	29.0	66.5	70.2	77.8	81.0	82.5	83.6	85.5	85.8	86.7	87.2	87.3	87.4	87.4	87.4	87.4
GE 1800	29.1	66.9	70.6	78.6	82.1	83.6	84.7	86.6	86.9	87.8	88.3	88.4	88.5	88.5	88.5	88.5
GE 1600	29.1	68.4	72.3	81.1	84.8	86.6	88.1	90.3	90.6	91.5	92.0	92.1	92.2	92.2	92.2	92.2
GE 1400	29.1	66.8	73.0	82.0	85.9	87.9	89.6	92.0	92.3	93.2	93.6	93.8	93.9	93.9	93.9	93.9
GE 1200	29.1	68.8	73.0	82.4	86.4	88.6	90.5	93.2	93.5	94.4	94.9	95.0	95.1	95.1	95.1	95.1
GE 1000	29.1	68.8	73.0	82.5	86.7	89.2	91.1	93.9	94.2	95.1	95.5	95.6	95.8	95.8	95.8	95.8
GE 800	29.1	66.9	73.1	82.9	87.5	90.1	92.2	95.3	95.6	96.5	97.0	97.1	97.2	97.2	97.2	97.2
GE 700	29.1	68.9	73.1	82.9	87.5	90.1	92.2	95.4	95.8	96.7	97.1	97.2	97.3	97.3	97.3	97.3
GE 600	29.1	68.9	73.1	83.1	87.7	90.4	92.5	95.9	96.2	97.2	97.7	97.8	97.9	97.9	97.9	97.9
GE 500	29.1	68.9	73.1	83.1	87.9	90.7	92.9	96.2	96.5	97.5	98.2	98.3	98.4	98.4	98.4	98.4
GE 400	29.1	68.9	73.1	83.1	87.9	90.8	93.1	96.7	97.1	98.1	99.0	99.1	99.2	99.2	99.2	99.2
GE 300	29.1	68.9	73.1	83.1	87.9	90.8	93.1	96.8	97.2	98.4	99.4	99.6	99.7	99.7	99.7	99.7
GE 200	29.1	68.9	73.1	83.1	87.9	90.8	93.1	96.8	97.2	98.4	99.4	99.6	99.7	99.7	99.7	99.7
GE 100	29.1	68.9	73.1	83.1	87.9	90.8	93.1	96.8	97.2	98.4	99.4	99.6	99.7	99.7	99.7	99.7
GE 0	29.1	68.9	73.1	83.1	87.9	90.8	93.1	96.8	97.2	98.4	99.4	99.6	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 137380 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.0	18.2	20.4	24.2	26.4	28.1	29.1	32.4	34.1	34.6	34.9	35.2	35.4	35.6	35.6	35.1
GE 20000	14.5	24.9	27.3	31.5	34.2	36.6	38.0	41.9	43.7	44.5	45.0	45.4	45.7	45.7	45.7	46.6
GE 18000	14.5	24.9	27.3	31.5	34.2	36.6	38.0	41.9	43.7	44.5	45.0	45.4	45.7	45.7	45.7	46.6
GE 16000	14.5	24.9	27.3	31.5	34.2	36.6	38.0	41.9	43.7	44.5	45.0	45.4	45.7	45.7	45.7	46.6
GE 14000	14.5	25.2	27.6	31.9	34.6	36.9	38.4	42.3	44.0	44.8	45.4	45.7	46.0	46.0	46.0	46.9
GE 12000	16.6	27.8	30.3	34.6	37.3	39.6	41.2	45.2	46.9	47.8	48.4	48.7	49.1	49.1	49.1	49.9
GE 10000	18.3	30.3	33.1	37.6	40.4	43.0	44.5	48.4	50.2	51.1	51.6	52.0	52.3	52.4	52.4	53.3
GE 9000	20.7	35.9	38.8	43.4	46.4	49.1	50.6	54.8	56.6	57.5	58.1	58.4	58.8	58.9	58.9	59.9
GE 8000	21.1	37.2	40.2	45.5	48.5	51.5	53.3	57.5	59.3	60.2	60.8	61.1	61.4	61.5	61.5	62.5
GE 7000	21.1	37.5	40.5	45.7	48.7	51.7	53.5	57.7	59.5	60.4	61.0	61.3	61.6	61.8	61.8	62.8
GE 6000	22.3	39.0	42.0	47.5	50.5	53.5	55.4	59.6	61.4	62.3	63.0	63.3	63.7	63.8	63.8	64.8
GE 5000	23.1	42.7	45.8	51.4	54.5	57.6	59.8	64.0	65.8	66.7	67.6	67.9	68.2	68.3	68.3	69.3
GE 4500	23.5	43.5	46.6	52.6	56.1	59.3	61.4	65.7	67.4	68.3	69.2	69.6	69.9	70.0	70.0	71.0
GE 4000	24.5	46.0	49.2	55.7	59.2	62.9	65.1	69.8	71.6	72.5	73.4	73.7	74.0	74.1	74.1	75.1
GE 3500	25.0	47.8	51.1	57.7	61.5	65.6	67.8	72.5	74.4	75.3	76.1	76.5	76.8	76.9	76.9	77.9
GE 3000	25.5	49.8	53.4	61.3	65.9	70.0	72.2	77.1	79.2	80.0	80.9	81.3	81.6	81.7	81.7	82.7
GE 2500	25.9	50.6	54.3	62.7	67.8	72.1	74.5	79.7	81.7	82.6	83.6	83.9	84.3	84.4	84.4	85.4
GE 2000	26.3	51.5	55.4	64.0	69.3	73.6	76.3	81.9	83.9	84.8	85.8	86.2	86.5	86.6	86.6	87.6
GE 1800	26.3	52.1	56.0	64.9	70.5	74.9	77.5	83.3	85.4	86.3	87.3	87.6	88.0	88.1	88.1	89.1
GE 1500	26.3	52.5	56.4	65.6	71.6	76.3	78.9	84.9	87.3	88.2	89.2	89.5	89.9	90.0	90.0	91.0
GE 1200	26.3	52.6	56.5	65.9	72.1	77.0	80.2	86.6	89.0	89.9	90.9	91.2	91.5	91.6	91.6	92.6
GE 1000	26.3	52.6	56.6	66.3	72.9	77.8	80.9	87.7	90.3	91.2	92.2	92.5	92.9	93.0	93.0	94.0
GE 900	26.3	52.6	56.6	66.3	72.9	77.8	80.9	87.8	90.4	91.3	92.3	92.6	93.0	93.1	93.1	94.1
GE 800	26.3	53.7	57.0	67.0	73.9	78.9	82.2	89.3	92.0	93.0	94.0	94.3	94.6	94.8	94.8	95.6
GE 700	26.3	53.6	57.0	67.1	74.0	79.2	82.6	89.9	92.6	93.9	95.0	95.3	95.7	95.8	95.8	96.8
GE 600	26.3	53.0	57.0	67.1	74.0	79.3	82.7	90.2	93.1	94.5	95.7	96.1	96.4	96.5	96.5	97.5
GE 500	26.3	53.0	57.0	67.1	74.0	79.3	82.7	90.4	93.6	95.1	96.2	96.7	97.0	97.1	97.1	98.1
GE 400	26.3	53.0	57.0	67.1	74.0	79.3	82.8	90.5	93.9	95.3	96.5	97.0	97.3	97.4	97.4	98.4
GE 300	26.3	53.0	57.0	67.1	74.0	79.3	82.8	90.5	93.9	95.3	96.7	97.2	97.8	97.9	97.9	98.9
GE 200	26.3	53.0	57.0	67.1	74.0	79.3	82.8	90.5	93.9	95.3	96.7	97.2	98.0	98.1	98.2	99.4
GE 100	26.3	53.0	57.0	67.1	74.0	79.3	82.8	90.5	93.9	95.3	96.7	97.2	98.0	98.2	98.3	100.0
GE 0	26.3	53.0	57.0	67.1	74.0	79.3	82.8	93.5	93.9	95.3	96.7	97.2	98.7	98.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETA
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	3	0
NO CEIL	10.9	22.1	24.4	29.2	31.6	32.1	32.9	33.9	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.7	
GE 20000	15.9	30.6	33.3	38.9	41.3	42.0	43.1	44.3	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.1	
GE 18000	16.0	30.7	33.4	39.0	41.4	42.1	43.2	44.4	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	
GE 16000	16.0	30.7	33.4	39.0	41.4	42.1	43.2	44.4	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	
GE 14000	16.4	31.1	33.9	39.4	41.9	42.7	43.9	45.1	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.9	
GE 12000	17.1	32.4	35.3	40.9	43.3	44.1	45.3	46.7	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.4	
GE 10000	18.4	34.4	37.3	43.3	46.1	46.9	48.1	49.4	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.2	
GE 9000	20.6	38.2	41.3	47.8	50.7	51.6	52.9	54.4	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.3	
GE 8000	21.2	39.4	42.6	49.7	52.6	53.4	54.8	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.2	
GE 7000	21.7	39.4	42.8	49.7	52.6	53.4	54.8	56.3	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.2	
GE 6000	22.0	40.6	44.0	51.1	54.1	55.0	56.3	57.9	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.8	
GE 5000	22.9	44.2	47.9	55.3	58.4	59.4	60.8	62.3	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.3	
GE 4500	23.9	45.9	49.8	57.4	60.6	61.6	62.9	64.4	65.0	65.3	65.4	65.4	65.4	65.4	65.4	65.6	
GE 4000	24.9	48.4	52.7	60.9	64.7	65.8	67.1	68.9	69.6	69.9	70.0	70.0	70.0	70.0	70.0	70.1	
GE 3500	25.6	50.9	55.8	64.4	68.2	69.4	70.8	72.7	73.3	73.7	73.8	73.8	73.8	73.8	73.8	73.9	
GE 3000	26.0	53.1	58.6	67.8	71.8	73.0	74.3	76.3	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.6	
GE 2500	27.4	56.3	62.1	71.7	76.0	77.2	78.6	80.8	81.4	81.8	81.9	81.9	81.9	81.9	81.9	82.0	
GE 2000	28.2	59.1	65.1	75.2	79.9	81.2	82.6	85.1	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.3	
GE 1800	28.3	59.9	66.0	76.2	81.0	82.7	84.0	86.8	87.4	87.8	87.9	87.9	87.9	87.9	87.9	88.0	
GE 1500	28.7	61.1	67.2	78.2	83.2	85.2	86.6	89.3	90.0	90.3	90.4	90.4	90.4	90.4	90.6	90.7	
GE 1200	28.7	61.6	67.6	79.2	84.2	86.3	87.7	90.7	91.4	91.9	92.0	92.0	92.0	92.0	92.1	92.1	
GE 1000	28.7	62.1	68.4	79.9	85.3	87.7	89.3	92.7	93.6	94.0	94.1	94.1	94.1	94.1	94.2	94.3	
GE 900	28.7	62.2	68.6	80.3	85.8	88.1	89.8	92.2	94.3	94.8	94.9	94.9	94.9	94.9	95.0	95.1	
GE 800	28.7	62.3	68.7	80.6	86.4	89.2	91.0	94.4	95.7	96.1	96.2	96.3	96.3	96.3	96.4	96.6	
GE 700	28.7	62.3	68.7	80.6	86.4	89.2	91.2	94.8	96.0	96.4	96.6	96.8	96.8	96.8	96.9	97.0	
GE 600	28.7	62.3	68.7	80.8	86.4	89.3	91.4	95.3	96.6	97.1	97.2	97.4	97.4	97.6	97.6	97.7	
GE 500	28.7	62.3	68.8	80.9	86.6	89.4	91.7	95.8	97.2	97.8	98.0	98.3	98.4	98.6	98.6	98.7	
GE 400	28.7	62.3	68.8	80.9	86.6	89.4	91.7	95.9	97.4	98.2	98.4	98.6	98.9	99.0	99.0	99.1	
GE 300	28.7	62.3	68.8	80.9	86.6	89.4	91.7	95.9	97.4	98.2	98.4	98.6	98.9	99.1	99.2	99.4	
GE 200	28.7	62.3	68.8	80.9	86.6	89.4	91.7	95.9	97.4	98.2	98.4	98.6	98.9	99.1	99.2	99.4	
GE 100	28.7	62.3	68.8	80.9	86.6	89.4	91.7	95.9	97.4	98.2	98.4	98.6	98.9	99.1	99.2	99.4	
GE	01	28.7	62.3	68.8	80.9	86.6	89.4	91.7	95.9	97.4	98.2	98.4	98.6	98.9	99.1	99.2	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 1700-1900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
1600	23.3	33.0	34.6	36.2	37.3	37.5	37.5	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
1400	23.3	33.0	34.6	36.2	37.3	37.5	37.5	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
1200	23.3	33.0	34.6	36.2	37.3	37.5	37.5	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
1000	23.7	33.5	35.2	36.7	37.9	38.1	38.1	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
800	25.1	35.3	37.1	38.9	40.2	40.4	40.4	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
600	27.5	38.6	40.8	42.7	44.0	44.2	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
400	28.8	40.3	42.5	44.8	46.2	46.4	46.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
200	29.7	41.4	43.8	46.3	47.8	48.0	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
100	29.7	41.4	43.8	46.3	47.8	48.0	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
0	30.6	42.9	45.2	47.6	49.2	49.4	49.4	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
5000	32.1	49.0	51.7	54.3	55.6	56.2	56.2	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
4000	33.0	51.4	54.1	57.0	58.5	58.9	58.9	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
3000	33.3	56.1	58.9	62.0	63.5	63.9	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2000	37.9	61.5	64.7	68.0	69.5	70.0	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
1000	40.2	67.6	71.5	75.4	77.3	77.8	78.0	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
800	42.7	72.2	76.6	81.1	83.1	83.6	83.7	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
600	43.8	75.4	80.7	86.0	88.2	88.9	89.0	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
400	44.0	75.9	81.4	86.9	89.1	89.8	89.9	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
200	44.1	77.1	82.7	89.3	91.8	92.8	93.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
100	44.1	77.6	83.7	90.5	93.0	94.0	94.3	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
5000	44.1	78.1	84.7	91.3	93.8	94.8	95.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
4000	44.1	78.1	84.7	91.3	93.8	94.8	95.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
3000	44.1	78.1	84.7	91.3	93.8	94.8	95.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
2000	44.1	78.3	84.4	91.9	94.4	95.4	95.8	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1000	44.1	78.3	84.4	92.1	94.7	95.7	96.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	44.1	78.3	84.4	92.2	94.8	95.8	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
600	44.1	78.3	84.4	92.2	94.8	95.8	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
400	44.1	78.3	84.4	92.2	94.8	95.8	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
200	44.1	78.3	84.4	92.2	94.8	95.8	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
100	44.1	78.3	84.4	92.2	94.8	95.8	96.1	98.1	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

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: 107360 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	18.5	26.2	26.6	27.4	27.4	27.7	27.9	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
GE 20000	26.1	35.1	36.0	36.8	37.2	37.6	37.7	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 18000	26.1	35.1	36.0	36.8	37.2	37.6	37.7	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 16000	26.1	35.1	36.0	36.8	37.2	37.6	37.7	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 14000	26.1	35.2	36.1	36.9	37.4	37.7	37.8	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 12000	27.4	37.8	38.8	39.7	40.2	40.5	40.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 10000	30.3	41.1	42.1	43.5	44.0	44.3	44.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 9000	32.6	44.7	45.7	47.4	47.9	48.2	48.3	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 8000	33.1	46.0	47.1	49.0	49.4	49.8	49.9	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 7000	33.2	46.1	47.2	49.1	49.6	49.9	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 6000	35.0	49.2	50.4	52.3	52.8	53.1	53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 5000	37.9	58.6	59.8	61.7	62.2	62.5	62.6	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 4500	39.0	61.2	62.4	64.3	64.8	65.1	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4000	41.6	67.8	69.6	71.7	72.1	72.6	72.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 3500	43.3	71.6	73.6	75.7	76.2	76.6	76.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3000	44.2	75.7	78.1	81.2	81.9	82.3	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	45.1	78.9	81.7	85.7	86.8	87.2	87.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 2000	45.7	81.1	84.1	89.0	90.4	90.8	91.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1500	45.7	81.3	84.7	89.7	91.2	91.7	92.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	46.0	81.9	85.3	91.4	93.2	93.7	94.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1000	46.0	82.0	85.6	91.9	93.8	94.4	95.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	46.1	82.3	85.9	92.4	94.3	94.9	95.5	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 900	46.1	82.4	86.0	92.5	94.4	95.0	95.6	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	46.2	82.6	86.2	93.2	95.1	95.6	96.3	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 700	46.2	82.6	86.2	93.3	95.3	95.9	96.5	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	46.2	82.6	86.4	93.4	95.4	96.0	96.6	98.4	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	46.2	82.6	86.4	93.5	95.6	96.2	96.8	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	46.2	82.6	86.4	93.5	95.6	96.2	96.9	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	46.2	82.6	86.4	93.5	95.6	96.2	96.9	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	46.2	82.6	86.4	93.5	95.6	96.2	96.9	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	46.2	82.6	86.4	93.5	95.6	96.2	96.9	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 1600-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	61	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4
NO CEIL	17.3	25.6	26.3	27.1	27.4	27.8	28.1	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
GE 20000	26.3	37.0	38.8	39.1	39.9	40.2	40.6	40.8	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 18000	26.3	37.0	38.0	39.1	39.9	40.2	40.6	40.8	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 16000	26.3	37.0	38.0	39.1	39.9	40.2	40.6	40.8	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 14000	26.4	37.1	38.1	39.2	40.0	40.4	40.7	40.9	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 12000	28.1	40.8	41.8	42.9	43.7	44.0	44.4	44.6	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 10000	30.0	44.1	45.3	46.6	47.5	47.8	48.2	48.4	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 9000	32.2	48.5	49.7	51.1	52.0	52.3	52.6	52.8	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 8000	32.9	49.6	50.8	52.6	53.6	54.0	54.3	54.5	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 7000	32.9	49.6	50.6	52.6	53.6	54.0	54.3	54.5	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 6000	34.1	52.2	53.6	55.6	56.6	57.1	57.4	57.6	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	36.1	62.1	63.7	66.0	67.1	67.6	67.9	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 4500	36.7	64.4	66.1	68.6	70.0	70.6	70.9	71.1	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	38.9	69.0	71.1	74.5	75.7	76.4	76.7	76.9	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 3500	39.8	71.0	73.4	77.3	78.6	79.3	79.6	79.8	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	40.5	74.0	76.7	81.3	82.9	83.7	84.2	84.4	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 2500	41.0	76.0	79.3	84.8	86.6	87.5	88.0	88.4	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2000	41.1	76.6	80.0	86.3	88.4	89.3	89.9	90.3	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1800	41.2	77.4	80.9	87.3	89.4	90.3	91.0	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1600	41.6	77.8	81.5	88.3	91.6	92.6	93.4	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1200	41.6	78.3	81.9	90.3	93.2	94.3	95.2	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1000	41.6	78.5	82.3	91.2	94.4	95.5	96.4	97.2	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	41.6	78.5	82.3	91.2	94.5	95.7	96.7	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 800	41.6	78.5	82.3	91.6	95.0	96.1	97.1	98.0	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	41.6	78.5	82.3	91.6	95.0	96.1	97.1	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	41.6	78.5	82.3	91.6	95.0	96.1	97.1	98.2	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	41.6	78.5	82.3	91.9	95.2	96.4	97.4	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	41.6	78.5	82.3	91.9	95.4	96.7	97.7	98.9	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	41.6	78.5	82.3	91.9	95.4	96.7	97.7	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	41.6	78.5	82.3	91.9	95.4	96.7	97.7	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	41.6	78.5	82.3	91.9	95.4	96.7	97.7	98.9	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 997

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
		160	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760
NO CEIL	18.9	30.7	31.3	32.1	33.0	33.1	33.2	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 20000	22.4	35.9	36.7	37.7	38.8	38.9	39.0	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 18000	22.4	35.9	36.7	37.7	38.8	38.9	39.0	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 16000	22.4	35.9	36.7	37.7	38.8	38.9	39.0	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 14000	22.4	35.9	36.7	37.7	38.8	38.9	39.0	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 12000	23.3	37.3	38.1	39.1	40.3	40.4	40.6	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 10000	26.7	42.0	43.0	44.1	45.2	45.3	45.6	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 9000	31.6	49.4	50.5	51.7	52.9	53.0	53.2	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 8000	32.4	50.8	52.5	53.8	54.9	55.0	55.2	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 7000	32.7	51.2	52.9	54.1	55.2	55.3	55.6	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 6000	33.7	53.2	55.1	56.4	57.5	57.6	57.8	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 5000	34.9	65.8	67.8	69.5	70.6	70.8	71.0	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4500	35.4	68.7	71.0	72.8	73.9	74.0	74.2	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 4000	36.7	73.5	75.9	77.8	79.0	79.1	79.3	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 3500	37.3	76.4	78.9	81.1	82.2	82.3	82.7	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 3000	37.8	78.3	81.1	83.9	85.3	85.6	85.9	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 2500	38.0	79.8	82.8	86.3	87.9	88.2	88.5	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 2000	38.4	81.4	84.6	88.4	90.2	90.7	91.1	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1800	38.5	81.9	85.2	89.2	91.0	91.6	92.1	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	38.5	82.2	85.5	90.2	92.7	93.4	93.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1200	38.5	82.5	85.8	91.2	93.9	94.6	95.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1000	38.5	82.5	85.9	91.5	94.2	95.1	95.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	38.5	82.5	85.9	91.6	94.6	95.5	96.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	38.5	82.6	86.1	92.1	94.9	95.8	96.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	38.5	82.6	86.3	92.8	96.0	96.9	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	38.5	82.6	86.3	92.8	96.0	97.0	97.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	38.5	82.8	86.3	92.8	96.1	97.1	97.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	38.5	82.8	86.3	92.8	96.2	97.3	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	38.5	82.8	86.3	92.8	96.2	97.3	98.1	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	38.5	82.8	86.3	92.8	96.2	97.3	98.1	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	38.5	82.8	86.3	92.8	96.2	97.3	98.1	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	38.5	82.8	86.3	92.8	95.2	97.3	98.1	99.2	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	15.4	25.7	27.1	29.0	30.1	30.6	30.9	31.9	32.2	32.4	32.5	32.5	32.6	32.6	32.6	32.7
GE 20000	20.5	32.7	34.3	36.6	38.0	38.6	39.0	40.1	40.5	40.8	40.9	40.9	41.0	41.0	41.0	41.1
GE 18000	20.5	32.7	34.3	36.6	38.0	38.6	39.0	40.2	40.5	40.8	40.9	40.9	41.0	41.0	41.0	41.2
GE 16000	20.5	32.7	34.3	36.6	38.0	38.6	39.0	40.2	40.5	40.8	40.9	40.9	41.0	41.0	41.0	41.2
GE 14000	20.7	32.9	34.5	36.9	38.2	38.9	39.3	40.4	40.8	41.0	41.1	41.2	41.2	41.3	41.3	41.4
GE 12000	21.9	34.9	36.6	38.9	40.3	41.0	41.4	42.6	43.0	43.2	43.3	43.4	43.4	43.5	43.5	43.6
GE 10000	24.2	38.0	39.8	42.5	44.0	44.6	45.1	46.2	46.6	46.9	47.0	47.0	47.1	47.1	47.1	47.3
GE 9000	27.1	42.8	44.8	47.7	49.3	50.0	50.5	51.7	52.1	52.4	52.5	52.5	52.6	52.6	52.6	52.8
GE 8000	27.8	44.1	46.3	49.4	51.1	51.8	52.3	53.5	53.9	54.2	54.3	54.4	54.4	54.5	54.5	54.6
GE 7000	27.9	44.2	46.4	49.6	51.2	51.9	52.5	53.7	54.1	54.3	54.4	54.5	54.6	54.6	54.6	54.6
GE 6000	28.9	46.2	48.4	51.7	53.3	54.1	54.7	55.9	56.3	56.5	56.7	56.7	56.8	56.8	56.8	57.0
GE 5000	30.5	54.9	57.3	60.9	62.6	63.4	64.0	65.2	65.6	65.9	66.1	66.1	66.2	66.2	66.2	66.4
GE 4500	31.4	57.1	59.7	63.5	65.2	66.1	66.7	67.9	68.3	68.6	68.8	68.8	68.9	68.9	68.9	69.1
GE 4000	32.9	61.2	64.0	68.1	70.0	71.0	71.7	73.0	73.4	73.7	73.9	73.9	74.0	74.0	74.0	74.2
GE 3500	33.8	63.9	66.9	71.4	73.3	74.4	75.1	76.4	76.9	77.2	77.4	77.4	77.5	77.5	77.5	77.7
GE 3000	34.6	66.9	70.4	75.5	77.9	79.0	79.7	81.1	81.6	81.9	82.1	82.2	82.2	82.3	82.3	82.4
GE 2500	35.4	69.3	73.1	78.9	81.5	82.7	83.4	85.0	85.5	85.8	86.0	86.1	86.2	86.2	86.2	86.3
GE 2000	36.0	71.0	75.1	81.4	84.2	85.5	86.4	88.1	88.7	89.0	89.2	89.2	89.3	89.3	89.3	89.5
GE 1800	36.1	71.5	75.8	82.3	85.2	86.6	87.5	89.3	89.8	90.1	90.3	90.4	90.5	90.5	90.5	90.6
GE 1500	36.2	72.4	76.7	83.9	87.2	88.9	89.9	91.9	92.5	92.8	93.0	93.1	93.1	93.2	93.2	93.4
GE 1200	36.2	72.7	77.2	84.8	88.3	90.0	91.2	93.4	94.0	94.3	94.5	94.6	94.7	94.7	94.7	94.9
GE 1000	36.2	72.9	77.4	85.3	89.0	90.9	92.1	94.5	95.1	95.5	95.7	95.7	95.8	95.8	95.9	96.0
GE 900	36.2	72.9	77.5	85.5	89.2	91.1	92.4	94.8	95.5	95.9	96.1	96.2	96.2	96.3	96.3	96.5
GE 800	36.2	73.1	77.6	85.9	89.8	91.8	93.2	95.8	96.5	97.0	97.2	97.3	97.3	97.4	97.4	97.5
GE 700	36.2	73.1	77.7	86.1	90.0	92.1	93.5	96.2	97.0	97.5	97.7	97.8	97.9	97.9	97.9	98.1
GE 600	36.2	73.2	77.7	86.2	90.2	92.3	93.7	96.5	97.4	98.0	98.2	98.3	98.4	98.5	98.5	98.6
GE 500	36.2	73.2	77.7	86.3	90.3	92.4	93.9	96.8	97.8	98.5	98.8	98.9	99.0	99.0	99.0	99.2
GE 400	36.2	73.2	77.7	86.3	90.4	92.5	94.0	97.0	98.0	98.7	99.1	99.2	99.3	99.4	99.4	99.5
GE 300	36.2	73.2	77.7	86.3	90.4	92.5	94.0	97.0	98.1	98.8	99.2	99.3	99.5	99.5	99.5	99.7
GE 200	36.2	73.2	77.7	86.3	90.4	92.5	94.0	97.0	98.1	98.8	99.2	99.4	99.6	99.7	99.7	99.9
GE 100	36.2	73.2	77.7	86.3	90.4	92.5	94.0	97.0	98.1	98.8	99.2	99.4	99.6	99.7	99.7	100.0
GE	36.2	73.2	77.7	86.3	90.4	92.5	94.0	97.0	98.1	98.8	99.2	99.4	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7163

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: MAY HOURS(LEST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1 160	GF 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	31.1	31.7	32.9	33.2	33.5	33.6	33.9	34.1	34.2	34.3	34.3	34.5	34.6	34.8	35.1	
GE 2000	23.5	37.0	37.7	39.1	39.4	39.8	39.9	40.2	40.3	40.4	40.5	40.5	40.7	41.1	41.1	41.4	
GE 1800	23.5	37.0	37.7	39.1	39.4	39.8	39.9	40.2	40.3	40.4	40.5	40.5	40.7	41.1	41.1	41.4	
GE 1600	23.6	37.1	37.8	39.2	39.5	39.9	40.0	40.3	40.4	40.5	40.6	40.6	40.8	41.2	41.2	41.5	
GE 1400	23.7	37.2	37.9	39.3	39.7	40.0	40.1	40.4	40.5	40.6	40.7	40.7	40.9	41.3	41.3	41.6	
GE 1200	24.5	38.0	38.9	40.3	40.6	40.9	41.1	41.4	41.5	41.6	41.7	41.7	41.9	42.2	42.2	42.6	
GE 1000	26.9	42.5	43.3	44.8	45.2	45.5	45.6	45.9	46.0	46.1	46.2	46.2	46.4	46.8	46.8	47.1	
GE 900	31.6	50.0	51.1	52.8	53.1	53.4	53.6	54.0	54.1	54.2	54.3	54.3	54.5	54.8	54.8	55.2	
GE 800	32.4	52.8	53.8	55.5	55.8	56.1	56.3	56.7	56.8	56.9	57.0	57.0	57.2	57.5	57.5	57.9	
GE 700	32.5	53.1	54.3	56.0	56.4	56.7	56.8	57.2	57.3	57.4	57.5	57.5	57.8	58.1	58.1	58.4	
GE 600	34.1	56.6	57.9	59.6	59.9	60.2	60.3	60.8	60.9	61.0	61.1	61.1	61.3	61.6	61.6	62.0	
GE 500	35.8	72.0	73.4	75.1	75.4	75.8	75.9	76.3	76.4	76.5	76.6	76.6	76.8	77.2	77.2	77.5	
GE 450	36.4	74.4	75.8	77.6	77.9	78.2	78.3	78.8	78.9	79.0	79.1	79.1	79.3	79.6	79.6	80.0	
GE 400	37.9	80.2	81.6	83.7	84.3	84.6	84.7	85.1	85.2	85.3	85.5	85.5	85.7	86.0	86.0	86.3	
GE 350	38.6	82.0	83.4	85.7	86.2	86.5	86.6	87.1	87.2	87.3	87.4	87.4	87.6	87.9	87.9	88.3	
GE 300	38.9	83.2	84.7	87.2	87.8	88.6	88.7	89.3	89.4	89.5	89.7	89.7	89.9	90.2	90.2	90.5	
GE 250	38.9	83.7	85.3	88.0	88.7	89.5	89.7	90.3	90.4	90.5	90.6	90.6	90.8	91.2	91.2	91.5	
GE 200	39.1	84.8	87.2	90.4	91.2	92.0	92.1	92.9	93.0	93.1	93.2	93.2	93.4	93.8	93.8	94.1	
GE 180	39.1	84.9	87.3	90.7	91.5	92.3	92.6	93.3	93.4	93.5	93.6	93.6	93.9	94.2	94.2	94.5	
GE 150	39.1	85.1	87.5	91.2	92.1	93.0	93.2	94.1	94.2	94.3	94.4	94.4	94.6	94.9	94.9	95.3	
GE 120	39.2	85.2	87.7	91.5	92.5	93.3	93.5	94.4	94.5	94.6	94.7	94.7	94.9	95.3	95.3	95.6	
GE 100	39.2	85.6	88.0	91.8	93.2	94.2	94.4	95.3	95.4	95.5	95.6	95.6	95.8	96.1	96.1	96.4	
GE 90	39.2	85.6	88.0	91.8	93.3	94.3	94.5	95.4	95.5	95.6	95.7	95.7	95.9	96.2	96.2	96.6	
GE 80	39.2	85.7	88.3	92.3	94.1	95.2	95.4	96.3	96.4	96.6	96.7	96.7	96.9	97.2	97.2	97.5	
GE 70	39.2	85.7	88.3	92.5	94.2	95.4	95.6	96.6	96.7	96.8	96.9	96.9	97.1	97.4	97.4	97.7	
GE 60	39.2	85.7	88.5	92.8	94.6	95.8	96.1	97.2	97.3	97.4	97.5	97.5	97.7	98.1	98.1	98.4	
GE 50	39.2	85.7	88.5	92.8	94.6	96.1	96.4	97.8	98.0	98.2	98.3	98.3	98.5	98.8	98.8	99.1	
GE 40	39.2	85.7	88.5	92.8	94.6	96.1	96.4	98.1	98.2	98.4	98.5	98.5	98.7	99.0	99.0	99.4	
GE 30	39.2	85.7	88.5	92.8	94.7	96.2	96.6	98.2	98.4	98.6	98.7	98.7	98.9	99.2	99.2	99.6	
GE 20	39.2	85.7	88.5	92.8	94.7	96.2	96.8	98.4	98.7	98.9	99.0	99.0	99.2	99.6	99.6	99.9	
GE 10	39.2	85.7	88.5	92.8	94.7	96.2	96.8	98.4	98.7	98.9	99.0	99.0	99.2	99.6	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																	
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24	28	32
NO CEIL	11.2	21.5	22.9	24.9	26.2	26.3	26.4	27.0	27.2	27.3	27.6	27.6	27.7	28.1	28.4	29.4		
GE 20000	13.4	26.0	27.6	30.1	31.5	31.9	32.1	32.7	32.9	33.0	33.4	33.4	33.5	33.6	34.1	35.1		
GE 18000	13.4	26.0	27.6	30.1	31.5	31.9	32.1	32.7	32.9	33.0	33.4	33.4	33.5	33.6	34.1	35.1		
GE 16000	13.4	26.0	27.6	30.1	31.5	31.9	32.1	32.7	32.9	33.0	33.4	33.4	33.5	33.6	34.1	35.1		
GE 14000	13.5	26.1	27.7	30.2	31.6	32.0	32.2	32.8	33.0	33.2	33.5	33.5	33.6	33.9	34.2	35.2		
GE 12000	14.6	28.2	29.8	32.3	33.7	34.0	34.2	34.9	35.1	35.2	35.5	35.5	35.6	36.0	36.3	37.3		
GE 10000	17.4	33.0	34.8	37.9	39.4	39.9	40.1	40.7	41.1	41.2	41.5	41.5	41.6	41.9	42.3	43.2		
GE 9000	20.9	39.1	41.1	44.6	46.3	46.8	47.0	47.7	48.0	48.1	48.4	48.4	48.5	48.9	49.3	50.3		
GE 8000	21.9	41.3	43.3	47.1	48.8	49.3	49.5	50.2	50.5	50.6	50.9	50.9	51.0	51.5	51.8	52.8		
GE 7000	22.0	41.5	43.6	47.3	49.0	49.5	49.7	50.4	50.7	50.8	51.1	51.1	51.2	51.7	52.0	53.0		
GE 6000	23.1	45.3	47.5	51.4	53.0	53.5	53.7	54.4	54.8	54.9	55.3	55.3	55.4	55.8	56.1	57.1		
GE 5000	25.4	58.7	61.2	65.2	67.2	67.7	68.0	68.7	69.1	69.2	69.6	69.6	69.7	70.1	70.4	71.4		
GE 4500	25.6	60.7	63.4	67.5	69.6	70.1	70.5	71.2	71.7	71.8	72.2	72.2	72.3	72.7	73.0	74.0		
GE 4000	26.8	64.8	68.3	72.6	74.6	75.3	75.8	76.5	77.0	77.1	77.6	77.6	77.7	78.1	78.4	79.4		
GE 3500	27.3	66.5	69.9	74.8	77.1	78.0	78.5	79.2	79.7	79.8	80.3	80.3	80.4	80.8	81.1	82.1		
GE 3000	28.0	69.0	72.4	77.6	80.3	81.3	81.8	82.7	83.2	83.3	83.7	83.7	83.9	84.3	84.6	85.6		
GE 2500	28.2	70.2	73.8	79.6	82.1	83.1	83.6	84.6	85.2	85.3	85.7	85.7	85.8	86.2	86.6	87.5		
GE 2000	28.4	71.4	75.3	81.6	84.2	85.2	85.7	87.0	87.6	87.8	88.2	88.2	88.3	88.7	89.1	90.0		
GE 1800	28.5	72.2	76.1	82.4	85.0	86.0	86.6	87.9	88.5	88.6	89.1	89.1	89.2	89.6	89.9	90.9		
GE 1600	28.6	72.6	76.6	83.9	86.7	87.9	88.4	89.7	90.4	90.6	91.0	91.0	91.1	91.5	91.9	92.8		
GE 1400	28.6	72.6	76.8	84.4	87.3	88.6	89.2	90.7	91.3	91.5	92.0	92.0	92.1	92.5	92.8	93.8		
GE 1200	28.7	72.9	77.0	84.7	87.6	89.1	89.6	91.1	91.8	92.1	92.5	92.5	92.6	93.1	93.4	94.4		
GE 1000	28.7	72.9	77.1	85.0	88.0	89.4	89.9	91.7	92.4	92.7	93.2	93.2	93.3	93.7	94.0	95.0		
GE 900	28.7	72.9	77.1	85.3	88.0	89.5	90.1	91.9	92.6	93.0	93.4	93.6	93.6	94.0	94.4	95.3		
GE 800	28.7	73.0	77.2	85.3	88.2	89.7	90.4	92.3	93.1	93.4	93.8	93.8	94.0	94.5	94.8	95.8		
GE 700	28.7	73.0	77.4	85.7	88.6	90.4	91.0	93.1	93.8	94.1	94.6	94.6	94.8	95.2	95.6	96.5		
GE 600	28.7	73.0	77.4	85.8	89.1	90.8	91.7	93.7	94.6	94.9	95.7	95.3	95.6	96.0	96.3	97.3		
GE 500	28.7	73.0	77.4	85.8	89.1	91.0	91.9	94.1	95.0	95.4	95.9	95.9	96.1	96.5	96.9	97.8		
GE 400	28.7	73.0	77.4	85.6	89.2	91.2	92.2	94.7	95.6	96.1	96.5	96.5	96.7	97.3	97.6	98.6		
GE 300	28.7	73.0	77.4	85.8	89.2	91.2	92.2	94.7	95.8	96.6	97.1	97.1	97.3	97.8	98.2	99.2		
GE 200	28.7	73.0	77.4	85.6	89.2	91.2	92.2	94.7	95.8	96.6	97.1	97.1	97.4	98.0	98.4	100.0		
GE 100	28.7	73.0	77.4	85.6	89.2	91.2	92.2	94.7	95.8	96.6	97.1	97.1	97.4	98.0	98.4	100.0		

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	16.7	16.4	18.0	22.1	23.3	24.5	25.0	27.1	27.3	28.0	28.0	28.0	28.3	28.3	29.5	29.1
GE 20000	10.7	22.9	24.6	29.5	31.0	32.5	33.0	33.3	35.5	36.2	36.2	36.2	36.5	36.5	36.7	37.4
GE 18000	10.7	22.9	24.6	29.5	31.0	32.5	33.0	33.3	35.5	36.2	36.2	36.2	36.5	36.5	36.7	37.4
GE 16000	10.7	22.9	24.6	29.5	31.0	32.5	33.0	33.3	35.5	36.2	36.2	36.2	36.5	36.5	36.7	37.4
GE 14000	10.7	22.9	24.6	29.5	31.0	32.5	33.0	33.3	35.5	36.2	36.2	36.2	36.5	36.5	36.7	37.4
GE 12000	12.2	25.2	27.0	31.9	33.5	35.1	35.8	38.0	38.2	38.9	38.9	38.9	39.2	39.2	39.4	40.1
GE 10000	15.3	29.6	31.6	36.9	39.1	40.8	41.5	44.0	44.2	44.9	44.9	44.9	45.3	45.3	45.5	46.2
GE 9000	18.4	34.9	37.6	43.3	45.8	47.7	48.4	51.1	51.4	52.1	52.2	52.2	52.7	52.7	52.9	53.5
GE 8000	19.0	36.8	39.7	45.6	48.3	50.2	51.0	53.7	54.0	54.7	54.8	54.8	55.3	55.3	55.5	56.1
GE 7000	19.0	37.3	40.1	46.0	48.8	50.6	51.5	54.2	54.4	55.1	55.3	55.3	55.7	55.7	55.9	56.6
GE 6000	19.5	38.9	42.3	48.6	51.6	53.4	54.4	57.2	57.4	58.2	58.3	58.3	58.7	58.7	58.9	59.6
GE 5000	21.3	46.4	52.1	58.8	62.1	63.9	65.1	67.9	68.1	68.9	69.0	69.0	69.4	69.4	69.7	70.3
GE 4500	22.0	49.6	53.3	60.1	63.6	65.5	67.0	69.8	70.0	70.7	70.9	70.9	71.3	71.4	71.6	72.3
GE 4000	23.0	52.4	56.2	63.7	67.6	69.6	71.0	74.0	74.2	75.0	75.1	75.1	75.5	75.6	75.8	76.5
GE 3500	23.5	53.8	58.0	66.2	70.2	72.2	73.7	76.7	77.0	77.8	77.9	77.9	78.3	78.4	78.7	79.3
GE 3000	24.4	56.0	60.3	68.8	72.9	75.0	76.6	79.6	80.0	80.7	80.8	80.8	81.3	81.4	81.6	82.2
GE 2500	25.1	57.5	61.9	70.7	74.9	76.9	78.8	82.0	82.3	83.2	83.3	83.3	83.7	83.9	84.1	84.7
GE 2000	25.2	59.0	63.6	72.9	77.1	79.2	81.0	84.4	84.8	85.7	85.8	85.8	86.2	86.3	86.6	87.2
GE 1800	25.2	59.6	64.2	73.9	78.1	80.2	82.2	85.6	86.1	87.0	87.1	87.1	87.5	87.6	87.9	88.5
GE 1500	25.5	60.9	65.8	75.7	80.1	82.2	84.6	88.1	88.7	89.7	89.8	89.8	90.2	90.4	90.6	91.2
GE 1200	25.5	61.2	66.2	76.3	80.6	82.9	85.3	88.7	89.4	90.4	90.5	90.5	90.9	91.0	91.2	91.9
GE 1000	25.5	61.5	66.5	76.7	81.1	83.4	85.8	89.3	89.9	90.9	91.0	91.0	91.4	91.5	91.8	92.4
GE 900	25.5	61.5	66.5	76.7	81.1	83.5	86.0	89.6	90.2	91.2	91.3	91.3	91.8	91.9	92.1	92.7
GE 800	25.5	61.5	66.5	76.7	81.1	83.9	86.3	90.0	90.9	91.9	92.0	92.0	92.4	92.5	92.7	93.4
GE 700	25.6	61.6	66.6	76.9	81.6	84.2	86.7	90.7	91.5	92.5	92.6	92.6	93.1	93.2	93.4	94.0
GE 600	25.6	61.6	66.7	77.1	82.6	84.9	87.6	91.9	92.8	94.1	94.3	94.3	94.7	94.8	95.0	95.7
GE 500	25.6	61.6	66.7	77.4	82.9	85.4	88.2	92.7	93.7	95.3	95.7	95.7	96.1	96.2	96.4	97.1
GE 400	25.6	61.6	66.7	77.4	83.0	85.5	88.3	93.2	94.1	96.0	96.4	96.4	96.9	97.0	97.2	97.8
GE 300	25.6	61.6	66.7	77.4	83.0	85.5	88.3	93.3	94.5	96.6	97.1	97.1	97.5	97.6	97.8	98.5
GE 200	25.6	61.6	66.7	77.5	83.1	85.6	88.4	93.5	94.7	96.9	97.6	97.6	98.4	98.5	98.7	99.5
GE 100	25.6	61.6	66.7	77.5	83.1	85.6	88.4	93.6	94.8	97.0	97.7	98.0	98.5	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 197380 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	11.6	24.8	26.7	28.1	28.6	28.9	29.0	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3
GE 20000	17.1	33.0	35.0	36.9	37.6	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 18000	17.1	33.0	35.0	36.9	37.6	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 16000	17.1	33.0	35.0	36.9	37.6	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 14000	17.1	33.0	35.0	37.0	37.8	38.1	38.2	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 12000	18.7	35.9	38.0	40.1	40.8	41.1	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 10000	21.8	40.3	42.7	45.0	45.8	46.2	46.3	46.4	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 9000	24.2	44.6	47.5	50.4	51.6	52.3	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 8000	25.5	46.7	49.6	52.7	53.9	54.5	54.6	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 7000	25.6	47.0	50.1	53.0	54.2	54.9	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 6000	25.8	47.6	50.9	54.0	55.3	55.9	56.0	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 5000	26.6	54.9	58.2	61.6	62.9	63.5	63.6	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 4500	27.6	56.6	60.0	63.8	65.1	65.8	65.9	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4000	29.3	59.8	63.6	67.7	69.5	70.3	70.5	70.7	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3500	30.7	62.2	66.1	70.4	72.2	73.0	73.2	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 3000	32.4	65.7	70.1	74.7	76.7	77.5	77.8	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2500	33.8	69.2	73.8	78.9	81.0	82.1	82.3	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2000	35.0	72.5	77.5	83.0	85.7	86.7	87.0	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1800	35.2	73.5	78.7	84.6	87.3	88.2	88.6	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1600	35.3	76.0	81.5	87.7	90.5	91.6	92.0	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1400	35.3	77.0	82.6	89.3	92.2	93.3	94.0	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	35.3	77.2	82.8	90.5	93.3	94.6	95.2	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	35.3	77.3	82.9	90.5	93.8	95.1	95.8	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	35.3	77.3	82.9	90.6	94.1	95.5	96.1	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	35.3	77.3	83.0	90.9	94.6	96.0	96.8	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	35.3	77.3	83.0	91.3	95.2	96.7	97.4	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	35.3	77.3	83.0	91.3	95.5	96.9	97.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	35.3	77.3	83.0	91.4	95.6	97.0	98.1	99.0	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	35.3	77.3	83.0	91.4	95.6	97.0	98.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	35.3	77.3	83.0	91.4	95.6	97.0	98.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	35.3	77.3	83.0	91.4	95.6	97.0	98.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	35.3	77.3	83.0	91.4	95.6	97.0	98.2	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WHC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4
NO CEIL	14.5	21.6	21.9	22.1	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
GE 20000	23.4	32.0	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 18000	23.4	32.6	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 16000	23.4	32.6	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 14000	23.4	32.6	33.2	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 12000	24.9	34.6	35.3	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GE 10000	28.4	39.6	40.4	40.8	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 9000	32.3	45.0	46.1	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 8000	33.1	46.8	47.8	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	48.8
GE 7000	33.1	46.9	47.9	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 6000	35.4	49.1	50.5	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 5000	38.7	60.2	62.0	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 4500	40.7	62.8	64.6	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4000	43.3	68.4	70.3	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3500	45.3	72.5	74.5	75.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 3000	47.3	77.1	79.5	81.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2500	48.8	80.4	83.0	84.6	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2000	50.3	84.7	87.7	89.7	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	50.9	86.1	89.1	91.2	92.5	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1600	51.2	87.1	90.3	93.1	94.8	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1500	51.3	88.2	91.5	94.7	96.4	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	51.3	88.3	91.6	94.9	96.6	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	51.3	88.3	91.6	94.9	96.6	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 800	51.3	88.3	91.6	94.9	96.6	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 700	51.3	88.3	91.6	95.0	97.1	97.7	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	51.3	88.3	91.7	95.8	97.9	98.7	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	51.3	88.4	91.9	96.0	98.2	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	51.3	88.4	91.9	96.0	98.2	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	51.3	88.4	91.9	96.0	98.2	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	51.3	88.4	91.9	96.0	98.2	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	51.3	88.4	91.9	96.0	98.2	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 00	51.3	88.4	91.9	96.0	98.2	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	70	60	40	40	32	24	20	16	12	10	8	6	4	3	2
NO CEIL	17.2	21.6	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
GE 20000	28.9	35.5	35.7	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 18000	28.9	35.5	35.7	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 16000	28.9	35.5	35.7	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 14000	28.9	35.5	35.7	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 12000	31.6	38.4	38.7	39.2	39.3	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 10000	35.4	43.7	44.0	44.7	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 9000	40.0	50.4	51.1	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 8000	40.9	52.4	53.0	54.1	54.2	54.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 7000	41.4	52.9	53.6	54.7	54.8	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 6000	44.2	56.4	57.1	58.2	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 5000	47.5	68.4	69.0	70.3	70.4	70.4	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 4500	49.9	70.2	71.0	72.3	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 4000	50.5	74.6	75.9	77.4	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3500	51.4	76.7	78.2	80.0	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 3000	52.8	79.9	81.5	83.6	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 2500	53.9	82.5	84.3	86.7	87.1	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2000	56.0	85.4	87.3	90.1	90.8	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1500	56.0	86.2	88.3	91.8	92.6	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1000	56.0	87.2	89.3	94.0	95.0	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 800	56.0	87.7	90.0	95.4	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	56.0	87.7	90.1	95.7	96.7	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 400	56.0	87.7	90.1	95.7	96.7	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 300	56.0	87.7	90.2	96.0	97.4	97.6	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	56.0	87.7	90.2	96.2	97.9	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 100	56.0	87.7	90.2	96.6	98.4	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	56.0	87.7	90.2	96.6	98.4	99.0	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY HOURS (EST): 1800-2000

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE
	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
NO CEIL	19.5	23.5	23.6	23.6	23.6	23.9	23.9	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 20000	30.8	38.1	38.2	38.2	38.3	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 18000	30.8	38.1	38.2	38.2	38.3	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 16000	30.8	38.1	38.2	38.2	38.3	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 14000	30.8	38.1	38.2	38.2	38.3	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 12000	33.2	41.0	41.1	41.1	41.2	41.4	41.4	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 10000	36.6	46.1	46.4	46.5	46.6	46.9	46.9	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 9000	40.5	51.4	52.0	52.5	52.7	52.9	53.0	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 8000	41.2	53.1	53.9	54.0	55.1	55.3	55.3	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 7000	41.4	53.5	54.2	55.1	55.4	55.6	55.6	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 6000	43.4	56.7	57.5	58.4	58.7	58.9	58.9	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	46.3	69.7	70.5	71.4	71.7	71.9	71.9	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	47.5	72.1	72.9	73.8	74.1	74.3	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4000	49.8	76.7	77.5	78.0	79.3	79.5	79.5	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3500	51.5	79.5	80.6	82.2	82.6	82.9	82.9	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 3000	52.7	82.3	83.5	85.9	86.4	86.9	86.9	87.0	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 2500	53.1	84.7	86.0	88.9	89.8	90.2	90.3	90.6	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	53.3	85.9	87.5	91.0	92.0	92.5	92.7	93.1	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1800	53.6	86.3	88.1	91.8	92.7	93.4	93.7	94.3	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1500	53.7	86.9	88.8	92.8	94.1	94.6	95.1	95.8	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	53.7	87.0	88.9	93.3	94.9	95.6	95.9	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1000	53.7	87.0	88.9	93.4	95.2	95.9	96.2	97.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	53.7	87.0	88.9	93.4	95.3	96.0	96.3	97.2	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	53.7	87.0	88.9	93.6	95.7	96.3	96.6	97.5	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	53.7	87.0	89.0	94.0	96.2	96.9	97.2	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	53.7	87.0	89.0	94.1	96.5	97.3	97.6	98.5	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	53.7	87.0	89.0	94.3	96.6	97.4	97.8	98.7	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	53.7	87.0	89.0	94.3	96.6	97.4	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	53.7	87.0	89.0	94.3	96.6	97.4	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.7	87.0	89.0	94.3	96.6	97.4	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.7	87.0	89.0	94.3	96.6	97.4	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	53.7	87.0	89.0	94.3	96.6	97.4	97.8	99.0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 922

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 177180 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 75-87
MONTH: MAY HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	21.2	28.9	29.5	30.0	30.2	30.3	30.3	30.4	31.5	30.5	30.5	30.5	30.5	30.5	30.5	31.5
GE 20000	28.1	38.2	39.1	39.5	39.9	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 18000	28.1	38.2	39.1	39.5	39.9	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 16000	28.1	38.2	39.1	39.5	39.9	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 14000	28.1	38.2	39.1	39.5	39.9	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 12000	29.3	39.8	40.6	41.1	41.4	41.5	41.5	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 10000	33.3	46.0	46.9	47.5	47.8	47.9	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 9000	36.4	51.9	53.1	53.6	54.1	54.2	54.2	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 8000	37.4	53.6	55.0	55.9	56.3	56.4	56.4	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 7000	37.4	53.9	55.1	56.0	56.4	56.5	56.5	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 6000	38.8	57.3	58.5	59.4	59.8	59.9	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 5000	41.0	72.4	73.7	74.6	75.2	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4500	41.9	74.1	75.4	76.3	76.8	76.9	76.9	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4000	43.6	79.5	80.9	82.1	82.7	82.8	82.8	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 3500	44.4	81.8	83.3	84.5	85.1	85.2	85.2	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	45.0	83.6	85.2	86.8	87.5	87.7	87.7	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 2500	46.0	86.4	88.1	90.1	90.7	91.0	91.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 2000	46.0	87.3	89.1	91.1	91.7	92.2	92.6	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800	46.0	87.6	89.4	91.6	92.3	92.8	93.2	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1600	46.0	88.3	90.6	93.6	94.3	94.9	95.3	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1400	46.0	88.3	90.7	93.1	94.9	95.4	95.9	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	46.0	88.6	91.0	94.2	95.4	96.1	96.5	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	46.0	88.6	91.0	94.2	95.5	96.2	96.6	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	46.0	88.6	91.1	94.3	95.8	96.5	96.9	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 800	46.0	88.6	91.1	94.4	96.2	96.9	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 700	46.0	88.6	91.2	94.6	96.3	97.4	97.9	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	46.0	88.6	91.2	94.6	96.6	97.8	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	46.0	88.6	91.2	94.6	96.6	97.8	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	46.0	88.6	91.2	94.6	96.6	97.8	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	46.0	88.6	91.2	94.6	96.6	97.8	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	46.0	88.6	91.2	94.6	96.6	97.8	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	46.0	88.6	91.2	94.6	96.6	97.8	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 718

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87

ALL

TOTAL NUMBER OF OBSERVATIONS: 7784

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS: 1511: 0000-0400

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	61	90	90	60	48	40	32	24	20	16	12	10	8	5	4
NO CEIL	21.4	34.5	34.7	35.8	36.2	36.4	36.5	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 20000	23.2	38.8	39.3	40.8	41.3	41.4	41.5	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 18000	23.2	38.8	39.3	40.8	41.3	41.4	41.5	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 16000	23.2	38.8	39.3	40.8	41.3	41.4	41.5	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 14000	23.2	38.8	39.3	40.8	41.3	41.4	41.5	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000	24.8	41.1	41.5	43.1	43.5	43.6	43.7	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 10000	29.4	47.5	48.0	49.7	50.2	50.3	50.4	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2
GE 9000	33.1	54.4	55.1	56.9	57.5	57.6	57.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5
GE 8000	34.6	56.7	57.7	59.6	60.2	60.3	60.4	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
GE 7000	34.6	57.2	58.2	60.1	60.6	60.7	60.9	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
GE 6000	35.9	59.6	60.6	62.6	63.2	63.3	63.4	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
GE 5000	38.3	76.1	77.2	79.4	80.0	80.1	80.3	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
GE 4500	38.6	78.2	79.5	81.8	82.4	82.6	82.8	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.6
GE 4000	39.6	83.0	84.6	87.0	87.8	87.9	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
GE 3500	40.4	85.3	87.0	89.5	90.4	90.5	90.7	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.6
GE 3000	41.1	86.9	88.9	91.9	93.0	93.1	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2
GE 2500	41.6	88.3	90.3	93.6	94.6	94.7	95.0	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.9
GE 2000	41.7	88.9	90.9	94.6	95.6	95.7	96.0	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
GE 1800	41.8	89.0	91.1	94.9	95.9	96.0	96.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
GE 1500	42.2	89.4	91.4	95.2	96.2	96.3	96.5	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
GE 1200	42.3	89.7	91.7	95.9	97.3	97.4	97.7	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7
GE 1000	42.3	89.8	91.8	96.1	97.7	97.8	98.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 900	42.3	89.8	91.8	96.1	97.7	97.8	98.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 800	42.3	89.9	91.9	96.2	97.8	97.9	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 700	42.3	89.9	91.9	96.2	97.8	97.9	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
GE 600	42.3	89.9	91.9	96.3	97.9	98.1	98.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.6
GE 500	42.3	89.9	91.9	96.3	97.9	98.2	98.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 400	42.3	89.9	91.9	96.3	97.9	98.2	98.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 300	42.3	89.9	91.9	96.3	97.9	98.2	98.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
GE 200	42.3	89.9	91.9	96.5	98.1	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 100	42.3	89.9	91.9	96.5	98.1	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0
GE 50	42.3	89.9	91.9	96.5	98.1	98.4	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 197383 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-67
MONTH: JUN HOURS (LST): 0700-0500

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	13.3	26.6	29.0	31.9	32.4	33.3	33.9	34.6	35.1	35.2	35.7	35.8	35.9	36.1	36.1	36.5
GE 20000	15.8	31.1	34.1	38.0	38.8	39.7	40.3	40.9	41.5	41.7	42.3	42.4	42.5	42.7	42.7	43.1
GE 18000	15.8	31.1	34.1	38.0	38.8	39.7	40.3	40.9	41.5	41.7	42.3	42.4	42.5	42.7	42.7	43.1
GE 16000	15.8	31.1	34.1	38.0	38.8	39.7	40.3	40.9	41.5	41.7	42.3	42.4	42.5	42.7	42.7	43.1
GE 14000	15.8	31.1	34.1	38.0	38.8	39.7	40.3	40.9	41.5	41.7	42.3	42.4	42.5	42.7	42.7	43.1
GE 12000	17.1	33.2	36.2	40.2	40.9	41.8	42.4	43.1	43.6	43.8	44.4	44.5	44.6	44.9	44.9	45.2
GE 10000	20.4	38.5	41.6	45.7	46.5	47.4	48.0	48.7	49.2	49.4	50.1	50.2	50.3	50.6	50.6	50.9
GE 9000	24.0	46.1	49.4	54.5	55.4	56.5	57.2	57.8	58.4	58.6	59.4	59.5	59.6	59.8	59.8	60.2
GE 8000	24.7	48.0	51.8	56.8	57.8	58.9	59.6	60.3	60.9	61.1	61.9	62.0	62.1	62.3	62.3	62.6
GE 7000	24.7	48.1	51.9	56.9	57.9	59.1	59.7	60.4	61.0	61.2	62.0	62.1	62.2	62.4	62.4	62.8
GE 6000	25.3	50.0	53.8	59.2	60.3	61.4	62.1	62.8	63.3	63.5	64.3	64.4	64.5	64.8	64.8	65.1
GE 5000	27.7	62.2	66.3	71.9	73.0	74.2	74.8	75.5	76.1	76.3	77.1	77.2	77.3	77.5	77.5	77.9
GE 4500	28.7	64.7	69.2	75.1	76.2	77.3	78.0	78.6	79.2	79.4	80.2	80.3	80.4	80.6	80.6	81.0
GE 4000	29.4	68.5	73.3	79.4	80.8	82.2	82.9	83.7	84.2	84.5	85.2	85.3	85.5	85.7	85.7	86.0
GE 3500	29.8	69.9	74.8	81.2	82.6	84.1	84.9	85.8	86.4	86.6	87.4	87.5	87.6	87.8	87.8	88.1
GE 3000	30.3	71.8	77.0	83.8	85.2	86.8	87.6	88.7	89.3	89.5	90.3	90.4	90.5	90.7	90.7	91.1
GE 2500	30.9	72.9	78.1	85.1	86.7	88.3	89.1	90.5	91.1	91.3	92.1	92.2	92.3	92.5	92.5	92.8
GE 2000	31.3	73.8	79.0	86.5	88.3	89.8	90.7	92.2	92.7	93.0	93.7	93.8	94.0	94.2	94.2	94.5
GE 1800	31.3	74.0	79.2	86.7	88.5	90.0	90.9	92.5	93.1	93.3	94.1	94.2	94.3	94.5	94.5	94.9
GE 1600	31.4	74.6	79.9	87.6	89.6	91.3	92.2	94.1	94.6	94.9	95.6	95.7	95.9	96.1	96.1	96.4
GE 1400	31.4	74.8	80.1	87.8	90.5	92.3	93.3	95.3	95.9	96.1	96.9	97.0	97.1	97.3	97.3	97.7
GE 1200	31.4	74.8	80.1	87.9	90.6	92.4	93.4	95.4	96.0	96.2	97.0	97.1	97.2	97.4	97.4	97.8
GE 1000	31.4	74.8	80.1	88.0	90.7	92.5	93.5	95.5	96.1	96.3	97.1	97.2	97.3	97.5	97.5	97.9
GE 900	31.4	74.8	80.1	88.0	90.8	92.6	93.6	95.7	96.4	96.6	97.4	97.5	97.7	97.9	97.9	98.2
GE 800	31.5	74.9	80.3	88.3	91.2	93.0	94.0	96.1	96.8	97.0	97.8	97.9	98.0	98.2	98.2	98.5
GE 700	31.5	74.9	80.3	88.3	91.3	93.2	94.3	96.6	97.3	97.5	98.3	98.4	98.5	98.8	98.8	99.1
GE 600	31.5	74.9	80.3	88.4	91.4	93.4	94.5	97.1	97.8	98.0	98.8	98.9	99.0	99.2	99.2	99.6
GE 500	31.5	74.9	80.3	88.4	91.4	93.4	94.5	97.1	97.8	98.0	98.8	98.9	99.0	99.2	99.2	99.6
GE 400	31.5	74.9	80.3	88.4	91.4	93.4	94.5	97.1	97.8	98.0	98.8	98.9	99.0	99.2	99.2	99.7
GE 300	31.5	74.9	80.3	88.4	91.4	93.4	94.5	97.1	97.8	98.0	98.8	98.9	99.0	99.2	99.2	99.9
GE 200	31.5	74.9	80.3	88.4	91.4	93.4	94.5	97.1	97.8	98.0	98.8	98.9	99.0	99.2	99.2	100.0
GE 100	31.5	74.9	80.3	88.4	91.4	93.4	94.5	97.1	97.8	98.0	98.8	98.9	99.0	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUN

HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	1 160	2 200	3 240	4 280	5 320	6 360	7 400	8 440	9 480	10 520	11 560	12 600	13 640	14 680	15 720	16 760	17 800
NO CEIL	8.3	20.4	23.5	27.9	29.1	29.6	30.0	31.7	32.7	32.9	33.2	33.2	33.2	33.4	33.7	33.8	
GE 20000	12.8	28.3	32.0	37.6	39.0	39.8	40.0	41.7	42.7	43.1	43.4	43.4	43.4	43.7	44.0	44.1	
GE 18000	12.8	28.3	32.0	37.6	39.0	39.8	40.0	41.7	42.7	43.1	43.4	43.4	43.4	43.7	44.0	44.1	
GE 16000	12.8	28.3	32.0	37.6	39.0	39.8	40.0	41.7	42.7	43.1	43.4	43.4	43.4	43.7	44.0	44.1	
GE 14000	12.8	28.3	32.0	37.6	39.0	39.8	40.0	41.7	42.7	43.1	43.4	43.4	43.4	43.7	44.0	44.1	
GE 12000	14.1	31.2	35.1	40.7	42.2	43.0	43.2	44.9	45.9	46.2	46.5	46.5	46.5	47.0	47.2	47.3	
GE 10000	17.6	36.5	40.7	46.4	47.9	48.7	48.9	50.6	51.6	51.9	52.2	52.2	52.2	52.7	52.9	53.0	
GE 9000	21.0	44.1	48.3	54.7	56.2	57.0	57.3	58.9	60.1	60.4	60.7	60.7	60.7	61.2	61.4	61.5	
GE 8000	21.4	45.0	49.7	56.2	57.6	58.5	58.7	60.4	61.5	61.9	62.2	62.2	62.2	62.6	62.9	63.0	
GE 7000	21.6	45.5	50.2	56.7	58.2	59.1	59.3	61.0	62.1	62.4	62.8	62.8	62.8	63.2	63.4	63.5	
GE 6000	22.6	48.1	52.8	59.3	60.7	61.7	62.1	63.8	64.9	65.2	65.5	65.5	65.5	66.0	66.2	66.3	
GE 5000	24.8	56.7	61.6	68.5	70.0	71.1	71.6	73.3	74.4	74.7	75.1	75.1	75.1	75.5	75.7	75.8	
GE 4500	25.7	58.4	63.3	70.2	72.0	73.2	73.6	75.3	76.4	76.7	77.1	77.1	77.1	77.5	77.7	77.9	
GE 4000	26.8	60.3	66.1	73.6	76.1	77.6	78.2	79.9	81.0	81.3	81.7	81.7	81.7	82.1	82.3	82.4	
GE 3500	27.3	62.0	68.1	75.8	78.4	80.0	80.5	82.2	83.3	83.7	84.0	84.0	84.0	84.5	84.7	84.8	
GE 3000	28.7	64.7	70.8	78.7	81.9	83.7	84.3	86.2	87.4	87.7	88.0	88.0	88.0	88.5	88.7	88.8	
GE 2500	29.0	65.5	71.8	80.2	83.6	85.3	86.0	88.1	89.3	89.6	89.9	89.9	89.9	90.4	90.6	90.7	
GE 2000	29.2	66.4	72.9	81.3	84.9	86.7	87.5	89.2	90.3	90.6	90.9	90.9	90.9	91.4	91.6	91.7	
GE 1800	29.2	66.6	73.0	81.4	85.0	87.0	87.8	89.6	90.6	90.9	91.2	91.2	91.2	91.7	91.9	92.0	
GE 1500	29.2	67.0	73.6	82.4	86.5	88.6	89.5	92.3	93.4	93.7	94.1	94.1	94.1	94.5	94.7	94.9	
GE 1200	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 1000	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 900	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 800	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 700	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 600	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 500	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 400	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 300	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 200	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	
GE 100	29.2	67.3	74.0	82.9	86.9	89.1	90.0	93.2	94.3	94.6	95.0	95.0	95.0	95.4	95.6	95.7	

TOTAL NUMBER OF OBSERVATIONS: 394

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107385 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24	30
NO CEIL	12.0	25.3	27.7	29.6	30.2	30.6	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 20000	17.7	35.0	37.4	39.3	39.9	40.3	40.9	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3
GE 18000	17.7	35.0	37.4	39.3	39.9	40.3	40.9	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3
GE 16000	17.7	35.0	37.4	39.3	39.9	40.3	40.9	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3
GE 14000	17.7	35.0	37.4	39.3	39.9	40.3	40.9	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3
GE 12000	20.0	38.7	41.1	43.1	43.7	44.1	44.7	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1
GE 10000	23.2	43.0	45.5	47.5	48.0	48.5	49.1	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6
GE 9000	26.7	48.8	51.3	53.7	54.3	54.7	55.3	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9
GE 8000	27.0	49.8	52.3	54.7	55.3	55.8	56.3	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
GE 7000	27.0	49.9	52.4	54.9	55.4	55.9	56.4	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
GE 6000	28.0	51.7	54.2	56.6	57.3	57.8	58.3	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	31.5	60.3	63.0	65.6	66.4	66.9	67.5	68.0	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.2
GE 4500	32.7	63.0	65.7	68.4	69.2	69.7	70.3	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	35.8	67.4	70.3	73.1	74.0	74.5	75.1	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
GE 3500	37.3	69.7	73.0	75.9	76.9	77.4	78.0	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8
GE 3000	39.6	75.2	78.8	82.7	84.0	84.6	85.1	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	41.2	78.0	81.8	85.9	87.7	88.3	88.8	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	42.2	79.8	83.6	87.9	89.8	90.6	91.3	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
GE 1800	42.2	79.9	84.0	88.4	90.3	91.1	91.7	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	42.6	81.6	85.9	91.1	93.3	94.3	95.0	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	42.8	82.2	86.7	92.1	94.6	95.6	96.4	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	42.8	82.8	87.4	92.8	95.8	96.8	97.7	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	42.8	82.8	87.4	92.8	95.8	96.8	97.7	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	42.8	82.8	87.4	92.8	95.8	96.8	97.7	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 700	42.8	82.8	87.4	92.8	95.9	97.1	98.0	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	42.8	82.8	87.4	93.0	96.1	97.4	98.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	42.8	82.8	87.4	93.0	96.1	97.4	98.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	42.8	82.8	87.4	93.0	96.1	97.4	98.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	42.8	82.8	87.4	93.0	96.1	97.4	98.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	42.8	82.8	87.4	93.0	96.1	97.4	98.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	42.8	82.8	87.4	93.0	96.1	97.4	98.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
GE 50	42.8	82.8	87.4	93.0	96.1	97.4	98.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	17.0	27.1	27.4	28.3	29.1	29.3	29.3	29.6	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	
GE 20000	24.3	36.5	37.0	37.8	38.6	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	
GE 18000	24.3	36.5	37.0	37.8	38.6	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	
GE 16000	24.3	36.5	37.0	37.8	38.6	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	
GE 14000	24.3	36.5	37.0	37.8	38.6	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	
GE 12000	27.5	40.1	40.5	41.4	42.2	42.4	42.4	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	
GE 10000	29.7	43.7	44.2	45.1	45.9	46.1	46.1	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	
GE 9000	33.8	49.3	49.9	51.2	52.0	52.2	52.2	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	
GE 8000	35.1	50.7	51.4	52.7	53.5	53.8	53.9	54.1	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	
GE 7000	35.2	51.1	51.7	53.1	53.9	54.1	54.2	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	
GE 6000	39.0	55.8	56.4	57.8	58.6	58.8	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
GE 5000	43.4	65.3	66.0	67.3	68.1	68.3	68.4	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	
GE 4500	44.8	68.6	69.3	70.8	71.6	71.8	71.9	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	
GE 4000	50.3	77.5	78.4	80.0	80.7	81.0	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	
GE 3500	52.4	81.2	82.2	84.0	84.8	85.0	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	
GE 3000	54.1	84.8	86.0	88.4	89.2	89.5	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	
GE 2500	55.8	88.8	89.9	92.5	93.6	93.8	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	
GE 2000	56.8	90.4	91.7	94.4	95.5	95.9	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GE 1800	56.9	90.7	92.0	94.8	96.0	96.4	96.5	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
GE 1500	57.0	91.8	93.2	96.4	97.5	98.0	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	
GE 1200	57.1	92.5	94.0	97.3	98.4	99.0	99.1	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 1000	57.2	92.6	94.1	97.5	98.7	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 900	57.2	92.6	94.1	97.5	98.7	99.2	99.3	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
GE 800	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 700	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 600	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 500	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 400	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 300	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 200	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 100	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
GE 0	57.2	92.6	94.1	97.6	98.8	99.3	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS 1800-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN FEET	1 160	GF 90	GE 20	GF 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0		
NO CEIL	1	23.6	29.4	29.5	29.9	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2		
GE 30000	31.4	39.4	39.6	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		
GE 18000	31.4	39.4	39.6	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		
GE 16000	31.4	39.4	39.6	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		
GE 14000	31.5	39.5	39.7	40.0	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6		
GE 12000	35.3	43.8	44.0	44.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9		
GE 10000	39.0	48.6	49.1	49.4	49.9	49.9	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1		
GE 9000	44.3	56.3	56.5	57.0	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.7	57.7	57.7		
GE 8000	44.5	56.7	57.0	57.4	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.2		
GE 7000	45.2	57.9	58.1	58.5	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.3		
GE 6000	49.1	63.3	63.7	64.2	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0	65.0		
GE 5000	53.8	74.9	75.3	75.8	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5	76.6	76.6	76.6		
GE 4500	56.1	79.7	80.2	80.7	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.5	81.5		
GE 4000	59.8	85.6	86.2	87.0	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7		
GE 3500	61.2	87.8	88.4	89.4	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.2		
GE 3000	62.4	90.2	90.9	92.6	93.2	93.2	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.5		
GE 2500	63.5	92.6	93.5	95.5	96.1	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.4	96.4	96.4		
GE 2000	64.2	94.2	95.2	97.5	98.3	98.3	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8		
GE 1800	64.2	94.2	95.2	97.7	98.4	98.4	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9		
GE 1600	64.2	94.4	95.5	98.1	98.9	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4		
GE 1400	64.2	94.6	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 1200	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 1000	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 900	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 800	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 700	64.2	94.6	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 600	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 500	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 400	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 300	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 200	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 100	64.2	94.8	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		
GE 0	64.2	94.6	95.9	98.6	99.4	99.4	99.4	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0		

TOTAL NUMBER OF OBSERVATIONS: 997

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS(LST): 1800-2400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	23.4	29.1	29.3	29.6	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
GE 20000	33.3	41.9	42.3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 18000	33.3	41.9	42.3	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 16000	33.4	42.1	42.4	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 14000	33.4	42.1	42.4	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 12000	36.8	46.5	47.1	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 10000	39.7	49.9	50.4	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 9000	45.9	58.6	59.2	60.5	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 8000	46.4	59.7	60.4	62.0	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 7000	46.6	60.5	61.2	62.8	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 6000	50.1	65.1	65.9	67.6	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 5000	53.2	77.3	78.2	80.0	80.4	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 4500	54.5	80.2	81.2	83.2	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 4000	57.0	84.1	85.3	87.7	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3500	58.7	86.2	87.6	89.9	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3000	59.2	88.0	90.2	93.2	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	59.5	88.9	91.2	94.5	95.7	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	59.5	90.0	92.4	96.3	97.5	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	59.5	90.2	92.5	96.5	97.8	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	59.6	90.3	92.6	96.9	98.1	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	59.8	90.6	93.0	97.2	98.4	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	59.8	90.7	93.4	97.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	59.8	90.7	93.4	97.9	99.1	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	59.8	90.7	93.4	98.0	99.2	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 224

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107300 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN HOURS(IST): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 1	GE 3	GE 6	GE 9	GE 12	GE 15	GE 18	GE 21	GE 24	GE 27	GE 30	GE 33	GE 36	GE 39	GE 42	GE 45
NO CEIL	1	21.5	31.9	32.3	32.8	33.3	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 20000	1	25.8	40.1	41.0	41.5	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 18000	1	25.8	40.1	41.0	41.5	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 16000	1	25.8	40.1	41.0	41.5	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 14000	1	25.8	40.1	41.0	41.5	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 12000	1	28.7	43.6	44.5	45.1	45.5	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 10000	1	33.0	49.1	50.0	50.6	51.1	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 9000	1	36.0	56.5	57.5	58.6	59.2	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 8000	1	36.2	57.6	58.6	59.9	60.5	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 7000	1	36.2	57.9	58.9	60.4	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 6000	1	38.5	61.7	62.7	64.4	65.2	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 5000	1	42.5	76.3	77.5	79.2	80.1	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 4000	1	43.6	78.2	79.0	81.3	82.3	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3000	1	45.5	83.0	84.4	86.4	87.4	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 2500	1	46.5	85.7	87.3	89.3	90.4	90.8	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	1	47.0	87.6	89.4	91.6	93.0	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1500	1	47.4	88.6	90.7	93.1	94.5	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1000	1	47.4	89.3	91.4	94.6	96.2	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	1	47.5	89.5	91.6	94.9	96.4	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	1	47.5	90.1	92.2	95.8	97.7	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	1	47.5	90.1	92.3	96.2	98.3	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	1	47.5	90.1	92.3	96.3	98.4	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	1	47.5	90.1	92.3	96.3	98.4	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 150	1	47.5	90.1	92.3	96.5	98.7	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	1	47.5	90.1	92.3	96.5	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 50	1	47.5	90.1	92.3	96.5	98.8	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 30	1	47.5	90.1	92.3	96.7	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 20	1	47.5	90.1	92.3	96.7	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 10	1	47.5	90.1	92.3	96.7	98.9	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 996

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUN HOURS (LST): ALL

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	17.6	28.0	29.2	30.7	31.3	31.6	31.8	32.2	32.4	32.5	32.6	32.6	32.6	32.7	32.7	32.7
GE 20000	23.0	36.4	37.8	39.6	40.4	40.8	41.0	41.4	41.6	41.7	41.8	41.8	41.9	41.9	42.0	42.0
GE 18000	23.0	36.4	37.8	39.8	40.4	40.8	41.0	41.4	41.6	41.7	41.8	41.8	41.9	41.9	42.0	42.0
GE 16000	23.0	36.4	37.8	39.8	40.4	40.8	41.0	41.4	41.6	41.7	41.8	41.8	41.9	41.9	42.0	42.0
GE 14000	23.1	36.4	37.9	39.8	40.5	40.8	41.0	41.4	41.7	41.7	41.8	41.9	41.9	42.0	42.0	42.0
GE 12000	25.6	39.8	41.3	43.3	43.9	44.3	44.4	44.9	45.1	45.2	45.3	45.3	45.3	45.4	45.4	45.5
GE 10000	29.0	44.6	46.2	48.2	48.9	49.3	49.4	49.9	50.1	50.2	50.3	50.4	50.4	50.5	50.5	50.6
GE 9000	33.1	51.0	53.4	55.9	56.6	57.0	57.2	57.7	57.9	58.0	58.1	58.2	58.2	58.3	58.3	58.4
GE 8000	33.7	53.0	54.9	57.4	58.1	58.6	58.8	59.3	59.5	59.6	59.7	59.7	59.8	59.9	59.9	60.0
GE 7000	33.9	53.5	55.3	57.9	58.6	59.1	59.3	59.7	60.0	60.1	60.2	60.2	60.2	60.3	60.4	60.4
GE 6000	36.1	56.9	58.8	61.5	62.2	62.7	62.9	63.4	63.6	63.7	63.9	63.9	63.9	64.0	64.0	64.1
GE 5000	39.4	58.6	70.6	73.5	74.3	74.8	75.0	75.5	75.7	75.8	76.0	76.0	76.0	76.1	76.1	76.2
GE 4500	40.6	71.4	73.5	76.4	77.3	77.8	78.0	78.5	78.8	78.8	79.0	79.0	79.0	79.1	79.2	79.2
GE 4000	43.0	76.2	78.6	81.8	82.8	83.4	83.7	84.2	84.4	84.5	84.7	84.7	84.7	84.8	84.8	84.9
GE 3500	44.2	78.5	81.1	84.4	85.5	86.1	86.4	86.9	87.2	87.3	87.4	87.4	87.5	87.6	87.6	87.6
GE 3000	45.3	81.4	84.2	87.9	88.7	89.9	90.1	90.8	91.0	91.1	91.2	91.3	91.3	91.4	91.4	91.5
GE 2500	46.1	82.9	85.9	90.1	91.6	92.2	92.5	93.3	93.5	93.6	93.7	93.7	93.8	93.9	93.9	94.0
GE 2000	46.6	84.1	87.1	91.7	93.3	94.0	94.3	95.1	95.4	95.4	95.6	95.6	95.6	95.7	95.9	95.9
GE 1800	46.6	84.3	87.3	91.9	93.5	94.3	94.6	95.5	95.7	95.8	95.9	96.0	96.0	96.1	96.1	96.2
GE 1500	46.7	84.9	88.0	92.9	94.7	95.5	95.9	96.8	97.0	97.1	97.3	97.3	97.3	97.4	97.4	97.5
GE 1200	46.8	85.2	88.5	93.5	95.5	96.4	96.8	97.7	97.9	98.0	98.2	98.2	98.2	98.3	98.4	98.4
GE 1000	46.8	85.4	88.6	93.8	95.9	96.7	97.1	98.1	98.3	98.4	98.6	98.6	98.7	98.7	98.8	98.8
GE 900	46.8	85.4	88.6	93.8	95.9	96.9	97.3	98.3	98.6	98.7	98.9	98.9	99.0	99.0	99.0	99.1
GE 800	46.8	85.4	88.7	93.9	96.0	97.0	97.4	98.5	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.3
GE 700	46.8	85.4	88.7	93.9	96.1	97.1	97.6	98.8	99.0	99.1	99.3	99.3	99.3	99.4	99.5	99.5
GE 600	46.8	85.4	88.7	93.9	96.1	97.2	97.7	98.9	99.2	99.3	99.5	99.5	99.5	99.6	99.6	99.7
GE 500	46.8	85.4	88.7	93.9	96.1	97.2	97.7	98.9	99.2	99.3	99.5	99.5	99.6	99.6	99.7	99.8
GE 400	46.8	85.4	88.7	93.9	96.1	97.2	97.7	98.9	99.2	99.3	99.5	99.5	99.6	99.6	99.7	99.8
GE 300	46.8	85.4	88.7	93.9	96.1	97.2	97.7	98.9	99.2	99.3	99.5	99.5	99.6	99.6	99.7	99.8
GE 200	46.8	85.4	88.7	93.9	96.1	97.2	97.7	98.9	99.2	99.3	99.5	99.5	99.6	99.6	99.7	99.8
GE 100	46.8	85.4	88.7	93.9	96.1	97.2	97.7	98.9	99.2	99.3	99.5	99.5	99.6	99.6	99.7	99.8
GE 0	46.8	85.4	88.7	93.9	96.1	97.2	97.7	98.9	99.2	99.3	99.5	99.5	99.6	99.6	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS: 7157

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107320 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(UTC): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GL	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	167	200	200	200	200	200	32	24	20	16	12	10	8	5	4	3	2
NO CEIL	24.0	40.3	41.8	43.4	43.6	43.7	43.7	44.0	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 20000	26.8	45.6	47.2	49.0	49.2	49.4	49.4	49.7	49.7	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	26.8	45.6	47.2	49.0	49.2	49.4	49.4	49.7	49.7	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	26.8	45.6	47.2	49.0	49.2	49.4	49.4	49.7	49.7	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 14000	26.8	45.6	47.2	49.0	49.2	49.4	49.4	49.7	49.7	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	27.4	47.1	48.7	50.6	50.9	51.0	51.0	51.3	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 10000	31.0	51.7	53.5	55.3	55.7	55.8	55.8	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 9000	34.2	59.0	60.9	63.3	63.5	63.9	63.9	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 8000	35.0	60.8	62.8	65.2	65.4	65.7	65.7	66.1	66.1	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 7000	35.2	61.0	63.0	65.4	65.6	65.9	65.9	66.3	66.3	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 6000	36.0	63.5	65.5	67.9	68.1	68.4	68.4	68.8	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 5000	37.7	78.7	81.2	84.0	84.2	84.6	84.6	85.1	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4000	38.3	80.7	83.3	86.3	86.5	86.9	86.9	87.4	87.4	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 3000	39.1	83.9	86.7	89.8	90.2	90.6	90.6	91.1	91.1	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2000	39.2	85.0	88.0	91.2	91.6	92.0	92.0	92.5	92.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1000	39.6	86.8	89.8	93.7	94.0	94.6	94.6	95.1	95.1	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2500	39.8	87.9	91.1	95.0	95.3	96.1	96.1	96.8	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	39.8	88.4	91.8	95.8	96.1	97.0	97.0	97.6	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	39.8	88.6	92.1	96.1	96.4	97.3	97.3	97.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1600	39.8	88.7	92.3	96.3	96.6	97.6	97.6	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1400	39.8	88.7	92.3	96.3	96.6	97.6	97.6	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	39.8	88.7	92.3	96.3	96.6	97.6	97.6	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	39.8	88.7	92.3	96.3	96.6	97.6	97.6	98.4	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	39.8	88.7	92.3	96.4	96.9	97.7	97.7	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	39.8	88.7	92.3	96.4	96.9	97.7	97.7	98.5	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 200	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 100	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 0	39.8	88.7	92.3	96.5	97.0	97.8	97.8	98.6	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(IST): 0500-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO CEIL	13.7	31.4	34.0	28.3	40.1	40.6	40.9	41.6	42.0	42.2	42.2	42.2	42.2	42.4	42.4	42.4
GE 3000	16.7	37.1	40.0	44.6	46.5	47.3	47.4	48.1	48.5	48.7	48.7	48.7	48.7	48.8	48.8	48.9
GE 1800	16.7	37.1	40.0	44.6	46.5	47.3	47.4	48.1	48.5	48.7	48.7	48.7	48.7	48.8	48.8	48.9
GE 1500	16.7	37.1	40.0	44.6	46.5	47.3	47.4	48.1	48.5	48.7	48.7	48.7	48.7	48.8	48.8	48.9
GE 1400	16.7	37.1	40.0	44.6	46.5	47.3	47.4	48.1	48.5	48.7	48.7	48.7	48.7	48.8	48.8	48.9
GE 1200	17.7	39.2	42.0	47.2	48.9	49.7	49.8	50.4	50.9	51.1	51.1	51.1	51.1	51.2	51.3	51.3
GE 1000	20.4	43.7	46.6	52.3	54.0	54.8	54.9	55.5	55.9	56.2	56.2	56.2	56.2	56.4	56.4	56.4
GE 900	24.3	50.6	53.8	59.7	61.4	62.3	62.5	63.2	63.6	63.8	63.9	63.9	63.9	64.0	64.0	64.0
GE 800	24.9	52.2	55.3	61.3	63.1	63.9	64.1	64.9	65.3	65.6	65.6	65.6	65.6	65.7	65.8	65.8
GE 700	24.9	52.2	55.3	61.3	63.1	63.9	64.1	64.9	65.3	65.6	65.6	65.6	65.6	65.7	65.8	65.8
GE 600	25.2	53.3	56.5	62.6	64.4	65.2	65.4	66.2	66.6	66.8	66.8	66.8	66.8	67.0	67.1	67.1
GE 500	26.3	64.5	67.8	74.2	75.9	76.8	77.0	77.8	78.2	78.4	78.4	78.4	78.4	78.6	78.6	78.6
GE 400	26.7	66.5	70.2	76.8	78.5	79.4	79.7	80.5	80.9	81.1	81.1	81.1	81.1	81.2	81.3	81.3
GE 300	27.6	70.6	74.7	81.9	83.7	84.7	85.0	86.0	86.4	86.6	86.6	86.6	86.6	86.7	86.8	86.8
GE 200	27.8	71.8	76.2	83.8	85.6	86.8	87.1	88.6	88.8	88.8	88.8	88.8	88.8	88.9	89.0	89.0
GE 100	28.1	73.8	78.4	86.4	88.4	89.8	90.2	91.1	91.6	91.8	91.8	91.8	91.8	92.0	92.0	92.0
GE 2000	28.3	74.7	79.8	88.2	90.4	91.8	92.4	93.6	94.2	94.4	94.4	94.4	94.4	94.5	94.6	94.6
GE 1800	28.5	75.3	80.6	89.2	91.4	92.9	93.5	94.9	95.5	95.7	95.7	95.7	95.7	95.8	95.9	95.9
GE 1600	28.5	75.4	80.9	89.7	91.9	93.4	94.1	95.7	96.2	96.4	96.4	96.4	96.4	96.5	96.7	96.7
GE 1400	28.5	75.6	81.2	90.2	92.4	94.2	94.8	96.7	97.2	97.4	97.4	97.4	97.4	97.5	97.6	97.6
GE 1200	28.5	75.7	81.3	90.3	92.7	94.4	95.0	96.9	97.4	97.6	97.6	97.6	97.6	97.7	97.9	97.9
GE 1000	28.6	75.7	81.3	90.3	92.7	94.4	95.0	96.9	97.4	97.6	97.6	97.6	97.6	97.7	97.9	97.9
GE 900	28.6	75.7	81.3	90.4	92.8	94.5	95.1	97.0	97.5	97.7	97.7	97.7	97.7	97.8	98.1	98.1
GE 800	28.6	75.7	81.3	90.4	92.9	94.6	95.2	97.1	97.6	97.8	97.8	97.8	97.8	98.1	98.3	98.3
GE 700	28.6	75.7	81.3	90.4	93.0	94.7	95.4	97.2	97.8	98.1	98.2	98.2	98.2	98.3	98.5	98.5
GE 600	28.6	75.7	81.3	90.4	93.0	94.7	95.4	97.3	97.9	98.2	98.2	98.2	98.2	98.3	98.6	98.6
GE 500	28.6	75.7	81.4	90.4	93.0	94.7	95.4	97.6	98.3	98.5	98.5	98.5	98.5	98.6	98.9	98.9
GE 400	28.6	75.7	81.4	90.5	93.1	94.8	95.6	98.1	98.7	98.9	99.0	99.0	99.0	99.1	99.4	99.4
GE 300	28.6	75.7	81.4	90.5	93.1	94.8	95.6	98.2	98.9	99.2	99.2	99.2	99.2	99.5	99.7	99.7
GE 200	28.6	75.7	81.4	90.5	93.1	94.8	95.6	98.2	98.9	99.2	99.2	99.2	99.2	99.5	99.8	99.8
GE 100	28.6	75.7	81.4	90.5	93.1	94.8	95.6	98.2	98.9	99.2	99.2	99.2	99.2	99.5	99.8	99.8
GE 2000	28.6	75.7	81.4	90.5	93.1	94.8	95.6	98.2	98.9	99.2	99.2	99.2	99.2	99.5	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFITAC
AIR WEATHER SERVICE 78AC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS(EST): 0100-0900

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	GE
NO CEIL	7.8	23.4	26.0	33.4	37.3	39.5	40.1	41.5	41.9	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 2800	11.6	29.1	32.0	40.1	44.3	46.4	47.1	48.6	48.9	49.6	49.8	49.8	49.8	49.8	49.8	49.8
GE 1800	11.6	29.1	32.0	40.1	44.3	46.4	47.1	48.6	48.9	49.6	49.8	49.8	49.8	49.8	49.8	49.8
GE 1600	11.6	29.1	32.0	40.1	44.3	46.4	47.1	48.6	48.9	49.6	49.8	49.8	49.8	49.8	49.8	49.8
GE 1400	11.6	29.1	32.0	40.1	44.3	46.4	47.1	48.6	48.9	49.6	49.8	49.8	49.8	49.8	49.8	49.8
GE 1200	12.4	30.5	33.7	42.0	46.2	48.4	49.0	50.5	50.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 1000	14.5	35.4	39.0	47.7	52.0	54.1	54.8	56.4	56.7	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 900	18.8	41.6	46.0	55.9	60.4	62.6	63.2	65.0	65.3	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 800	19.3	43.4	47.9	57.9	62.7	65.1	65.7	67.5	67.8	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 700	19.3	43.5	48.0	58.0	62.8	65.2	65.8	67.6	67.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 600	19.8	44.4	49.0	59.0	63.9	66.3	66.9	68.8	69.1	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 500	21.6	51.6	56.7	67.0	72.0	74.4	75.2	77.0	77.3	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 450	21.8	53.1	58.0	68.4	73.4	75.6	76.6	78.4	78.7	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 400	22.8	56.3	61.8	72.8	78.0	80.6	81.6	83.5	83.8	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 350	23.2	58.4	64.0	75.3	80.5	83.5	84.3	86.4	86.8	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 300	23.2	60.1	65.9	77.9	83.3	86.4	87.5	89.9	90.3	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 250	23.5	60.6	66.6	78.7	84.2	87.7	88.8	91.2	91.8	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 200	23.6	61.1	67.1	79.6	85.1	88.7	89.9	92.4	93.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 180	23.5	61.1	67.1	79.6	85.1	88.7	89.9	92.4	93.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 160	23.5	61.5	67.6	80.2	86.2	90.0	91.4	94.7	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 140	23.5	61.7	67.9	80.6	86.7	90.5	91.9	94.7	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 120	23.5	61.8	68.0	80.7	87.0	90.9	92.3	95.2	95.8	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 100	23.5	61.8	68.0	80.8	87.2	91.1	92.5	95.4	96.0	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 80	23.5	61.8	68.0	80.9	87.3	91.2	92.6	95.8	96.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 60	23.5	61.8	68.0	81.0	87.5	91.4	93.0	96.2	97.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 40	23.5	61.8	68.0	81.0	87.5	91.4	93.1	96.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 20	23.5	61.8	68.0	81.0	87.5	91.4	93.1	96.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 10	23.5	61.8	68.0	81.0	87.5	91.4	93.1	96.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 5	23.5	61.8	68.0	81.0	87.5	91.4	93.1	96.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1	23.5	61.8	68.0	81.0	87.5	91.4	93.1	96.4	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS: 222

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: JUL HOURS (LST): 0900-1100

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 16	GE 20	GE 24	GE 28	GE 32	GE 36	GE 40	GE 44	GE 48	GE 52	GE 56	GE 60	GE 64	GE 68	GE 72	GE 76
NO CEIL	13.2	33.5	36.3	39.1	39.5	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 20000	17.1	39.0	42.5	45.6	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 18000	17.1	39.0	42.5	45.6	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 16000	17.1	39.0	42.5	45.6	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 14000	17.1	35.3	42.8	45.9	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 12000	18.5	41.6	45.2	48.4	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 10000	21.9	46.6	50.5	54.2	54.7	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 9000	24.9	52.7	56.9	60.9	61.4	61.4	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 8000	25.7	53.7	58.1	62.2	62.7	62.8	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 7000	25.8	54.1	59.4	62.6	63.2	63.3	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 6000	26.2	55.4	59.7	63.9	64.5	64.6	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 5000	27.6	60.1	64.6	68.9	69.7	69.8	70.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4500	28.4	62.3	66.7	71.2	71.9	72.0	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	30.2	67.6	72.0	76.9	77.8	78.0	78.3	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3500	31.2	70.3	74.8	79.7	80.8	81.0	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3000	31.9	72.5	76.9	82.1	83.3	83.6	84.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2500	33.5	75.6	80.1	85.1	87.8	88.1	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2000	33.5	77.8	82.6	89.6	91.8	92.3	92.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1800	33.7	78.1	83.0	90.1	92.6	93.3	93.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1600	33.8	79.0	84.2	91.7	94.5	95.6	96.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1400	33.9	79.2	84.5	92.1	94.9	96.2	96.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	33.9	79.2	84.5	92.3	95.2	96.6	97.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	33.9	79.2	84.5	92.3	95.2	96.6	97.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	33.9	79.2	84.5	92.3	95.2	96.6	97.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	33.9	79.2	84.5	92.3	95.2	96.6	97.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	33.9	79.2	84.5	92.5	95.4	96.9	97.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	33.9	79.2	84.5	92.5	95.6	97.0	97.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	33.9	79.2	84.5	92.5	95.6	97.0	97.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	33.9	79.2	84.5	92.5	95.6	97.0	97.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	33.9	79.2	84.5	92.5	95.6	97.0	97.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	33.9	79.2	84.5	92.5	95.6	97.0	97.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	33.9	79.2	84.5	92.5	95.6	97.0	97.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 01	33.9	79.2	84.5	92.5	95.6	97.0	97.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 923

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS(LST): 1207-1400

MONTH: JUL HOURS(LEST): 1207-1400

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	61	GE	61	GE	61	GE	61	GE	61	GE	61	GE	61	GE	61
		160	90	60	48	40	32	24	20	16	12	10	8	6	4	0	
NO CEIL	1	28.1	36.4	36.7	37.2	37.2	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 20000	1	35.9	46.3	46.6	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 18000	1	35.9	46.3	46.6	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 16000	1	35.9	46.3	46.6	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 14000	1	36.7	46.4	46.7	47.2	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 12000	1	39.4	50.6	51.0	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 10000	1	42.6	55.4	55.9	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 9000	1	45.1	59.6	60.2	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 8000	1	45.3	60.1	60.8	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 7000	1	46.4	61.3	62.0	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 6000	1	48.9	64.7	65.3	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 5000	1	51.0	76.4	77.1	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4500	1	52.7	77.5	78.2	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 4000	1	54.9	82.8	83.6	84.8	85.0	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3500	1	55.9	85.3	86.2	87.6	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3000	1	56.6	88.2	89.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	1	57.5	90.7	92.6	94.9	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	1	57.6	91.4	93.4	96.0	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	1	57.9	91.9	93.8	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1600	1	57.9	92.2	94.1	97.2	97.6	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1400	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	1	57.9	92.3	94.3	97.4	97.8	97.9	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107260 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS: 1511: 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GF	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	100	90	80	70	60	50	40	32	24	20	16	12	10	8	5	0
NO CEIL	28.8	35.6	36.5	37.3	37.3	37.3	37.3	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GE 20000	37.4	47.6	48.3	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 18000	37.4	47.6	48.3	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 16000	37.4	47.6	48.3	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	37.4	47.6	48.3	49.1	49.1	49.1	49.1	49.1	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 12000	41.1	51.9	52.6	53.5	53.6	53.6	53.6	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 10000	43.7	56.6	57.4	58.3	58.4	58.4	58.4	58.4	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 9000	47.3	62.4	63.3	64.5	64.6	64.7	64.7	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 8000	47.7	63.5	64.4	65.7	65.8	65.9	65.9	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 7000	47.9	64.0	64.8	66.1	66.2	66.3	66.3	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 6000	49.9	67.3	68.3	69.6	69.7	69.8	69.8	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 5000	52.4	79.0	80.1	81.4	81.5	81.6	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 4500	52.9	80.6	81.8	83.2	83.4	83.5	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 4000	54.7	85.1	86.6	88.3	88.5	88.6	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 3500	55.3	87.6	89.2	91.5	91.9	92.4	92.5	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	55.8	89.9	91.7	94.7	95.2	95.9	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2500	56.2	90.6	92.3	95.6	96.1	96.8	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	56.2	91.0	92.7	96.2	96.8	97.4	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	56.2	91.1	92.9	96.3	96.9	97.5	97.6	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1600	56.2	91.2	93.1	96.8	97.3	97.9	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1400	56.2	91.2	93.1	96.8	97.3	97.9	98.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	56.2	91.2	93.1	96.9	97.4	98.1	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	56.2	91.2	93.1	96.9	97.4	98.1	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	56.2	91.2	93.1	97.1	97.6	98.3	98.5	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	56.2	91.2	93.1	97.1	97.7	98.5	98.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	56.2	91.2	93.1	97.1	97.7	98.5	98.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	56.2	91.2	93.1	97.1	97.7	98.5	98.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	56.2	91.2	93.1	97.1	97.7	98.5	98.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	56.2	91.2	93.1	97.1	97.7	98.5	98.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	56.2	91.3	93.2	97.2	97.8	98.6	98.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	56.2	91.3	93.2	97.2	97.8	98.6	98.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	56.2	91.3	93.2	97.2	97.8	98.6	98.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	56.2	91.3	93.2	97.2	97.8	98.6	98.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL HOURS/STATION: 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520
NO CEIL	27.5	38.8	39.5	40.5	40.9	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 20000	30.7	45.4	46.1	47.2	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 18000	30.7	45.4	46.1	47.2	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 16000	30.7	45.4	46.1	47.2	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 14000	30.7	45.4	46.1	47.2	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 12000	32.3	47.8	48.4	49.6	50.2	50.3	50.7	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 10000	36.8	54.0	54.8	56.0	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 9000	39.4	60.3	61.3	63.2	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 8000	40.0	62.1	63.1	65.3	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 7000	40.3	62.6	63.5	65.7	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 6000	41.3	64.9	66.1	68.3	69.1	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 5000	43.0	79.6	81.4	83.8	84.8	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4500	44.2	82.3	83.9	86.7	87.8	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 4000	45.0	85.3	87.1	90.2	91.3	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3500	45.3	87.3	89.1	92.2	93.4	93.7	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3000	45.6	89.1	90.9	94.7	95.9	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2500	45.8	89.8	91.7	95.6	96.9	97.2	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	45.7	90.2	92.1	96.1	97.5	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	45.7	90.2	92.1	96.2	97.6	98.0	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1600	45.7	90.2	92.1	96.4	98.0	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1400	45.7	90.2	92.1	96.4	98.0	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 50	45.7	90.2	92.1	96.5	98.1	98.7	98.9	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	20.7	34.1	35.6	38.0	38.9	39.2	39.4	39.7	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 20000	25.8	41.6	43.3	45.9	46.8	47.2	47.3	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 18000	25.8	41.6	43.3	45.9	46.8	47.2	47.3	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 16000	25.8	41.6	43.3	45.9	46.8	47.2	47.3	47.7	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 14000	25.8	41.7	43.4	46.0	47.0	47.3	47.5	47.8	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2
GE 12000	27.7	44.4	46.1	48.8	49.8	50.2	50.3	50.7	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 10000	30.8	49.3	51.2	54.1	55.1	55.5	55.6	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 9000	34.0	55.1	57.3	60.6	61.7	62.2	62.3	62.8	62.9	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
GE 8000	34.6	56.5	58.6	62.1	63.2	63.7	63.8	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 7000	34.8	56.9	59.1	62.6	63.7	64.2	64.3	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 6000	36.1	59.2	61.4	64.9	66.1	66.6	66.7	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 5000	38.1	69.8	72.3	76.0	77.1	77.6	77.8	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7
GE 4500	38.7	71.6	74.2	78.0	79.2	79.7	79.9	80.5	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	40.1	76.0	78.8	83.0	84.3	84.9	85.1	85.7	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3500	40.8	78.1	81.1	85.5	86.9	87.6	87.8	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3000	41.4	80.6	83.8	88.8	90.3	91.1	91.3	92.0	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	41.9	82.2	85.5	90.9	92.4	93.3	93.7	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	42.0	83.1	86.5	92.1	93.8	94.6	95.1	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4
GE 1800	42.1	83.3	86.7	92.4	94.2	95.1	95.5	96.4	96.5	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8
GE 1500	42.1	83.6	87.2	93.0	95.0	96.1	96.5	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	42.1	83.7	87.3	93.2	95.2	96.3	96.8	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	42.1	83.7	87.3	93.3	95.3	96.5	97.0	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	42.1	83.7	87.4	93.4	95.4	96.6	97.1	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	42.1	83.7	87.4	93.4	95.5	96.7	97.2	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	42.1	83.7	87.4	93.4	95.5	96.8	97.3	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	42.1	83.7	87.4	93.5	95.5	96.8	97.4	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	42.1	83.7	87.4	93.5	95.6	96.9	97.4	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 400	42.1	83.7	87.4	93.5	95.6	96.9	97.5	99.1	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 300	42.1	83.8	87.4	93.5	95.6	96.9	97.5	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
GE 200	42.1	83.8	87.4	93.5	95.6	96.9	97.5	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9
GE 100	42.1	83.8	87.4	93.5	95.6	96.9	97.5	99.2	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
GE 0	42.1	83.8	87.4	93.5	95.6	96.9	97.5	99.2	99.4	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7395

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(LOCAL): 0000-0000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	21.7	36.9	40.7	43.5	44.4	45.2	45.4	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	
GE 2000	23.2	41.6	43.8	47.2	48.1	48.9	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	
GE 1800	23.2	41.6	43.8	47.2	48.1	48.9	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	
GE 1600	23.2	41.6	43.8	47.2	48.1	48.9	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	
GE 1400	23.2	41.6	43.8	47.2	48.1	48.9	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.7	
GE 1200	24.8	43.5	45.7	49.2	50.1	50.8	51.0	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	
GE 1000	28.8	48.4	50.6	54.2	55.3	56.1	56.4	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	
GE 900	32.4	55.3	57.7	61.7	62.9	63.7	64.0	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	
GE 800	32.7	57.3	59.7	63.7	64.9	65.8	66.0	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	
GE 700	32.9	57.5	59.9	64.0	65.1	66.0	66.2	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	
GE 600	33.7	59.2	61.6	65.6	66.8	67.9	68.1	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.2	
GE 500	36.5	74.9	77.6	81.7	83.2	84.5	84.7	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	
GE 450	37.7	76.1	78.9	83.3	84.8	86.1	86.4	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	
GE 400	37.7	79.5	82.5	87.1	88.6	89.9	90.2	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	
GE 350	37.8	80.1	83.2	87.9	89.5	90.8	91.1	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2	
GE 300	38.0	80.9	83.9	88.8	90.3	91.6	92.0	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.1	
GE 250	38.3	81.4	84.6	89.5	91.0	92.3	92.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	
GE 200	38.4	82.2	85.6	90.9	92.4	93.9	94.4	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.7	
GE 180	38.4	82.4	86.0	91.4	92.9	94.5	94.9	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	
GE 150	38.5	82.6	86.3	92.0	93.6	95.1	95.5	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.9	
GE 120	38.5	82.6	86.4	92.1	93.7	95.3	95.8	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.2	
GE 100	38.5	82.6	86.4	92.2	93.8	95.4	96.0	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.5	
GE 90	38.5	82.8	86.6	92.4	94.0	95.7	96.2	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8	
GE 80	38.5	83.0	86.9	92.5	94.1	95.8	96.3	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.9	
GE 70	38.5	83.0	86.8	92.6	94.6	96.2	96.7	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.4	
GE 60	38.5	83.0	86.8	92.7	94.9	96.5	97.1	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7	
GE 50	38.5	83.0	86.8	92.7	95.0	96.7	97.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	
GE 40	38.5	83.0	86.8	92.7	95.1	96.9	97.7	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6	
GE 30	38.5	83.0	86.8	92.7	95.1	96.9	97.8	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 20	38.5	83.0	86.8	92.7	95.1	96.9	97.8	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 10	38.5	83.0	86.8	92.7	95.1	96.9	97.8	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	
GE 0	38.5	83.0	86.8	92.7	95.1	96.9	97.8	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(LST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS																	
IN FEET	1 16'	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0			
NO CEIL	14.7	29.3	31.7	30.8	39.2	39.9	40.3	41.7	42.1	42.5	42.5	42.6	43.0	43.1	43.3	43.6			
GE 2000	16.1	32.0	34.4	40.7	43.4	44.1	44.6	46.0	46.3	46.7	46.7	46.8	47.2	47.4	47.5	48.0			
GE 1800	16.1	32.0	34.4	40.7	43.4	44.1	44.6	46.0	46.3	46.7	46.7	46.8	47.2	47.4	47.5	48.0			
GE 1600	16.1	32.0	34.4	40.7	43.4	44.1	44.6	46.0	46.3	46.7	46.7	46.8	47.2	47.4	47.5	48.0			
GE 1400	16.1	32.0	34.4	40.7	43.4	44.1	44.6	46.0	46.3	46.7	46.7	46.8	47.2	47.4	47.5	48.0			
GE 1200	16.8	33.4	35.8	42.2	45.0	45.7	46.2	47.7	48.0	48.4	48.4	48.5	49.0	49.1	49.2	49.7			
GE 1000	20.4	38.0	40.5	47.1	49.9	50.7	51.1	52.8	53.1	53.5	53.5	53.6	54.0	54.2	54.3	54.8			
GE 900	23.3	45.3	48.3	55.7	58.7	59.5	60.0	61.6	61.9	62.4	62.4	62.5	62.9	63.1	63.2	63.6			
GE 800	23.6	46.5	49.5	56.9	59.9	60.8	61.3	63.1	63.4	63.9	63.9	64.0	64.4	64.6	64.7	65.1			
GE 700	23.7	46.8	49.8	57.2	60.2	61.2	61.6	63.4	63.8	64.2	64.2	64.3	64.7	64.9	65.0	65.6			
GE 600	24.5	48.1	51.2	58.5	61.9	62.9	63.4	65.3	65.6	66.0	66.0	66.1	66.6	66.8	66.9	67.4			
GE 500	26.0	59.8	63.2	70.9	74.3	75.3	75.8	77.8	78.1	78.6	78.6	78.7	79.2	79.4	79.5	80.0			
GE 450	27.2	62.0	65.5	73.8	77.2	78.2	78.7	80.9	81.2	81.8	81.8	81.9	82.3	82.5	82.6	83.2			
GE 400	28.8	65.6	69.4	78.1	81.9	82.8	83.4	85.7	86.0	86.6	86.6	86.7	87.2	87.4	87.5	88.0			
GE 350	29.0	66.6	70.3	79.3	83.2	84.3	84.8	87.1	87.4	88.0	88.0	88.1	88.6	88.8	88.9	89.4			
GE 300	29.2	67.1	70.9	80.0	84.0	85.2	85.8	88.0	88.3	89.0	89.0	89.1	89.5	89.8	89.9	90.4			
GE 250	29.4	68.2	72.0	81.2	85.3	86.7	87.3	90.0	90.3	90.8	90.9	91.0	91.5	91.7	91.8	92.3			
GE 200	29.4	69.1	73.0	82.3	86.8	88.3	88.9	91.6	91.9	92.6	92.6	92.7	93.1	93.3	93.4	94.0			
GE 180	29.4	69.4	73.2	82.7	87.6	89.1	89.6	92.4	92.8	93.4	93.4	93.5	94.0	94.2	94.3	94.8			
GE 150	29.4	69.7	73.6	83.4	88.3	90.1	90.6	93.4	93.7	94.4	94.4	94.5	94.9	95.1	95.3	95.8			
GE 120	29.4	69.6	73.7	83.6	88.7	90.4	90.9	93.9	94.2	94.8	94.8	94.9	95.4	95.6	95.7	96.2			
GE 100	29.4	69.8	73.8	83.8	89.0	90.8	91.4	94.6	94.9	95.6	95.6	95.7	96.1	96.3	96.4	97.0			
GE 90	29.4	69.8	73.8	83.8	89.1	90.9	91.6	94.8	95.1	95.8	95.8	95.9	96.3	96.5	96.7	97.2			
GE 80	29.4	69.8	73.8	83.8	89.1	90.9	91.7	94.9	95.3	95.9	95.9	96.0	96.4	96.7	96.8	97.3			
GE 70	29.4	69.9	73.9	83.9	89.2	91.0	91.8	95.0	95.4	96.0	96.0	96.1	96.5	96.8	96.9	97.4			
GE 60	29.4	70.0	74.0	84.0	89.4	91.3	92.0	95.4	95.8	96.4	96.4	96.5	97.0	97.2	97.3	97.8			
GE 50	29.4	70.0	74.0	84.0	89.5	91.6	92.4	95.8	96.2	96.9	96.9	97.0	97.4	97.6	97.7	98.3			
GE 40	29.4	70.0	74.0	84.0	89.5	91.6	92.4	95.9	96.3	97.0	97.0	97.1	97.5	97.7	97.8	98.4			
GE 30	29.4	70.0	74.0	84.0	89.5	91.6	92.7	96.2	96.8	97.4	97.4	97.5	98.0	98.2	98.3	98.9			
GE 20	29.4	70.0	74.0	84.0	89.5	91.6	92.7	96.3	97.1	97.7	97.7	98.1	98.6	98.8	98.9	99.7			
GE 10	29.4	70.0	74.0	84.0	89.5	91.6	92.7	96.4	97.2	97.8	97.8	98.2	98.3	98.8	99.0	99.0			
GE 0	29.4	70.0	74.0	84.0	89.5	91.6	92.7	96.4	97.2	97.8	97.8	98.2	98.3	98.8	99.0	99.0			

TOTAL NUMBER OF OBSERVATIONS: 227

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	25
NO	12.6	22.5	25.6	32.0	36.0	38.3	39.9	44.3	45.7	46.8	47.3	47.4	47.7	48.2	48.4	48.6
GE 20000	12.6	22.5	25.6	32.0	36.0	38.3	39.9	44.3	45.7	46.8	47.3	47.4	47.7	48.2	48.4	48.6
GE 18000	12.6	22.5	25.6	32.0	36.1	38.4	40.0	44.4	45.8	46.9	47.4	47.5	47.8	48.3	48.5	49.7
GE 16000	12.6	22.5	25.6	32.0	36.1	38.4	40.0	44.4	45.8	46.9	47.4	47.5	47.8	48.3	48.5	49.7
GE 14000	12.6	22.5	25.6	32.0	36.1	38.4	40.0	44.4	45.8	46.9	47.4	47.5	47.8	48.3	48.5	49.7
GE 12000	13.7	24.5	27.6	34.2	38.4	40.6	42.2	46.9	48.3	49.4	49.9	50.0	50.3	50.9	51.1	51.3
GE 10000	18.0	29.8	33.3	40.3	44.6	47.0	48.6	53.4	54.8	55.9	56.5	56.6	56.9	57.4	57.7	58.8
GE 9000	21.2	36.3	40.4	48.3	53.0	55.7	57.3	62.2	63.7	64.9	65.5	65.6	65.9	66.5	66.7	67.9
GE 8000	21.6	37.0	41.3	49.5	54.3	57.1	58.7	63.8	65.3	66.5	67.1	67.2	67.6	68.1	68.3	69.5
GE 7000	21.6	37.2	41.5	49.7	54.5	57.3	58.9	64.0	65.6	66.8	67.5	67.6	67.9	68.4	68.6	69.8
GE 6000	22.2	38.5	42.9	51.1	56.1	58.9	60.6	65.6	67.2	68.4	69.1	69.2	69.5	70.0	70.3	71.4
GE 5000	23.5	44.8	49.2	57.9	63.5	66.3	67.9	73.1	74.7	75.9	76.5	76.6	76.9	77.5	77.7	78.9
GE 4500	24.0	46.7	51.4	60.2	65.8	68.6	70.4	75.5	77.2	78.3	79.0	79.2	79.5	80.1	80.3	81.5
GE 4000	25.0	49.1	54.2	63.4	69.1	71.9	73.7	79.2	80.8	82.0	82.7	82.9	83.2	83.7	84.0	85.1
GE 3500	25.0	49.7	54.6	64.2	70.3	73.3	75.1	80.6	82.2	83.4	84.1	84.3	84.6	85.1	85.3	86.5
GE 3000	25.1	50.6	56.4	66.1	72.4	75.4	77.5	83.2	84.9	86.1	86.7	87.0	87.3	87.8	88.0	89.2
GE 2500	25.2	51.0	56.8	66.6	73.0	76.0	78.0	83.7	85.6	86.7	87.4	87.6	87.9	88.5	88.7	89.9
GE 2000	25.4	51.5	57.3	67.5	73.9	77.3	79.4	85.3	87.3	88.5	89.1	89.3	89.7	90.2	90.4	91.6
GE 1800	25.4	51.8	57.7	67.9	74.5	77.8	80.0	86.2	88.1	89.3	89.9	90.2	90.5	91.1	91.3	92.5
GE 1500	25.8	52.2	58.1	68.4	75.3	78.9	81.0	87.5	89.4	90.6	91.3	91.5	91.8	92.3	92.6	93.8
GE 1200	25.8	52.4	58.3	69.0	76.2	79.7	82.5	89.2	91.2	92.3	93.0	93.2	93.5	94.1	94.3	95.5
GE 1000	25.8	52.5	58.5	69.2	76.4	80.0	82.8	89.4	91.4	92.6	93.2	93.4	93.8	94.3	94.5	95.7
GE 900	25.8	52.5	58.5	69.2	76.5	80.2	83.2	89.9	91.8	93.0	93.6	93.9	94.2	94.7	94.9	96.1
GE 800	25.8	52.5	58.5	69.2	76.6	80.4	83.4	90.2	92.2	93.4	94.1	94.3	94.6	95.2	95.4	96.6
GE 700	25.8	52.5	58.5	69.2	76.6	80.4	83.4	90.2	92.2	93.4	94.1	94.3	94.6	95.2	95.4	96.6
GE 600	25.8	52.5	58.5	69.2	76.6	80.5	83.5	90.4	92.5	93.8	94.4	94.6	94.9	95.5	95.7	96.9
GE 500	25.8	52.5	58.5	69.2	76.7	80.6	83.6	90.5	93.0	94.3	94.9	95.2	95.5	96.0	96.2	97.4
GE 400	25.8	52.5	58.5	69.2	76.7	80.9	84.1	91.2	93.2	94.8	95.5	95.7	96.0	96.6	96.8	98.0
GE 300	25.8	52.5	58.5	69.2	76.7	80.9	84.1	91.6	93.9	95.6	96.2	96.4	96.9	97.4	97.6	99.0
GE 200	25.8	52.5	58.5	69.2	76.7	80.9	84.1	91.6	93.9	95.7	96.3	96.6	97.0	97.6	97.8	99.9
GE 100	25.8	52.5	58.5	69.2	76.7	80.9	84.1	91.6	93.9	95.7	96.3	96.6	97.0	97.6	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	GT 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	15.5	30.4	33.0	36.6	39.0	39.7	40.5	41.3	41.5	41.9	41.9	41.9	41.9	41.9	42.0	42.1	
GE 20000	18.1	35.6	38.4	42.7	45.5	46.6	47.6	48.5	48.7	49.2	49.2	49.2	49.2	49.2	49.3	49.4	
GE 18000	18.1	35.6	38.4	42.7	45.5	46.6	47.6	48.5	48.7	49.2	49.2	49.2	49.2	49.2	49.3	49.4	
GE 16000	18.1	35.6	38.4	42.7	45.5	46.6	47.6	48.5	48.7	49.2	49.2	49.2	49.2	49.2	49.3	49.4	
GE 14000	18.1	35.6	38.4	42.7	45.5	46.6	47.6	48.5	48.7	49.2	49.2	49.2	49.2	49.2	49.3	49.4	
GE 12000	19.0	37.1	40.0	44.4	47.2	48.3	49.3	50.3	50.5	50.9	50.9	50.9	50.9	50.9	51.0	51.1	
GE 10000	22.7	41.7	44.6	49.5	52.7	53.8	54.8	55.8	56.0	56.5	56.5	56.5	56.5	56.5	56.6	56.7	
GE 9000	27.1	49.3	52.8	57.7	61.0	62.1	63.3	64.3	64.5	65.0	65.0	65.0	65.0	65.0	65.1	65.2	
GE 8000	27.6	50.1	53.5	59.3	63.1	64.3	65.7	66.7	66.9	67.4	67.4	67.4	67.4	67.4	67.5	67.6	
GE 7000	27.9	50.3	53.8	59.5	63.3	64.5	65.9	66.9	67.1	67.6	67.6	67.6	67.6	67.6	67.7	67.8	
GE 6000	28.1	51.1	55.0	60.9	64.7	65.9	67.4	68.3	68.6	69.0	69.0	69.0	69.0	69.0	69.1	69.2	
GE 5000	29.1	57.3	61.2	67.5	71.4	72.6	74.1	75.1	75.3	75.7	75.7	75.7	75.7	75.7	75.8	76.0	
GE 4500	29.8	59.0	62.8	69.3	73.2	74.5	76.2	77.1	77.4	77.8	77.8	77.8	77.8	77.8	77.9	78.0	
GE 4000	31.1	61.7	65.6	72.7	76.8	78.1	79.9	80.8	81.1	81.5	81.5	81.5	81.5	81.5	81.6	81.7	
GE 3500	32.0	63.1	67.4	74.4	78.6	79.9	81.6	82.6	82.8	83.2	83.2	83.2	83.2	83.2	83.4	83.5	
GE 3000	32.9	65.4	69.7	77.7	82.0	83.5	85.3	86.3	86.5	86.9	86.9	86.9	86.9	86.9	87.1	87.2	
GE 2500	33.6	66.9	71.4	79.5	83.9	85.3	87.2	88.4	88.6	89.0	89.0	89.0	89.0	89.0	89.1	89.2	
GE 2000	34.4	69.0	73.8	82.6	87.1	88.6	90.5	91.7	91.9	92.4	92.4	92.4	92.4	92.4	92.5	92.6	
GE 1800	34.4	69.2	74.0	82.9	87.5	89.0	91.2	92.4	92.6	93.0	93.0	93.0	93.0	93.0	93.1	93.3	
GE 1500	34.8	70.2	75.3	84.4	89.2	90.8	93.0	94.2	94.5	94.9	94.9	94.9	94.9	94.9	95.0	95.1	
GE 1200	34.8	70.4	75.5	84.9	89.9	91.5	93.9	95.2	95.4	95.9	95.9	95.9	95.9	95.9	96.0	96.1	
GE 1000	34.8	70.5	75.8	85.4	90.9	92.5	94.9	96.2	96.4	96.8	96.8	96.8	96.8	96.8	97.0	97.1	
GE 900	34.8	70.5	75.8	85.4	91.0	92.6	95.0	96.3	96.5	97.0	97.0	97.0	97.0	97.0	97.1	97.2	
GE 800	34.8	70.6	76.0	85.5	91.3	92.9	95.3	96.7	97.0	97.4	97.4	97.4	97.4	97.4	97.5	97.6	
GE 700	34.8	70.7	76.1	85.6	91.7	93.4	95.9	97.6	97.8	98.3	98.3	98.3	98.3	98.3	98.4	98.5	
GE 600	34.8	70.7	76.1	85.6	91.8	93.5	96.1	97.9	98.3	98.7	98.7	98.7	98.7	98.7	98.8	98.9	
GE 500	34.8	70.7	76.1	85.6	91.9	93.6	96.2	98.2	98.6	99.0	99.0	99.0	99.0	99.0	99.1	99.2	
GE 400	34.8	70.7	76.1	85.6	91.9	93.6	96.2	98.5	98.9	99.5	99.5	99.5	99.5	99.5	99.6	99.7	
GE 300	34.8	70.7	76.1	85.6	91.9	93.6	96.2	98.5	98.9	99.5	99.5	99.5	99.5	99.5	99.6	99.7	
GE 200	34.8	70.7	76.1	85.6	91.9	93.6	96.2	98.5	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.9	
GE 100	34.8	70.7	76.1	85.6	91.9	93.6	96.2	98.5	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.9	
GE 0	34.8	70.7	76.1	85.6	91.9	93.6	96.2	98.5	98.9	99.6	99.7	99.7	99.7	99.7	99.8	99.9	

TOTAL NUMBER OF OBSERVATIONS: 919

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	21.7	33.1	34.5	35.5	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	27.5	40.6	42.3	43.8	44.6	44.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 18000	27.5	40.6	42.3	43.8	44.6	44.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 16000	27.5	40.6	42.3	43.8	44.6	44.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 14000	27.5	40.6	42.3	43.8	44.6	44.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 12000	29.8	43.6	45.5	46.9	47.7	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 10000	34.3	49.2	51.2	52.7	53.6	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 9000	37.4	55.5	57.5	59.4	60.2	60.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 8000	37.6	56.1	58.2	60.0	60.9	61.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 7000	37.7	56.5	58.5	60.3	61.2	61.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 6000	40.1	59.6	61.6	63.5	64.3	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	45.0	69.4	71.7	74.1	75.0	75.2	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4500	44.9	72.3	74.6	77.0	77.9	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 4000	47.3	76.5	79.1	83.0	83.8	84.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3500	48.6	79.2	82.1	86.3	87.2	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3000	50.1	81.4	84.6	89.1	90.1	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2500	50.6	82.7	85.9	90.9	92.0	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2000	51.3	84.1	87.3	92.5	93.6	94.0	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	51.4	84.5	87.7	93.0	94.2	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1500	51.5	85.8	89.1	94.8	96.0	96.3	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1200	51.5	86.0	89.3	95.0	96.4	96.9	97.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	51.5	86.1	89.4	95.2	96.8	97.2	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 900	51.5	86.1	89.5	95.3	97.0	97.4	98.1	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	51.5	86.1	89.5	95.4	97.1	97.5	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	51.5	86.1	89.5	95.4	97.1	97.5	98.2	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	51.5	86.2	89.7	95.7	97.7	98.2	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	51.5	86.2	89.7	95.7	97.7	98.2	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	51.5	86.2	89.7	95.7	97.7	98.2	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	51.5	86.2	89.7	95.7	97.7	98.2	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	51.5	86.2	89.7	95.7	97.7	98.2	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	51.5	86.2	89.7	95.7	97.7	98.2	98.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

USAFETAC

AIR WEATHER SERVICE/MAC

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: AUG HOURS(UTC): 1500-1700

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 40	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	GE 0
NO CEIL	26.5	33.2	34.5	35.9	35.9	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	32.6	41.0	43.3	43.8	43.8	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 18000	32.6	41.0	42.3	43.8	43.8	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	32.6	41.0	42.3	43.8	43.8	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	32.6	41.5	42.8	44.2	44.2	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 12000	35.3	44.5	45.8	47.4	47.4	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 10000	39.7	51.0	53.7	54.3	54.3	54.6	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 9000	42.6	56.6	58.5	60.5	60.6	60.9	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 8000	43.2	57.4	59.4	61.3	61.6	61.9	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 7000	43.3	57.5	59.5	61.5	61.7	62.0	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 6000	46.6	62.2	64.3	66.3	66.6	66.9	67.2	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 5000	50.4	75.5	77.7	80.1	80.6	80.9	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4500	52.1	78.7	81.1	83.6	84.0	84.4	84.7	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 4000	53.5	81.3	83.9	86.9	87.4	87.7	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3500	54.0	83.0	85.7	88.6	89.1	89.5	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3000	55.3	85.0	87.8	91.4	92.1	92.4	92.7	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2500	55.7	86.0	88.9	92.7	93.5	93.8	94.1	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	55.9	86.8	89.8	93.9	94.9	95.3	95.7	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1800	55.9	87.0	90.1	94.4	95.3	95.8	96.1	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	56.0	87.8	91.2	95.6	96.7	97.2	97.5	97.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	56.0	88.1	91.4	96.2	97.2	97.7	98.1	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	56.0	88.2	91.5	96.3	97.3	98.0	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	56.0	88.2	91.5	96.4	97.4	98.2	98.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	56.0	88.2	91.5	96.4	97.4	98.2	98.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	56.0	88.2	91.5	96.5	97.5	98.4	98.7	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	56.0	88.2	91.5	96.6	97.9	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	56.0	88.2	91.5	96.6	97.9	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	56.0	88.2	91.5	96.6	97.9	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	56.0	88.2	91.5	96.6	97.9	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	56.0	88.2	91.5	96.6	97.9	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	56.0	88.2	91.5	96.6	97.9	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	56.0	88.2	91.5	96.6	97.9	98.8	99.1	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 321

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(IST): 1900-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	160	90	80	60	48	40	32	24	20	16	12	10	8	6	4	3	2
NO CEIL	1 24.8	34.2	35.1	36.3	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 20000	33.7	46.6	47.2	48.9	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 18000	33.7	46.6	47.2	48.9	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 16000	33.7	46.6	47.2	48.9	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	33.7	46.6	47.3	49.0	49.3	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 12000	35.6	49.3	50.5	52.1	52.6	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 10000	38.2	53.9	55.4	57.3	57.8	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000	41.2	59.1	60.9	63.5	64.2	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 8000	41.8	63.7	62.5	65.3	66.0	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	41.8	61.0	62.9	65.6	66.3	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 6000	43.4	63.5	65.4	68.6	69.4	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 5000	45.6	76.3	78.2	81.9	82.8	83.2	84.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4500	46.1	77.9	79.8	83.6	84.6	85.0	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4000	47.6	80.9	82.6	87.3	88.4	88.9	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3500	48.0	82.6	84.7	89.4	90.7	91.2	91.7	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	48.5	84.3	86.4	92.0	93.5	94.1	94.7	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	48.9	84.8	87.1	93.1	94.6	95.2	95.8	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	49.2	85.2	87.5	93.9	95.4	96.1	96.6	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	49.2	85.2	87.5	93.9	95.4	96.1	96.6	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1600	49.2	85.3	87.6	94.4	95.9	96.7	97.6	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1400	49.2	85.3	87.7	94.6	96.1	97.1	97.9	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	49.2	85.5	87.8	94.8	96.3	97.3	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	49.2	85.5	87.8	95.0	96.6	97.6	98.5	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	49.2	85.5	87.8	95.1	96.7	97.8	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 921

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG HOURS(EST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	23.6	41.2	41.8	43.7	44.6	44.6	44.8	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 2000	26.8	45.9	46.9	48.9	50.0	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 1800	26.8	45.9	46.9	48.9	50.0	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 1600	26.8	45.9	46.9	48.9	50.0	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 1400	26.8	45.9	46.9	48.9	50.0	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 1200	26.8	45.9	46.9	48.9	50.0	50.2	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 1000	31.6	53.7	54.8	56.8	58.0	58.2	58.2	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 900	34.3	60.1	61.2	63.6	65.0	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 800	34.7	61.9	63.2	66.1	67.5	67.8	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 700	34.7	62.0	63.3	66.2	67.6	67.9	68.1	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 600	35.4	63.2	64.5	67.4	68.9	69.2	69.4	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 500	37.6	78.6	79.9	83.0	84.6	84.9	85.1	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 450	38.0	79.9	81.3	84.6	86.2	86.6	86.8	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 400	38.6	82.5	84.2	87.5	89.2	89.5	89.7	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 350	38.7	84.1	85.8	89.2	90.8	91.1	91.3	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 300	39.0	85.4	87.3	91.3	93.0	93.4	93.6	93.7	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
GE 250	39.6	86.2	88.3	92.5	94.3	94.7	94.9	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 200	39.7	87.1	89.2	93.7	95.4	95.9	96.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 180	39.7	87.1	89.4	93.9	95.7	96.1	96.3	96.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 160	39.7	87.2	89.6	94.6	96.3	96.7	97.1	97.3	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7
GE 140	39.7	87.2	89.7	94.7	96.4	96.9	97.2	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
GE 120	39.7	87.3	89.8	94.9	96.7	97.2	97.5	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
GE 100	39.7	87.4	89.9	95.0	96.9	97.3	97.6	97.9	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 90	39.7	87.4	89.9	95.2	97.4	97.8	98.2	98.5	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 80	39.7	87.4	89.9	95.2	97.6	98.0	98.4	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1
GE 70	39.7	87.4	89.9	95.2	97.7	98.3	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
GE 60	39.7	87.4	89.9	95.2	97.7	98.3	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
GE 50	39.7	87.4	89.9	95.2	97.7	98.3	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
GE 40	39.7	87.4	89.9	95.2	97.8	98.5	99.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 30	39.7	87.4	89.9	95.2	97.8	98.5	99.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 20	39.7	87.4	89.9	95.2	97.8	98.5	99.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 10	39.7	87.4	89.9	95.2	97.8	98.5	99.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	39.7	87.4	89.9	95.2	97.8	98.5	99.0	99.5	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 222

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0	
NO CEIL	19.0	32.3	34.0	36.9	38.3	38.9	39.2	40.0	40.3	40.5	40.6	40.6	40.7	40.8	40.8	41.0	
GE 20000	23.0	38.1	40.1	43.5	45.1	45.6	46.2	47.2	47.4	47.7	47.8	47.8	47.9	47.9	48.0	48.2	
GE 18000	23.8	38.1	40.1	43.5	45.1	45.8	46.3	47.2	47.4	47.7	47.8	47.8	47.9	48.0	48.0	48.3	
GE 16000	23.8	38.2	40.2	43.6	45.2	45.9	46.4	47.3	47.5	47.8	47.9	47.9	48.0	48.1	48.1	48.4	
GE 14000	25.4	40.5	42.5	45.9	47.6	48.3	48.8	49.7	50.0	50.3	50.3	50.4	50.5	50.5	50.6	50.8	
GE 10000	29.2	45.7	47.9	51.5	53.3	54.0	54.6	55.6	55.9	56.1	56.2	56.2	56.3	56.4	56.5	56.7	
GE 9000	32.4	52.2	54.7	58.6	60.7	61.5	62.1	63.1	63.4	63.7	63.8	63.8	63.9	64.0	64.1	64.3	
GE 8000	32.8	53.4	55.9	60.2	62.3	63.1	63.8	64.9	65.2	65.5	65.5	65.6	65.7	65.8	65.8	66.1	
GE 7000	32.9	53.6	56.1	60.5	62.5	63.4	64.0	65.1	65.4	65.7	65.8	65.8	65.9	66.0	66.1	66.3	
GE 6000	34.2	55.7	58.3	62.8	64.8	65.7	66.4	67.5	67.8	68.1	68.2	68.2	68.3	68.4	68.5	68.7	
GE 5000	36.5	67.1	69.8	74.6	76.9	77.8	78.5	79.7	80.0	80.3	80.4	80.4	80.5	80.6	80.6	80.9	
GE 4500	37.4	69.1	71.9	76.9	79.2	80.2	80.9	82.1	82.4	82.7	82.8	82.8	82.9	83.0	83.1	83.3	
GE 4000	38.7	72.1	75.2	80.7	83.1	84.1	84.9	86.1	86.5	86.8	86.8	86.9	87.0	87.1	87.1	87.4	
GE 3500	39.1	73.5	76.7	82.4	84.9	85.9	86.7	87.9	88.3	88.6	88.7	88.7	88.8	88.9	88.9	89.2	
GE 3000	39.8	75.0	78.4	84.5	87.2	88.2	89.0	90.4	90.7	91.0	91.1	91.2	91.3	91.4	91.4	91.7	
GE 2500	40.2	75.9	79.3	85.7	88.4	89.5	90.3	91.8	92.2	92.5	92.6	92.6	92.7	92.8	92.9	93.1	
GE 2000	40.5	76.9	80.4	87.1	89.9	91.2	92.0	93.5	93.9	94.2	94.3	94.3	94.4	94.5	94.6	94.8	
GE 1800	40.5	77.1	80.7	87.5	90.4	91.6	92.5	94.0	94.4	94.7	94.8	94.9	95.0	95.1	95.1	95.4	
GE 1500	40.6	77.6	81.3	88.5	91.4	92.7	93.7	95.3	95.7	96.0	96.2	96.2	96.3	96.4	96.4	96.7	
GE 1200	40.6	77.7	81.5	88.7	91.8	93.2	94.2	96.0	96.4	96.7	96.8	96.9	97.0	97.1	97.1	97.4	
GE 1000	40.6	77.8	81.6	89.0	92.1	93.5	94.6	96.5	96.8	97.2	97.3	97.3	97.4	97.5	97.6	97.8	
GE 900	40.6	77.8	81.7	89.0	92.3	93.7	94.8	96.7	97.1	97.4	97.5	97.5	97.6	97.7	97.8	98.0	
GE 800	40.6	77.9	81.7	89.1	92.4	93.8	95.0	96.9	97.3	97.6	97.7	97.8	97.8	97.9	98.0	98.2	
GE 700	40.6	77.9	81.7	89.1	92.6	94.0	95.1	97.1	97.5	97.9	98.0	98.0	98.1	98.2	98.3	98.5	
GE 600	40.6	77.9	81.8	89.3	92.8	94.3	95.5	97.5	97.9	98.3	98.4	98.4	98.5	98.6	98.7	98.9	
GE 500	40.6	77.9	81.8	89.3	92.9	94.5	95.7	97.7	98.2	98.6	98.7	98.7	98.8	98.9	99.0	99.2	
GE 400	40.6	77.9	81.8	89.3	92.9	94.5	95.8	97.9	98.4	98.8	98.9	99.0	99.1	99.2	99.3	99.4	
GE 300	40.6	77.9	81.8	89.3	92.9	94.5	95.8	98.0	98.6	99.0	99.1	99.2	99.3	99.4	99.5	99.7	
GE 200	40.6	77.9	81.8	89.3	92.9	94.5	95.8	98.1	98.6	99.1	99.2	99.3	99.4	99.5	99.6	99.9	
GE 100	40.6	77.9	81.8	89.3	92.9	94.5	95.8	98.1	98.6	99.1	99.3	99.3	99.4	99.5	99.6	100.0	
GE 0	40.6	77.9	81.8	89.3	92.9	94.5	95.8	98.1	98.6	99.1	99.3	99.3	99.4	99.5	99.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7367

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(IST): 0000-0200

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	16.5	35.3	37.4	42.9	43.9	45.4	45.6	46.8	47.3	47.4	47.6	47.7	47.8	48.2	48.2	48.6
GE 20000	18.2	38.4	40.6	46.6	48.4	50.1	50.4	51.6	52.1	52.2	52.4	52.5	52.6	53.0	53.0	53.4
GE 18000	19.2	38.4	40.6	46.6	48.4	50.1	50.4	51.6	52.1	52.2	52.4	52.5	52.6	53.0	53.0	53.4
GE 16000	18.2	38.4	40.6	46.6	48.4	50.1	50.4	51.6	52.1	52.2	52.4	52.5	52.6	53.0	53.0	53.4
GE 14000	18.2	38.4	40.6	46.6	48.4	50.1	50.4	51.6	52.1	52.2	52.4	52.5	52.6	53.0	53.0	53.4
GE 12000	18.5	39.1	41.2	47.3	49.2	50.8	51.2	52.4	52.8	53.0	53.2	53.3	53.4	53.7	53.7	54.2
GE 10000	20.4	42.6	45.0	51.7	53.6	55.4	55.9	57.1	57.5	57.7	57.9	58.0	58.1	58.4	58.4	58.9
GE 9000	26.3	51.5	54.3	61.2	63.4	65.1	65.6	66.9	67.4	67.5	67.7	67.8	67.9	68.3	68.4	68.8
GE 8000	27.0	53.1	55.9	63.0	65.1	66.9	67.4	68.8	69.3	69.4	69.6	69.7	69.8	70.2	70.3	70.7
GE 7000	27.4	53.6	56.4	63.6	65.7	67.5	67.9	69.4	69.8	69.9	70.2	70.3	70.4	70.7	70.8	71.3
GE 6000	28.2	55.1	57.9	65.0	67.2	68.9	69.4	70.8	71.3	71.4	71.6	71.7	71.8	72.2	72.3	72.7
GE 5000	29.3	66.0	68.8	76.1	78.2	80.0	80.4	81.9	82.3	82.5	82.7	82.8	82.9	83.2	83.4	83.8
GE 4500	29.8	68.3	71.1	78.5	80.7	82.5	82.9	84.4	84.8	84.9	85.1	85.3	85.5	85.8	85.9	86.4
GE 4000	30.9	73.0	76.5	84.1	86.3	88.0	88.5	90.1	90.5	90.8	91.1	91.2	91.4	91.7	91.8	92.3
GE 3500	31.3	73.7	77.5	85.1	87.3	89.1	89.5	91.1	91.5	91.8	92.1	92.2	92.4	92.7	92.8	93.3
GE 3000	31.7	74.9	78.7	86.5	88.6	90.4	90.8	92.4	92.8	93.2	93.4	93.5	93.7	94.1	94.2	94.6
GE 2500	31.8	75.1	79.0	87.0	89.5	91.3	91.7	93.4	93.9	94.3	94.5	94.6	94.9	95.2	95.3	95.8
GE 2000	32.0	75.2	79.3	87.5	89.9	91.8	92.3	94.0	94.4	94.9	95.1	95.2	95.4	95.8	95.9	96.3
GE 1800	32.0	75.3	79.4	87.9	90.4	92.3	92.7	94.4	94.9	95.3	95.5	95.6	95.9	96.2	96.3	96.8
GE 1600	32.0	75.3	79.4	88.2	90.7	92.6	93.1	94.9	95.3	95.8	96.0	96.1	96.3	96.6	96.8	97.2
GE 1400	32.0	75.3	79.4	88.3	90.8	92.7	93.2	95.0	95.4	95.9	96.1	96.2	96.4	96.8	96.9	97.3
GE 1200	32.0	75.6	79.9	89.2	91.7	93.6	94.2	96.0	96.4	96.9	97.1	97.2	97.4	97.8	97.9	98.3
GE 1000	32.0	75.6	79.9	89.2	91.7	93.6	94.3	96.1	96.5	97.0	97.2	97.3	97.5	97.9	98.0	98.4
GE 900	32.0	75.6	79.9	89.3	91.8	93.7	94.4	96.2	96.6	97.1	97.3	97.4	97.7	98.0	98.1	98.5
GE 800	32.0	75.6	79.9	89.3	91.8	93.7	94.4	96.2	96.6	97.1	97.3	97.4	97.7	98.0	98.1	98.5
GE 700	32.0	75.6	79.9	89.3	91.8	93.7	94.4	96.2	96.6	97.1	97.3	97.4	97.7	98.0	98.1	98.5
GE 600	32.0	75.6	79.9	89.3	92.0	93.9	94.5	96.3	96.8	97.2	97.4	97.5	97.8	98.1	98.2	98.7
GE 500	32.0	75.6	79.9	89.3	92.0	94.0	94.6	96.5	97.0	97.4	97.7	97.8	98.0	98.3	98.4	98.9
GE 400	32.0	75.6	79.9	89.3	92.0	94.1	94.7	96.8	97.2	97.7	97.9	98.0	98.2	98.5	98.7	99.1
GE 300	32.0	75.6	79.9	89.3	92.0	94.2	94.9	97.0	97.5	98.3	98.5	98.7	98.9	99.2	99.3	99.8
GE 200	32.0	75.6	79.9	89.3	92.0	94.2	94.9	97.0	97.9	98.5	98.8	98.9	99.1	99.4	99.6	100.0
GE 100	32.0	75.6	79.9	89.3	92.0	94.2	94.9	97.0	97.9	98.5	98.8	98.9	99.1	99.4	99.6	100.0
GE 0	32.0	75.6	79.9	89.3	92.0	94.2	94.9	97.0	97.9	98.5	98.8	98.9	99.1	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 0300-0500

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	12.2	27.9	30.7	35.9	37.8	38.8	39.4	41.6	42.5	43.5	43.9	44.4	45.6	46.5	46.9	46.5
GE 20000	12.9	30.2	33.0	38.6	40.8	41.9	42.6	44.9	45.8	46.8	47.4	47.8	49.2	50.1	50.5	52.1
GE 18000	12.9	30.2	33.0	38.6	40.8	41.9	42.6	44.9	45.8	46.8	47.4	47.8	49.2	50.1	50.5	52.1
GE 16000	12.9	30.2	33.0	38.6	40.8	41.9	42.6	44.9	45.8	46.8	47.4	47.8	49.2	50.1	50.5	52.1
GE 14000	12.9	30.2	33.0	38.6	40.8	41.9	42.6	44.9	45.8	46.8	47.4	47.8	49.2	50.1	50.5	52.1
GE 12000	13.2	31.2	34.0	39.8	42.1	43.5	44.1	46.5	47.4	48.4	48.9	49.4	50.7	51.6	52.1	53.6
GE 10000	14.8	33.8	36.7	43.0	45.6	46.9	47.8	50.2	51.1	52.1	52.6	53.1	54.4	55.3	55.7	57.3
GE 9000	19.7	41.4	44.4	50.8	53.5	55.0	56.0	58.6	59.5	60.5	61.1	61.5	62.9	63.8	64.2	65.8
GE 8000	20.4	43.4	46.4	53.0	55.6	57.1	58.1	60.8	61.6	62.7	63.3	63.8	65.1	66.0	66.4	68.0
GE 7000	20.4	43.6	46.6	53.2	55.9	57.3	58.3	61.0	61.9	62.9	63.5	64.0	65.3	66.2	66.7	68.2
GE 6000	21.0	45.4	48.6	55.2	58.1	59.5	60.5	63.2	64.1	65.1	65.8	66.2	67.6	68.5	68.9	70.5
GE 5000	22.5	53.1	56.4	63.2	66.1	67.6	68.6	71.2	72.1	73.1	73.8	74.2	75.6	76.5	76.9	78.5
GE 4500	23.3	54.6	58.1	65.2	68.1	69.6	70.6	73.2	74.1	75.1	75.8	76.3	77.6	78.5	78.9	80.5
GE 4000	24.2	57.9	62.1	69.5	72.5	73.9	74.9	77.6	78.5	79.5	80.3	80.7	82.1	82.9	83.4	84.9
GE 3500	24.6	59.3	63.7	71.3	74.4	75.9	76.9	79.8	80.7	81.7	82.5	82.9	84.4	85.3	85.7	87.3
GE 3000	25.0	60.2	64.8	72.6	75.6	77.1	78.1	81.0	81.9	83.1	83.8	84.3	85.7	86.6	87.1	88.6
GE 2500	25.1	61.1	65.8	73.9	77.1	78.7	79.7	82.6	83.5	84.6	85.4	85.8	87.3	88.2	88.6	90.2
GE 2000	25.3	61.6	66.6	74.9	78.4	79.9	81.0	83.9	84.9	86.1	86.8	87.3	88.7	89.6	90.1	91.6
GE 1800	25.4	62.0	67.1	75.7	79.2	80.8	81.9	85.1	86.1	87.2	88.0	88.4	89.9	90.7	91.2	92.8
GE 1500	25.5	62.2	67.4	76.3	79.7	81.5	82.6	85.7	86.7	87.8	88.6	89.1	90.5	91.4	91.9	93.4
GE 1200	25.5	62.3	67.6	76.5	80.0	81.8	83.1	86.3	87.3	88.4	89.2	89.6	91.1	92.0	92.4	94.0
GE 1000	25.5	62.7	67.9	76.8	80.6	82.4	83.6	87.0	88.0	89.1	89.9	90.3	91.8	92.6	93.1	94.6
GE 900	25.5	62.9	68.1	77.1	80.9	82.7	83.9	87.3	88.3	89.4	90.2	90.6	92.1	93.0	93.4	95.0
GE 800	25.5	62.9	68.1	77.1	80.9	82.6	84.1	87.4	88.4	89.5	90.3	90.7	92.2	93.1	93.5	95.1
GE 700	25.5	62.9	68.1	77.4	81.4	83.3	84.9	88.4	89.4	90.5	91.3	91.8	93.2	94.1	94.5	96.1
GE 600	25.5	62.9	68.1	77.4	81.5	83.4	85.1	88.6	89.6	90.7	91.5	92.0	93.4	94.3	94.8	96.3
GE 500	25.5	62.9	68.1	77.4	81.6	83.6	85.6	89.2	90.2	91.3	92.1	92.5	94.0	94.9	95.3	96.9
GE 400	25.5	62.9	68.1	77.4	81.6	83.7	85.8	89.4	90.4	91.5	92.3	92.8	94.2	95.1	95.5	97.1
GE 300	25.5	62.9	68.1	77.4	81.6	83.6	86.0	89.6	90.7	92.1	92.9	93.3	94.8	95.7	96.1	97.7
GE 200	25.5	62.9	68.1	77.4	81.6	83.8	86.0	89.6	90.7	92.2	93.1	93.5	95.0	95.9	96.4	98.2
GE 100	25.5	62.9	68.1	77.4	81.6	83.6	86.0	89.6	90.7	92.2	93.2	93.6	95.1	96.1	96.8	99.8
GE 0	25.5	62.9	68.1	77.4	81.6	83.6	86.0	89.6	90.7	92.2	93.2	93.6	95.1	96.1	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(UT): 0600-0800

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL	7.9	15.4	17.4	21.0	22.9	24.9	26.1	30.5	32.0	35.4	36.7	37.3	39.1	40.4	40.6	45.1	
GE 20000	10.2	19.1	21.8	25.8	27.9	29.9	31.1	36.3	37.9	41.3	42.7	43.3	45.2	46.7	46.9	51.3	
GE 18000	10.2	19.1	21.8	25.8	27.9	29.9	31.1	36.3	37.9	41.3	42.7	43.3	45.2	46.7	46.9	51.3	
GE 16000	10.2	19.1	21.8	25.8	27.9	29.9	31.1	36.3	37.9	41.3	42.7	43.3	45.2	46.7	46.9	51.3	
GE 14000	10.2	19.1	21.8	25.8	27.9	29.9	31.1	36.3	37.9	41.3	42.7	43.3	45.2	46.7	46.9	51.3	
GE 12000	11.4	21.5	24.4	28.6	30.8	32.8	34.2	39.5	41.2	44.5	46.1	46.7	48.5	50.0	50.2	54.7	
GE 10000	13.7	24.6	27.5	32.4	34.7	36.7	38.3	44.0	45.8	49.1	50.7	51.2	53.1	54.6	54.8	59.3	
GE 9000	19.4	32.1	35.2	40.2	42.5	44.5	46.2	52.1	54.0	57.6	59.2	59.7	61.6	63.1	63.3	67.7	
GE 8000	20.3	33.7	37.1	42.1	44.5	46.5	48.3	54.6	56.5	60.0	61.6	62.3	64.3	65.7	66.0	70.4	
GE 7000	20.4	33.9	37.3	42.3	44.8	46.8	48.5	54.8	56.7	60.3	61.8	62.5	64.5	66.0	66.2	70.6	
GE 6000	20.9	34.8	38.3	43.6	46.1	48.1	49.9	56.1	58.0	61.6	63.2	63.8	65.8	67.3	67.5	72.0	
GE 5000	22.1	39.2	42.9	48.4	51.1	53.2	55.0	61.6	63.6	67.2	68.8	69.4	71.4	72.9	73.1	77.6	
GE 4500	23.0	40.8	44.8	50.4	53.2	55.4	57.1	63.7	65.7	69.3	70.9	71.5	73.5	75.0	75.2	79.7	
GE 4000	23.7	43.1	47.1	53.6	56.5	58.7	60.5	67.2	69.3	72.9	74.6	75.2	77.2	78.7	78.9	83.4	
GE 3500	24.0	44.4	48.4	55.6	58.5	60.7	62.5	69.2	71.4	75.0	76.7	77.3	79.4	80.8	81.0	85.5	
GE 3000	24.8	45.8	49.8	57.3	60.3	62.5	64.3	71.3	73.5	77.1	78.8	79.5	81.5	82.9	83.1	87.6	
GE 2500	24.8	45.9	49.9	57.6	60.7	62.9	65.1	72.2	74.6	78.1	79.8	80.5	82.5	83.9	84.2	88.6	
GE 2000	24.8	46.1	50.1	57.8	60.9	63.2	65.5	73.0	75.3	78.9	80.7	81.4	83.4	84.8	85.0	89.5	
GE 1800	24.9	46.3	50.4	58.1	61.4	63.6	66.0	73.4	75.8	79.4	81.1	81.8	83.8	85.3	85.5	90.0	
GE 1500	24.9	46.3	50.6	58.4	61.8	64.2	66.6	74.3	76.7	80.2	82.0	82.7	84.7	86.2	86.4	90.8	
GE 1200	25.0	46.5	50.8	58.8	62.5	64.8	67.3	75.0	77.6	81.1	82.9	83.6	85.6	87.1	87.3	91.7	
GE 1000	25.0	46.9	51.1	59.3	63.3	65.7	68.3	76.1	78.8	82.4	84.2	84.8	86.8	88.3	88.5	93.0	
GE 900	25.1	47.1	51.3	59.6	63.6	66.1	68.9	76.7	79.4	82.9	84.7	85.4	87.4	88.9	89.1	93.6	
GE 800	25.1	47.2	51.5	60.0	64.1	66.6	69.5	77.7	80.5	84.2	85.9	86.6	88.6	90.1	90.3	94.8	
GE 700	25.1	47.2	51.5	60.0	64.2	66.9	69.8	78.1	80.9	84.6	86.4	87.1	89.1	90.5	90.7	95.2	
GE 600	25.1	47.2	51.5	60.0	64.2	67.0	70.0	78.3	81.3	84.9	86.7	87.4	89.4	90.8	91.1	95.5	
GE 500	25.1	47.2	51.5	60.0	64.2	67.1	70.1	78.6	81.6	85.3	87.1	87.7	89.7	91.2	91.4	95.9	
GE 400	25.1	47.2	51.5	60.0	64.3	67.2	70.3	78.9	81.9	85.8	87.6	88.3	90.3	91.7	92.0	96.4	
GE 300	25.1	47.2	51.5	60.0	64.4	67.3	70.5	79.2	82.4	86.4	88.2	88.8	90.8	92.3	92.5	97.0	
GE 200	25.1	47.2	51.5	60.0	64.4	67.3	70.5	79.4	82.5	86.6	88.4	89.1	91.1	92.6	92.9	97.7	
GE 100	25.1	47.2	51.5	60.0	64.4	67.3	70.5	79.4	82.5	86.6	88.4	89.1	91.1	92.9	93.1	97.7	
GE 0	25.1	47.2	51.5	60.0	64.4	67.3	70.5	79.4	82.5	86.6	88.4	89.1	91.1	92.9	93.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 996

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 10738 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	61	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	1	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4
NO CEIL	11.6	23.7	27.6	31.6	36.2	38.7	40.0	42.7	43.8	44.3	44.4	44.6	44.6	45.4	45.8	46.3
GE 20000	15.0	30.1	34.4	38.4	43.3	45.9	47.2	50.3	51.3	51.9	52.0	52.2	52.2	53.0	53.3	53.9
GE 18000	15.0	30.1	34.4	38.4	43.3	45.9	47.2	50.3	51.3	51.9	52.0	52.2	52.2	53.0	53.3	53.9
GE 16000	15.0	30.1	34.4	38.4	43.3	45.9	47.2	50.3	51.3	51.9	52.0	52.2	52.2	53.0	53.3	53.9
GE 14000	15.0	30.1	34.4	38.4	43.3	45.9	47.2	50.3	51.3	51.9	52.0	52.2	52.2	53.0	53.3	53.9
GE 12000	17.0	32.5	36.6	40.8	46.0	48.7	50.0	53.3	54.4	54.9	55.0	55.2	55.2	56.0	56.4	56.9
GE 10000	18.4	35.0	39.8	44.1	49.4	52.2	53.8	57.1	58.1	58.7	58.8	59.0	59.0	59.8	60.2	60.7
GE 9000	22.4	40.7	45.5	50.0	55.6	58.4	59.9	63.3	64.4	65.0	65.1	65.3	65.3	66.1	66.4	67.0
GE 8000	23.0	42.5	47.3	52.1	57.7	60.5	62.2	65.6	66.7	67.3	67.4	67.6	67.6	68.4	68.8	69.3
GE 7000	23.0	42.6	47.4	52.2	57.8	60.6	62.3	65.7	66.9	67.4	67.5	67.7	67.7	68.5	68.9	69.4
GE 6000	23.8	44.0	49.1	54.1	59.8	62.7	64.4	68.0	69.1	69.6	69.8	70.0	70.0	70.8	71.1	71.7
GE 5000	25.2	49.8	55.2	60.5	66.2	69.2	70.9	74.4	75.6	76.1	76.2	76.5	76.5	77.2	77.6	78.1
GE 4500	26.0	51.3	57.0	62.3	68.0	71.0	72.7	76.2	77.3	77.9	78.0	78.2	78.2	79.0	79.4	79.9
GE 4000	27.7	54.6	60.4	66.2	72.0	75.0	76.7	80.2	81.4	81.9	82.0	82.3	82.3	83.0	83.4	83.9
GE 3500	28.2	55.7	61.5	67.5	73.4	76.5	78.2	81.8	82.9	83.5	83.6	83.8	83.8	84.6	84.9	85.5
GE 3000	28.7	56.7	62.7	69.1	75.0	78.1	79.9	83.5	84.6	85.2	85.7	85.5	85.5	86.3	86.6	87.2
GE 2500	29.6	58.3	64.4	71.1	77.3	80.5	82.3	85.8	86.9	87.5	87.6	87.8	87.8	88.6	89.0	89.5
GE 2000	29.9	59.2	65.3	72.2	78.7	81.9	84.2	88.1	89.3	89.8	90.0	90.2	90.2	91.0	91.5	91.9
GE 1800	30.0	59.5	65.6	72.5	79.0	82.3	84.5	88.4	89.6	90.2	90.3	90.5	90.5	91.3	91.6	92.2
GE 1500	30.0	59.7	66.1	73.1	79.7	83.1	85.4	89.4	90.6	91.2	91.3	91.5	91.5	92.3	92.6	93.2
GE 1200	30.1	60.2	66.5	73.8	80.4	83.8	86.0	90.1	91.3	91.9	92.0	92.2	92.2	93.0	93.3	93.9
GE 1000	30.1	60.3	66.6	74.0	80.9	84.6	86.8	91.0	92.2	92.7	92.9	93.1	93.1	93.9	94.2	94.8
GE 900	30.1	60.3	66.6	74.1	81.0	84.7	86.9	91.1	92.3	92.9	93.0	93.2	93.2	94.0	94.3	94.9
GE 800	30.1	60.4	66.7	74.2	81.1	84.9	87.4	91.6	92.9	93.4	93.5	93.8	93.8	94.5	94.9	95.4
GE 700	30.1	60.4	66.7	74.2	81.5	85.4	87.9	92.6	94.0	94.5	94.6	94.9	94.9	95.6	96.0	96.5
GE 600	30.1	60.4	66.7	74.3	81.6	85.6	88.3	93.1	94.4	95.1	95.2	95.4	95.4	96.2	96.5	97.1
GE 500	30.1	60.4	66.7	74.4	81.8	85.8	88.5	93.8	95.2	96.0	96.1	96.3	96.3	97.1	97.4	98.0
GE 400	30.1	60.4	66.7	74.4	81.9	85.9	88.6	94.0	95.5	96.5	96.7	96.9	96.9	97.7	98.0	98.5
GE 300	30.1	60.4	66.7	74.4	81.9	85.9	88.6	94.0	95.6	96.7	97.0	97.2	97.2	98.0	98.3	99.0
GE 200	30.1	60.4	66.7	74.4	81.9	85.9	88.6	94.0	95.6	96.9	97.2	97.4	97.4	98.5	98.9	99.7
GE 100	30.1	60.4	66.7	74.4	81.9	85.9	88.6	94.0	95.6	96.9	97.2	97.4	97.4	98.7	99.0	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: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(LOCAL): 1200-1400

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	19.0	31.8	33.4	36.7	37.8	36.0	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 2000	25.6	41.6	43.5	47.7	48.7	48.9	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 1800	25.6	41.6	43.5	47.7	48.7	48.9	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 1600	25.6	41.6	43.5	47.7	48.7	48.9	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 1400	25.6	41.6	43.5	47.7	48.7	48.9	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 1200	27.7	45.1	47.1	51.2	52.3	52.6	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 1000	29.7	48.7	51.0	56.0	57.5	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 900	32.9	53.6	56.2	61.5	62.9	63.1	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 800	33.4	54.9	57.3	62.7	64.1	64.4	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 700	33.4	55.0	57.5	62.8	64.3	64.5	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 600	34.7	57.1	59.6	64.9	66.5	66.7	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 500	38.2	66.8	69.5	74.9	76.6	76.8	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 450	39.1	68.5	71.2	76.7	78.5	78.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 400	41.3	72.6	75.8	81.5	83.4	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 350	42.2	75.2	78.2	84.2	86.1	86.4	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 300	43.7	77.5	80.6	86.7	88.6	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 250	44.5	79.1	82.3	88.6	90.6	91.0	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 200	44.9	79.8	83.2	90.1	92.2	92.7	93.0	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 180	45.0	80.2	83.5	90.8	93.0	93.4	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 150	45.1	81.0	84.4	91.9	94.3	94.8	95.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 120	45.1	81.1	84.6	92.3	95.1	95.6	96.2	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 100	45.1	81.1	84.6	92.5	95.7	96.3	96.9	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 90	45.1	81.1	84.6	92.7	95.9	96.5	97.1	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 80	45.1	81.1	84.6	92.7	95.9	96.5	97.2	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 70	45.1	81.1	84.6	92.8	96.0	96.7	97.1	97.8	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 60	45.1	81.1	84.6	93.0	96.3	97.7	98.3	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 50	45.1	81.1	84.6	93.0	96.3	97.7	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 40	45.1	81.1	84.6	93.0	96.3	97.7	98.4	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 30	45.1	81.1	84.6	93.0	96.3	97.7	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 20	45.1	81.1	84.6	93.0	96.3	97.7	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 10	45.1	81.1	84.6	93.0	96.3	97.7	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	45.1	81.1	84.6	93.0	96.3	97.7	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 998

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 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	22.3	30.3	31.6	33.5	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 20000	32.4	42.1	43.9	46.3	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 18000	32.4	42.1	43.9	46.3	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 16000	32.4	42.1	43.9	46.3	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 14000	32.4	42.1	43.9	46.3	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 12000	34.9	45.9	47.7	50.1	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 10000	37.9	49.8	51.7	55.1	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 9000	41.7	54.4	56.4	60.3	61.1	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 8000	42.0	55.1	57.1	61.0	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 7000	42.0	55.3	57.3	61.2	62.0	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 6000	44.6	59.8	61.8	65.7	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 5000	48.8	74.6	76.8	80.9	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4500	49.4	75.8	78.2	82.6	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 4000	51.2	79.2	81.9	86.5	87.6	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3500	51.6	80.6	83.5	88.2	89.4	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 3000	52.5	82.6	85.5	90.4	92.2	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2500	52.7	83.1	86.3	91.5	93.5	94.2	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	53.1	83.8	86.9	92.5	94.5	95.3	95.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	53.1	84.0	87.2	92.7	94.7	95.5	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1600	53.1	84.2	87.5	93.3	95.4	96.3	96.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1400	53.1	84.2	87.5	93.3	95.8	96.8	97.3	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	53.1	84.2	87.5	93.3	95.9	96.9	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	53.1	84.2	87.5	93.3	95.9	96.9	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 100	53.1	84.2	87.5	93.3	96.1	97.1	97.9	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: SEP HOURS(IST): 1800-2000

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	40	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL	19.2	32.1	33.0	35.1	36.2	36.3	36.3	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 20000	25.3	42.3	43.9	46.3	47.8	48.0	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 18000	25.3	42.3	43.9	46.3	47.8	48.0	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 16000	25.3	42.3	43.9	46.3	47.8	48.0	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 14000	25.3	42.4	44.1	46.4	47.9	48.1	48.3	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 12000	27.8	45.6	47.4	49.8	51.2	51.5	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 10000	30.6	49.4	51.3	54.3	56.1	56.4	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 9000	35.2	56.6	58.5	61.9	64.1	64.5	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 8000	35.8	57.8	59.9	63.3	65.7	66.0	66.3	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	36.1	58.2	60.2	63.7	66.0	66.4	66.7	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 6000	37.4	60.8	62.6	66.4	68.7	69.1	69.3	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	40.2	75.0	77.0	80.7	83.1	83.4	83.7	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 4500	41.0	75.8	77.8	81.7	84.2	84.5	85.0	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4000	42.6	78.8	81.1	85.5	88.6	89.0	89.5	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 3500	43.0	79.6	82.0	87.0	90.1	90.7	91.1	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	43.6	81.2	83.6	89.0	92.4	93.0	93.5	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2500	43.8	81.8	84.5	90.0	93.5	94.3	94.7	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	43.8	82.0	84.6	90.2	93.8	95.0	95.4	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	43.8	82.0	84.6	90.4	94.1	95.2	95.7	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	44.1	82.4	85.1	90.9	94.8	96.0	96.5	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	44.1	82.4	85.1	91.1	95.2	96.4	97.0	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	44.1	82.4	85.2	91.3	95.5	96.7	97.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	44.1	82.4	85.2	91.3	95.5	96.7	97.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	44.1	82.4	85.2	91.3	95.5	96.7	97.3	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	44.1	82.4	85.2	91.3	95.5	96.7	97.3	98.4	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	44.1	82.4	85.2	91.4	95.7	97.0	97.5	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	44.1	82.4	85.2	91.4	95.7	97.0	97.5	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	44.1	82.4	85.2	91.4	95.7	97.0	97.5	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	44.1	82.4	85.2	91.4	95.7	97.0	97.5	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	44.1	82.4	85.2	91.4	95.7	97.0	97.5	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	44.1	82.4	85.2	91.4	95.7	97.0	97.5	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	44.1	82.4	85.2	91.4	95.7	97.0	97.5	98.9	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(UT): 2100-2300

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	6	4	0
NO CEIL	21.0	38.8	40.6	44.1	45.0	45.2	45.2	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 2000	22.8	42.9	45.3	49.4	50.8	51.0	51.0	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 1800	22.8	42.9	45.3	49.4	50.8	51.0	51.0	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 1600	22.8	42.9	45.3	49.4	50.8	51.0	51.0	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 1400	22.8	42.9	45.3	49.4	50.8	51.0	51.0	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 1200	23.7	44.5	47.1	51.3	52.7	52.9	52.9	53.0	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 1000	25.9	47.7	50.2	54.6	55.9	56.1	56.1	56.2	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 900	30.8	56.3	59.2	63.7	65.0	65.3	65.3	65.4	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 800	31.8	58.6	61.5	66.1	67.5	67.7	67.7	67.8	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 700	32.4	59.4	62.2	66.9	68.3	68.5	68.5	68.6	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 600	33.2	60.7	63.6	68.3	69.6	69.8	69.8	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 500	34.7	75.2	78.2	84.0	85.3	85.5	85.5	85.6	86.1	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
GE 450	35.3	76.3	79.3	85.4	86.7	87.0	87.0	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 400	35.7	78.7	81.7	88.2	89.5	89.8	89.8	89.9	90.0	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 350	35.9	79.6	82.9	89.6	91.0	91.2	91.2	91.5	92.0	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2
GE 300	36.2	80.6	84.1	91.2	92.7	93.1	93.1	93.4	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
GE 250	36.3	81.0	85.2	92.5	94.3	94.8	94.8	95.1	95.5	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8
GE 200	36.3	81.2	85.6	93.2	95.0	95.4	95.4	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
GE 180	36.3	81.2	85.6	93.2	95.0	95.4	95.4	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
GE 160	36.3	81.2	85.6	93.2	95.0	95.4	95.4	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
GE 140	36.3	81.2	85.6	93.2	95.0	95.4	95.4	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
GE 120	36.3	81.2	85.6	93.2	95.0	95.4	95.4	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
GE 100	36.3	81.4	86.1	94.3	96.2	96.7	96.7	97.2	97.7	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1
GE 90	36.3	81.4	86.1	94.5	96.4	96.9	96.9	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
GE 80	36.3	81.5	86.2	94.7	96.5	97.0	97.0	97.6	98.0	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4
GE 70	36.3	81.6	86.3	94.8	96.7	97.1	97.1	97.7	98.1	98.3	98.3	98.3	98.3	98.6	98.6	98.6	98.6
GE 60	36.3	81.6	86.3	94.6	96.8	97.2	97.2	97.9	98.3	98.6	98.6	98.6	98.6	98.8	98.8	98.8	98.8
GE 50	36.3	81.6	86.3	94.8	96.8	97.2	97.2	98.2	98.7	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.1
GE 40	36.3	81.6	86.3	94.8	96.8	97.3	97.3	98.3	98.9	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 30	36.3	81.6	86.3	94.8	96.8	97.4	97.4	98.7	99.3	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8
GE 20	36.3	81.6	86.3	94.8	96.8	97.4	97.4	98.8	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 10	36.3	81.6	86.3	94.6	96.8	97.4	97.4	98.8	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 0	36.3	81.6	86.3	94.8	96.8	97.4	97.4	98.8	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 998

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: SEP HOURS(IST): ALL

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 3
NO CEIL	16.3	29.4	31.5	35.1	36.7	37.7	38.1	39.5	40.0	40.6	40.9	41.1	41.5	41.9	42.0	42.9
GE 20000	20.3	35.8	38.3	42.4	44.3	45.3	45.8	47.4	47.9	48.6	48.9	49.0	49.4	49.9	50.0	50.8
GE 18000	20.3	35.8	38.3	42.4	44.3	45.3	45.8	47.4	47.9	48.6	48.9	49.0	49.4	49.9	50.0	50.9
GE 16000	20.3	35.8	38.3	42.4	44.3	45.3	45.8	47.4	47.9	48.6	48.9	49.0	49.4	49.9	50.0	50.9
GE 14000	20.3	35.9	38.3	42.4	44.3	45.4	45.9	47.4	47.9	48.6	48.9	49.0	49.5	49.9	50.0	50.9
GE 12000	21.8	38.2	40.7	44.9	46.9	48.0	48.5	50.1	50.6	51.2	51.6	51.7	52.1	52.6	52.7	53.6
GE 10000	23.9	41.4	44.2	48.9	51.1	52.2	52.8	54.4	55.0	55.7	56.0	56.1	56.6	57.0	57.1	58.0
GE 9000	28.5	48.4	51.2	56.2	58.5	59.7	60.3	62.1	62.7	63.3	63.7	63.8	64.2	64.7	64.8	65.7
GE 8000	29.2	49.9	52.9	57.9	60.3	61.4	62.1	63.9	64.5	65.2	65.5	65.7	66.2	66.6	66.7	67.6
GE 7000	29.4	50.2	53.1	58.2	60.6	61.7	62.4	64.2	64.9	65.5	65.9	66.0	66.5	66.9	67.0	67.9
GE 6000	30.5	52.2	55.2	60.4	62.8	64.0	64.7	66.5	67.1	67.8	68.1	68.3	68.7	69.2	69.3	70.2
GE 5000	32.6	62.5	65.6	71.1	73.5	74.7	75.4	77.3	77.9	78.6	78.9	79.1	79.6	80.0	80.1	81.0
GE 4500	33.4	63.9	67.2	72.9	75.4	76.6	77.3	79.2	79.8	80.5	80.8	81.0	81.4	81.9	82.0	82.9
GE 4000	34.7	67.3	70.8	76.9	79.5	80.8	81.5	83.4	84.0	84.7	85.1	85.3	85.7	86.2	86.3	87.2
GE 3500	35.1	68.5	72.2	78.6	81.3	82.5	83.3	85.3	85.9	86.6	87.0	87.1	87.6	88.1	88.2	89.1
GE 3000	35.8	69.9	73.7	80.3	83.2	84.5	85.2	87.3	87.9	88.7	89.0	89.2	89.7	90.1	90.2	91.1
GE 2500	36.1	70.7	74.7	81.5	84.6	85.9	86.7	88.9	89.5	90.3	90.6	90.8	91.3	91.7	91.9	92.7
GE 2000	36.2	71.1	75.2	82.3	85.4	86.9	87.8	90.1	90.8	91.6	91.9	92.1	92.6	93.0	93.1	94.0
GE 1800	36.3	71.3	75.4	82.7	85.8	87.3	88.3	90.6	91.3	92.0	92.4	92.6	93.1	93.5	93.6	94.5
GE 1600	36.4	71.5	75.8	83.2	86.5	88.0	89.0	91.4	92.1	92.9	93.3	93.4	93.9	94.3	94.5	95.4
GE 1400	36.4	71.6	75.9	83.5	86.9	88.5	89.5	92.0	92.8	93.5	93.9	94.1	94.5	94.8	95.1	96.0
GE 1200	36.4	71.8	76.1	83.8	87.5	89.1	90.1	92.7	93.5	94.2	94.6	94.8	95.2	95.7	95.8	96.7
GE 1000	36.4	71.9	76.2	84.0	87.6	89.3	90.3	92.9	93.7	94.4	94.8	94.9	95.4	95.9	96.0	96.9
GE 900	36.4	71.9	76.2	84.1	87.7	89.4	90.6	93.2	94.0	94.8	95.1	95.3	95.8	96.2	96.4	97.3
GE 800	36.4	71.9	76.2	84.1	87.9	89.7	90.9	93.6	94.4	95.2	95.6	95.7	96.2	96.7	96.8	97.7
GE 700	36.4	71.9	76.2	84.2	88.1	89.9	91.2	93.9	94.8	95.6	96.0	96.2	96.6	97.1	97.2	98.1
GE 600	36.4	71.9	76.2	84.2	88.1	89.9	91.2	93.9	94.8	95.6	96.0	96.2	96.6	97.1	97.2	98.1
GE 500	36.4	71.9	76.2	84.2	88.1	90.0	91.3	94.2	95.2	96.0	96.4	96.6	97.0	97.5	97.6	98.5
GE 400	36.4	71.9	76.2	84.2	88.1	90.1	91.4	94.4	95.3	96.2	96.6	96.8	97.2	97.7	97.8	98.7
GE 300	36.4	71.9	76.2	84.2	88.2	90.1	91.5	94.5	95.6	96.5	96.9	97.1	97.6	98.0	98.2	99.1
GE 200	36.4	71.9	76.2	84.2	88.2	90.1	91.5	94.6	95.6	96.7	97.1	97.3	97.8	98.3	98.4	99.4
GE 100	36.4	71.9	76.2	84.2	88.2	90.1	91.5	94.6	95.6	96.7	97.1	97.3	97.9	98.4	98.5	99.9
GE CT	36.4	71.9	76.2	84.2	88.2	90.1	91.5	94.6	95.6	96.7	97.1	97.3	97.9	98.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 7167

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87
MONTH: OCT HOURS: 1511: 0000-0200

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 80	GE 50	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	10.6	22.3	23.9	27.6	29.7	31.4	32.4	36.2	37.4	37.9	39.3	38.8	39.4	40.1	40.6	41.6
GE 20000	12.2	25.0	26.8	31.2	33.2	34.8	36.1	40.0	41.2	41.7	42.1	42.6	43.1	43.9	44.4	46.6
GE 18000	12.2	25.0	26.8	31.2	33.2	34.8	36.1	40.0	41.2	41.7	42.1	42.6	43.1	43.9	44.4	46.6
GE 16000	12.2	25.0	26.8	31.2	33.2	34.8	36.1	40.0	41.2	41.7	42.1	42.6	43.1	43.9	44.4	46.6
GE 14000	12.2	25.3	27.1	31.6	33.5	35.1	36.4	40.3	41.5	42.1	42.4	42.9	43.5	44.2	44.8	46.9
GE 12000	12.5	25.9	27.6	32.2	34.2	35.8	37.1	41.0	42.2	42.7	43.0	43.6	44.1	44.9	45.4	47.6
GE 10000	14.8	29.2	30.8	35.5	37.6	39.6	41.0	45.3	46.6	47.1	47.5	48.0	48.5	49.3	49.8	52.0
GE 9000	19.2	35.0	37.0	42.1	44.5	46.5	47.9	52.2	53.6	54.2	54.5	55.0	55.6	56.3	56.9	59.0
GE 8000	27.3	36.5	38.5	43.7	46.4	48.3	49.7	54.1	55.5	56.0	56.3	56.9	57.4	58.2	59.7	61.9
GE 7000	20.6	37.1	39.0	44.2	46.9	48.9	50.3	54.6	56.0	56.5	56.9	57.4	57.9	58.7	59.2	61.4
GE 6000	21.1	37.7	39.7	45.0	47.7	49.6	51.1	55.5	56.9	57.4	57.7	58.3	58.9	59.7	60.2	62.4
GE 5000	22.9	47.2	49.3	54.8	57.9	59.9	61.9	65.7	67.1	67.7	68.0	68.5	69.1	69.9	70.5	72.6
GE 4500	23.9	49.3	51.4	56.9	60.0	61.9	63.5	67.8	69.2	69.7	70.1	70.6	71.1	72.0	72.5	74.7
GE 4000	25.1	52.3	54.5	60.3	63.5	65.6	67.1	71.6	73.0	73.5	73.8	74.4	74.9	75.8	76.3	78.5
GE 3500	25.4	53.5	55.8	61.6	65.0	67.4	68.9	73.5	74.9	75.5	75.8	76.3	76.9	77.8	78.4	80.5
GE 3000	26.1	54.9	57.3	63.6	67.2	69.7	71.2	76.2	77.6	78.2	78.5	79.0	79.6	80.5	81.1	83.2
GE 2500	26.6	56.4	59.0	66.2	70.4	73.0	74.6	79.9	81.3	81.8	82.2	82.7	83.2	84.2	84.8	86.9
GE 2000	27.1	58.4	61.1	68.2	73.7	76.4	79.1	83.4	84.8	85.3	85.6	86.2	86.7	87.7	88.2	90.4
GE 1800	27.1	58.8	61.5	69.3	74.5	77.7	79.4	84.6	86.1	86.6	86.9	87.5	88.0	89.0	89.5	91.7
GE 1600	27.4	59.7	62.5	70.8	76.1	79.4	81.0	86.3	87.7	88.2	88.5	89.1	89.6	90.6	91.1	93.2
GE 1400	27.4	60.1	63.1	71.5	77.0	80.2	82.1	87.4	88.8	89.3	89.6	90.2	90.7	91.7	92.2	94.4
GE 1200	27.4	60.4	63.5	71.8	77.5	81.0	82.9	88.7	89.6	90.3	90.6	91.1	91.7	92.6	93.1	95.4
GE 1000	27.4	60.4	63.5	71.8	77.5	81.0	83.0	88.4	89.8	90.5	90.8	91.4	91.9	92.9	93.4	95.6
GE 900	27.4	60.4	63.5	72.1	77.9	81.5	83.6	89.1	90.5	91.1	91.5	92.0	92.5	93.5	94.1	96.2
GE 800	27.6	60.6	63.7	72.6	78.5	82.1	84.1	89.6	91.0	91.7	92.0	92.5	93.1	94.1	94.6	96.8
GE 700	27.6	60.6	63.7	72.6	78.7	82.3	84.3	89.8	91.2	91.9	92.2	92.6	93.3	94.3	94.8	97.0
GE 600	27.6	60.6	63.7	73.0	79.0	82.8	84.9	90.6	92.0	92.6	92.9	93.5	94.1	95.0	95.6	97.7
GE 500	27.6	60.6	63.7	73.0	79.0	82.8	84.9	90.6	92.0	92.6	92.9	93.5	94.1	95.0	95.6	97.7
GE 400	27.6	60.6	63.7	73.0	79.0	82.8	84.9	90.6	92.0	92.6	92.9	93.5	94.1	95.0	95.6	97.7
GE 300	27.6	60.6	63.7	73.0	79.0	82.8	84.9	90.6	92.0	92.6	92.9	93.5	94.1	95.0	95.6	97.7
GE 200	27.6	60.6	63.7	73.0	79.0	82.8	84.9	90.6	92.0	92.6	92.9	93.5	94.1	95.0	95.6	97.7
GE 100	27.6	60.6	63.7	73.0	79.0	82.8	84.9	90.6	92.0	92.6	92.9	93.5	94.1	95.0	95.6	97.7
GE 50	27.6	60.6	63.7	73.0	79.0	82.8	84.9	90.6	92.0	92.6	92.9	93.5	94.1	95.0	95.6	97.7

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107387 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT HOURS(LEST): 0300-0500

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 6	GE 4	GE 0
NO CEIL	7.8	14.9	15.8	19.0	21.0	21.9	22.2	24.4	25.5	27.1	29.5	28.8	30.6	32.2	37.8	35.9
GE 20000	9.5	17.6	18.9	22.3	24.8	25.8	26.5	29.0	30.1	31.7	33.1	33.3	35.1	36.8	37.3	40.4
GE 18000	9.5	17.8	18.9	22.3	24.8	25.8	26.5	29.0	30.1	31.7	33.1	33.3	35.1	36.8	37.3	40.4
GE 16000	9.5	17.8	18.9	22.3	24.8	25.8	26.5	29.0	30.1	31.7	33.1	33.3	35.1	36.8	37.3	40.4
GE 14000	9.5	17.8	18.9	22.4	25.0	26.1	26.7	29.2	30.3	31.9	33.3	33.5	35.4	37.0	37.6	40.6
GE 12000	9.9	18.9	20.0	23.5	26.2	27.2	27.9	30.6	31.7	33.3	34.7	34.9	36.8	38.4	38.9	41.1
GE 10000	12.1	21.7	23.1	26.7	29.7	31.1	32.2	35.1	36.2	37.8	39.2	39.5	41.3	42.9	43.6	46.6
GE 9000	16.1	27.2	28.8	32.8	36.1	37.5	38.7	41.7	42.9	44.5	45.9	46.2	48.0	49.6	50.2	53.3
GE 8000	16.9	26.9	30.5	34.7	38.4	39.9	41.1	44.1	45.3	46.9	48.3	48.5	50.4	52.0	52.6	55.7
GE 7000	16.8	28.9	30.5	34.7	38.4	39.9	41.1	44.1	45.3	46.9	48.3	48.5	50.4	52.0	52.6	55.7
GE 6000	17.6	30.2	32.4	36.9	40.5	42.1	43.2	46.3	47.5	49.1	50.5	50.7	52.5	54.2	54.7	57.8
GE 5000	20.0	37.7	39.5	44.1	47.8	49.5	50.7	53.7	54.9	56.6	58.1	58.3	60.1	61.7	62.3	65.5
GE 4000	21.6	40.5	42.5	47.4	51.4	53.1	54.3	57.4	58.6	60.3	61.7	61.9	63.8	65.4	65.9	69.2
GE 3000	22.8	43.5	45.5	50.9	55.1	56.9	58.1	61.2	62.4	64.1	65.5	65.7	67.6	69.2	69.7	73.0
GE 2000	23.1	44.6	46.7	52.2	56.4	58.2	59.5	62.6	63.8	65.5	66.9	67.1	69.0	70.6	71.1	74.4
GE 1000	24.0	46.1	48.5	54.8	59.1	61.1	62.5	65.8	67.0	68.6	70.2	70.4	72.2	73.8	74.4	77.7
GE 2500	24.4	47.8	50.3	56.9	61.4	63.4	65.0	68.5	69.7	71.5	72.9	73.1	74.9	76.5	77.1	80.2
GE 2000	24.8	49.7	52.5	59.6	64.5	66.7	68.6	72.2	73.4	75.2	76.6	76.8	78.7	80.3	80.9	84.1
GE 1800	24.9	50.2	53.1	60.3	65.2	67.6	69.4	73.2	74.4	76.2	77.6	77.8	79.7	81.3	81.9	85.1
GE 1600	25.0	50.9	53.9	61.5	66.6	69.3	71.4	75.0	76.2	78.1	79.5	79.7	81.5	83.1	83.7	86.9
GE 1400	25.1	51.2	54.5	62.5	68.0	70.7	72.9	76.6	77.8	79.7	81.1	81.3	83.1	84.8	85.4	88.6
GE 1200	25.1	51.4	54.6	62.6	68.2	71.1	73.6	77.7	78.9	80.9	82.3	82.5	84.3	86.0	86.6	89.7
GE 900	25.1	51.4	54.7	62.7	68.4	71.5	74.0	78.1	79.2	81.2	82.6	82.8	84.6	86.3	86.9	90.1
GE 800	25.1	51.4	54.7	63.0	69.0	72.2	74.7	78.8	80.1	82.1	83.5	83.7	85.5	87.1	87.7	90.9
GE 700	25.1	51.5	54.8	63.1	69.4	72.6	75.1	79.4	80.6	82.6	84.0	84.2	86.1	87.7	88.3	91.5
GE 600	25.1	51.5	54.9	63.2	69.6	73.0	75.8	80.3	81.7	83.7	85.1	85.3	87.2	88.9	89.4	92.6
GE 500	25.1	51.5	54.9	63.5	69.8	73.3	76.2	81.0	82.5	84.5	86.0	86.2	88.1	89.7	90.3	93.5
GE 400	25.1	51.5	54.9	63.6	69.9	73.6	76.5	81.4	82.9	85.0	86.4	86.6	88.5	90.2	90.7	93.9
GE 300	25.1	51.5	54.9	63.6	70.1	73.7	76.6	81.6	83.2	85.4	86.9	87.1	89.1	90.8	91.4	94.6
GE 200	25.1	51.5	54.9	63.6	70.1	73.7	76.6	81.6	83.2	86.1	87.6	87.8	89.7	91.4	92.0	95.1
GE 100	25.1	51.5	54.9	63.6	70.1	73.7	76.6	81.6	83.2	86.2	87.7	87.9	89.9	92.0	92.6	95.6

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107390 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 1	GE 2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
NO CEIL	7.7	10.3	11.1	13.7	15.1	16.3	17.1	19.2	20.2	21.7	22.4	22.6	23.4	25.3	26.5	28.2
GE 2000	9.4	12.7	13.5	16.3	18.2	19.6	20.9	23.2	24.2	26.1	26.9	27.2	28.1	30.5	31.7	33.3
GE 1800	9.4	12.7	13.5	16.3	18.2	19.6	20.9	23.2	24.2	26.1	26.9	27.2	28.1	30.5	31.7	33.3
GE 1600	9.4	12.7	13.5	16.3	18.2	19.6	20.9	23.2	24.2	26.1	26.9	27.2	28.1	30.5	31.7	33.3
GE 1400	9.4	12.7	13.5	16.3	18.2	19.6	20.9	23.2	24.2	26.1	26.9	27.2	28.1	30.5	31.7	33.3
GE 1200	10.5	14.1	14.9	17.6	19.8	21.4	22.6	25.1	26.2	28.1	29.0	29.2	30.2	32.5	33.7	35.4
GE 1000	13.7	18.1	18.9	22.3	24.5	26.3	27.8	33.8	32.0	33.5	34.6	35.0	36.7	38.4	39.6	43.2
GE 900	17.5	23.6	24.7	28.3	30.8	32.8	34.4	37.8	39.5	41.6	42.5	42.7	43.6	46.1	47.2	51.0
GE 800	18.4	25.2	26.3	30.3	32.8	34.8	36.4	40.2	42.0	44.2	45.0	45.3	46.2	48.7	49.0	53.6
GE 700	18.5	25.4	26.5	30.5	33.0	35.0	36.6	40.4	42.2	44.4	45.3	45.5	46.4	48.9	49.1	53.8
GE 600	19.0	26.2	27.3	31.3	33.9	36.1	37.7	41.5	43.3	45.5	46.3	46.6	47.5	50.0	51.2	54.8
GE 500	20.6	30.4	31.6	35.8	38.6	40.7	42.5	46.3	48.2	50.4	51.3	51.5	52.6	55.2	56.4	60.0
GE 400	21.9	32.3	33.9	38.3	41.1	43.4	45.3	49.2	51.3	53.6	54.4	54.6	55.7	58.3	59.5	63.1
GE 300	23.7	35.8	37.8	42.6	45.7	48.2	50.6	54.3	56.4	58.6	59.5	59.7	60.8	63.4	64.6	68.2
GE 200	24.1	37.1	39.2	44.2	47.3	49.8	51.9	56.6	58.6	61.0	61.9	62.1	63.1	65.7	66.9	70.6
GE 100	25.2	38.8	41.3	46.4	49.9	52.4	54.6	59.6	61.6	64.0	64.9	65.1	66.2	68.8	69.9	73.6
GE 2000	26.5	40.4	42.9	48.3	52.2	54.7	57.2	62.6	64.9	67.2	68.1	68.3	69.4	72.0	73.2	76.8
GE 1800	26.2	40.7	43.4	49.8	53.8	56.6	59.3	64.8	67.0	69.5	70.4	70.7	71.8	74.4	75.6	79.2
GE 1600	26.3	40.9	43.6	50.0	54.3	57.2	60.0	65.7	68.0	70.5	71.4	71.7	72.7	75.3	76.6	80.2
GE 1400	26.5	41.6	44.3	51.1	55.5	58.4	61.3	67.1	69.5	72.0	73.0	73.2	74.4	76.9	78.1	81.8
GE 1200	26.5	41.7	44.4	51.3	55.8	58.8	61.9	68.0	70.4	73.0	73.9	74.1	75.3	77.9	79.1	82.8
GE 1000	26.5	42.3	44.7	51.9	56.7	60.1	63.7	69.6	72.1	74.9	75.2	75.4	76.6	79.2	80.4	84.1
GE 900	26.5	42.0	44.7	51.9	56.8	60.3	63.7	70.2	72.7	75.5	76.9	77.2	78.3	80.9	82.1	85.8
GE 800	26.5	42.0	44.7	52.0	57.1	60.9	64.2	70.8	73.4	76.3	77.8	78.0	79.3	81.9	83.1	86.7
GE 700	26.5	42.3	44.7	52.2	57.5	61.7	65.3	71.9	74.5	77.4	78.9	79.1	80.4	83.0	84.2	87.8
GE 600	26.5	42.3	44.7	52.3	57.8	62.4	65.9	72.8	75.6	79.2	80.7	80.9	82.2	84.8	86.0	89.7
GE 500	26.5	42.7	44.7	52.4	58.0	62.8	66.5	73.5	76.6	80.7	81.9	82.0	83.3	85.9	87.2	90.8
GE 400	26.5	42.0	44.7	52.4	58.0	62.8	66.6	73.6	76.8	80.5	82.1	82.3	83.7	86.4	87.6	91.3
GE 300	26.5	42.0	44.7	52.4	58.0	62.8	66.6	73.7	77.5	81.3	82.7	82.9	84.3	87.0	88.2	91.9
GE 200	26.5	42.0	44.7	52.4	58.0	62.9	66.7	74.0	77.9	81.9	83.6	83.8	85.2	87.8	89.0	92.6
GE 100	26.5	42.7	44.7	52.4	58.0	62.9	66.7	74.2	77.9	81.9	83.7	83.9	85.5	88.0	89.2	92.8

TOTAL NUMBER OF OBSERVATIONS: 928

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: 78-87
MONTH: OCT HOURS (L/11) 9 7-11

CEILING	VISIBILITY IN HUNDREDS OF METERS															
	10	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
FEET	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
NO CEIL	6.0	11.1	12.5	16.0	19.5	21.0	22.3	24.7	25.7	26.2	26.4	27.2	27.6	28.4	28.7	29.0
GE 20001	9.1	15.3	17.3	21.6	25.6	27.1	29.2	31.9	33.0	33.7	34.2	34.6	35.3	36.2	36.4	36.7
GE 18001	9.1	15.3	17.3	21.6	25.6	27.6	29.2	31.9	33.0	33.7	34.2	34.6	35.3	36.2	36.4	36.7
GE 16001	9.1	15.3	17.3	21.6	25.6	27.6	29.2	31.9	33.0	33.7	34.2	34.6	35.3	36.2	36.4	36.7
GE 14001	9.2	15.4	17.4	22.0	26.0	28.0	29.7	32.4	33.4	34.1	34.6	35.1	35.4	36.2	36.4	36.7
GE 12001	10.4	17.2	19.1	23.8	27.8	29.9	31.5	34.2	35.3	35.9	36.5	37.0	37.5	38.2	38.4	38.7
GE 10001	13.2	21.5	23.9	29.0	33.1	35.2	36.8	39.7	40.8	41.4	42.0	42.4	43.1	43.8	44.3	44.7
GE 90001	17.7	28.2	32.0	36.6	41.3	43.6	45.4	49.0	50.1	50.7	51.2	51.7	52.3	53.0	53.4	53.7
GE 80001	19.1	30.1	33.0	38.7	43.7	46.1	47.9	51.5	52.6	53.4	53.9	54.4	54.9	55.6	56.0	56.3
GE 70001	19.2	30.1	33.0	38.7	43.8	46.2	48.0	51.6	52.8	53.5	54.0	54.5	55.0	55.7	56.1	56.4
GE 60001	20.0	31.3	34.3	40.0	45.1	47.5	49.3	52.9	54.0	54.8	55.3	55.8	56.3	57.0	57.4	57.7
GE 50001	21.8	33.5	36.7	42.7	47.9	50.5	52.4	57.0	58.1	58.9	59.4	60.0	60.5	61.2	61.6	61.9
GE 40001	22.9	37.0	40.2	46.2	51.7	54.3	56.2	59.9	61.1	61.8	62.4	63.0	63.5	64.2	64.6	64.9
GE 30001	25.0	40.1	43.5	50.1	55.6	58.4	60.5	64.2	65.4	66.1	66.7	67.3	67.8	68.5	68.9	69.2
GE 20001	25.6	41.1	44.4	51.5	57.5	60.1	62.2	65.9	67.1	67.9	68.4	68.9	69.4	70.1	70.5	70.8
GE 10001	26.7	42.7	46.1	53.1	59.2	61.9	64.3	68.1	69.3	70.0	70.6	71.1	71.6	72.3	72.7	73.0
GE 90001	26.8	44.2	47.5	55.1	61.4	64.2	66.6	70.8	72.1	72.8	73.4	73.9	74.4	75.1	75.5	75.8
GE 80001	27.3	45.1	48.6	56.6	63.3	66.1	68.6	73.1	74.4	75.2	75.7	76.2	76.7	77.4	77.8	78.1
GE 70001	27.4	45.3	49.2	57.1	64.2	67.1	69.7	74.2	75.6	76.4	76.9	77.3	77.7	78.4	78.8	79.1
GE 60001	28.0	46.3	50.3	58.5	66.1	69.3	72.0	76.7	78.1	79.1	79.6	80.0	80.4	81.1	81.5	81.8
GE 50001	28.0	46.3	50.7	59.1	67.4	70.7	73.8	79.2	80.9	81.8	82.3	82.7	83.1	83.8	84.2	84.5
GE 40001	28.0	46.3	50.8	59.5	68.5	72.3	75.6	81.6	83.9	84.9	85.4	85.8	86.2	86.9	87.3	87.6
GE 30001	28.0	46.3	50.8	59.8	69.1	73.5	76.9	83.3	85.5	86.7	87.3	87.7	88.1	88.8	89.2	89.5
GE 20001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 10001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 90001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 80001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 70001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 60001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 50001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 40001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 30001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 20001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 10001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 90001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 80001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 70001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 60001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 50001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 40001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 30001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 20001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 10001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 90001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 80001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 70001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 60001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 50001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 40001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 30001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 20001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 10001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 90001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 80001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 70001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 60001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 50001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 40001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 30001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 20001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 10001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 90001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 80001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 70001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 60001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 50001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 40001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 30001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 20001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 10001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 90001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 80001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 70001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 60001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 50001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7	88.3	88.7	89.2	89.9	90.3	90.6
GE 40001	28.0	46.3	50.8	59.8	69.4	73.7	77.6	84.3	86.5	87.7						

TOTAL NUMBER OF OBSERVATIONS: 727

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

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

CEILING FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	2	3	4	5	6	7	8	9	10	12	14	16	18	20	24
NO CEIL	9.5	19.5	21.3	24.7	27.1	27.6	28.5	28.4	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.7
GE 1000	15.2	28.9	31.9	36.1	36.7	39.5	40.7	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 800	15.2	28.9	31.9	36.1	38.9	39.5	40.0	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 600	15.3	29.2	31.5	36.4	39.2	39.6	40.3	40.5	40.6	40.8	40.8	40.8	40.9	40.9	40.9	40.9
GE 400	17.0	31.0	33.0	38.3	41.4	42.0	42.4	42.7	42.8	43.0	43.0	43.0	43.1	43.1	43.1	43.1
GE 200	19.8	35.4	37.7	42.9	45.9	46.5	47.0	47.2	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 100	23.9	41.7	44.3	49.9	53.3	4.1	54.6	54.9	55.0	55.2	55.2	55.2	55.3	55.3	55.3	55.3
GE 80	25.1	43.2	45.9	51.7	55.2	5.9	56.5	56.7	56.8	57.0	57.0	57.0	57.1	57.1	57.1	57.1
GE 60	25.1	43.2	45.9	51.7	55.2	55.9	56.5	56.7	56.8	57.0	57.0	57.0	57.1	57.1	57.1	57.1
GE 40	25.7	44.1	46.8	52.6	56.0	56.6	57.3	57.6	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.0
GE 30	27.9	50.9	53.6	59.6	63.1	63.8	64.4	64.6	64.7	64.9	64.9	64.9	65.0	65.0	65.0	65.0
GE 20	29.4	52.8	55.6	61.8	65.2	66.0	66.6	66.7	66.8	67.1	67.1	67.1	67.2	67.2	67.2	67.2
GE 10	31.2	56.4	59.4	65.6	69.2	70.0	70.6	70.8	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3
GE 8	32.9	58.3	61.4	67.8	71.9	72.7	73.3	73.7	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1
GE 6	34.2	61.9	65.2	72.6	77.0	78.0	78.7	79.0	79.3	79.5	79.5	79.5	79.6	79.6	79.6	79.6
GE 5	35.6	63.4	67.4	75.1	79.8	80.8	81.6	82.0	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5
GE 4	36.5	65.8	69.9	77.9	82.7	83.7	84.6	85.3	85.5	85.7	85.7	85.7	85.9	85.9	85.9	85.9
GE 3	36.6	66.0	70.3	78.6	83.6	84.0	85.0	85.7	86.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8
GE 2	36.7	67.0	71.7	81.2	86.8	88.1	89.1	89.8	90.1	90.3	90.3	90.3	90.4	90.4	90.4	90.4
GE 1	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 0	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 1000	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 800	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 600	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 400	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 200	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 100	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 80	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 60	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 40	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 20	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 10	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 8	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 6	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 4	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 3	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 2	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 1	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 0	36.8	67.4	72.5	82.3	88.2	89.7	90.8	91.8	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT

HOURS(IST): 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	14.1	22.8	24.6	28.3	29.4	30.2	30.5	31.1	31.4	31.6	31.7	31.7	31.7	31.7	31.7	31.7
GE 20000	18.7	32.3	35.0	39.6	41.3	42.5	42.9	43.5	43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1
GE 18000	19.7	32.0	35.0	39.6	41.3	42.5	42.9	43.5	43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1
GE 16000	19.7	32.0	35.0	39.6	41.3	42.5	42.9	43.5	43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1
GE 14000	19.7	32.0	35.0	39.6	41.3	42.5	42.9	43.5	43.8	44.0	44.1	44.1	44.1	44.1	44.1	44.1
GE 12000	22.0	35.1	38.0	43.1	45.2	46.4	46.8	47.4	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.0
GE 10000	24.4	38.5	41.5	46.7	48.9	50.1	50.6	51.1	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.8
GE 9000	27.1	43.8	47.4	53.1	55.3	56.5	57.1	57.6	57.9	58.1	58.3	58.3	58.3	58.3	58.3	58.3
GE 8000	27.9	44.9	48.4	54.3	56.5	57.6	58.5	59.0	59.3	59.5	59.7	59.7	59.7	59.7	59.7	59.7
GE 7000	28.0	45.0	48.5	54.4	56.6	57.9	58.6	59.1	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8
GE 6000	28.7	45.8	49.4	55.2	57.5	58.8	59.4	60.0	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000	30.5	54.9	58.6	64.5	66.9	68.2	68.8	69.4	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500	32.3	57.3	60.9	67.1	69.5	70.8	71.4	72.0	72.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6
GE 4000	34.1	61.4	65.3	71.8	74.4	75.7	76.6	77.1	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8
GE 3500	35.1	63.5	67.6	74.5	77.6	79.0	79.6	80.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	36.4	65.9	70.3	77.5	80.9	82.3	83.2	84.1	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8
GE 2500	37.1	68.3	72.8	80.4	83.8	85.3	86.2	87.2	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8
GE 2000	37.4	69.5	74.6	82.4	86.0	87.6	88.5	89.6	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 1800	37.4	69.9	75.2	83.3	86.8	88.6	89.4	90.6	90.9	91.2	91.3	91.3	91.3	91.3	91.3	91.3
GE 1500	37.4	70.6	76.3	84.7	88.7	90.5	91.4	92.9	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 1200	37.4	71.2	76.7	85.4	89.5	91.7	92.9	94.5	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	37.4	71.3	76.8	86.1	90.8	93.4	94.8	96.4	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1
GE 900	37.4	71.3	76.8	86.2	90.9	93.5	94.9	96.5	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	37.4	71.3	76.8	86.2	91.0	93.6	95.1	96.9	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5
GE 700	37.4	71.3	76.8	86.3	91.4	94.1	95.6	97.5	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 600	37.4	71.3	76.8	86.3	91.5	94.5	96.1	98.2	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	37.4	71.3	76.8	86.3	91.5	94.5	96.1	98.5	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	37.4	71.3	76.8	86.3	91.5	94.5	96.3	98.7	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	37.4	71.3	76.8	86.3	91.5	94.5	96.3	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	37.4	71.3	76.8	86.3	91.5	94.5	96.3	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	37.4	71.3	76.8	86.3	91.5	94.5	96.3	98.7	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	37.4	71.3	76.8	86.3	91.5	94.5	96.4	98.8	99.1	99.6	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 227

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT

HOURS(EST): 1PCD-2000

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	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	23.9	26.4	32.2	34.6	36.0	36.9	37.4	37.4	37.4	37.7	37.7	37.7	37.7	37.7
GE 20000	16.0	28.8	31.8	38.8	41.5	43.2	44.2	44.9	45.1	45.1	45.4	45.4	45.4	45.4	45.4
GE 18000	16.0	28.8	31.8	38.8	41.5	43.2	44.2	44.9	45.1	45.1	45.4	45.4	45.4	45.4	45.4
GE 16000	16.0	28.8	31.8	38.8	41.5	43.2	44.2	44.9	45.1	45.1	45.4	45.4	45.4	45.4	45.4
GE 14000	16.0	28.8	31.8	38.8	41.5	43.2	44.2	44.9	45.1	45.1	45.4	45.4	45.4	45.4	45.4
GE 12000	17.1	30.4	33.5	40.6	43.4	45.1	46.1	46.7	46.9	46.9	47.2	47.2	47.2	47.2	47.2
GE 10000	19.2	33.8	37.1	44.5	47.2	49.1	50.2	50.8	51.0	51.0	51.4	51.4	51.4	51.4	51.4
GE 9000	22.6	38.6	41.9	49.9	52.9	54.7	55.8	56.4	56.6	56.6	57.0	57.0	57.0	57.0	57.0
GE 8000	24.9	41.2	44.5	52.8	56.1	57.9	59.1	60.1	60.3	60.3	60.6	60.6	60.6	60.6	60.6
GE 7000	24.9	41.2	44.6	52.9	56.2	58.1	59.2	60.2	60.4	60.4	60.8	60.8	60.8	60.8	60.8
GE 6000	25.8	42.6	46.3	54.5	57.8	59.7	60.9	61.8	62.1	62.4	62.4	62.4	62.4	62.4	62.4
GE 5000	27.2	53.3	57.1	65.5	69.1	70.9	72.2	73.2	73.4	73.4	73.7	73.7	73.7	73.7	73.7
GE 4500	28.1	55.2	59.2	67.9	71.5	73.3	74.6	75.6	75.8	75.8	76.1	76.1	76.1	76.1	76.1
GE 4000	30.1	59.5	63.7	73.4	76.2	78.1	79.5	80.6	80.6	80.6	81.0	81.0	81.0	81.0	81.0
GE 3500	30.7	61.2	65.4	74.7	78.9	80.8	82.3	83.2	83.5	83.5	83.8	83.8	83.8	83.8	83.8
GE 3000	31.6	63.6	68.2	77.7	82.4	84.2	85.8	86.8	87.0	87.0	87.4	87.4	87.4	87.4	87.4
GE 2500	31.8	65.3	70.1	80.4	85.2	87.1	88.8	89.7	89.9	89.9	90.3	90.3	90.3	90.3	90.3
GE 2000	32.0	66.2	71.2	82.2	87.2	89.3	91.0	92.0	92.2	92.2	92.5	92.5	92.5	92.5	92.5
GE 1800	32.0	66.3	71.5	82.5	87.6	89.6	91.4	92.3	92.5	92.5	92.9	92.9	92.9	92.9	92.9
GE 1600	32.0	66.8	72.4	83.6	89.6	91.6	93.5	94.5	94.7	94.7	95.0	95.0	95.0	95.0	95.0
GE 1400	32.0	67.0	72.9	84.5	90.6	92.6	94.6	95.6	95.8	95.8	96.1	96.1	96.1	96.1	96.1
GE 1200	32.0	67.2	72.9	84.9	91.1	93.4	95.4	96.4	96.6	96.6	97.0	97.0	97.0	97.0	97.0
GE 1000	32.0	67.3	72.9	85.0	91.6	93.9	96.0	97.1	97.3	97.3	97.6	97.6	97.6	97.6	97.6
GE 900	32.0	67.1	73.1	85.3	92.0	94.4	96.5	97.6	97.8	97.8	98.2	98.2	98.2	98.2	98.2
GE 800	32.0	67.1	73.1	85.5	92.2	94.6	96.8	97.9	98.2	98.2	98.5	98.5	98.5	98.5	98.5
GE 700	32.0	67.1	73.1	85.7	92.4	94.8	97.0	98.2	98.5	98.7	99.0	99.0	99.0	99.0	99.0
GE 600	32.0	67.1	73.1	85.7	92.4	94.8	97.1	98.5	98.8	99.0	99.4	99.4	99.4	99.4	99.4
GE 500	32.0	67.1	73.1	85.7	92.4	94.8	97.1	98.7	99.0	99.2	99.6	99.6	99.6	99.6	99.6
GE 400	32.0	67.1	73.1	85.7	92.4	94.8	97.2	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7
GE 300	32.0	67.1	73.1	85.7	92.4	94.8	97.2	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7
GE 200	32.0	67.1	73.1	85.7	92.4	94.8	97.2	98.8	99.1	99.4	99.7	99.7	99.7	99.7	99.7
GE 100	32.0	67.1	73.1	85.7	92.4	94.8	97.2	98.8	99.1	99.4	99.7	99.7	99.7	99.7	100.0
GE 0	32.0	67.1	73.1	85.7	92.4	94.8	97.2	98.8	99.1	99.4	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/WHAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 127380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	12.6	23.6	25.4	30.7	33.2	35.8	37.3	38.6	38.7	39.0	39.0	39.0	39.1	39.3	39.4	40.0
GE 2000	13.5	25.8	28.1	33.9	36.4	39.2	40.7	42.5	42.7	43.0	43.0	43.0	43.1	43.3	43.4	44.0
GE 1800	13.6	25.9	28.2	34.1	36.5	39.3	40.8	42.6	42.8	43.1	43.1	43.1	43.2	43.4	43.5	44.1
GE 1600	13.6	25.9	28.2	34.1	36.5	39.3	40.8	42.6	42.8	43.1	43.1	43.1	43.2	43.4	43.5	44.1
GE 1400	13.6	26.2	28.6	34.4	36.9	39.7	41.2	42.9	43.1	43.4	43.4	43.4	43.5	43.8	43.9	44.4
GE 1200	14.3	27.3	29.6	35.6	38.0	40.8	42.3	44.1	44.3	44.6	44.6	44.6	44.7	44.9	45.0	45.6
GE 1000	17.0	30.6	33.1	39.2	41.9	44.8	46.3	48.4	48.6	48.9	48.9	48.9	49.0	49.2	49.4	49.9
GE 900	22.1	37.6	40.3	47.0	49.8	52.8	54.4	56.5	56.7	57.0	57.1	57.1	57.2	57.4	57.5	58.2
GE 800	24.1	40.0	42.7	49.4	52.4	55.5	57.2	59.3	59.5	59.8	59.9	59.9	60.0	60.2	60.3	61.0
GE 700	24.4	40.2	42.9	49.7	52.9	56.0	57.8	59.8	60.0	60.3	60.5	60.5	60.6	60.8	60.9	61.5
GE 600	25.6	42.2	44.9	52.0	55.3	58.4	60.1	62.2	62.4	62.7	62.8	62.8	62.9	63.1	63.3	63.9
GE 500	26.9	52.6	55.3	62.6	65.9	69.1	70.8	72.8	73.1	73.4	73.5	73.5	73.6	73.8	73.9	74.6
GE 450	27.8	54.4	57.4	64.8	68.1	71.2	73.0	75.0	75.2	75.5	75.6	75.6	75.8	76.0	76.1	76.7
GE 400	30.2	59.4	62.9	70.8	74.4	77.5	79.2	81.4	81.6	81.9	82.0	82.0	82.1	82.3	82.4	83.1
GE 350	30.4	61.2	65.0	72.0	76.6	79.8	81.6	83.7	83.9	84.3	84.4	84.4	84.5	84.7	84.8	85.5
GE 300	30.5	62.3	66.3	74.4	78.0	81.3	83.0	85.1	85.3	85.7	85.8	85.8	85.9	86.1	86.2	86.9
GE 250	30.7	63.4	67.7	76.2	79.8	83.1	84.8	87.0	87.2	87.5	87.6	87.6	87.7	87.9	88.0	88.7
GE 200	31.3	65.3	69.7	78.8	83.0	86.2	87.9	90.1	90.3	90.6	90.7	90.7	90.8	91.1	91.2	91.8
GE 180	31.6	65.9	70.4	79.6	84.1	87.3	89.0	91.2	91.4	91.7	91.8	91.8	91.9	92.1	92.2	92.9
GE 160	31.8	66.4	71.6	81.4	86.1	89.3	91.1	93.2	93.5	93.9	94.0	94.0	94.1	94.3	94.4	95.0
GE 140	31.8	67.1	71.8	81.7	86.9	90.1	91.8	94.0	94.3	94.6	94.7	94.7	94.8	95.0	95.2	95.8
GE 120	31.8	67.3	72.1	82.0	87.3	90.6	92.5	94.6	94.9	95.3	95.4	95.4	95.5	95.7	95.8	96.4
GE 100	31.8	67.5	72.2	82.2	87.6	90.9	92.9	95.0	95.4	95.7	95.8	95.8	95.9	96.1	96.2	96.9
GE 90	31.8	67.5	72.2	82.7	88.4	91.9	93.9	96.0	96.3	96.7	96.8	96.8	96.9	97.1	97.2	97.8
GE 80	31.8	67.5	72.2	82.8	88.5	92.0	94.0	96.2	96.6	96.9	97.0	97.0	97.1	97.3	97.4	98.1
GE 70	31.8	67.5	72.2	82.9	88.6	92.1	94.1	96.4	96.8	97.1	97.2	97.2	97.3	97.5	97.6	98.3
GE 60	31.8	67.5	72.2	82.9	88.6	92.1	94.1	96.7	97.0	97.3	97.4	97.4	97.5	97.7	97.8	98.5
GE 50	31.8	67.5	72.2	82.9	88.6	92.1	94.1	96.9	97.2	97.5	97.6	97.6	97.7	98.0	98.1	98.7
GE 40	31.8	67.5	72.2	82.9	88.6	92.1	94.1	97.3	97.7	98.2	98.3	98.3	98.4	98.6	98.7	99.4
GE 30	31.8	67.5	72.2	82.9	88.6	92.1	94.1	97.3	97.7	98.2	98.3	98.3	98.4	98.6	98.7	99.4
GE 20	31.8	67.5	72.2	82.9	88.6	92.1	94.1	97.3	97.7	98.2	98.3	98.3	98.4	98.6	98.7	99.4
GE 10	31.8	67.5	72.2	82.9	88.6	92.1	94.1	97.3	97.7	98.2	98.3	98.3	98.4	98.6	98.7	99.4
GE 0	31.8	67.5	72.2	82.9	88.6	92.1	94.1	97.3	97.7	98.2	98.3	98.3	98.4	98.6	98.7	99.4

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 177380 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	6	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		160	90	10	60	40	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	10.3	18.6	20.1	24.0	26.2	27.5	28.4	30.0	30.6	31.2	31.6	31.8	32.3	32.9	33.2	34.6	
GE 2000	13.1	23.3	25.3	30.0	32.5	34.1	35.1	36.9	37.5	38.2	38.7	38.8	39.3	40.0	40.4	41.7	
GE 1800	13.1	23.3	25.4	30.0	32.5	34.1	35.1	36.9	37.6	38.2	38.7	38.8	39.3	40.1	40.4	41.7	
GE 1600	13.1	23.3	25.4	30.0	32.5	34.1	35.1	36.9	37.6	38.2	38.7	38.8	39.3	40.1	40.4	41.7	
GE 1400	13.1	23.4	25.5	30.2	32.7	34.3	35.3	37.1	37.8	38.5	38.9	39.1	39.6	40.3	40.6	42.0	
GE 1200	14.2	25.0	27.0	31.9	34.5	36.1	37.1	39.0	39.6	40.3	40.8	40.9	41.4	42.1	42.5	43.6	
GE 1000	16.8	28.6	30.8	35.9	38.6	40.3	41.5	43.6	44.2	44.9	45.4	45.6	46.0	46.6	47.1	48.4	
GE 900	20.8	34.5	36.9	42.5	45.5	47.3	48.5	50.8	51.5	52.2	52.7	52.9	53.4	54.1	54.4	55.8	
GE 800	22.1	36.2	38.7	44.4	47.7	49.5	50.8	53.1	53.9	54.6	55.1	55.3	55.8	56.5	56.8	58.2	
GE 700	22.2	36.4	38.9	44.6	47.9	49.7	51.0	53.3	54.1	54.9	55.3	55.5	56.0	56.7	57.0	58.4	
GE 600	22.7	37.6	40.1	45.9	49.2	51.1	52.4	54.7	55.5	56.2	56.7	56.9	57.4	58.1	58.4	59.8	
GE 500	24.7	45.3	47.9	53.9	57.4	59.3	60.6	63.0	63.8	64.5	65.0	65.2	65.7	66.4	66.7	68.1	
GE 450	26.0	47.4	50.2	56.3	59.8	61.7	63.1	65.4	66.3	67.0	67.5	67.7	68.2	68.9	69.2	70.6	
GE 400	27.8	51.5	54.1	60.6	64.3	66.3	67.7	70.1	71.0	71.7	72.2	72.4	72.9	73.6	73.9	75.3	
GE 350	28.3	52.6	55.7	62.4	66.4	68.5	69.9	72.5	73.3	74.1	74.5	74.7	75.2	76.0	76.3	77.7	
GE 300	29.3	54.5	57.9	65.0	69.2	71.4	72.9	75.6	76.5	77.2	77.7	77.9	78.4	79.1	79.4	80.8	
GE 250	29.9	56.2	59.7	67.3	71.7	73.9	75.6	78.5	79.3	80.1	80.6	80.7	81.2	82.0	82.3	83.7	
GE 200	30.3	57.6	61.4	69.5	74.3	76.6	78.3	81.3	82.2	83.0	83.5	83.6	84.1	84.9	85.2	86.6	
GE 180	30.4	57.9	61.8	70.1	75.0	77.5	79.2	82.3	83.2	84.0	84.4	84.6	85.1	85.9	86.2	87.6	
GE 160	30.6	58.7	62.9	71.6	77.0	79.5	81.3	84.4	85.4	86.2	86.7	86.8	87.4	88.1	88.4	89.8	
GE 140	30.6	59.0	63.3	72.3	77.9	80.6	82.6	85.9	86.8	87.7	88.1	88.3	88.8	89.6	89.9	91.3	
GE 120	30.8	59.1	63.5	72.7	78.7	81.7	83.7	87.2	88.2	89.1	89.6	89.8	90.3	91.1	91.4	92.7	
GE 100	30.6	59.2	63.5	72.8	78.9	81.8	84.1	87.6	88.6	89.5	90.1	90.2	90.7	91.5	91.8	93.2	
GE 90	30.6	59.2	63.6	73.0	79.4	82.5	84.8	88.4	89.5	90.4	90.9	91.1	91.6	92.4	92.7	94.1	
GE 80	30.7	59.2	63.6	73.2	79.7	82.9	85.3	89.0	90.1	91.0	91.6	91.8	92.3	93.1	93.4	94.8	
GE 70	30.7	59.2	63.6	73.3	79.9	83.2	85.7	89.6	90.8	91.8	92.4	92.6	93.1	93.9	94.2	95.6	
GE 60	30.7	59.2	63.6	73.3	80.0	83.4	85.9	89.1	91.4	92.5	93.1	93.2	93.8	94.6	94.9	96.3	
GE 50	30.7	59.2	63.6	73.4	80.0	83.4	86.0	90.4	91.6	92.9	93.4	93.6	94.2	95.0	95.3	96.7	
GE 40	30.7	59.2	63.6	73.4	80.0	83.4	86.0	90.5	92.0	93.3	94.0	94.2	94.7	95.6	95.9	97.4	
GE 30	30.7	59.2	63.6	73.4	80.0	83.4	86.0	90.6	92.1	93.6	94.3	94.5	95.1	96.1	96.5	98.3	
GE 20	30.7	59.2	63.6	73.4	80.0	83.4	86.0	90.6	92.1	93.6	94.3	94.5	95.2	96.3	96.8	98.0	
GE 10	30.7	59.2	63.6	73.4	80.0	83.4	86.1	90.6	92.1	93.7	94.7	94.5	95.2	96.3	96.8	98.0	

TOTAL NUMBER OF OBSERVATIONS: 7411

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV HOURS(IST): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GL	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	60	60	48	40	32	24	20	16	12	10	8	5	4	0	0
NO CEIL	10.1	18.6	20.1	24.2	25.6	27.1	27.4	28.7	29.4	30.5	30.8	30.8	31.7	32.4	32.4	34.0	
GE 20000	11.3	21.1	22.8	26.9	28.5	30.3	30.7	32.1	32.9	34.1	34.5	34.5	35.4	36.0	36.0	37.7	
GE 18000	11.3	21.1	22.8	26.9	28.5	30.3	30.7	32.1	32.9	34.1	34.5	34.5	35.4	36.0	36.0	37.7	
GE 16000	11.3	21.1	22.8	26.9	28.5	30.3	30.7	32.1	32.9	34.1	34.5	34.5	35.4	36.0	36.0	37.7	
GE 14000	11.3	21.1	22.8	26.9	28.5	30.3	30.7	32.1	32.9	34.1	34.5	34.5	35.4	36.0	36.0	37.7	
GE 12000	11.9	21.9	23.6	27.7	29.3	31.0	31.5	32.9	33.7	34.9	35.3	35.3	36.2	36.8	36.8	38.5	
GE 10000	13.1	24.0	26.0	30.3	31.8	33.7	34.1	35.8	36.6	37.9	38.3	38.3	39.2	39.8	39.8	41.5	
GE 9000	17.4	30.1	32.1	36.8	38.4	40.3	41.0	43.3	44.0	45.4	45.7	45.7	46.6	47.3	47.3	48.9	
GE 8000	18.2	31.8	33.6	38.7	40.3	42.3	43.2	45.5	46.3	47.6	47.9	47.9	48.8	49.5	49.5	51.2	
GE 7000	18.5	32.1	34.1	39.0	40.6	42.6	43.5	45.8	46.6	47.9	48.3	48.3	49.2	49.8	49.8	51.5	
GE 6000	18.9	33.3	35.4	40.3	41.8	43.8	44.7	47.1	47.8	49.2	49.5	49.5	50.4	51.1	51.1	52.7	
GE 5000	20.7	41.6	43.8	48.7	50.4	52.4	53.3	55.6	56.4	57.7	58.1	58.1	59.0	59.6	59.6	61.3	
GE 4500	21.6	42.9	45.4	50.3	51.9	54.2	55.1	57.4	58.2	59.5	59.8	59.8	60.7	61.4	61.4	63.1	
GE 4000	22.7	46.7	49.6	55.1	56.7	59.0	59.8	62.2	63.1	64.4	64.7	64.7	65.6	66.3	66.3	68.0	
GE 3500	23.6	48.2	51.2	56.7	58.5	60.8	61.7	64.1	65.0	66.3	66.6	66.6	67.5	68.2	68.2	69.9	
GE 3000	24.5	50.6	54.4	60.1	61.8	64.3	65.3	67.9	68.7	70.1	70.4	70.4	71.3	72.0	72.0	73.6	
GE 2500	25.1	52.5	56.5	62.3	63.7	66.2	67.4	70.2	71.3	72.6	73.0	73.0	73.9	74.5	74.5	76.2	
GE 2000	26.3	55.6	59.4	65.6	67.4	69.9	71.4	74.4	75.6	77.1	77.4	77.4	78.3	79.0	79.0	80.6	
GE 1800	26.5	57.1	60.8	67.3	69.1	71.5	73.1	76.1	77.3	78.9	79.2	79.2	80.1	80.8	80.8	82.4	
GE 1500	26.9	58.4	62.3	69.6	71.7	74.2	76.1	79.3	80.5	82.1	82.4	82.4	83.3	84.0	84.0	85.7	
GE 1200	26.9	58.6	62.5	70.1	72.3	74.9	77.0	80.3	81.5	83.2	83.5	83.5	84.5	85.2	85.2	86.9	
GE 1000	26.9	58.7	62.6	70.5	73.2	75.9	78.1	81.4	82.8	84.5	84.9	84.9	85.9	86.5	86.5	88.2	
GE 900	26.9	58.8	62.7	70.9	73.7	76.4	78.6	82.2	83.5	85.3	85.7	85.7	86.7	87.3	87.3	89.0	
GE 800	26.9	59.0	63.0	71.2	74.4	77.3	79.5	83.2	84.6	86.4	86.8	86.8	87.8	88.4	88.4	90.1	
GE 700	26.9	59.2	63.2	71.4	74.7	77.6	79.9	83.6	85.1	86.9	87.2	87.2	88.2	88.9	88.9	90.5	
GE 600	26.9	59.2	63.2	71.5	75.1	78.2	80.4	84.2	85.7	87.4	87.8	87.8	88.8	89.4	89.4	91.1	
GE 500	26.9	59.2	63.2	71.5	75.2	78.4	80.8	84.8	86.2	88.2	88.5	88.5	89.5	90.2	90.2	91.9	
GE 400	26.9	59.2	63.2	71.5	75.2	78.4	81.0	85.4	86.9	89.0	89.3	89.3	90.3	91.0	91.0	92.7	
GE 300	26.9	59.2	63.2	71.7	75.4	78.6	81.2	86.1	87.8	90.0	90.3	90.3	91.5	92.2	92.3	94.0	
GE 200	26.9	59.2	63.2	71.7	75.4	78.6	81.2	86.4	88.2	90.8	91.1	91.1	92.7	93.3	93.5	95.2	
GE 100	26.9	59.2	63.2	71.7	75.4	78.6	81.2	86.4	88.2	90.8	91.1	91.1	92.8	93.9	94.3	96.0	
GE 0	26.9	59.2	63.2	71.7	75.4	78.6	81.2	86.4	88.2	90.8	91.1	91.1	92.8	93.9	94.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107387 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: NOV

HOURS(IST): 0300-0500

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 20	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	7.2	15.6	17.5	20.4	21.2	21.6	22.5	23.7	24.5	24.9	25.7	26.2	27.3	28.3	28.6	29.1
GE 2000	8.5	17.9	19.8	22.9	23.8	24.7	25.5	26.8	27.6	28.1	28.8	29.3	30.4	31.4	31.7	35.2
GE 1800	8.5	17.9	19.8	22.9	23.8	24.7	25.5	26.8	27.6	28.1	28.8	29.3	30.4	31.4	31.7	35.2
GE 1600	8.5	17.9	19.8	22.9	23.8	24.7	25.5	26.8	27.6	28.1	28.8	29.3	30.4	31.4	31.7	35.2
GE 1400	8.5	17.9	19.8	22.9	23.8	24.7	25.5	26.8	27.6	28.1	28.8	29.3	30.4	31.4	31.7	35.2
GE 1200	9.4	19.0	20.9	24.1	24.9	25.6	26.6	28.0	28.7	29.2	30.0	30.4	31.5	32.6	33.0	36.4
GE 1000	10.9	20.9	23.1	26.6	27.6	28.5	29.4	30.7	31.5	32.0	32.9	33.3	34.4	35.6	36.0	39.4
GE 900	14.5	26.8	29.0	32.6	33.6	34.7	35.6	37.5	38.3	38.8	39.6	40.1	41.3	42.4	42.8	46.2
GE 800	15.6	28.6	30.7	34.7	35.9	37.2	38.1	40.0	40.8	41.3	42.3	42.8	44.0	45.1	45.4	48.9
GE 700	15.8	29.1	31.2	35.2	36.3	37.6	38.5	40.4	41.2	41.8	42.8	43.2	44.4	45.5	45.9	49.3
GE 600	16.7	30.8	33.0	37.0	38.1	39.4	40.3	42.2	43.0	43.5	44.5	45.0	46.2	47.3	47.7	51.1
GE 500	17.4	37.0	39.2	43.7	45.1	46.7	47.7	49.6	50.3	50.9	51.9	52.3	53.6	54.7	55.0	58.5
GE 450	18.6	39.1	41.3	45.9	47.3	48.9	49.9	51.9	52.7	53.2	54.2	54.7	55.9	57.0	57.3	60.8
GE 400	19.9	41.6	44.2	49.1	50.6	52.3	53.3	55.5	56.2	56.8	57.8	58.2	59.5	60.6	60.9	64.4
GE 350	20.9	43.4	46.2	51.3	52.8	54.7	55.7	57.8	58.6	59.1	60.1	60.6	61.8	62.9	63.3	66.7
GE 300	22.0	46.8	49.7	55.7	57.2	59.2	60.2	62.6	63.4	63.9	64.9	65.4	66.6	67.7	68.0	71.5
GE 250	23.1	50.0	52.9	59.2	60.9	62.9	64.0	66.5	67.3	67.8	68.8	69.3	70.5	71.6	71.9	75.4
GE 200	23.3	51.4	54.6	61.2	63.1	65.5	66.7	69.3	70.3	70.8	71.8	72.5	73.7	74.8	75.2	78.6
GE 180	23.3	52.2	55.5	62.2	64.1	66.5	67.7	70.3	71.4	71.9	72.9	73.6	74.8	75.9	76.3	79.7
GE 150	23.8	53.9	57.5	64.5	66.8	69.3	70.6	73.3	74.4	75.1	76.1	76.7	78.0	79.1	79.4	82.9
GE 120	23.9	54.3	58.5	66.0	68.9	71.4	72.9	75.7	76.8	77.6	78.6	79.3	80.5	81.6	82.0	85.4
GE 100	23.9	54.3	58.5	66.1	69.2	71.7	73.3	76.4	77.5	78.3	79.3	80.0	81.2	82.3	82.6	86.1
GE 90	23.9	54.3	58.5	66.4	69.6	72.2	73.7	77.3	78.4	79.2	80.2	80.8	82.1	83.2	83.5	87.0
GE 80	23.9	54.3	58.6	66.8	70.0	72.6	74.4	78.4	79.5	80.4	81.4	82.1	83.3	84.4	84.7	88.2
GE 70	23.9	54.3	58.6	67.5	71.0	73.7	75.5	79.7	81.0	81.8	82.9	83.5	84.7	85.9	86.2	89.6
GE 60	23.9	54.3	58.6	67.7	71.6	74.5	76.3	81.0	82.2	83.1	84.1	84.7	86.0	87.1	87.4	90.9
GE 50	23.9	54.3	58.6	68.0	72.0	74.9	76.8	81.7	83.0	84.0	85.0	85.6	86.9	88.0	88.3	91.8
GE 40	23.9	54.3	58.6	68.2	72.2	75.2	77.5	82.7	84.0	85.1	86.1	86.7	88.0	89.1	89.4	92.9
GE 30	23.9	54.3	58.6	68.2	72.2	75.3	77.7	83.1	84.3	85.5	86.6	87.3	88.5	89.6	90.0	93.5
GE 20	23.9	54.3	58.6	68.2	72.2	75.3	77.7	83.1	84.6	85.9	87.3	88.3	89.2	90.5	91.0	94.4
GE 10	23.9	54.3	58.6	68.2	72.2	75.3	77.7	83.1	84.6	85.9	87.3	88.5	89.4	90.9	91.5	94.9
GE 0	23.9	54.3	58.6	68.2	72.2	75.3	77.7	83.1	84.6	85.9	87.3	88.5	89.4	90.9	91.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: NOV HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS																
	1	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51
NO CEIL	1	7.0	13.0	13.9	15.8	17.4	18.0	18.0	20.7	21.4	22.1	22.5	22.5	23.5	24.9	25.6	28.1
GE 20000	8.5	15.4	16.2	18.7	20.4	21.4	21.4	24.4	25.1	26.0	26.4	26.4	27.5	28.9	29.6	32.1	
GE 18000	8.5	15.4	16.2	18.7	20.4	21.4	21.4	24.4	25.1	26.0	26.4	26.4	27.5	28.9	29.6	32.1	
GE 16000	8.5	15.4	16.2	18.7	20.4	21.4	21.4	24.4	25.1	26.0	26.4	26.4	27.5	28.9	29.6	32.1	
GE 14000	8.5	15.4	16.2	18.7	20.4	21.4	21.4	24.4	25.1	26.0	26.4	26.4	27.5	28.9	29.6	32.1	
GE 12000	9.0	16.5	17.4	19.9	21.6	22.6	22.6	25.7	26.5	27.4	27.7	27.7	28.8	30.3	30.9	33.5	
GE 10000	11.0	19.1	20.0	22.8	24.8	25.9	25.9	29.3	30.1	31.1	31.5	31.5	32.6	34.0	34.7	37.3	
GE 9000	15.7	25.9	26.9	29.8	32.0	33.6	33.8	37.4	38.6	39.8	40.2	40.2	41.3	42.7	43.4	45.9	
GE 8000	17.0	27.6	28.6	31.6	34.3	35.9	36.2	39.7	40.9	42.2	42.5	42.5	43.8	45.4	46.1	48.6	
GE 7000	17.1	28.3	29.3	32.3	34.9	36.6	36.8	40.4	41.6	42.8	43.2	43.2	44.5	46.1	46.7	49.3	
GE 6000	17.7	28.9	29.9	32.9	35.6	37.3	37.5	41.0	42.3	43.5	43.8	43.8	45.2	46.7	47.4	49.9	
GE 5000	19.0	34.5	35.5	38.7	41.3	43.2	43.4	46.9	48.2	49.4	49.7	49.7	51.1	52.6	53.3	55.8	
GE 4000	19.8	35.7	36.7	39.9	42.7	44.4	44.6	48.2	49.4	50.6	50.9	50.9	52.3	53.8	54.5	57.1	
GE 3000	21.2	38.7	40.0	43.5	46.5	48.2	48.4	51.9	53.2	54.4	54.7	54.7	56.1	57.6	58.3	60.8	
GE 2000	22.0	40.4	41.9	45.5	48.6	50.3	50.5	54.2	55.4	56.6	57.0	57.0	58.3	59.8	60.5	63.1	
GE 1000	23.2	43.0	44.6	48.9	52.5	54.2	54.4	58.1	59.3	60.5	60.8	60.8	62.2	63.7	64.4	67.0	
GE 2500	24.4	46.2	47.9	53.3	57.1	58.7	59.1	62.7	64.0	65.3	65.6	65.6	67.0	68.5	69.2	71.7	
GE 2000	24.8	48.4	50.4	56.1	60.1	61.7	62.2	66.2	67.7	69.2	69.5	69.5	70.9	72.5	73.2	75.9	
GE 1800	25.0	48.7	50.9	57.1	61.1	62.6	63.4	67.4	69.0	70.4	70.7	70.7	72.1	73.7	74.4	77.1	
GE 1500	25.3	49.6	52.4	58.7	63.1	65.1	65.7	69.7	71.5	73.1	73.4	73.4	74.7	76.4	77.1	79.8	
GE 1200	25.5	50.5	53.6	60.6	65.3	67.4	68.2	72.5	74.5	76.1	76.4	76.4	77.8	79.4	80.1	82.8	
GE 1000	25.5	50.7	53.9	61.5	66.5	68.7	69.7	74.3	76.5	78.1	78.4	78.4	79.8	81.4	82.1	84.8	
GE 900	25.5	50.7	53.9	61.7	66.9	69.3	70.3	75.0	77.2	78.8	79.1	79.1	80.4	82.1	82.8	85.4	
GE 800	25.5	50.8	54.1	62.1	67.2	69.6	70.7	75.9	78.2	79.8	80.1	80.1	81.4	83.2	83.9	86.5	
GE 700	25.5	50.8	54.2	62.3	67.6	70.2	71.9	77.0	79.3	80.9	81.2	81.2	82.5	84.3	85.0	87.7	
GE 600	25.5	50.8	54.2	62.3	68.1	70.9	72.5	78.0	80.4	82.1	82.5	82.5	83.8	85.8	86.4	89.1	
GE 500	25.5	50.8	54.2	62.3	68.4	71.3	73.2	79.2	81.6	83.4	83.9	84.0	85.4	87.2	87.9	90.5	
GE 400	25.5	50.8	54.2	62.3	68.4	71.5	73.4	79.5	82.1	84.0	84.4	84.5	86.0	87.8	88.4	91.1	
GE 300	25.5	50.8	54.2	62.3	68.4	71.5	73.4	79.8	82.4	84.3	84.7	84.7	86.1	88.0	88.6	91.3	
GE 200	25.5	50.8	54.2	62.3	68.4	71.5	73.5	80.0	82.6	84.5	84.9	84.9	86.3	88.2	88.8	91.5	
GE 100	25.5	50.8	54.2	62.3	68.4	71.5	73.5	80.0	82.8	84.7	85.2	85.2	86.6	88.5	89.1	91.8	
GE 0	25.5	50.8	54.2	62.3	68.4	71.5	73.5	80.0	82.8	84.7	85.2	85.2	86.6	88.5	89.1	91.8	

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107387 STATION NAME: STUTTGART GERMANY

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

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	61 160	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90	67 90
NO CEIL	6.4	11.1	12.3	15.0	19.0	20.6	21.9	25.1	25.9	26.9	27.2	27.4	27.7	28.2	28.4	30.2
GE 20000	9.1	15.9	17.3	20.9	25.4	27.3	28.9	32.8	33.9	34.9	35.1	35.3	35.8	36.3	36.5	38.4
GE 18000	9.1	15.9	17.3	20.9	25.4	27.3	28.9	32.8	33.9	34.9	35.1	35.3	35.8	36.3	36.5	38.4
GE 16000	9.1	15.9	17.3	20.9	25.4	27.3	28.9	32.8	33.9	34.9	35.1	35.3	35.8	36.3	36.5	38.4
GE 14000	9.1	15.9	17.3	20.9	25.4	27.3	28.9	32.8	33.9	34.9	35.1	35.3	35.8	36.3	36.5	38.4
GE 12000	9.9	17.0	18.4	22.2	26.7	28.6	30.3	34.3	35.3	36.3	36.5	36.8	37.2	37.8	38.0	39.9
GE 10000	12.4	19.6	21.8	25.7	30.2	32.1	33.9	37.9	39.0	40.0	40.2	40.4	40.9	41.5	41.7	43.6
GE 9000	17.1	24.9	26.9	31.3	36.0	38.1	40.2	44.8	45.9	47.2	47.4	47.6	48.0	48.6	48.8	50.7
GE 8000	18.0	26.0	28.3	32.6	37.8	40.2	42.5	47.3	48.6	49.9	50.2	50.4	50.8	51.4	51.6	53.5
GE 7000	18.0	26.0	28.3	32.7	37.9	40.3	42.6	47.4	48.7	50.1	50.3	50.5	50.9	51.5	51.7	53.6
GE 6000	18.4	26.7	28.9	33.4	38.7	41.1	43.4	48.2	49.5	50.8	51.1	51.3	51.7	52.3	52.5	54.4
GE 5000	19.7	30.6	33.0	37.4	42.7	45.1	47.4	52.3	53.6	55.0	55.2	55.4	55.9	56.4	56.6	58.5
GE 4500	20.7	32.0	34.5	39.0	44.2	46.7	49.2	54.1	55.4	56.8	57.0	57.2	57.7	58.2	58.4	60.3
GE 4000	21.9	35.0	37.8	42.6	47.8	50.4	53.3	58.4	59.8	61.1	61.3	61.6	62.0	62.6	62.8	64.7
GE 3500	22.6	36.5	39.7	44.5	49.7	52.3	55.2	60.6	61.9	63.2	63.5	63.7	64.1	64.7	64.9	66.8
GE 3000	23.5	39.1	42.5	47.9	53.6	56.4	59.3	64.9	66.3	67.6	67.8	68.0	68.5	69.1	69.3	71.2
GE 2500	23.7	40.6	44.0	50.1	56.2	59.0	62.0	67.9	69.3	70.6	70.8	71.1	71.5	72.1	72.3	74.2
GE 2000	24.2	42.3	45.9	52.5	59.1	62.5	65.6	71.7	73.2	74.5	74.7	75.0	75.4	76.1	76.3	78.2
GE 1800	24.2	42.8	46.6	53.3	59.9	63.2	66.6	72.7	74.3	75.6	75.8	76.1	76.5	77.2	77.4	79.3
GE 1600	24.5	43.8	47.9	54.7	61.7	65.4	68.7	75.2	76.8	78.1	78.3	78.5	79.0	79.7	79.9	81.8
GE 1400	24.5	44.0	48.4	56.1	63.1	66.9	70.5	77.4	79.1	80.4	80.7	81.0	81.3	82.0	82.2	84.1
GE 1200	24.5	44.1	48.8	56.9	64.2	68.4	72.2	79.2	80.9	82.5	82.7	82.9	83.4	84.0	84.2	86.1
GE 1000	24.5	44.1	48.8	57.1	64.8	69.1	73.0	80.0	81.7	83.2	83.5	83.7	84.1	84.8	85.0	86.9
GE 900	24.5	44.1	48.9	57.7	65.4	69.6	73.5	80.7	82.8	84.6	84.9	85.1	85.6	86.3	86.5	88.4
GE 800	24.5	44.2	49.1	58.0	65.8	70.4	74.6	81.9	84.2	86.0	86.4	86.6	87.0	87.7	87.9	89.8
GE 700	24.5	44.2	49.1	58.2	66.3	70.8	75.1	82.6	85.0	87.0	87.4	87.6	88.0	88.7	88.9	90.8
GE 600	24.5	44.2	49.1	58.3	66.5	71.1	75.4	83.7	86.1	88.4	88.8	89.2	89.6	90.3	90.5	92.4
GE 500	24.5	44.2	49.1	58.3	66.7	71.3	76.0	84.5	86.9	89.2	89.6	89.9	90.4	91.1	91.3	93.2
GE 400	24.5	44.2	49.1	58.3	66.7	71.3	76.0	85.0	87.6	90.1	90.6	90.9	91.5	92.4	92.6	94.5
GE 300	24.5	44.2	49.1	58.3	66.7	71.3	76.0	85.0	87.8	90.3	90.9	91.3	92.2	93.2	93.5	96.9
GE 200	24.5	44.2	49.1	58.3	66.7	71.3	76.0	85.0	87.8	90.3	90.9	91.3	92.2	93.3	93.6	100.0
GE 100	24.5	44.2	49.1	58.3	66.7	71.3	76.0	85.0	87.8	90.3	90.9	91.3	92.2	93.3	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: NOV

HOURS(1ST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	1	6	9	10	12	14	16	18	20	24	28	32	36	40	48	60
NO CEIL	9.1	17.6	20.3	24.8	27.0	27.7	28.5	29.3	29.7	30.0	30.2	30.2	30.5	30.7	30.7	31.1
GE 20000	13.2	24.9	28.0	33.7	36.8	37.7	38.6	39.3	39.8	40.1	40.2	40.2	40.6	40.8	40.8	41.1
GE 18000	13.2	24.9	28.0	33.7	36.8	37.7	38.6	39.3	39.8	40.1	40.2	40.2	40.6	40.8	40.8	41.1
GE 16000	13.2	24.9	28.0	33.7	36.8	37.7	38.6	39.3	39.8	40.1	40.2	40.2	40.6	40.8	40.8	41.1
GE 14000	13.2	24.9	28.0	33.7	36.8	37.7	38.6	39.3	39.8	40.1	40.2	40.2	40.6	40.8	40.8	41.1
GE 12000	13.2	24.9	28.0	33.7	36.8	37.7	38.6	39.3	39.8	40.1	40.2	40.2	40.6	40.8	40.8	41.1
GE 10000	15.8	28.8	32.1	38.2	41.3	42.2	43.0	43.8	44.3	44.6	44.7	44.7	45.1	45.3	45.3	45.6
GE 9000	19.7	34.1	37.4	44.2	47.6	48.9	50.4	51.3	51.8	52.1	52.2	52.2	52.6	52.8	52.8	53.1
GE 8000	20.6	35.5	39.0	46.0	49.6	50.8	52.4	53.3	53.7	54.0	54.1	54.1	54.5	54.7	54.7	55.0
GE 7000	20.6	35.5	39.0	46.1	49.7	50.9	52.5	53.4	53.8	54.1	54.3	54.3	54.6	54.8	54.8	55.2
GE 6000	21.4	36.4	39.9	47.0	50.6	51.8	53.4	54.3	54.7	55.0	55.2	55.2	55.5	55.7	55.7	56.1
GE 5000	22.8	41.6	45.1	52.2	55.8	57.1	58.7	59.8	60.2	60.5	60.7	60.7	61.0	61.2	61.2	61.5
GE 4500	23.9	43.3	46.7	53.9	57.5	58.7	60.4	61.4	61.9	62.2	62.3	62.3	62.7	62.9	62.9	63.2
GE 4000	25.1	46.4	49.9	57.5	61.1	62.3	64.1	65.2	65.7	66.0	66.1	66.1	66.5	66.7	66.7	67.2
GE 3500	26.5	48.8	52.6	60.4	64.1	65.4	67.3	68.4	68.8	69.2	69.3	69.3	69.6	69.8	69.8	70.3
GE 3000	28.1	51.2	55.6	63.9	67.7	69.1	71.1	72.3	72.8	73.1	73.2	73.2	73.5	73.8	73.8	74.2
GE 2500	29.1	53.7	58.1	66.7	71.0	72.4	74.4	75.9	76.3	76.7	76.8	76.8	77.1	77.4	77.4	77.8
GE 2000	30.2	55.6	60.3	70.1	74.7	76.2	78.3	79.9	80.4	80.7	80.8	80.8	81.2	81.4	81.4	81.8
GE 1800	30.4	56.2	61.1	71.1	75.7	77.2	79.3	81.1	81.5	81.8	82.0	82.0	82.3	82.5	82.5	83.0
GE 1500	30.6	57.8	63.5	74.0	78.8	80.4	82.5	84.5	85.0	85.4	85.5	85.5	85.9	86.1	86.1	86.5
GE 1200	30.7	58.4	64.5	75.6	80.6	82.2	84.3	86.8	87.2	87.7	87.8	87.8	88.1	88.3	88.3	88.6
GE 1000	30.8	58.9	65.1	77.2	82.8	84.4	86.8	89.5	90.0	90.6	90.6	90.7	91.0	91.3	91.3	91.7
GE 900	30.8	58.9	65.1	77.4	83.1	84.8	87.3	90.0	90.6	91.1	91.3	91.3	91.6	91.8	91.8	92.3
GE 800	30.8	58.9	65.2	77.6	83.4	85.3	88.0	90.8	91.7	92.4	92.5	92.5	92.8	93.0	93.0	93.5
GE 700	30.8	58.9	65.4	77.8	84.3	86.3	89.0	92.2	93.0	93.8	94.9	94.9	95.3	95.5	95.5	96.0
GE 600	30.8	58.9	65.4	77.8	84.4	86.7	89.5	92.6	93.7	94.6	94.7	94.7	95.1	95.3	95.3	95.7
GE 500	30.8	58.9	65.4	77.8	84.4	86.7	89.6	92.8	94.1	95.3	95.4	95.4	95.7	96.0	96.0	96.4
GE 400	30.8	58.9	65.4	77.8	84.4	86.7	89.6	93.2	94.6	96.1	96.2	96.2	96.5	96.7	96.7	97.2
GE 300	30.8	58.9	65.4	77.8	84.4	86.7	89.6	93.2	94.6	96.3	96.6	96.9	97.3	97.8	97.8	98.2
GE 200	30.8	58.9	65.4	77.8	84.4	86.7	89.6	93.2	94.6	96.4	96.9	97.2	97.8	98.4	98.4	99.3
GE 100	30.8	58.9	65.4	77.8	84.4	86.7	89.6	93.2	94.6	96.4	96.9	97.2	97.9	98.7	98.8	100.0
GE 01	30.8	58.9	65.4	77.6	84.4	86.7	89.6	93.2	94.6	96.4	96.9	97.2	97.9	98.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 992

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: NOV

HOURS(IST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1	6	9	6	6	6	6	6	6	6	6	6	6	6	6	6	
	1	16	9	60	60	48	40	32	24	20	16	12	10	8	5	4	
NO CEIL	11.3	19.2	21.5	25.6	27.0	28.0	28.7	29.9	33.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	
GE 20000	17.0	27.0	30.0	35.2	37.2	38.4	39.5	41.1	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	
GE 18000	17.0	27.0	30.0	35.2	37.2	38.4	39.5	41.1	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	
GE 16000	17.0	27.0	30.0	35.2	37.2	38.4	39.5	41.1	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	
GE 14000	17.0	27.0	30.0	35.2	37.2	38.4	39.5	41.1	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	
GE 12000	17.7	27.0	30.9	36.5	38.6	39.7	40.8	42.4	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	
GE 10000	19.1	29.8	33.1	38.0	40.9	42.1	43.2	44.9	45.6	46.2	46.2	46.2	46.2	46.2	46.2	46.2	
GE 9000	22.5	35.3	39.1	45.1	47.3	48.7	50.0	52.2	53.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	
GE 8000	23.6	36.7	40.8	47.2	49.7	51.0	52.5	54.7	55.5	56.0	56.0	56.0	56.0	56.0	56.0	56.0	
GE 7000	23.6	36.8	40.9	47.3	49.8	51.1	52.6	54.8	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	
GE 6000	24.0	37.4	41.6	48.1	50.6	51.9	53.4	55.6	56.4	56.9	56.9	56.9	56.9	56.9	56.9	56.9	
GE 5000	25.1	42.8	47.1	53.9	56.7	58.1	59.5	61.7	62.5	63.1	63.1	63.1	63.1	63.1	63.1	63.1	
GE 4500	26.0	44.1	48.3	55.1	57.9	59.3	60.9	63.1	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
GE 4000	28.7	48.7	53.0	60.1	62.9	64.2	65.8	68.0	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE 3500	30.3	51.2	55.6	62.6	65.4	66.8	68.5	70.7	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0	
GE 3000	32.1	54.1	58.9	66.7	69.6	71.4	73.3	75.8	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	
GE 2500	32.4	55.1	60.3	68.8	71.8	73.7	75.6	78.3	79.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	
GE 2000	33.1	57.7	63.0	72.3	75.6	78.0	80.4	83.1	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	
GE 1800	33.1	58.3	63.5	73.0	76.4	78.9	81.4	84.1	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	
GE 1600	33.3	59.3	64.8	75.3	79.0	81.5	84.1	87.1	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	
GE 1400	33.3	59.7	65.4	76.7	81.1	84.0	86.6	89.8	91.4	92.1	92.1	92.1	92.1	92.1	92.1	92.1	
GE 1200	33.3	59.7	65.9	77.9	82.3	85.5	88.0	91.3	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	
GE 1000	33.3	59.7	65.9	77.9	82.3	85.5	88.1	91.4	93.0	93.7	93.8	93.8	93.8	93.8	93.8	93.8	
GE 900	33.3	59.7	65.9	78.0	82.7	85.6	88.8	92.2	93.8	94.7	94.9	94.9	94.9	94.9	94.9	94.9	
GE 800	33.3	59.7	65.9	78.0	82.8	86.2	89.6	93.3	95.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	
GE 700	33.3	59.7	65.9	78.0	82.8	86.4	89.7	93.7	95.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	
GE 600	33.3	59.7	65.9	78.0	82.9	86.5	89.9	94.2	96.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	
GE 500	33.3	59.7	65.9	78.0	82.9	86.5	89.9	94.2	96.0	97.4	97.7	97.7	97.7	97.7	97.7	97.7	
GE 400	33.3	59.7	65.9	78.0	82.9	86.5	89.9	94.2	96.1	97.8	98.3	98.7	98.8	98.9	98.9	98.9	
GE 300	33.3	59.7	65.9	78.0	82.9	86.5	89.9	94.2	96.1	97.9	98.4	99.1	99.2	99.4	99.6	99.6	
GE 200	33.3	59.7	65.9	78.0	82.9	86.5	89.9	94.2	96.1	97.9	98.4	99.1	99.4	99.7	99.8	100.0	
GE 100	33.3	59.7	65.9	78.0	82.9	86.5	89.9	94.2	96.1	97.9	98.4	99.1	99.4	99.7	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 177360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87

MONTH: NOV HOURS(LOCAL): 1800-2000

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	11.8	21.1	22.8	27.7	30.2	31.5	31.5	32.6	32.8	33.1	33.3	33.4	33.4	33.5	33.5	33.7
GE 20000	14.5	25.2	27.6	33.3	35.9	38.1	38.4	39.6	39.8	40.2	40.3	40.4	40.4	40.5	40.5	40.7
GE 18000	14.5	25.2	27.6	33.3	35.9	38.1	38.4	39.6	39.8	40.2	40.3	40.4	40.4	40.5	40.5	40.7
GE 16000	14.5	25.2	27.6	33.3	35.9	38.1	38.4	39.6	39.8	40.2	40.3	40.4	40.4	40.5	40.5	40.7
GE 14000	14.5	25.2	27.6	33.3	35.9	38.1	38.4	39.6	39.8	40.2	40.3	40.4	40.4	40.5	40.5	40.7
GE 12000	15.1	25.9	28.3	34.4	37.2	39.4	39.7	41.0	41.2	41.5	41.6	41.7	41.7	41.9	41.9	42.1
GE 10000	16.4	27.6	30.4	36.5	39.3	41.7	42.1	43.3	43.5	43.9	44.8	44.1	44.1	44.2	44.2	44.4
GE 9000	20.0	33.8	36.6	43.0	46.1	48.7	49.0	50.2	50.4	50.8	50.9	51.0	51.0	51.1	51.1	51.3
GE 8000	20.6	35.3	38.1	44.8	48.1	50.7	51.0	52.2	52.5	52.8	52.9	53.0	53.0	53.1	53.1	53.3
GE 7000	20.9	35.5	38.3	45.0	48.3	50.9	51.2	52.5	52.7	53.0	53.1	53.2	53.2	53.3	53.3	53.6
GE 6000	21.4	36.3	39.2	45.9	49.2	51.8	52.1	53.3	53.6	53.9	54.7	54.1	54.1	54.2	54.2	54.5
GE 5000	23.2	44.7	47.3	54.0	57.5	60.0	60.4	61.6	61.8	62.2	62.3	62.4	62.4	62.5	62.5	62.7
GE 4500	23.8	45.8	48.8	55.5	58.9	61.6	62.1	63.3	63.5	63.8	64.0	64.1	64.1	64.2	64.2	64.4
GE 4000	26.1	50.1	53.6	61.2	64.6	67.3	67.9	69.1	69.3	69.6	69.8	69.9	69.9	70.0	70.0	70.2
GE 3500	27.1	51.9	55.5	63.4	66.9	69.5	70.1	71.3	71.5	71.9	72.0	72.1	72.1	72.2	72.2	72.4
GE 3000	28.1	55.1	59.0	67.4	71.4	74.1	74.7	76.1	76.3	76.7	76.8	76.9	76.9	77.0	77.0	77.2
GE 2500	28.8	57.4	62.3	71.0	75.2	77.9	78.5	79.9	80.2	80.6	80.7	80.8	80.8	80.9	80.9	81.1
GE 2000	29.1	59.8	65.1	74.6	78.8	81.5	82.1	83.6	83.9	84.3	84.4	84.5	84.5	84.6	84.6	84.8
GE 1800	29.1	60.5	65.7	75.4	79.9	82.6	83.3	84.7	85.0	85.4	85.5	85.6	85.6	85.7	85.7	85.9
GE 1500	29.5	61.9	67.4	77.8	82.6	85.5	86.3	87.9	88.3	88.6	88.7	88.8	88.8	89.0	89.0	89.2
GE 1200	29.5	62.5	68.2	79.0	84.0	86.9	87.7	89.4	89.7	90.1	90.2	90.3	90.3	90.4	90.4	90.6
GE 1000	29.5	62.7	68.4	79.7	85.2	88.1	89.2	91.0	91.3	91.6	91.7	91.9	91.9	92.0	92.0	92.2
GE 900	29.5	62.8	68.5	80.0	85.8	88.7	90.0	92.1	92.4	92.7	92.9	93.0	93.0	93.1	93.1	93.3
GE 800	29.5	62.8	68.5	80.2	86.2	89.2	90.4	92.6	93.0	93.4	93.5	93.6	93.6	93.8	93.8	94.0
GE 700	29.5	62.8	68.5	80.4	86.5	89.7	91.1	93.3	93.6	94.1	94.2	94.3	94.3	94.4	94.4	94.6
GE 600	29.5	62.8	68.5	80.4	86.6	90.1	91.4	93.8	94.1	94.6	94.8	94.9	94.9	95.0	95.0	95.2
GE 500	29.5	62.8	68.5	80.4	86.9	90.4	91.9	94.5	94.9	95.5	95.6	95.8	95.8	95.9	95.9	96.1
GE 400	29.5	62.8	68.5	80.5	87.2	90.6	92.1	94.8	95.2	96.0	96.1	96.2	96.2	96.3	96.3	96.5
GE 300	29.5	62.8	68.5	80.5	87.2	90.6	92.1	95.1	95.2	96.2	96.2	96.3	96.3	96.4	96.4	96.6
GE 200	29.5	62.8	68.5	80.5	87.2	90.6	92.1	95.1	95.2	96.2	96.3	96.4	96.4	96.5	96.5	96.8
GE 100	29.5	62.8	68.5	80.5	87.2	90.6	92.1	95.1	95.2	96.2	96.3	96.4	96.4	96.5	96.5	96.8
GE 0	29.5	62.8	68.5	80.5	87.2	90.6	92.1	95.1	95.2	96.2	96.3	96.4	96.4	96.5	96.5	96.8

TOTAL NUMBER OF OBSERVATIONS: 996

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 90	GE 10	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	GE 0
NO CEIL	10.0	19.4	21.2	25.9	27.8	29.0	29.6	31.4	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.7
GE 20000	12.5	22.8	24.7	30.2	32.5	33.9	34.6	36.6	37.4	37.4	37.5	37.5	37.5	37.5	37.6	38.2
GE 18000	12.5	22.8	24.7	30.2	32.5	33.9	34.6	36.6	37.4	37.4	37.5	37.5	37.5	37.5	37.6	38.2
GE 16000	12.5	22.8	24.7	30.2	32.5	33.9	34.6	36.6	37.4	37.4	37.5	37.5	37.5	37.5	37.6	38.2
GE 14000	12.5	22.8	24.7	30.2	32.5	33.9	34.6	36.6	37.4	37.4	37.5	37.5	37.5	37.5	37.6	38.2
GE 12000	13.3	23.6	25.5	31.0	33.3	34.6	35.4	37.4	38.2	38.2	38.3	38.3	38.3	38.3	38.4	39.0
GE 10000	15.0	26.3	28.3	33.7	36.1	37.4	38.2	40.2	41.0	41.0	41.1	41.1	41.1	41.1	41.2	41.8
GE 9000	19.0	32.1	34.1	39.9	42.5	44.2	45.0	47.2	48.1	48.2	48.3	48.3	48.3	48.3	48.6	49.1
GE 8000	20.5	34.2	36.4	42.2	44.9	46.7	47.4	49.7	50.6	50.7	50.8	50.8	50.8	50.8	51.0	51.6
GE 7000	20.5	34.2	36.4	42.2	44.9	46.7	47.4	49.7	50.6	50.7	50.8	50.8	50.8	50.8	51.0	51.6
GE 6000	21.3	35.2	37.6	43.4	46.1	47.9	48.7	50.9	51.8	51.9	52.0	52.0	52.0	52.0	52.2	52.8
GE 5000	23.3	43.1	45.5	51.4	54.2	56.0	56.8	59.0	59.9	60.0	60.1	60.1	60.1	60.1	60.4	60.9
GE 4500	25.5	46.5	49.3	55.3	58.2	60.1	60.9	63.3	64.1	64.3	64.4	64.4	64.4	64.4	64.6	65.1
GE 4000	26.9	50.6	53.3	60.0	62.9	64.8	65.6	67.9	68.9	69.0	69.2	69.2	69.2	69.2	69.4	70.0
GE 3500	27.6	51.8	54.6	61.6	64.5	66.4	67.1	69.5	70.5	70.6	70.7	70.7	70.7	70.7	70.9	71.6
GE 3000	28.3	54.1	57.0	64.5	67.4	69.7	70.6	72.9	73.9	74.1	74.2	74.2	74.2	74.2	74.4	75.1
GE 2500	28.5	56.6	59.5	67.1	70.0	72.4	73.3	75.8	76.9	77.1	77.2	77.2	77.2	77.2	77.4	78.1
GE 2000	29.3	60.1	63.3	71.6	74.6	77.3	78.3	80.8	82.1	82.2	82.3	82.3	82.3	82.3	82.5	83.2
GE 1800	29.3	61.2	64.5	73.2	76.4	79.2	80.2	82.9	84.1	84.2	84.3	84.3	84.3	84.3	84.5	85.2
GE 1500	30.1	63.4	66.7	76.1	79.6	82.6	83.9	86.6	88.0	88.3	88.4	88.4	88.4	88.4	88.6	89.3
GE 1200	30.2	63.9	67.5	77.2	81.4	84.4	85.7	88.5	89.9	90.2	90.3	90.3	90.3	90.3	90.5	91.2
GE 1000	30.2	64.1	67.7	78.1	82.3	85.3	86.6	89.4	90.8	91.1	91.2	91.2	91.2	91.2	91.4	92.1
GE 900	30.2	64.1	67.7	78.3	82.7	85.7	87.1	89.9	91.2	91.5	91.6	91.6	91.6	91.6	91.9	92.5
GE 800	30.2	64.3	67.8	78.6	83.4	86.5	88.0	90.8	92.1	92.5	92.7	92.7	92.7	92.7	92.9	93.5
GE 700	30.2	64.3	67.8	78.6	83.5	86.6	88.2	91.0	92.3	92.8	92.9	92.9	92.9	92.9	93.1	93.8
GE 600	30.2	64.3	67.8	78.8	83.9	87.1	88.6	91.6	93.0	93.4	93.5	93.5	93.5	93.5	93.8	94.4
GE 500	30.2	64.3	67.8	78.6	84.0	87.2	89.2	92.5	93.9	94.7	94.8	94.8	94.8	94.8	94.7	95.3
GE 400	30.2	64.3	67.8	78.8	84.0	87.2	89.2	92.8	94.2	94.7	94.8	94.9	94.9	94.9	95.1	95.8
GE 300	30.2	64.3	67.8	78.8	84.0	87.2	89.2	92.8	94.4	95.0	95.2	95.3	95.3	95.3	95.5	96.2
GE 200	30.2	64.3	67.8	78.8	84.0	87.2	89.2	92.9	94.8	95.7	96.0	96.1	96.1	96.1	96.4	97.4
GE 100	30.2	64.3	67.8	78.8	84.0	87.2	89.2	93.0	94.9	95.8	96.1	96.2	96.4	96.8	97.2	99.8

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN FEET	1 60	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 3	
NO CEIL	9.2	17.0	18.7	22.4	24.4	25.4	26.0	27.7	28.3	28.9	29.1	29.2	29.7	30.1	30.3	31.6	
GE 20000	11.8	21.3	23.3	27.7	30.1	31.4	32.2	34.1	34.8	35.4	35.6	35.7	36.2	36.7	36.9	38.2	
GE 18000	11.8	21.3	23.3	27.7	30.1	31.4	32.2	34.1	34.8	35.4	35.6	35.7	36.2	36.7	36.9	38.2	
GE 16000	11.8	21.3	23.3	27.7	30.1	31.4	32.2	34.1	34.8	35.4	35.6	35.7	36.2	36.7	36.9	38.2	
GE 14000	11.8	21.3	23.3	27.7	30.1	31.4	32.2	34.1	34.8	35.4	35.6	35.7	36.2	36.7	36.9	38.2	
GE 12000	12.5	22.2	24.3	28.8	31.2	32.0	33.3	35.3	36.0	36.5	36.8	36.9	37.4	37.9	38.1	39.4	
GE 10000	14.2	24.6	26.8	31.6	34.0	35.4	36.2	38.2	38.9	39.6	39.8	39.9	40.4	41.0	41.1	42.5	
GE 9000	18.2	30.4	32.8	37.8	40.4	42.1	43.1	45.5	46.3	47.0	47.2	47.3	47.8	48.3	48.5	49.9	
GE 8000	19.3	32.0	34.5	39.7	42.5	44.3	45.4	47.8	48.6	49.3	49.6	49.7	50.2	50.7	50.9	52.3	
GE 7000	19.4	32.2	34.7	40.0	42.8	44.6	45.6	48.0	48.8	49.6	49.8	49.9	50.5	51.0	51.2	52.6	
GE 6000	20.0	33.1	35.7	41.0	43.8	45.6	46.7	49.1	49.9	50.6	50.9	51.0	51.6	52.0	52.2	53.6	
GE 5000	21.4	39.4	42.1	47.5	50.5	52.3	53.4	55.8	56.6	57.3	57.6	57.7	58.2	58.6	58.8	60.2	
GE 4500	22.5	41.2	43.9	49.4	52.3	54.2	55.4	57.8	58.6	59.4	59.6	59.7	60.3	60.8	61.0	62.3	
GE 4000	24.1	44.7	47.7	53.6	56.6	58.6	59.8	62.3	63.1	63.8	64.1	64.2	64.7	65.3	65.5	66.8	
GE 3500	25.1	46.5	49.6	55.8	58.8	60.8	62.0	64.6	65.4	66.1	66.4	66.5	67.0	67.5	67.7	69.1	
GE 3000	26.2	49.3	52.7	59.4	62.7	64.8	66.1	68.8	69.7	70.4	70.7	70.8	71.3	71.8	72.0	73.4	
GE 2500	26.9	51.5	55.1	62.3	65.7	67.9	69.3	72.2	73.1	73.8	74.1	74.2	74.7	75.2	75.4	76.8	
GE 2000	27.5	53.9	57.7	65.5	69.2	71.6	73.1	76.1	77.2	77.9	78.2	78.3	78.9	79.4	79.6	81.0	
GE 1800	27.6	54.6	58.6	66.6	70.3	72.7	74.4	77.4	78.5	79.2	79.5	79.7	80.2	80.7	80.9	82.3	
GE 1500	28.0	56.0	60.3	68.8	72.9	75.5	77.2	80.5	81.6	82.5	82.8	82.9	83.4	84.0	84.2	85.6	
GE 1200	28.1	56.5	61.1	70.2	74.6	77.3	79.1	82.6	83.8	84.7	84.9	85.1	85.6	86.2	86.3	87.7	
GE 1000	28.1	56.7	61.4	71.0	75.7	78.5	80.5	84.0	85.3	86.3	86.6	86.7	87.2	87.8	88.0	89.3	
GE 900	28.1	56.7	61.4	71.2	76.1	78.9	81.0	84.7	86.0	86.9	87.2	87.4	87.9	88.5	88.6	90.0	
GE 800	28.1	56.7	61.5	71.5	76.6	79.5	81.7	85.6	87.0	88.0	88.3	88.5	89.0	89.6	89.8	91.1	
GE 700	28.1	56.8	61.6	71.7	77.0	80.1	82.5	86.5	87.9	89.1	89.4	89.6	90.0	90.6	90.8	92.1	
GE 600	28.1	56.8	61.6	71.8	77.3	80.6	82.9	87.2	88.7	89.9	90.7	90.9	91.3	91.5	91.6	93.0	
GE 500	28.1	56.8	61.6	71.9	77.5	80.6	83.3	87.9	89.5	90.8	91.1	91.3	91.7	92.4	92.6	94.0	
GE 400	28.1	56.8	61.6	71.9	77.6	80.9	83.6	88.4	90.0	91.4	91.6	91.9	92.5	93.1	93.2	94.6	
GE 300	28.1	56.8	61.6	71.9	77.6	81.0	83.6	88.6	90.4	92.0	92.5	92.7	93.4	94.0	94.2	95.6	
GE 200	28.1	56.8	61.6	71.9	77.6	81.0	83.6	88.7	90.6	92.4	93.0	93.3	94.1	94.8	95.1	96.4	
GE 100	28.1	56.8	61.6	71.9	77.6	81.0	83.6	88.7	90.6	92.4	93.0	93.3	94.2	95.2	95.6	96.8	
GE GT 28.1	56.8	61.6	71.9	77.6	81.0	83.6	86.7	90.6	92.4	93.0	93.3	94.2	95.2	95.6	96.6	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7171

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAL

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC HOURS(UTC): 0000-0200

CEILING		VISIBILITY IN HUNDREDS OF METERS																
IN	FEET	GE 1	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL		7.9	14.8	17.1	19.5	20.3	21.1	21.3	22.8	23.3	23.6	27.8	23.9	24.4	24.7	24.7	25.5	
GE 20000	8.8	16.9	19.6	22.0	23.1	23.9	24.1	25.9	26.6	27.2	27.4	27.5	28.0	28.3	28.3	29.2	29.2	
GE 18000	8.8	16.9	19.6	22.0	23.1	23.9	24.1	25.9	26.6	27.2	27.4	27.5	28.0	28.3	28.3	29.2	29.2	
GE 16000	8.8	16.9	19.6	22.0	23.1	23.9	24.1	25.9	26.6	27.2	27.4	27.5	28.0	28.3	28.3	29.2	29.2	
GE 14000	8.8	16.9	19.6	22.0	23.1	23.9	24.1	25.9	26.6	27.2	27.4	27.5	28.0	28.3	28.3	29.2	29.2	
GE 12000	9.4	17.8	20.5	22.8	23.9	24.8	25.0	26.7	27.5	28.0	28.2	28.3	28.9	29.2	29.2	29.2	29.2	
GE 10000	11.7	21.1	23.9	26.9	28.0	28.9	29.1	31.0	31.8	32.3	32.5	32.7	33.2	33.5	33.5	34.4	34.4	
GE 9000	15.8	27.4	30.5	33.6	34.9	36.0	36.2	38.3	39.0	39.7	39.9	40.0	40.5	40.9	40.9	41.8	41.8	
GE 8000	16.5	30.6	33.6	36.9	38.4	39.5	39.8	41.8	42.6	43.2	43.4	43.5	44.1	44.5	44.5	45.4	45.4	
GE 7000	16.5	30.7	33.7	37.0	38.5	39.7	39.9	41.9	42.7	43.3	43.5	43.6	44.2	44.6	44.6	45.5	45.5	
GE 6000	17.5	32.4	35.5	38.7	40.2	41.5	41.7	43.8	44.5	45.2	45.4	45.5	46.0	46.4	46.4	47.4	47.4	
GE 5000	18.5	40.5	43.6	47.2	48.8	50.2	50.4	52.5	53.2	53.9	54.1	54.2	54.7	55.2	55.2	56.1	56.1	
GE 4000	19.5	42.7	45.8	49.7	51.3	52.8	53.0	55.1	55.8	56.5	56.7	56.8	57.3	57.8	57.8	58.7	58.7	
GE 3000	20.8	45.8	49.1	53.2	55.0	56.6	56.9	58.9	59.7	60.3	60.6	60.7	61.2	61.6	61.6	62.6	62.6	
GE 2500	21.9	49.0	52.4	56.6	58.3	59.9	60.2	62.3	63.0	63.7	63.9	64.0	64.5	65.0	65.0	65.9	65.9	
GE 2000	23.5	53.8	57.3	62.0	63.8	65.4	65.8	68.3	69.1	69.7	69.9	70.0	70.6	71.0	71.0	72.0	72.0	
GE 1500	24.8	57.9	61.5	66.6	68.8	70.7	71.1	73.6	74.6	75.3	75.5	75.6	76.2	76.6	76.6	77.6	77.6	
GE 1000	25.4	61.1	65.0	71.3	73.6	75.6	76.2	78.7	79.7	80.5	80.8	80.9	81.5	81.9	81.9	83.0	83.0	
GE 800	25.5	61.7	66.5	72.6	75.2	77.3	77.8	80.3	81.4	82.1	82.4	82.5	83.1	83.5	83.5	84.6	84.6	
GE 600	25.5	62.7	67.9	75.0	77.5	79.5	80.1	82.7	83.7	84.5	85.0	85.1	85.7	86.1	86.1	87.2	87.2	
GE 400	25.5	63.3	69.1	77.0	79.6	81.7	82.5	85.2	86.3	87.1	87.6	87.8	88.4	88.8	88.8	89.9	89.9	
GE 300	25.5	63.3	69.5	78.7	81.4	83.5	84.6	87.4	88.6	89.4	89.7	90.2	90.7	91.2	91.2	92.2	92.2	
GE 200	25.5	63.3	69.6	78.8	81.6	83.7	84.8	87.6	89.0	90.1	90.8	91.1	91.6	92.0	92.0	93.1	93.1	
GE 100	25.5	63.3	69.6	79.0	81.8	84.1	85.2	88.0	89.7	90.8	91.6	91.8	92.3	92.8	92.8	93.9	93.9	
GE 50	25.5	63.5	69.8	79.4	82.7	85.0	86.2	89.0	90.7	92.0	92.8	93.0	93.5	94.0	94.0	95.0	95.0	
GE 20	25.5	63.5	69.8	79.8	83.4	85.9	87.3	90.5	92.2	93.8	94.5	94.7	95.3	95.7	95.7	96.8	96.8	
GE 10	25.5	63.6	69.9	80.0	83.5	86.0	87.4	91.1	93.2	94.8	95.7	95.9	96.6	97.2	97.2	98.3	98.3	
GE 5	25.5	63.6	69.9	80.0	83.5	86.0	87.4	91.1	93.4	95.2	96.0	96.2	97.1	97.7	97.7	98.8	98.8	

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC HOURS(IST): 0300-0500

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 6	GE 4	GE 0
NO CEIL		6.3	13.8	14.9	18.4	20.1	20.1	20.6	21.7	21.8	22.1	22.5	22.5	22.9	23.2	23.2	24.8
GE 20000	7.2	15.2	16.4	20.3	22.5	22.7	23.5	24.7	25.2	25.6	25.9	25.9	26.5	26.8	26.9	26.9	26.6
GE 18000	7.2	15.2	16.4	20.3	22.5	22.7	23.5	24.7	25.2	25.6	25.9	25.9	26.5	26.8	26.9	26.9	26.6
GE 16000	7.2	15.2	16.4	20.3	22.5	22.7	23.5	24.7	25.2	25.6	25.9	25.9	26.5	26.8	26.9	26.9	26.6
GE 14000	7.2	15.2	16.4	20.3	22.5	22.7	23.5	24.7	25.2	25.6	25.9	25.9	26.5	26.8	26.9	26.9	26.6
GE 12000	8.0	16.3	17.5	21.4	23.5	23.8	24.6	25.8	26.2	26.7	27.0	27.0	27.5	27.9	28.0	28.0	29.7
GE 10000	9.2	19.0	20.3	24.3	26.7	26.9	27.8	29.2	29.6	30.0	30.3	30.3	30.9	31.2	31.3	31.3	33.0
GE 9000	13.3	24.0	25.3	29.7	32.2	32.4	33.3	34.7	35.3	35.7	36.1	36.1	36.7	37.0	37.1	37.1	38.9
GE 8000	14.5	26.5	27.8	32.2	35.0	35.2	36.1	37.6	38.2	38.7	39.0	39.0	39.6	40.0	40.1	40.1	41.8
GE 7000	14.6	26.7	28.0	32.6	35.4	35.6	36.5	38.0	38.7	39.1	39.4	39.4	40.1	40.4	40.5	40.5	42.2
GE 6000	15.0	28.7	30.1	34.9	37.7	37.9	38.8	40.4	41.0	41.7	42.0	42.0	42.7	43.0	43.1	43.1	44.6
GE 5000	16.4	36.7	38.2	43.1	46.1	46.3	47.2	48.8	49.5	50.1	50.4	50.4	51.1	51.4	51.5	51.5	53.3
GE 4500	17.4	38.3	39.8	45.0	48.1	48.3	49.1	50.8	51.4	52.1	52.4	52.4	53.0	53.2	53.3	53.3	55.3
GE 4000	19.9	43.6	45.2	50.6	53.7	53.9	55.1	56.8	57.5	58.2	58.5	58.5	59.2	59.5	59.6	59.6	61.4
GE 3500	21.2	45.7	47.3	53.0	56.2	56.4	57.7	59.5	60.2	60.9	61.2	61.3	62.0	62.3	62.4	62.4	64.3
GE 3000	22.0	48.1	50.3	56.6	59.7	60.2	61.6	63.6	64.4	65.1	65.6	65.6	66.3	66.6	66.7	66.7	68.7
GE 2500	23.1	51.8	54.3	61.0	64.1	64.7	66.1	68.4	69.1	69.9	70.4	70.4	71.2	71.6	71.7	71.7	73.7
GE 2000	24.0	55.0	58.1	65.1	68.5	69.3	70.7	73.8	74.5	75.3	75.8	75.8	76.6	77.0	77.1	77.1	79.0
GE 1800	24.1	56.2	59.3	66.5	69.9	70.8	72.2	75.3	76.0	76.8	77.4	77.4	78.2	78.6	78.7	78.7	80.7
GE 1600	24.5	57.7	61.0	68.6	72.4	73.7	75.1	78.3	79.3	80.0	80.7	80.7	81.5	82.0	82.1	82.1	84.0
GE 1400	24.5	58.5	62.4	70.4	74.5	76.0	77.5	81.1	82.2	82.9	83.6	83.6	84.6	85.0	85.1	85.1	87.0
GE 1200	24.5	59.2	63.3	71.8	76.8	78.4	80.0	83.7	84.8	85.5	86.2	86.4	87.1	87.6	87.7	87.7	89.6
GE 1000	24.5	59.3	63.6	72.2	77.4	79.0	80.8	84.4	85.5	86.3	86.9	87.1	87.9	88.3	88.4	88.4	90.4
GE 900	24.5	59.3	63.7	72.7	77.9	79.6	81.3	85.7	86.3	87.1	87.8	88.2	89.0	89.4	89.5	89.5	91.5
GE 800	24.5	59.3	63.8	72.9	78.3	80.1	82.0	86.0	87.1	88.1	89.0	89.2	90.1	90.5	90.6	90.6	92.6
GE 700	24.5	59.3	63.8	72.9	78.5	80.6	82.4	86.5	87.7	88.7	89.5	89.7	90.6	91.0	91.1	91.1	93.1
GE 600	24.6	59.4	63.9	73.0	78.9	81.2	83.2	87.8	89.1	90.1	91.0	91.3	92.1	92.5	92.7	92.7	94.6
GE 500	24.6	59.4	63.9	73.1	79.0	81.5	83.5	88.3	89.6	90.6	91.6	91.8	92.7	93.1	93.2	93.2	95.1
GE 400	24.6	59.4	63.9	73.1	79.2	81.6	83.8	89.3	91.1	92.1	93.1	94.1	95.1	95.5	95.6	95.6	97.1
GE 300	24.6	59.4	63.9	73.1	79.2	81.6	83.8	89.3	91.1	92.1	93.1	94.1	95.1	95.5	95.6	95.6	97.1
GE 200	24.6	59.4	63.9	73.1	79.2	81.6	83.8	89.3	91.1	92.1	93.1	94.1	95.1	95.5	95.6	95.6	97.1
GE 100	24.6	59.4	63.9	73.1	79.2	81.6	83.8	89.3	91.1	92.1	93.1	94.1	95.1	95.5	95.6	95.6	97.1
GE 01	24.6	59.4	63.9	73.1	79.2	81.6	83.8	89.3	91.1	92.1	93.1	94.1	95.1	95.5	95.6	95.6	97.1

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC

HOURS(IST): 0600-0800

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0
NO CEIL	6.7	12.1	13.3	15.6	16.9	18.3	18.8	19.6	20.2	20.6	20.7	20.7	20.9	21.3	21.5	22.3
GE 20000	8.0	14.7	15.9	18.7	20.2	21.7	22.1	23.3	23.8	24.3	24.4	24.4	24.6	24.9	25.1	26.3
GE 18000	8.0	14.7	15.9	18.7	20.2	21.7	22.1	23.3	23.8	24.3	24.4	24.4	24.6	24.9	25.1	26.3
GE 16000	8.0	14.7	15.9	18.7	20.2	21.7	22.1	23.3	23.8	24.3	24.4	24.4	24.6	24.9	25.1	26.3
GE 14000	8.0	14.7	15.9	18.7	20.2	21.7	22.1	23.3	23.8	24.3	24.4	24.4	24.6	24.9	25.1	26.3
GE 12000	8.6	15.4	16.6	19.4	20.9	22.4	22.9	24.1	24.7	25.1	25.2	25.2	25.5	25.8	26.0	27.3
GE 10000	11.1	18.4	19.6	22.8	24.3	25.8	26.2	27.4	28.2	28.6	28.7	28.7	28.9	29.2	29.4	30.7
GE 9000	15.3	24.6	26.3	29.9	31.5	33.2	33.8	35.0	35.7	36.1	36.4	36.4	36.6	36.9	37.1	38.4
GE 8000	16.2	26.6	28.2	32.0	33.8	35.5	36.0	37.2	38.1	38.6	38.8	38.8	39.1	39.4	39.6	40.9
GE 7000	16.3	27.0	28.5	32.4	34.1	35.8	36.4	37.5	38.4	38.9	39.2	39.2	39.4	39.7	39.9	41.2
GE 6000	16.6	28.2	29.7	33.5	35.5	37.2	37.8	38.9	39.8	40.3	40.6	40.6	40.8	41.1	41.3	42.6
GE 5000	18.2	35.1	36.6	40.8	42.7	44.4	45.0	46.3	47.1	47.7	47.9	47.9	48.1	48.4	48.7	49.9
GE 4500	19.0	36.8	38.4	42.7	44.9	46.7	47.2	48.7	49.5	50.1	50.3	50.3	50.5	50.8	51.0	52.3
GE 4000	20.9	41.4	43.0	47.7	50.5	52.6	53.2	54.8	55.9	56.5	56.7	56.7	57.0	57.3	57.5	58.8
GE 3500	21.6	43.1	44.9	49.8	52.8	54.9	55.7	57.4	58.5	59.1	59.3	59.3	59.5	59.9	60.1	61.5
GE 3000	22.8	46.3	48.3	53.8	57.1	59.2	60.0	61.8	63.0	63.6	64.0	64.0	64.2	64.5	64.8	66.2
GE 2500	24.1	49.8	52.1	58.0	61.4	63.6	64.5	66.6	67.7	68.4	68.7	68.7	69.0	69.5	69.8	71.2
GE 2000	25.1	53.5	56.2	62.8	66.3	69.0	70.1	72.3	73.5	74.2	74.5	74.5	74.9	75.3	75.7	77.1
GE 1800	25.4	54.3	57.2	63.8	67.7	70.7	71.7	73.9	75.1	75.8	76.2	76.2	76.5	77.0	77.5	78.9
GE 1500	25.9	56.1	59.1	66.2	70.4	73.8	75.0	77.5	78.6	79.4	79.7	79.7	80.0	80.8	81.2	82.7
GE 1200	26.0	57.3	60.7	68.7	73.1	76.7	78.1	80.9	82.1	82.8	83.2	83.2	83.6	84.4	84.8	86.3
GE 1000	26.0	57.0	61.5	69.7	74.4	78.4	79.8	83.1	84.4	85.2	85.5	85.5	86.7	86.7	87.2	88.7
GE 900	26.0	57.8	61.7	69.9	74.6	78.9	80.5	83.8	85.2	86.1	86.4	86.4	86.8	87.6	88.0	89.5
GE 800	26.0	57.6	61.7	69.9	75.0	79.2	80.8	84.3	85.9	87.1	87.4	87.4	87.9	88.7	89.1	90.6
GE 700	26.0	57.8	61.8	70.6	75.6	79.9	81.6	85.2	86.8	88.0	88.3	88.3	88.9	89.6	90.1	91.6
GE 600	26.0	57.8	61.8	70.8	76.1	80.7	82.4	86.2	87.9	89.1	89.4	89.4	90.0	90.7	91.2	92.7
GE 500	26.0	57.8	61.8	70.9	76.6	81.2	83.0	87.2	88.9	90.2	90.7	90.7	91.3	92.0	92.4	94.0
GE 400	26.0	57.8	61.8	71.1	76.9	81.6	83.4	87.8	89.6	91.0	91.6	91.6	92.2	93.0	93.4	94.9
GE 300	26.0	57.8	61.9	71.1	77.0	81.8	83.7	88.7	90.7	92.1	92.6	92.6	93.4	94.4	94.9	96.4
GE 200	26.0	57.8	61.8	71.1	77.1	82.0	84.0	89.2	91.5	93.0	93.7	93.7	94.5	95.7	96.3	97.8
GE 100	26.0	57.8	61.8	71.1	77.1	82.0	84.0	89.3	91.6	93.1	94.1	94.2	95.0	96.3	97.0	98.9
GE 0	26.0	57.8	61.8	71.1	77.1	82.0	84.0	89.3	91.6	93.1	94.1	94.2	95.0	96.3	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107300 STATION NAME: STUTTGART GERMANY

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

CEILING		VISIBILITY IN HUNDREDS OF METERS														
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	6.5	10.7	10.9	14.2	16.1	17.3	17.9	19.0	19.5	20.0	20.0	20.0	20.2	20.4	20.4	21.2
GE 20000	9.8	15.0	15.9	20.0	22.1	23.4	24.2	26.1	26.8	27.4	27.4	27.5	27.7	28.1	28.1	29.4
GE 18000	9.8	15.0	15.9	20.0	22.1	23.4	24.2	26.1	26.8	27.4	27.4	27.5	27.7	28.1	28.1	29.4
GE 16000	9.8	15.0	15.9	20.0	22.1	23.4	24.2	26.1	26.8	27.4	27.4	27.5	27.7	28.1	28.1	29.4
GE 14000	9.8	15.0	15.9	20.0	22.1	23.4	24.2	26.1	26.8	27.4	27.4	27.5	27.7	28.1	28.1	29.4
GE 12000	10.9	16.7	17.7	21.7	23.9	25.2	26.0	27.9	28.7	29.2	29.2	29.3	29.7	30.1	30.1	31.4
GE 10000	12.8	19.3	20.3	24.3	26.9	28.4	29.2	31.6	32.4	32.9	33.9	33.0	33.4	33.8	33.8	35.1
GE 9000	17.7	26.4	27.6	32.2	35.7	37.4	38.5	41.2	42.0	42.5	42.5	42.9	43.2	43.6	43.6	44.9
GE 8000	17.9	27.6	28.9	33.8	37.7	39.6	40.8	43.7	44.6	45.3	45.3	45.6	45.9	46.3	46.3	47.7
GE 7000	18.0	27.7	29.1	34.0	37.9	39.8	41.0	43.9	44.8	45.6	45.6	45.9	46.2	46.7	46.7	48.0
GE 6000	18.4	28.1	29.6	34.6	38.7	40.7	41.9	45.0	45.9	46.7	46.7	47.0	47.3	47.8	47.8	49.1
GE 5000	19.6	32.5	34.0	39.1	43.5	45.5	46.7	49.8	50.8	51.6	51.6	51.9	52.2	52.7	52.7	54.0
GE 4500	20.6	34.0	35.6	40.7	45.0	47.1	48.3	51.6	52.6	53.3	53.3	53.7	54.0	54.4	54.4	55.7
GE 4000	22.8	38.7	40.3	45.6	50.1	52.3	53.7	57.3	58.2	59.0	59.0	59.3	59.7	60.1	60.1	61.4
GE 3500	24.8	42.4	44.5	49.9	54.5	56.9	58.2	61.9	63.0	63.8	63.8	63.9	64.3	64.7	65.2	66.5
GE 3000	26.5	46.2	48.3	54.5	59.1	61.5	62.9	66.8	68.4	69.4	69.6	70.0	70.3	70.9	70.9	72.2
GE 2500	27.6	49.2	51.4	58.6	63.6	66.3	67.8	72.1	73.8	74.8	75.7	75.5	75.8	76.3	76.3	77.6
GE 2000	28.1	50.5	52.8	60.3	66.0	68.8	70.7	74.9	76.8	77.8	78.0	78.4	78.7	79.3	79.3	80.6
GE 1800	28.6	51.5	54.0	61.8	67.5	70.3	72.2	76.4	78.3	79.3	79.5	79.9	80.3	80.8	80.8	82.1
GE 1500	29.2	53.2	55.8	64.2	70.6	73.6	75.7	80.2	82.2	83.5	83.8	84.2	84.6	85.1	85.1	86.4
GE 1200	29.6	53.7	56.5	65.4	72.1	75.1	77.4	82.3	84.5	85.9	86.2	86.6	86.9	87.5	87.5	88.8
GE 1000	29.6	53.8	56.7	65.6	72.7	75.8	78.3	83.5	85.7	87.1	87.5	87.9	88.2	88.8	88.8	90.1
GE 900	29.6	53.8	56.9	66.0	73.1	76.2	78.7	84.0	86.2	87.6	87.9	88.3	88.7	89.2	89.2	90.5
GE 800	29.6	53.8	56.9	66.4	73.6	76.8	79.4	84.7	86.9	88.4	88.8	89.2	89.5	90.1	90.1	91.4
GE 700	29.6	54.0	57.3	67.2	74.5	77.6	80.6	85.9	88.1	89.9	90.2	90.6	90.9	91.5	91.5	92.8
GE 600	29.6	54.0	57.3	67.2	74.5	77.6	80.6	86.3	88.8	90.7	91.1	91.5	91.8	92.4	92.4	93.7
GE 500	29.6	54.0	57.3	67.2	74.6	77.9	80.7	86.5	89.2	91.2	91.7	92.0	92.4	92.9	92.9	94.2
GE 400	29.6	54.0	57.3	67.2	74.6	77.9	80.7	86.8	89.9	92.0	92.4	92.9	93.2	93.8	93.8	95.2
GE 300	29.6	54.0	57.3	67.2	74.6	77.9	80.7	87.2	90.6	93.6	94.1	94.9	95.9	96.7	96.7	98.9
GE 200	29.6	54.0	57.3	67.2	74.6	77.9	80.7	87.2	90.6	93.7	94.3	95.1	96.1	97.2	97.2	100.0
GE 100	29.6	54.0	57.3	67.2	74.6	77.9	80.7	87.2	90.6	93.7	94.3	95.1	96.1	97.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 217

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 197360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC HOU (LST): 1200-1400

CEILING IN FEET	VISIBILITY IN HUNDREDS OF METERS															
	GE 160	GE 200	GE 240	GE 280	GE 320	GE 360	GE 400	GE 440	GE 480	GE 520	GE 560	GE 600	GE 640	GE 680	GE 720	GE 760
NO CEIL	7.2	13.8	15.4	17.8	19.5	20.5	21.1	21.5	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.8
GE 20000	12.0	20.9	23.0	26.9	28.8	29.8	30.7	31.2	31.4	31.5	31.8	31.8	31.9	32.0	32.1	32.5
GE 18000	12.0	20.9	23.0	26.9	28.8	29.8	30.7	31.2	31.4	31.5	31.8	31.8	31.9	32.0	32.1	32.5
GE 16000	12.0	20.9	23.0	26.9	28.8	29.8	30.7	31.2	31.4	31.5	31.8	31.8	31.9	32.0	32.1	32.5
GE 14000	12.0	20.9	23.0	26.9	28.8	29.8	30.7	31.2	31.4	31.5	31.8	31.8	31.9	32.0	32.1	32.5
GE 12000	12.0	21.8	24.0	28.0	29.8	30.9	31.8	32.3	32.4	32.5	32.9	32.9	33.0	33.1	33.2	33.6
GE 10000	15.7	25.9	28.3	32.6	34.7	35.8	36.6	37.5	37.7	37.8	38.2	38.2	38.3	38.4	38.5	38.9
GE 9000	19.8	31.6	34.1	39.1	41.5	43.2	44.2	45.3	45.7	45.8	46.2	46.2	46.3	46.4	46.5	46.9
GE 8000	20.3	33.1	35.6	41.0	43.6	45.4	46.4	47.7	48.2	48.3	48.6	48.6	48.8	48.9	49.0	49.4
GE 7000	20.3	33.1	35.6	41.0	43.6	45.4	46.4	47.7	48.2	48.3	48.6	48.6	48.8	48.9	49.0	49.4
GE 6000	20.9	33.9	36.4	41.9	44.5	46.4	47.7	49.5	50.2	50.3	50.7	50.7	50.8	50.9	51.0	51.5
GE 5000	22.4	39.8	42.3	47.8	50.4	52.2	53.5	55.5	56.1	56.2	56.6	56.6	56.8	56.9	57.0	57.4
GE 4500	23.5	41.6	44.1	49.7	52.4	54.3	55.6	57.5	58.2	58.3	58.7	58.7	58.8	58.9	59.0	59.5
GE 4000	26.5	47.0	49.7	55.5	58.4	60.5	61.8	64.0	64.8	64.9	65.3	65.3	65.4	65.5	65.6	66.1
GE 3500	27.7	49.7	52.5	58.5	61.4	63.6	64.9	67.4	68.1	68.2	68.6	68.6	68.8	68.9	69.0	69.5
GE 3000	30.4	54.9	57.8	64.2	67.2	69.6	70.9	73.4	74.2	74.4	75.8	75.1	75.2	75.4	75.5	75.9
GE 2500	31.9	59.4	62.3	68.9	72.2	74.6	75.9	78.4	79.1	79.4	80.0	80.1	80.2	80.3	80.4	80.9
GE 2000	32.5	61.4	64.3	71.5	75.1	77.5	78.8	81.4	82.2	82.4	83.0	83.2	83.4	83.5	83.6	84.0
GE 1800	32.5	61.9	64.9	72.1	76.0	78.6	79.9	82.7	83.6	83.8	84.4	84.6	84.8	84.9	85.0	85.4
GE 1600	33.0	63.5	67.0	74.4	78.9	81.5	82.8	86.1	86.9	87.2	87.9	88.1	88.2	88.3	88.4	88.9
GE 1400	33.4	64.8	68.2	75.8	80.6	83.2	85.0	88.5	89.4	89.7	90.5	90.7	90.8	90.9	91.0	91.5
GE 1200	33.4	65.1	68.6	76.5	81.5	84.1	85.8	89.4	90.3	90.9	91.7	91.9	92.1	92.2	92.3	92.8
GE 900	33.4	65.3	68.9	77.0	81.9	84.6	86.4	90.1	90.9	91.6	92.3	92.5	92.8	92.9	93.0	93.4
GE 800	33.4	65.3	68.9	77.0	81.9	84.6	86.7	90.5	91.5	92.2	93.0	93.3	93.7	93.8	93.9	94.4
GE 700	33.4	65.3	69.0	77.4	82.5	85.4	87.2	91.1	92.1	92.9	93.6	93.9	94.4	94.5	94.6	95.0
GE 600	33.4	65.3	69.1	77.5	82.6	85.6	87.6	92.2	93.3	94.1	94.9	95.2	95.7	95.8	95.9	96.3
GE 500	33.4	65.3	69.1	77.5	82.6	85.6	87.7	92.5	93.8	94.6	95.5	96.0	96.5	96.8	96.9	97.3
GE 400	33.4	65.3	69.1	77.5	82.6	85.6	87.7	92.9	94.3	95.4	96.2	96.8	97.3	97.5	97.6	98.1
GE 300	33.4	65.3	69.1	77.5	82.6	85.6	87.7	93.1	94.8	96.0	97.0	97.5	98.1	98.5	98.6	99.0
GE 200	33.4	65.3	69.1	77.5	82.6	85.6	87.7	93.2	95.0	96.3	97.3	97.8	98.5	99.1	99.2	99.7
GE 100	33.4	65.3	69.1	77.5	82.6	85.6	87.7	93.2	95.0	96.3	97.3	97.8	98.6	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 925

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC HOURS(LST): 1500-1700

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NO CEIL	1	8.2	13.6	14.8	16.7	18.2	18.6	19.1	19.5	19.7	19.7	20.0	20.0	20.0	20.1	20.1	20.3
GE 20000	14.7	23.0	24.6	27.4	29.8	30.4	31.0	31.4	31.6	31.6	31.8	31.8	32.0	32.1	32.1	32.5	
GE 18000	14.7	23.0	24.6	27.4	29.8	30.4	31.0	31.5	31.7	31.7	31.9	31.9	32.1	32.3	32.3	32.6	
GE 16000	14.7	23.0	24.6	27.4	29.8	30.4	31.0	31.5	31.7	31.7	31.9	31.9	32.1	32.3	32.3	32.6	
GE 14000	14.7	23.2	24.8	27.6	30.0	30.6	31.2	31.7	31.9	31.9	32.1	32.1	32.4	32.5	32.5	32.8	
GE 12000	15.3	24.2	25.8	28.6	31.0	31.6	32.1	32.7	32.9	32.9	33.1	33.1	33.3	33.4	33.4	33.8	
GE 10000	17.8	27.4	29.3	33.1	35.7	36.4	36.9	37.6	37.9	37.9	38.1	38.1	38.3	38.4	38.4	38.7	
GE 9000	21.1	33.4	35.5	39.3	41.9	42.8	43.4	44.4	44.8	44.8	45.0	45.0	45.2	45.3	45.3	45.6	
GE 8000	21.5	34.1	36.2	40.5	43.0	44.0	44.6	45.6	46.1	46.1	46.3	46.3	46.5	46.6	46.6	46.9	
GE 7000	21.7	34.3	36.5	40.7	43.3	44.2	44.8	45.8	46.3	46.3	46.6	46.6	46.8	46.9	46.9	47.2	
GE 6000	21.7	34.8	37.0	41.3	43.9	45.0	45.6	46.7	47.1	47.1	47.5	47.5	47.7	47.8	47.8	48.1	
GE 5000	23.6	42.2	44.3	48.7	51.3	52.4	53.1	54.2	54.6	54.6	54.9	54.9	55.1	55.2	55.2	55.6	
GE 4500	23.9	42.6	44.8	49.1	51.8	52.9	53.5	54.6	55.0	55.0	55.3	55.3	55.6	55.7	55.7	56.0	
GE 4000	27.0	47.8	50.2	54.5	57.5	58.7	59.3	60.4	60.8	60.8	61.2	61.2	61.4	61.5	61.6	61.9	
GE 3500	28.2	49.8	52.4	57.1	60.3	61.5	62.1	63.2	63.8	63.8	64.1	64.1	64.4	64.5	64.6	64.9	
GE 3000	31.0	54.9	57.6	62.6	66.5	67.6	68.3	69.5	70.1	70.1	70.4	70.4	70.8	70.9	71.0	71.3	
GE 2500	32.4	57.6	60.5	66.1	70.0	71.2	71.8	73.4	74.1	74.1	74.5	74.5	74.9	75.0	75.1	75.4	
GE 2000	33.9	60.9	63.9	70.6	74.4	75.9	76.6	78.6	79.5	79.6	80.0	80.2	80.5	80.6	80.7	81.0	
GE 1800	34.2	62.6	65.5	72.7	76.8	78.4	79.1	81.1	82.0	82.1	82.5	82.6	83.0	83.1	83.2	83.5	
GE 1600	34.6	64.6	68.1	76.5	81.2	83.0	83.7	86.3	87.3	87.5	87.9	88.0	88.3	88.5	88.6	88.9	
GE 1200	34.8	65.2	68.8	78.1	83.0	84.7	85.5	88.1	89.3	89.6	90.1	90.2	90.5	90.6	90.7	91.0	
GE 1000	35.0	65.6	69.3	78.9	83.7	85.4	86.3	89.5	91.0	91.7	92.1	92.2	92.6	92.7	92.8	93.1	
GE 900	35.0	65.7	69.4	79.2	84.1	86.0	86.8	90.3	92.0	92.7	93.1	93.2	93.5	93.6	93.7	94.1	
GE 800	35.0	65.8	69.5	79.3	84.3	86.2	87.1	90.7	92.4	93.1	93.5	93.7	94.2	94.3	94.4	94.7	
GE 700	35.0	65.8	69.6	79.9	85.1	87.1	88.1	91.8	93.7	94.4	94.8	95.0	95.5	95.6	95.7	96.0	
GE 600	35.0	65.8	69.8	79.9	85.1	87.2	88.3	92.6	94.5	95.3	95.8	96.0	96.4	96.5	96.7	97.0	
GE 500	35.0	65.8	69.8	79.9	85.1	87.3	88.5	93.1	95.1	96.1	96.8	97.0	97.4	97.5	97.6	98.0	
GE 400	35.0	65.8	69.8	79.9	85.1	87.3	88.5	93.2	95.3	96.3	97.1	97.3	97.7	97.8	98.0	98.3	
GE 300	35.0	65.8	69.8	79.9	85.1	87.3	88.5	93.3	95.4	96.4	97.4	97.7	98.2	98.3	98.4	98.7	
GE 200	35.0	65.8	69.8	79.9	85.1	87.3	88.5	93.3	95.4	96.7	97.8	98.2	98.6	98.7	98.8	99.2	
GE 100	35.0	65.8	69.8	79.9	85.1	87.3	88.5	93.3	95.4	96.7	97.8	98.2	98.6	98.8	98.9	100.0	
GE 0	35.0	65.8	69.8	79.9	85.1	87.3	88.5	93.3	95.4	96.7	97.8	98.2	98.6	98.8	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC

HOURS(IST): 1800-2400

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 90	GE 60	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
NO CEIL	8.3	15.3	17.6	19.5	20.3	20.4	20.6	20.6	20.8	20.8	20.8	20.8	20.9	20.9	20.9	21.2
GE 20000	10.9	19.3	22.4	25.6	26.5	26.6	26.8	27.2	27.2	27.2	27.3	27.3	27.5	27.5	27.5	27.8
GE 18000	10.9	19.3	22.4	25.6	26.5	26.6	26.8	27.2	27.2	27.2	27.3	27.3	27.5	27.5	27.5	27.8
GE 16000	10.9	19.3	22.4	25.6	26.5	26.6	26.8	27.2	27.2	27.2	27.3	27.3	27.5	27.5	27.5	27.8
GE 14000	10.9	19.3	22.4	25.6	26.5	26.6	26.8	27.2	27.2	27.2	27.3	27.3	27.5	27.5	27.5	27.8
GE 12000	11.4	20.2	23.4	26.6	27.6	27.7	27.9	28.2	28.2	28.2	28.3	28.3	28.6	28.6	28.6	28.9
GE 10000	14.8	24.7	28.4	32.3	33.4	33.5	33.7	34.2	34.2	34.2	34.3	34.7	34.5	34.5	34.5	34.8
GE 9000	18.6	31.8	35.7	39.5	40.6	40.7	40.9	41.5	41.5	41.5	41.6	41.6	41.8	41.8	41.8	42.1
GE 8000	19.6	33.4	37.3	41.2	42.2	42.5	42.6	43.3	43.3	43.3	43.4	43.4	43.8	43.8	43.8	44.1
GE 7000	19.6	33.4	37.3	41.2	42.2	42.5	42.6	43.3	43.3	43.4	43.5	43.5	43.9	43.9	43.9	44.2
GE 6000	20.2	34.7	38.6	42.6	43.6	43.9	44.2	44.7	44.7	44.8	44.9	44.9	45.3	45.3	45.3	45.6
GE 5000	21.2	42.1	46.1	50.1	51.2	51.4	51.7	52.3	52.3	52.4	52.5	52.5	52.8	52.8	52.8	53.1
GE 4500	22.2	44.5	48.5	52.5	53.6	53.8	54.1	54.6	54.6	54.7	54.8	54.8	55.2	55.2	55.2	55.5
GE 4000	25.2	50.6	54.8	59.2	60.6	61.0	61.3	61.9	61.9	62.0	62.1	62.2	62.5	62.5	62.5	62.9
GE 3500	27.0	53.7	58.0	62.4	63.8	64.2	64.5	65.5	65.5	65.7	65.8	65.9	66.3	66.3	66.3	66.8
GE 3000	28.4	57.5	62.1	66.8	68.4	68.9	69.2	70.2	70.2	70.5	70.6	70.7	71.0	71.1	71.1	71.7
GE 2500	29.1	60.1	65.2	70.5	72.4	72.6	73.2	74.1	74.1	74.5	74.6	74.7	75.0	75.1	75.1	75.6
GE 2000	30.1	62.8	68.4	75.1	77.0	77.5	77.8	78.9	78.9	79.3	79.5	79.6	80.0	80.1	80.1	80.7
GE 1800	30.4	64.0	69.6	76.7	78.9	79.3	79.6	80.7	80.8	81.3	81.5	81.6	81.9	82.0	82.0	82.7
GE 1500	30.6	65.6	71.9	81.0	83.7	84.3	84.6	85.7	85.8	86.2	86.4	86.5	87.0	87.1	87.1	87.7
GE 1200	30.8	66.5	73.3	83.4	86.3	86.9	87.3	88.6	88.8	89.2	89.4	89.5	90.0	90.1	90.1	90.7
GE 1000	30.8	67.1	73.9	84.6	87.6	88.4	88.9	90.3	90.6	91.2	91.4	91.5	91.9	92.0	92.0	92.7
GE 900	30.8	67.3	74.2	85.5	88.7	89.4	90.1	91.7	92.1	92.7	92.9	93.0	93.4	93.5	93.5	94.2
GE 800	30.8	67.5	74.6	86.1	89.4	90.2	90.8	92.6	93.0	93.5	93.8	93.9	94.3	94.4	94.4	95.0
GE 700	30.8	67.5	74.6	86.2	89.5	90.3	91.1	93.1	93.5	94.1	94.3	94.4	94.8	94.9	94.9	95.6
GE 600	30.8	67.5	74.6	86.7	90.4	91.2	92.2	94.5	94.9	95.5	95.7	95.8	96.2	96.3	96.3	97.0
GE 500	30.8	67.5	74.6	86.7	90.5	91.3	92.5	95.2	95.6	96.2	96.4	96.6	97.0	97.1	97.1	97.7
GE 400	30.8	67.5	74.6	86.7	90.5	91.3	92.5	95.2	95.6	96.3	96.6	96.7	97.2	97.3	97.3	98.0
GE 300	30.8	67.5	74.6	86.7	90.5	91.4	92.6	95.3	95.8	96.7	96.9	97.0	97.5	97.6	97.6	98.3
GE 200	30.8	67.5	74.6	86.7	90.6	91.5	92.7	95.4	95.9	97.0	97.2	97.3	97.8	98.0	98.0	98.7
GE 100	30.8	67.5	74.6	86.7	90.6	91.5	92.7	95.4	95.9	97.1	97.4	97.5	98.1	98.3	98.3	100.0
GE 0	30.8	67.5	74.6	86.7	90.6	91.5	92.7	95.4	95.9	97.1	97.4	97.5	98.1	98.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC

HOURS(IST): 2100-2300

CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	GE 160	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 8	GE 5	GE 4	GE 0
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NO CEIL	8.9	16.4	18.4	20.5	20.8	21.4	21.7	22.7	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.7
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GE 20000	11.5	20.6	23.2	25.6	26.0	26.8	27.1	28.4	28.5	28.6	28.6	28.7	28.7	28.7	28.7	29.4
GE 18000	11.3	20.6	23.2	25.6	26.0	26.8	27.1	28.4	28.5	28.6	28.6	28.7	28.7	28.7	28.7	29.4
GE 16000	11.3	20.6	23.2	25.6	26.0	26.8	27.1	28.4	28.5	28.6	28.6	28.7	28.7	28.7	28.7	29.4
GE 14000	11.3	20.6	23.2	25.6	26.0	26.8	27.1	28.4	28.5	28.6	28.6	28.7	28.7	28.7	28.7	29.4
GE 12000	12.1	21.7	24.4	26.8	27.3	28.1	28.4	29.7	29.8	29.9	29.9	30.0	30.0	30.0	30.0	30.7

GE 10000	13.9	24.7	27.4	30.3	31.1	31.9	32.4	33.7	33.8	33.8	33.9	34.0	34.0	34.0	34.0	34.7
GE 9000	17.3	31.1	34.2	37.3	38.1	38.9	39.4	40.8	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.8
GE 8000	18.0	33.2	36.3	39.3	40.3	41.0	41.6	43.0	43.1	43.2	43.2	43.3	43.3	43.3	43.3	44.0
GE 7000	18.0	33.2	36.3	39.3	40.3	41.0	41.6	43.0	43.1	43.2	43.2	43.3	43.3	43.3	43.3	44.0
GE 6000	18.4	33.9	37.1	40.2	41.3	42.1	42.7	44.1	44.2	44.3	44.3	44.4	44.4	44.4	44.4	45.0

GE 5000	19.4	42.5	46.0	49.2	50.3	51.2	51.7	53.1	53.2	53.3	53.3	53.5	53.5	53.5	53.5	54.1
GE 4500	20.3	44.8	48.4	51.6	52.7	53.6	54.1	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	56.5
GE 4000	21.9	49.6	53.3	57.3	58.5	59.4	60.0	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	62.4
GE 3500	23.2	52.4	56.2	60.4	61.8	62.6	63.3	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.7
GE 3000	24.9	56.9	61.0	66.2	67.7	68.6	69.2	70.8	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.9

GE 2500	26.1	61.3	65.6	71.8	73.4	74.5	75.2	76.8	76.9	77.0	77.0	77.1	77.1	77.1	77.1	77.9
GE 2000	27.0	64.0	69.0	75.9	77.5	78.6	79.3	81.0	81.1	81.2	81.3	81.4	81.4	81.4	81.4	82.3
GE 1800	27.0	64.6	69.9	77.4	79.0	80.2	80.9	82.6	82.8	82.9	83.0	83.2	83.2	83.2	83.2	84.0
GE 1500	27.1	66.1	72.4	80.9	82.6	84.1	84.8	86.6	86.9	87.0	87.1	87.3	87.3	87.3	87.3	88.1
GE 1200	27.1	66.7	73.4	82.7	84.4	86.0	86.6	88.7	89.0	89.1	89.2	89.3	89.3	89.3	89.3	90.2

GE 1000	27.1	67.1	74.3	84.4	86.3	87.8	88.6	90.9	91.3	91.4	91.5	91.6	91.6	91.6	91.6	92.4
GE 900	27.1	67.1	74.3	84.9	86.7	88.2	89.0	91.5	91.8	91.9	92.0	92.1	92.1	92.1	92.1	93.0
GE 800	27.1	67.1	74.3	85.4	87.4	88.9	89.7	92.3	92.7	92.8	92.9	93.0	93.0	93.0	93.0	93.8
GE 700	27.1	67.2	74.4	85.9	87.8	89.4	90.3	93.0	93.3	93.4	93.5	93.6	93.6	93.6	93.6	94.5
GE 600	27.1	67.2	74.4	86.1	88.4	90.1	91.0	93.8	94.2	94.6	94.7	94.8	94.8	94.8	94.8	95.7

GE 500	27.1	67.2	74.4	86.1	88.8	90.4	91.4	94.4	94.7	95.1	95.4	95.5	95.5	95.5	95.5	96.3
GE 400	27.1	67.2	74.4	86.1	88.8	90.4	91.4	94.9	95.4	95.8	96.0	96.1	96.1	96.1	96.1	97.0
GE 300	27.2	67.4	74.6	86.3	89.0	90.6	91.8	95.1	95.7	96.2	96.4	96.7	96.8	96.9	96.9	97.7
GE 200	27.2	67.5	74.7	86.4	89.1	90.7	91.9	95.2	96.0	97.1	97.3	97.5	97.7	97.8	97.8	98.7
GE 100	27.2	67.5	74.7	86.4	89.1	90.7	91.9	95.2	96.0	97.1	97.4	97.8	98.1	98.3	98.4	100.0

GE 0	27.2	67.5	74.7	86.4	89.1	90.7	91.9	95.2	96.0	97.1	97.6	97.8	98.1	98.3	98.4	100.0
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TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: DEC HOURS(IST): ALL

CEILING		VISIBILITY IN HUNDREDS OF METERS															
IN	GT	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	160	90	80	60	48	40	32	24	20	16	12	10	8	5	4	0	
NO CEIL	7.5	13.8	15.3	17.8	19.0	19.7	20.1	21.0	21.2	21.4	21.5	21.6	21.7	21.9	21.9	22.7	
GE 20000	10.3	18.2	20.1	23.3	24.9	25.7	26.2	27.3	27.6	27.9	28.1	28.1	28.4	28.6	28.6	29.5	
GE 18000	10.3	18.2	20.1	23.3	24.9	25.7	26.2	27.3	27.6	27.9	28.1	28.1	28.4	28.6	28.6	29.5	
GE 16000	10.3	18.2	20.1	23.3	24.9	25.7	26.2	27.3	27.6	27.9	28.1	28.1	28.4	28.6	28.6	29.5	
GE 14000	10.3	18.2	20.2	23.3	24.9	25.7	26.2	27.3	27.7	27.9	28.1	28.1	28.4	28.6	28.7	29.5	
GE 12000	11.1	19.3	21.2	24.4	26.0	26.8	27.3	28.4	28.8	29.1	29.2	29.3	29.6	29.8	29.8	30.7	
GE 10000	13.5	22.6	24.7	28.3	30.1	30.9	31.5	32.8	33.2	33.5	33.6	33.7	33.9	34.1	34.2	35.0	
GE 9000	17.2	28.8	31.1	35.1	37.0	38.1	38.7	40.1	40.6	40.9	41.1	41.1	41.4	41.6	41.7	42.6	
GE 8000	18.1	30.6	33.0	37.1	39.2	40.3	41.0	42.5	43.0	43.3	43.5	43.6	43.9	44.1	44.1	45.0	
GE 7000	18.1	30.6	33.1	37.3	39.4	40.5	41.2	42.7	43.2	43.6	43.7	43.8	44.1	44.3	44.4	45.2	
GE 6000	18.6	31.4	34.3	38.5	40.7	41.8	42.5	44.1	44.7	45.0	45.2	45.3	45.6	45.8	45.9	46.8	
GE 5000	19.9	38.9	41.4	45.8	48.1	49.2	49.9	51.6	52.1	52.5	52.7	52.7	53.0	53.3	53.3	54.2	
GE 4500	20.8	40.7	43.2	47.6	50.0	51.2	51.9	53.5	54.1	54.5	54.7	54.7	55.0	55.2	55.3	56.2	
GE 4000	23.1	45.6	48.2	53.0	55.5	56.9	57.7	59.4	60.0	60.4	60.6	60.7	61.0	61.2	61.3	62.2	
GE 3500	24.4	48.2	51.0	56.0	58.6	60.0	60.8	62.7	63.4	63.8	64.0	64.1	64.4	64.6	64.7	65.6	
GE 3000	26.2	52.3	55.4	60.8	63.7	65.1	66.0	68.1	68.8	69.2	69.5	69.6	69.9	70.2	70.3	71.2	
GE 2500	27.4	55.9	59.1	65.2	68.2	69.8	70.7	72.9	73.7	74.2	74.5	74.6	74.9	75.2	75.3	76.2	
GE 2000	28.3	58.7	62.2	69.1	72.3	74.1	75.0	77.4	78.3	78.8	79.1	79.3	79.6	79.9	80.0	81.0	
GE 1800	28.5	59.6	63.4	70.5	73.9	75.7	76.7	79.1	80.0	80.5	80.9	81.0	81.3	81.6	81.7	82.7	
GE 1500	28.8	61.3	65.4	73.4	77.2	79.2	80.2	82.9	83.8	84.4	84.8	85.0	85.3	85.6	85.7	86.7	
GE 1200	29.0	62.0	66.6	75.2	79.2	81.3	82.5	85.4	86.5	87.1	87.5	87.6	88.3	88.3	88.4	89.4	
GE 1000	29.0	62.3	67.2	76.3	80.6	82.7	84.0	87.2	88.3	89.1	89.5	89.7	90.0	90.3	90.4	91.5	
GE 900	29.0	62.5	67.3	76.7	81.0	83.3	84.6	87.9	89.1	89.8	90.2	90.4	90.8	91.1	91.2	92.2	
GE 800	29.0	62.5	67.4	77.0	81.4	83.7	85.1	88.5	89.7	90.5	91.0	91.2	91.7	92.0	92.1	93.1	
GE 700	29.0	62.5	67.5	77.4	81.9	84.3	85.8	89.3	90.6	91.5	91.9	92.1	92.6	92.9	93.0	94.0	
GE 600	29.0	62.5	67.6	77.6	82.3	84.8	86.4	90.1	91.5	92.5	93.0	93.2	93.6	93.9	94.0	95.1	
GE 500	29.0	62.6	67.6	77.6	82.5	85.1	86.7	90.8	92.2	93.3	93.8	94.1	94.5	94.9	95.0	96.0	
GE 400	29.0	62.6	67.6	77.7	82.6	85.2	86.9	91.2	92.7	93.9	94.5	94.7	95.2	95.5	95.7	96.7	
GE 300	29.0	62.6	67.6	77.7	82.7	85.3	87.0	91.6	93.3	94.7	95.4	95.7	96.2	96.6	96.7	97.7	
GE 200	29.0	62.6	67.7	77.8	82.7	85.3	87.1	91.7	93.6	95.2	95.9	96.2	96.9	97.4	97.6	98.8	
GE 100	29.0	62.6	67.7	77.8	82.7	85.3	87.1	91.8	93.6	95.2	96.1	96.4	97.1	97.8	98.1	100.0	
GE 0	29.0	62.6	67.7	77.8	82.7	85.3	87.1	91.8	93.6	95.2	96.1	96.4	97.1	97.8	98.1	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7404

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88

MONTH: ALL HOURS(IST): ALL

.....
CEILING

VISIBILITY IN HUNDREDS OF METERS

IN FEET	1 160	GE 96	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	13.0	22.6	24.1	26.8	28.2	29.0	29.5	30.7	31.1	31.4	31.6	31.7	31.8	32.1	32.1	32.6
GE 20000	17.0	28.6	30.4	33.7	35.3	36.3	36.9	38.2	38.6	39.0	39.2	39.3	39.5	39.7	39.8	40.3
GE 18000	17.0	28.6	30.4	33.7	35.4	36.3	36.9	38.2	38.6	39.1	39.2	39.3	39.5	39.7	39.8	40.3
GE 16000	17.0	28.6	30.4	33.7	35.4	36.3	36.9	38.2	38.6	39.1	39.2	39.3	39.5	39.7	39.8	40.3
GE 14000	17.0	28.7	30.5	33.8	35.4	36.4	36.9	38.3	38.7	39.1	39.3	39.4	39.6	39.8	39.9	40.4
GE 12000	18.3	30.6	32.4	35.7	37.4	38.4	39.0	40.3	40.8	41.2	41.4	41.5	41.7	41.9	42.0	42.5
GE 10000	20.8	34.2	36.2	39.8	41.6	42.6	43.3	44.7	45.2	45.6	45.8	45.8	46.0	46.3	46.4	46.9
GE 9000	24.4	40.0	42.1	46.1	48.1	49.2	49.9	51.4	51.9	52.4	52.6	52.7	52.9	53.1	53.2	53.7
GE 8000	25.1	41.5	43.7	47.9	50.0	51.1	51.8	53.4	54.0	54.4	54.7	54.7	54.9	55.2	55.3	55.8
GE 7000	25.3	41.7	44.0	48.3	50.2	51.4	52.1	53.7	54.2	54.7	54.9	55.0	55.2	55.5	55.6	56.1
GE 6000	26.2	43.4	45.7	50.0	52.1	53.3	54.0	55.6	56.2	56.6	56.9	56.9	57.1	57.4	57.5	58.0
GE 5000	28.1	52.0	54.4	58.9	61.1	62.3	63.0	64.7	65.2	65.7	65.9	66.0	66.2	66.5	66.6	67.1
GE 4500	29.1	54.0	56.5	61.1	63.3	64.5	65.3	67.0	67.5	68.0	68.3	68.3	68.5	68.8	68.9	69.4
GE 4000	30.8	58.1	60.8	65.6	68.2	69.5	70.3	72.0	72.6	73.1	73.4	73.4	73.6	73.9	74.0	74.5
GE 3500	31.7	60.1	63.0	68.2	70.7	72.1	72.9	74.8	75.3	75.9	76.1	76.2	76.4	76.6	76.7	77.2
GE 3000	32.8	62.9	65.1	71.8	74.5	75.5	76.9	78.8	79.4	79.9	80.2	80.3	80.5	80.7	80.8	81.4
GE 2500	33.6	65.1	68.5	74.6	77.6	79.1	80.1	82.2	82.9	83.5	83.7	83.8	84.0	84.3	84.4	84.9
GE 2000	34.2	66.8	70.4	77.1	80.2	81.9	83.0	85.4	86.1	86.7	86.9	87.0	87.2	87.5	87.6	88.1
GE 1800	34.3	67.3	71.0	77.9	81.1	82.9	84.0	86.4	87.1	87.8	88.0	88.1	88.3	88.6	88.7	89.2
GE 1500	34.5	68.2	72.1	79.5	83.0	85.0	86.2	88.8	89.6	90.3	90.6	90.6	90.9	91.1	91.2	91.6
GE 1200	34.6	68.6	72.6	80.4	84.1	86.1	87.5	90.3	91.1	91.8	92.1	92.2	92.4	92.7	92.8	93.3
GE 1000	34.6	68.8	72.8	80.8	84.6	86.9	88.4	91.3	92.3	93.0	93.3	93.4	93.6	93.9	94.0	94.5
GE 900	34.6	68.8	72.9	81.0	85.0	87.2	88.7	91.7	92.6	93.4	93.7	93.8	94.0	94.3	94.4	94.9
GE 800	34.6	68.9	72.9	81.2	85.3	87.5	89.1	92.2	93.2	94.1	94.4	94.5	94.7	95.0	95.1	95.6
GE 700	34.6	68.9	73.0	81.3	85.5	87.6	89.4	92.7	93.8	94.6	95.0	95.1	95.3	95.6	95.7	96.3
GE 600	34.6	68.9	73.0	81.4	85.7	88.1	89.8	93.2	94.6	95.2	95.7	95.8	96.0	96.3	96.4	96.9
GE 500	34.6	68.9	73.0	81.5	85.8	88.3	90.0	93.7	94.9	95.9	96.3	96.4	96.7	97.0	97.1	97.6
GE 400	34.6	68.9	73.0	81.5	85.9	88.3	90.1	93.9	95.2	96.3	96.7	96.8	97.1	97.4	97.5	98.1
GE 300	34.6	68.9	73.0	81.5	85.9	88.4	90.2	94.1	95.4	96.6	97.1	97.3	97.6	98.0	98.1	98.6
GE 200	34.6	68.9	73.0	81.5	85.9	88.4	90.2	94.1	95.5	96.8	97.4	97.6	98.0	98.4	98.5	99.2
GE 100	34.6	68.9	73.0	81.5	85.9	88.4	90.2	94.1	95.5	96.8	97.4	97.6	98.0	98.5	98.7	100.0
GE 0	34.6	68.9	73.0	81.5	85.9	88.4	90.2	94.1	95.5	96.8	97.4	97.6	98.0	98.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 87172

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	11.8	3.0		3.0	4.5	3.4	3.5		7.8	17.8	45.2	7.4	770
03-05	10.9	2.3		3.7	2.7	3.2	3.2		7.4	19.7	47.0	7.7	783
06-08	7.1	4.0		3.1	5.4	4.4	4.0		6.8	20.7	44.5	7.7	777
09-11	3.2	4.5		3.5	4.5	5.3	6.3		9.4	30.6	32.7	7.7	777
12-14	3.6	6.5		3.2	4.0	3.4	6.9		10.6	33.9	27.8	7.6	772
15-17	3.7	7.3		3.1	4.5	3.6	7.1		8.7	28.9	33.1	7.6	779
18-20	6.8	6.5		3.4	4.5	4.8	5.2		7.5	22.6	38.8	7.4	774
21-23	11.6	4.8		4.0	5.3	3.0	3.2		6.8	18.9	40.5	7.2	777
TOTALS	7.3	4.9		3.4	4.4	3.9	4.9		8.4	24.1	38.7	7.5	6209

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	28.1	2.4		3.6	3.5	2.5	3.5		4.9	14.0	37.6	6.0	716
03-05	25.8	2.8		2.5	4.5	2.2	3.2		4.3	15.8	38.9	6.2	717
06-08	18.5	5.9		4.3	2.8	2.1	3.9		5.7	13.5	43.4	6.6	725
09-11	14.4	9.1		4.0	2.9	1.5	3.2		6.1	25.0	33.8	6.7	724
12-14	12.7	8.6		3.7	5.4	3.9	3.2		7.3	25.6	29.7	6.7	724
15-17	12.3	7.5		4.4	5.1	4.7	5.3		7.4	24.4	28.8	6.6	721
18-20	15.3	6.7		2.8	4.9	4.2	4.3		6.8	21.7	33.5	6.7	720
21-23	23.5	3.3		4.0	3.9	4.9	3.3		6.1	17.2	33.8	6.2	720
TOTALS	18.8	5.8		3.7	4.1	3.3	3.7		6.1	19.7	34.9	6.5	5767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	16.9	6.7		4.5	6.5	5.6	5.0		7.6	15.4	31.7	6.4	726
03-05	16.8	5.3		5.5	7.1	6.3	4.4		7.2	14.3	33.2	6.3	733
06-08	8.4	5.3		5.2	6.6	4.5	5.2		10.2	22.5	32.1	7.1	729
09-11	8.5	5.7		4.1	5.6	4.1	4.9		10.6	30.3	26.2	7.1	733
12-14	1.6	5.6		3.3	3.3	4.9	6.4		12.2	35.9	20.9	7.2	736
15-17	7.4	4.0		4.4	4.3	5.0	6.3		12.9	34.4	21.3	7.2	727
18-20	7.9	5.6		3.8	5.9	5.9	5.5		10.8	28.2	26.3	7.1	730
21-23	12.8	6.5		7.0	7.4	4.7	4.6		9.4	19.4	28.1	6.4	725
TOTALS	10.8	5.6		4.7	5.8	5.1	5.3		10.1	25.1	27.5	6.8	5839

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	20.8	4.9		4.5	7.8	4.2	4.0		6.4	18.5	29.0	6.0	708
03-05	17.6	9.3		6.2	5.9	3.5	3.7		7.0	17.0	29.8	6.0	711
06-08	9.0	10.5		7.6	4.6	4.6	7.4		6.9	27.0	22.3	6.4	712
09-11	6.9	11.4		5.9	4.9	5.6	6.8		11.4	27.0	20.0	6.5	710
12-14	4.5	7.7		5.1	7.4	6.6	8.0		14.5	26.0	20.2	6.9	712
15-17	4.1	8.5		4.5	6.0	8.4	6.7		12.6	26.1	23.0	6.9	704
18-20	3.9	9.8		5.0	5.6	7.4	7.9		9.7	29.0	21.6	6.9	713
21-23	11.3	9.2		5.9	7.4	6.5	4.5		8.6	18.6	27.9	6.3	706
TOTALS	9.8	8.9		5.6	6.2	5.9	6.1		9.6	23.7	24.2	6.5	5676

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS I (LST) I	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02 I	14.5	5.3		7.9	6.3	4.8	6.8		11.0	13.3	28.1	6.2	736
03-05 I	10.1	6.3		7.0	5.7	3.4	6.7		7.5	23.9	29.3	6.6	731
06-08 I	5.9	9.6		3.6	5.5	5.1	5.5		8.1	30.0	26.9	7.0	731
09-11 I	3.8	11.2		4.1	5.4	4.6	7.0		10.4	29.0	24.5	7.0	739
12-14 I	1.8	6.3		4.0	5.6	6.5	8.4		12.0	33.7	21.8	7.4	734
15-17 I	1.1	5.9		2.9	6.2	7.5	9.5		15.4	28.5	23.0	6.4	729
18-20 I	2.6	8.3		6.0	4.4	4.6	7.8		13.3	28.4	24.6	7.2	732
21-23 I	6.2	9.1		5.1	7.3	5.9	7.4		7.5	21.9	27.6	6.6	729
TOTALS I	6.0	7.8		5.1	6.1	5.3	7.4		10.7	26.1	25.7	7.0	5861

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS I (LST) I	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02 I	11.9	7.6		9.7	9.2	6.2	5.5		10.6	17.2	22.0	6.0	708
03-05 I	6.8	12.4		7.8	8.5	5.4	7.6		8.6	22.4	20.6	6.2	709
06-08 I	6.3	10.0		6.0	7.4	5.4	7.1		12.8	26.3	18.8	6.5	703
09-11 I	3.6	10.1		4.2	6.0	6.9	10.8		13.7	30.7	14.0	6.7	714
12-14 I	4.4	8.4		4.7	5.4	8.7	12.5		18.6	28.6	12.8	7.0	704
15-17 I	4.6	7.8		4.9	8.5	10.4	12.7		15.3	28.0	11.8	6.6	714
18-20 I	2.0	9.5		5.3	6.0	9.1	10.5		13.7	31.1	12.7	6.8	714
21-23 I	5.5	9.8		7.0	8.7	7.0	7.9		9.7	27.3	17.0	6.4	711
TOTALS I	4.6	9.5		6.2	7.5	7.4	9.3		12.9	26.5	16.2	6.6	5677

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS I (LST) I	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL Obs
00-02 I	16.4	11.3		7.2	9.8	6.9	6.8		9.8	16.2	13.5	5.1	734
03-05 I	13.4	12.9		5.5	9.7	6.0	6.8		9.8	16.8	18.1	5.5	734
06-08 I	9.0	15.8		7.5	7.8	4.6	6.8		8.9	24.5	15.0	5.8	732
09-11 I	8.6	10.9		6.8	8.8	6.4	5.8		14.9	26.1	11.7	6.0	737
12-14 I	4.5	9.9		4.6	11.4	9.3	9.3		13.7	26.8	10.5	6.3	735
15-17 I	4.2	10.4		9.0	10.1	9.3	9.6		14.9	20.4	12.0	6.1	731
18-20 I	7.1	13.9		9.4	6.0	7.5	9.4		13.0	24.5	9.4	5.8	736
21-23 I	9.3	13.0		9.5	10.1	7.7	6.9		12.2	21.2	11.0	5.6	739
TOTALS I	9.3	12.3		7.4	9.2	7.2	7.7		12.2	22.1	12.7	5.8	5877

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS I (LST) I	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL Obs
00-02 I	20.9	10.8		9.5	8.6	6.3	6.3		8.7	16.0	13.9	4.4	737
03-05 I	20.4	10.5		7.4	7.9	3.4	5.1		6.8	20.5	16.0	5.3	726
06-08 I	12.9	12.9		6.6	8.0	3.9	4.6		9.6	28.0	13.4	5.8	737
09-11 I	11.6	12.3		5.8	7.4	7.6	7.0		11.0	23.2	13.1	5.7	725
12-14 I	4.2	10.0		7.2	9.2	9.6	9.5		15.3	25.5	9.6	6.2	740
15-17 I	2.9	12.6		7.2	8.2	10.2	10.0		15.0	23.1	10.8	6.1	732
18-20 I	7.9	11.2		5.0	10.8	7.6	9.5		11.6	25.7	10.6	6.0	734
21-23 I	13.9	10.9		9.9	10.3	8.3	6.5		8.6	17.8	13.7	5.3	735
TOTALS I	11.8	11.4		7.3	8.8	7.1	7.3		11.1	22.5	12.6	5.7	5861

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	20.4	6.7		8.9	9.3	6.9	6.2		7.5	15.5	16.7	5.1
03-05	21.1	10.8		7.4	6.9	4.8	4.4		9.6	14.2	20.9	5.2
06-08	8.9	14.4		8.9	6.5	6.2	5.4		8.6	23.4	17.9	5.4
09-11	9.5	12.9		7.1	10.5	7.6	6.4		8.1	23.7	14.1	5.7
12-14	5.3	11.1		6.6	9.9	9.4	9.1		12.7	25.2	10.6	6.1
15-17	5.1	9.4		8.5	9.3	7.2	7.1		14.4	26.1	13.0	6.1
18-20	5.0	9.2		9.6	9.9	6.5	6.9		13.6	23.5	13.9	6.4
21-23	13.5	10.4		9.8	12.5	7.3	6.6		9.0	13.5	17.5	5.1
TOTALS	11.1	10.9		8.4	9.4	7.2	6.5		10.4	20.6	15.6	5.7

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 76-87
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02	22.8	6.2		7.7	5.3	4.7	4.1		9.4	14.4	25.4	5.6
03-05	21.1	5.2		4.1	4.6	3.8	5.2		9.9	17.3	28.7	6.1
06-08	8.5	7.4		4.9	6.1	4.1	3.9		9.3	24.9	30.9	7.0
09-11	6.6	9.8		3.5	4.9	5.4	3.5		9.9	28.8	27.5	7.0
12-14	6.1	9.8		7.1	5.4	6.5	6.9		11.9	29.9	20.4	6.8
15-17	5.9	8.7		5.5	6.2	6.4	7.2		10.4	26.6	21.1	6.7
18-20	6.9	7.6		9.9	10.4	6.5	5.3		9.1	21.7	22.7	6.4
21-23	15.5	8.0		8.5	6.8	6.2	5.0		9.8	15.7	24.4	5.9
TOTALS	11.7	7.8		5.9	6.5	5.5	5.1		10.0	22.4	25.1	6.4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS I (LST) I	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02 I	15.8	6.6		5.3	7.0	4.2	3.9		6.4	15.8	34.4	6.4
03-05 I	16.5	5.6		7.3	4.2	2.2	5.0		5.3	20.2	33.5	6.5
06-08 I	9.4	6.7		5.2	6.2	3.8	4.6		7.4	23.0	33.7	7.0
09-11 I	4.7	8.2		5.4	7.5	5.8	5.5		7.5	29.7	25.6	7.0
12-14 I	3.1	10.5		5.9	6.8	6.5	5.7		9.9	28.9	22.8	6.4
15-17 I	4.4	5.6		5.5	5.8	7.9	6.9		9.5	27.2	23.2	6.6
18-20 I	6.3	8.3		6.7	8.3	6.2	4.2		7.7	20.8	29.7	6.6
21-23 I	13.1	6.7		6.4	5.6	4.6	5.3		7.7	17.4	33.3	6.5
TOTALS I	9.4	7.6		6.0	6.4	5.2	5.1		7.7	22.9	29.6	6.7

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER												
HOURS I (LST) I	0	1	2	3	4	5	6	7	8	9	10	MEAN
00-02 I	10.0	3.4		5.0	5.8	3.7	3.7		7.7	21.4	39.2	7.3
03-05 I	10.2	3.9		4.1	4.2	4.2	3.1		7.5	22.5	40.4	7.4
06-08 I	6.1	5.7		3.8	3.5	3.5	5.0		8.2	23.2	40.9	7.6
09-11 I	3.4	8.0		2.9	3.9	4.3	5.4		8.5	33.3	30.3	7.6
12-14 I	2.9	7.5		5.2	3.7	4.2	4.9		9.2	23.7	23.8	7.5
15-17 I	2.0	7.5		3.4	4.8	2.9	5.4		11.8	31.3	31.0	7.7
18-20 I	4.8	4.1		4.6	6.0	3.5	4.5		8.2	27.5	36.9	7.7
21-23 I	7.1	5.2		4.8	5.2	4.1	5.4		8.2	23.7	36.4	7.4
TOTALS I	5.8	5.7		4.2	4.6	3.8	4.7		8.7	27.1	35.5	7.5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN
													TOTAL OBS
JAN	ALL	7.3	4.9		3.4	4.4	3.9	4.9		8.4	24.1	38.7	7.5 6209
FEB		10.8	5.8		3.7	4.1	3.3	3.7		6.1	19.7	34.9	6.5 5767
MAR		10.8	5.6		4.7	5.8	5.1	5.3		10.1	25.1	27.5	6.6 5639
APR		9.8	8.9		5.6	6.2	5.9	6.1		9.0	23.7	24.2	6.5 5676
MAY		6.0	7.8		5.1	6.1	5.3	7.4		10.7	26.1	25.7	7.0 5861
JUN		4.6	9.5		5.2	7.5	7.4	9.3		12.9	26.5	16.2	6.6 5677
JUL		9.3	12.3		7.4	9.2	7.2	7.7		12.2	22.1	12.7	5.6 5877
AUG		11.8	11.4		7.3	8.8	7.1	7.3		11.1	22.5	12.6	5.7 5861
SEP		11.1	10.9		8.4	9.4	7.2	6.5		10.4	20.6	15.6	5.7 5690
OCT		11.7	7.8		5.9	6.5	5.5	5.1		10.0	22.4	25.1	6.4 5893
NOV		9.4	7.8		6.0	6.4	5.2	5.1		7.7	22.9	29.6	6.7 5696
DEC		5.8	5.7		4.2	4.6	3.8	4.7		8.7	27.1	35.5	7.5 5878
TOTALS		9.7	8.2		5.7	6.6	5.6	6.1		9.8	23.6	24.9	6.6 69924

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TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

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

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

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

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

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

EXTREME MAXIMUM AND MINIMUM VALUES:

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

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

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

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

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY:

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107340

STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 95						.2	.6						.1
GE 90						.4	3.2	1.8	.2				.5
GE 85					.5	3.3	11.1	7.6	2.3				2.1
GE 80				.4	3.6	12.8	26.5	22.1	8.0	.1			6.2
GE 75				2.2	13.0	31.5	44.5	39.2	21.3	2.1			12.9
GE 70			.5	9.5	25.7	51.5	64.5	61.8	39.5	7.6	.1		21.9
GE 65		.3	3.7	20.0	44.8	71.3	82.8	81.9	59.7	20.5	.7		32.3
GE 60		1.4	13.3	36.0	66.0	88.4	95.4	96.9	81.6	39.4	4.6	.5	43.8
GE 55	1.3	6.0	27.1	53.7	85.0	97.6	99.7	99.9	95.5	62.5	13.9	1.9	53.9
GE 50	5.6	15.8	47.6	72.8	95.2	99.7	100.0	100.0	99.7	82.7	33.6	8.2	63.6
GE 45	17.0	32.4	66.5	86.4	99.4	100.0			100.0	94.0	54.1	20.5	72.6
GE 40	35.2	52.1	79.9	97.5	100.0					99.0	75.8	29.1	81.6
GE 35	60.6	73.0	92.6	99.8						99.9	91.8	65.5	90.3
GE 30	80.5	90.1	98.6	100.0						100.0	98.7	84.9	96.1
GE 25	90.5	97.0	99.6								100.0	94.1	98.4
GE 20	96.0	99.3	99.8									98.2	99.4
GE 15	99.3	99.9	100.0									99.5	99.9
GE 10	100.0	100.0										99.8	100.0
GE 5												100.0	100.0
MEAN	36.3	40.3	48.3	55.9	63.7	69.9	73.5	72.6	67.5	57.3	45.6	37.6	55.7
SD	8.506	8.734	9.496	9.593	8.823	8.285	8.636	7.910	8.273	8.379	8.114	8.356	15.812
TOTAL OBS	1100	1016	1115	1079	1115	1079	1084	1085	1050	1054	1049	1082	12908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380

STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-63

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 70I							.1						.0
GE 65I						.5	2.8						.3
GE 60I					.9	7.1	19.9	15.3	3.0				3.9
GE 55I				.4	7.8	35.3	53.2	51.8	20.0	2.4	.3		14.3
GE 50I		.2	.9	5.2	30.2	70.7	85.9	85.5	51.9	13.8	2.2	.4	29.0
GE 45I	1.2	1.3	5.3	22.3	59.8	91.7	97.7	97.4	76.9	32.6	6.1	2.0	41.3
GE 40I	5.1	6.2	19.4	44.9	85.7	98.3	99.9	99.6	92.2	56.9	23.5	8.1	53.5
GE 35I	17.2	22.0	42.6	71.9	96.0	99.9	100.0	100.0	99.3	82.5	49.8	21.6	67.0
GE 30I	26.5	33.7	54.3	81.5	98.0	100.0			99.9	88.3	62.4	21.1	73.1
GE 25I	45.8	51.4	72.6	93.7	99.6				100.0	96.4	78.3	51.2	82.5
GE 20I	66.2	72.8	88.1	99.8	100.0					99.5	92.8	71.1	90.9
GE 15I	77.5	85.5	95.7	100.0						100.0	98.4	84.7	95.1
GE 10I	88.8	94.0	98.5								99.7	92.3	97.8
GE 5I	93.5	97.3	99.7								99.9	96.8	98.9
GE 0I	97.2	99.3	100.0								100.0	99.4	99.7
GE -5I	99.7	99.9										99.8	100.0
GE -10I	100.0	100.0										100.0	100.0
MEAN	26.6	28.5	33.1	38.9	45.9	52.0	54.9	54.4	49.0	41.2	34.6	28.5	40.6
SD	9.391	8.184	7.392	6.488	6.037	5.401	5.220	5.020	6.105	6.962	6.872	8.733	12.210
TOTAL OBS	1100	1016	1115	1079	1115	1079	1084	1085	1050	1054	1049	1082	12906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 107380

STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-63

TEMP(F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 801						.2	.7	.1					.1
GE 751						.9	5.7	2.4	.3				.6
GE 701					1.4	8.3	22.6	17.0	3.6				4.4
GE 651				.6	7.4	30.0	46.8	41.3	16.6	.6			17.0
GE 601			.3	5.0	24.6	59.9	75.6	74.6	42.5	5.1	.2		24.1
GE 551		.4	2.2	17.9	51.8	84.9	95.2	96.0	72.3	24.1	1.5	.4	37.4
GE 501	.7	1.7	11.6	41.5	78.7	97.8	99.7	100.0	92.8	49.8	8.4	1.8	48.9
GE 451	4.5	8.3	34.4	63.2	95.0	99.8	100.0		99.3	75.4	26.7	8.1	59.7
GE 401	16.7	27.2	58.9	83.9	99.4	100.0			100.0	93.4	54.1	21.0	71.3
GE 351	39.8	53.1	80.6	98.6	100.0					99.3	80.5	44.5	83.1
GE 301	64.8	75.8	91.7	100.0						100.0	93.6	71.3	91.4
GE 251	80.6	89.6	98.0								99.1	85.9	96.1
GE 201	91.4	96.6	99.6								99.6	94.1	98.4
GE 151	95.6	99.2	99.9								100.0	98.0	99.4
GE 101	98.7	99.9	100.0									99.5	99.6
GE 51	100.0	100.0										99.9	100.0
GE 01												100.0	100.0
MEAN	31.6	34.5	40.9	47.6	54.9	61.1	64.4	63.6	58.4	49.4	40.2	33.2	48.3
SD	8.538	7.744	7.593	7.122	6.554	6.058	6.245	5.522	6.108	6.482	6.774	8.137	13.558
TOTAL OBS	1100	1016	1115	1079	1115	1079	1084	1085	1050	1054	1049	1087	12908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-63

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46											*59	47	
47	53	50	70	76	81	95	97	92	89	75	63	53	97
48	57	56	66	74	78	86	88	87	83	76	60	53	88
49	47	57	69	79	82	80	92	94	89	75	57	57	94
50	52	60	65	73	84	95	92	94	82	71	64	53	95
51	48	55	62	74	80	86	89	87	83	63	59	49	89
52	48	47	61	74	79	87	96	93	72	62	53	46	96
53	50	52	71	75	87	78	84	85	88	70	59	*62	86
54	47	49	62	65	79	85	80	88	81	74	63	52	98
55	50	52	71	80	78	82							
57	52	65	68	71	76	*86	95	*1	83	71	59	*51	95
58	49	64	62	65	81	82	86	89	83	74	53	52	89
59	56	58	64	77	77	80	90	84	82	71	56	52	90
60	58	66	67	71	79	82	81	85	75	70	59	55	85
61	51	64	72	77	76	84	87	87	86	76	60	61	67
62	*52	48	57	78	78	84	90	91	89	78	65	44	91
63	41	43	57	73	76	83	86	89	77	72	65	45	89
64	39	58	57	76	81	67	92	92	84	71	56	57	92
65	51	39	*62	68	*80	87	*87	86	78	68	64	60	87
66	*57	60	55	69	78	84	84	93	86	82	62	53	93
67	55	59	60	*68	84	91	91	86	84	75	59	53	91
68	51	51	71	84	77	86	86	80	77	75	68	48	86
69	48	50	55	75	87	80	87	84	78	68	62	37	87
70	46	48	57	75	73	84	86	91	82	73	66	*48	91
71	50	48	55	75	87	77	91	93	77	75	62	51	93
72	50	55	66	71	73	82	91	87	77	68	64	53	91
73	46	48	64	71	84	86	84	87	87	68	59	50	87
74	57	57	69	71	75	77	84	93	93	54	61	55	93
75	57	54	61	73	79	81	88	84	82	66	61	52	88
76	48	57	66	73	81	88	91	77	79	75	57	54	91

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

CONTINUED ON NEXT PAGE...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77	50	59	70	72	81	86	84	82	81	79	70	59	86
78	45	59	66	68	75	84	86	92	77	73	57	57	86
79	41	54	61	68	86	84	88	86	84	77	59	64	86
80	50	54	63	70	73	84	84	91	82	72	64	54	91
81	46	52	68	72	82	84	86	86	82	77	64	52	86
82	54	55	63	70	81	86	86	86	82	66	66	57	86
83	57	54	63	73	75	82	97	88	82				
MEAN	49.9	54.4	63.8	73.0	79.5	84.3	88.2	87.4	82.2	71.8	61.1	52.7	89.7
S.D.	4.781	6.072	5.168	4.055	4.003	4.090	4.264	4.265	4.515	5.455	3.984	5.344	3.368
TOTAL OBS	1100	1016	1115	1079	1115	1079	1084	1085	1050	1054	1049	1082	12908

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
46											*25	2	
47	-2	8	13	32	39	42	47	46	39	27	22	20	-2
48	23	9	26	32	39	42	44	42	35	28	19	6	6
49	19	14	7	29	29	42	46	45	44	27	22	15	7
50	15	14	8	31	41	47	50	48	37	21	23	10	8
51	25	28	22	29	34	48	44	46	37	29	27	20	20
52	9	9	21	25	36	47	45	39	35	25	12	13	9
53	11	9	24	32	28	38	46	44	37	30	26	*24	9
54	7	2	28	29	34	42	47	47	36	31	20	23	2
55	16	15	18	27	35	42							
57	3	24	23	30	30	*42	47	42	38	30	27	*19	3
58	11	11	17	22	40	46	47	45	43	29	31	15	11
59	7	17	26	27	38	41	50	40	37	30	24	20	7
60	2	12	25	31	32	42	39	45	34	27	26	19	2
61	13	27	26	36	39	42	43	47	43	27	19	8	8
62	*16	8	17	30	27	36	40	42	36	23	9	-3	-3
63	0	-4	12	27	36	46	47	41	39	28	29	8	-4
64	11	17	14	30	42	44	43	43	35	27	27	12	11
65	21	6	*14	32	*33	41	*44	46	37	26	17	23	6
66	*-2	26	26	32	35	46	46	44	39	30	19	23	*-2
67	3	15	28	*28	28	41	48	46	37	30	21	8	3
68	0	21	21	28	33	42	46	42	39	32	15	12	0
69	12	10	23	24	37	41	46	46	39	32	21	6	6
70	19	14	14	26	33	42	42	44	37	28	26	*15	14
71	1	15	8	30	39	42	42	48	33	28	19	23	1
72	14	14	24	26	35	37	48	44	32	21	19	15	14
73	15	19	23	26	35	42	48	46	37	24	14	0	0
74	19	23	24	28	33	39	45	48	34	25	27	23	19
75	19	21	10	25	34	34	46	48	43	28	16	7	7
76	-6	9	14	25	30	37	43	41	36	32	27	1	-6

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

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 107380 STATION NAME: STUTTGART, GERMANY

PERIOD OF RECORD: 46-55, 57-83

YEAR	WHOLE DEGREES FAHRENHEIT -M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77	7	21	21	25	34	39	43	46	36	30	19	16	7
78	16	3	25	25	32	37	43	39	37	32	19	7	3
79	1	16	27	28	28	45	43	37	36	27	21	25	1
80	10	21	23	28	34	45	41	37	37	30	16	5	5
81	9	7	27	25	34	41	48	43	41	27	21	10	7
82	00	5	25	28	30	46	48	45	43	28	27	25	00
83	19	12	27	28	39	43	48	45	37				
MEAN	10.6	13.8	20.5	28.2	34.3	41.9	45.3	43.9	37.6	27.9	21.4	13.0	5.7
S.D.	7.937	7.412	6.363	2.971	4.014	3.373	2.745	3.043	2.943	2.864	5.135	8.054	6.233
TOTAL OBS	1100	1016	1115	1079	1115	1079	1084	1085	1050	1054	1049	1082	12908

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00-02	MEAN	29.0	29.1	36.9	41.3	48.7	55.1	58.4	57.9	53.2	45.3	36.8	33.5	43.8
	SD	10.688	8.705	7.182	6.372	6.578	5.761	5.492	5.586	6.166	6.870	8.134	6.770	10.710
	TOT OBS	918	841	921	892	929	894	927	921	896	926	898	925	10667
03-05	MEAN	28.1	27.8	35.2	39.1	46.5	52.7	55.9	55.5	51.2	43.7	35.6	32.6	44.1
	SD	10.862	9.273	7.426	6.281	6.494	5.436	5.436	5.621	6.527	7.200	6.325	7.027	10.410
	TOT OBS	928	840	927	895	924	894	926	927	898	925	898	927	10609
06-08	MEAN	27.6	27.3	34.9	39.8	48.7	55.5	58.5	56.8	51.3	43.5	35.1	32.5	44.7
	SD	11.307	9.654	7.660	6.381	6.671	5.933	5.709	5.856	6.656	7.313	6.487	6.022	13.117
	TOT OBS	924	844	927	896	923	894	921	929	895	929	894	928	10904
09-11	MEAN	29.1	31.3	39.7	46.9	55.4	62.0	65.7	64.5	59.2	48.9	38.2	34.0	47.9
	SD	10.693	8.681	7.706	7.713	7.818	7.413	7.277	6.728	7.022	7.215	8.414	8.827	15.147
	TOT OBS	926	845	926	899	920	896	922	922	897	928	892	918	10647
12-14	MEAN	32.5	34.9	44.6	51.7	59.3	65.7	70.0	69.6	65.4	54.8	43.4	37.7	52.6
	SD	10.111	8.123	7.713	9.158	9.093	8.492	8.704	7.824	8.090	7.944	8.848	8.374	15.659
	TOT OBS	923	845	924	898	924	893	926	927	898	927	891	927	10923
15-17	MEAN	33.2	36.2	45.8	52.7	60.1	66.7	71.3	70.6	66.2	55.4	43.5	37.9	51.4
	SD	9.827	7.956	7.832	9.583	9.470	8.594	9.212	7.981	8.425	8.117	6.762	8.142	15.534
	TOT OBS	924	842	926	894	921	897	922	921	895	927	894	927	10691
18-20	MEAN	30.8	32.8	42.4	49.2	57.2	64.1	68.6	66.9	61.0	50.1	39.5	35.4	49.9
	SD	10.087	7.498	7.304	8.724	8.704	8.002	8.414	7.319	7.225	6.927	7.726	8.201	15.321
	TOT OBS	925	841	926	899	923	894	925	922	893	927	896	926	10897
21-23	MEAN	29.5	30.4	38.8	44.2	51.9	58.4	62.2	60.7	55.6	46.7	37.6	34.3	45.9
	SD	10.393	7.928	6.825	6.907	7.130	6.449	6.520	5.761	6.057	6.626	7.796	6.464	13.480
	TOT OBS	927	841	926	889	919	896	925	922	898	927	895	924	10693
ALL	MEAN	30.0	31.1	39.8	45.6	53.5	60.0	63.8	62.8	57.9	48.5	38.7	34.7	47.3
	SD	10.696	9.030	8.432	9.213	9.233	8.682	9.092	8.655	9.022	8.501	8.846	8.827	14.676
HOURS	TOT OBS	7395	6739	7403	7162	7389	7158	7395	7391	7170	7416	7158	7405	87161

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAL

WET-BULB TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88

HOURS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
LST														
00-02	MEAN	27.8	28.0	34.8	38.7	46.0	52.2	55.1	54.8	50.7	43.5	35.4	32.1	41.7
	SD	4.873	8.277	6.489	5.775	6.058	5.350	4.974	5.078	5.649	6.294	7.364	7.675	11.796
	TOT OBS	916	840	919	892	929	893	922	921	895	926	897	925	10675
03-05	MEAN	27.0	26.9	33.5	37.1	44.4	50.5	53.4	53.1	49.1	42.2	34.4	31.4	40.3
	SD	10.062	8.769	6.734	5.889	6.165	5.149	4.996	5.204	5.969	6.537	7.635	8.160	11.665
	TOT OBS	928	840	926	895	923	893	925	923	898	925	895	926	10647
06-08	MEAN	26.6	26.5	33.3	37.7	46.3	52.5	55.2	54.2	49.2	42.1	34.0	31.3	40.8
	SD	10.511	9.108	6.926	5.899	6.133	5.365	4.921	5.183	5.960	6.620	7.745	8.191	12.352
	TOT OBS	923	844	925	895	923	894	921	929	894	929	891	925	10643
09-11	MEAN	27.8	26.9	36.7	42.1	49.9	55.6	58.7	58.2	54.3	46.0	36.1	32.5	44.1
	SD	10.056	8.071	6.554	6.193	6.138	5.949	5.120	4.884	5.524	6.176	7.421	7.401	12.853
	TOT OBS	924	843	924	898	926	895	921	919	897	928	890	917	10660
12-14	MEAN	30.5	30.1	39.3	44.2	51.4	56.7	59.9	59.6	56.7	49.3	39.9	35.3	41.3
	SD	9.148	7.206	6.297	6.465	6.285	6.063	5.220	4.972	5.704	6.058	7.453	7.330	12.249
	TOT OBS	919	845	924	897	924	891	926	927	898	927	891	924	10693
15-17	MEAN	30.9	30.8	39.9	44.6	51.7	57.0	60.2	59.9	56.9	49.5	40.0	35.3	46.6
	SD	8.892	6.943	6.186	6.338	6.339	5.939	5.292	4.916	5.694	6.061	7.425	7.191	12.154
	TOT OBS	924	840	926	894	921	895	919	919	894	927	893	927	10679
18-20	MEAN	29.2	30.7	38.1	43.0	50.5	56.3	59.5	58.9	54.9	46.7	37.3	33.6	45.0
	SD	9.302	7.022	6.196	6.210	6.308	6.037	5.438	5.094	5.681	5.963	6.969	7.370	12.484
	TOT OBS	925	841	925	899	923	894	924	921	893	927	896	924	10692
21-23	MEAN	28.2	29.0	36.0	40.4	47.9	53.9	57.0	56.3	52.2	44.4	35.9	32.7	42.9
	SD	9.605	7.564	6.160	5.766	6.072	5.568	5.086	4.983	5.458	5.956	7.060	7.637	12.035
	TOT OBS	926	841	925	886	919	895	929	921	897	927	894	923	10663
ALL	MEAN	28.5	29.4	36.5	41.0	48.5	54.3	57.4	56.9	53.0	45.5	36.7	33.0	43.5
	SD	9.801	8.195	6.862	6.666	6.697	6.118	5.665	5.614	6.422	6.791	7.689	7.856	12.415
	TOT OBS	7385	6734	7394	7156	7388	7150	7387	7380	7166	7416	7147	7391	87094

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 75-88

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
00-02	MEAN	25.3	25.5	31.7	35.3	43.3	49.8	52.6	52.4	48.6	41.7	33.3	24.7	35.7
	SD	4.779	8.807	6.708	6.470	6.514	5.606	5.161	5.307	5.766	6.328	7.334	7.612	11.470
	TOT OBS	916	840	919	892	929	893	922	921	895	926	897	929	10495
03-05	MEAN	24.6	24.7	30.9	34.3	42.3	48.7	51.4	51.2	47.4	40.6	32.5	24.7	35.7
	SD	4.904	9.074	6.860	6.449	6.541	5.329	5.068	5.344	6.012	6.476	7.616	7.994	11.684
	TOT OBS	926	840	926	895	923	893	925	923	898	925	895	924	10497
06-08	MEAN	24.2	24.3	30.8	34.6	43.6	50.1	52.7	52.1	47.5	40.5	32.2	24.7	35.7
	SD	10.361	9.291	6.971	6.356	6.523	5.544	4.968	5.195	5.874	6.547	7.675	8.251	12.287
	TOT OBS	923	844	925	895	923	894	921	925	894	929	891	928	10499
09-11	MEAN	25.1	26.0	32.6	36.5	44.8	50.5	53.6	53.6	49.4	42.2	34.4	26.2	36.7
	SD	9.918	8.485	6.759	7.012	6.864	6.370	5.381	5.212	5.758	6.195	7.342	7.797	11.777
	TOT OBS	924	843	924	896	926	895	921	919	897	928	890	917	10494
12-14	MEAN	26.7	27.2	32.4	35.5	44.1	49.6	52.7	52.4	49.0	44.1	35.5	26.2	36.7
	SD	9.281	8.096	7.124	7.407	6.998	6.562	5.414	5.685	6.175	6.470	7.532	7.484	11.719
	TOT OBS	919	845	924	897	924	891	926	927	898	927	891	924	10493
15-17	MEAN	26.9	27.2	32.0	35.2	44.0	49.5	52.5	52.2	49.6	43.9	35.5	26.5	36.7
	SD	9.188	8.128	7.349	7.387	7.074	6.594	5.584	5.706	6.343	6.505	7.443	7.491	11.691
	TOT OBS	924	840	926	894	921	895	919	919	894	927	893	927	10479
18-20	MEAN	26.1	26.6	32.3	35.7	44.3	50.1	53.1	53.1	50.0	43.2	34.4	26.6	36.7
	SD	9.504	8.165	7.038	7.211	6.949	6.696	5.801	5.789	6.173	6.253	7.222	7.446	12.000
	TOT OBS	925	841	925	899	923	894	924	921	893	927	896	924	10494
21-23	MEAN	25.5	25.9	32.0	35.5	44.0	50.2	53.1	53.0	49.3	42.1	35.5	26.1	36.7
	SD	9.642	8.466	6.681	6.681	6.631	5.986	5.281	5.399	5.803	6.091	7.147	7.641	12.260
	TOT OBS	926	841	925	886	919	895	925	921	897	927	894	923	10493
ALL	MEAN	25.6	25.9	31.8	35.3	43.6	49.8	52.7	52.5	49.1	42.4	33.4	25.2	35.7
	SD	9.740	8.728	6.966	6.907	6.775	6.127	5.360	5.497	6.081	6.497	7.504	7.774	12.216
HOURS	TOT OBS	7380	6734	7394	7156	7388	7150	7367	7380	7166	7416	7147	7391	87044

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107360 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-86
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	99.9	99.1	94.9	78.8	41.4	86.5	916
	03-05	100.0	100.0	100.0	100.0	99.7	99.0	95.8	81.7	43.8	87.2	928
	06-08	100.0	100.0	100.0	100.0	99.8	98.9	96.2	81.6	44.4	87.3	923
	09-11	100.0	100.0	100.0	100.0	99.7	99.0	94.0	76.1	36.4	85.6	924
	12-14	100.0	100.0	100.0	99.7	99.5	96.7	78.8	50.8	14.4	79.6	919
	15-17	100.0	100.0	100.0	99.9	99.5	95.2	75.4	45.1	10.5	76.2	924
	18-20	100.0	100.0	100.0	100.0	99.9	99.1	90.4	67.6	19.0	82.8	921
	21-23	100.0	100.0	100.0	100.0	100.0	99.4	94.2	77.0	30.7	85.2	921
TOTALS		100.0	100.0	100.0	100.0	99.8	98.3	90.0	69.8	30.1	84.1	7385

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-88
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	99.8	95.8	79.4	39.5	66.5	840
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	96.1	85.1	48.8	80.1	840
	06-08	100.0	100.0	100.0	100.0	99.9	99.6	97.5	86.8	53.7	88.7	844
	09-11	100.0	100.0	100.0	100.0	99.6	98.3	90.4	72.6	32.6	84.6	843
	12-14	100.0	100.0	100.0	99.5	93.7	82.1	63.2	38.5	12.5	74.4	845
	15-17	100.0	100.0	99.9	98.1	89.4	74.8	52.1	30.7	11.1	71.2	840
	18-20	100.0	100.0	100.0	100.0	98.6	92.3	76.0	47.9	16.2	78.6	841
	21-23	100.0	100.0	100.0	100.0	99.8	97.9	91.1	69.1	25.7	83.5	841
	TOTALS	100.0	100.0	100.0	99.7	97.6	93.1	82.8	62.8	30.0	62.0	6734

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: MAR

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%		
MAR	00-02	100.0	100.0	100.0	100.0	99.1	96.8	88.2	61.9	16.0	81.7	416
	03-05	100.0	100.0	100.0	100.0	99.8	98.8	94.3	73.0	26.6	84.5	426
	06-08	100.0	100.0	100.0	100.0	99.7	99.0	93.6	75.6	33.4	85.2	425
	09-11	100.0	100.0	100.0	99.2	96.5	89.6	68.2	42.5	13.0	76.5	424
	12-14	100.0	100.0	99.1	94.6	81.2	57.1	31.6	15.6	3.5	63.9	93
	15-17	100.0	100.0	98.6	88.6	73.9	49.8	23.3	11.1	2.2	60.3	926
	18-20	100.0	100.0	99.9	97.5	90.4	73.2	45.4	20.3	3.9	68.8	925
	21-23	100.0	100.0	100.0	100.0	98.7	93.1	74.8	43.2	8.8	77.3	925
	TOTALS	100.0	100.0	99.7	97.5	92.4	82.2	64.9	42.9	13.4	74.8	7394

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	100.0	98.3	91.3	77.6	56.2	19.8	79.8	892
	03-05	100.0	100.0	100.0	100.0	99.6	96.8	86.4	67.6	28.3	83.2	891
	06-08	100.0	100.0	100.0	100.0	99.6	96.5	85.8	65.7	26.8	82.9	891
	09-11	100.0	100.0	99.9	94.9	85.5	69.3	47.3	27.3	7.7	68.9	891
	12-14	100.0	99.9	93.9	79.8	60.1	41.2	24.0	11.5	1.7	56.8	897
	15-17	100.0	99.3	88.9	72.8	53.9	38.0	22.7	11.4	2.3	54.7	894
	18-20	100.0	100.0	95.9	83.8	71.2	54.8	38.6	21.4	4.0	62.6	895
	21-23	100.0	100.0	100.0	97.7	88.5	77.9	60.2	38.0	9.9	73.0	881
	TOTALS	100.0	99.9	97.3	91.1	82.1	70.7	55.3	37.4	12.6	70.2	7151

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 79-87
MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
MAY	00-02	100.0	100.0	100.0	99.9	99.4	95.9	87.3	62.5	17.5	81.8	925	
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	94.4	77.7	30.4	85.6	923	
	06-08	100.0	100.0	100.0	100.0	99.3	97.0	91.4	68.0	23.6	83.4	927	
	09-11	100.0	100.0	99.9	97.7	89.5	71.8	47.7	22.5	5.1	69.2	926	
	12-14	100.0	99.9	98.5	86.6	66.5	44.7	29.0	12.1	2.6	59.6	924	
	15-17	100.0	99.9	96.9	83.3	61.8	40.1	26.5	13.7	2.2	57.9	921	
	18-20	100.0	100.0	99.1	93.1	78.5	54.6	37.5	21.8	4.7	64.3	923	
	21-23	100.0	100.0	100.0	99.5	96.8	86.5	66.3	38.7	10.0	75.3	915	
	TOTALS	100.0	100.0	99.3	95.0	86.5	73.7	60.0	39.6	12.0	72.1	7386	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.9	99.1	94.1	58.3	12.3	52.3	892
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	98.8	81.7	21.5	86.1	892
	06-08	100.0	100.0	100.0	100.0	99.9	99.0	91.8	59.7	11.9	82.1	894
	09-11	100.0	100.0	100.0	99.6	93.6	68.2	37.1	13.0	1.0	66.8	895
	12-14	100.0	100.0	99.4	92.7	67.3	35.1	18.3	5.8	.3	57.5	891
	15-17	100.0	100.0	98.9	87.2	58.8	32.5	17.1	5.7	.9	55.8	895
	18-20	100.0	100.0	99.9	97.2	79.1	47.9	26.2	11.2	1.3	61.9	894
	21-23	100.0	100.0	100.0	100.0	99.3	90.9	66.1	30.9	5.3	74.9	895
	TOTALS	100.0	100.0	99.8	97.1	87.2	71.6	56.2	33.3	6.8	70.9	7150

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN [RELATIVE HUMIDITY]	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	100.0	99.3	91.8	46.7	7.4	80.9	922
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	97.2	74.8	14.8	84.6	925
	06-08	100.0	100.0	100.0	100.0	100.0	98.5	88.9	57.0	9.8	81.4	921
	09-11	100.0	100.0	99.9	99.0	89.3	64.7	36.7	14.0	1.8	66.2	921
	12-14	100.0	99.9	97.5	87.9	59.4	33.3	18.6	6.5	.9	56.1	926
	15-17	100.0	99.9	96.0	79.9	49.9	29.1	17.4	7.2	1.4	53.7	915
	18-20	100.0	100.0	98.9	92.1	69.7	40.4	25.0	10.8	1.3	59.6	924
	21-23	100.0	100.0	99.9	99.6	97.8	86.4	58.1	24.4	3.7	72.6	926
	TOTALS	100.0	100.0	99.0	94.8	83.3	69.0	54.2	30.4	5.1	69.4	7387

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: AUG

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	(RELATIVE HUMIDITY)	NUM	
AUG	00-02	100.0	100.0	100.0	100.0	99.7	98.4	92.3	57.7	12.4	82.1	921	
	03-05	100.0	100.0	100.0	100.0	99.9	99.5	97.6	76.8	21.3	85.4	923	
	06-08	100.0	100.0	100.0	100.0	99.9	99.1	94.0	69.4	19.6	84.2	924	
	09-11	100.0	100.0	100.0	99.3	92.7	71.7	43.9	18.9	3.6	68.6	919	
	12-14	100.0	100.0	99.4	87.8	57.9	33.8	17.3	8.1	.9	56.1	927	
	15-17	100.0	100.0	98.8	81.8	51.3	28.4	16.6	6.5	.4	54.1	919	
	18-20	100.0	100.0	99.7	96.0	78.7	50.1	29.2	13.8	2.5	62.7	921	
	21-23	100.0	100.0	100.0	100.0	99.7	93.5	72.6	34.2	5.8	76.2	921	
	TOTALS	100.0	100.0	99.7	95.6	85.0	71.8	57.9	35.7	8.3	71.2	7380	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 7P-97
MONTH: SEP

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN (RELATIVE HUMIDITY)	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.9	99.0	95.2	73.2	16.4	84.2	896
	03-05	100.0	100.0	100.0	100.0	99.7	99.4	95.7	81.5	36.6	87.0	898
	06-08	100.0	100.0	100.0	100.0	99.9	99.7	95.2	80.6	37.2	87.0	894
	09-11	100.0	100.0	100.0	99.8	96.5	83.5	61.3	29.9	7.4	73.5	897
	12-14	100.0	100.0	99.6	93.7	72.0	39.1	19.5	8.0	1.3	59.1	896
	15-17	100.0	100.0	96.3	88.6	64.4	33.1	19.0	9.2	1.5	57.0	894
	18-20	100.0	100.0	100.0	98.4	92.5	72.9	43.6	16.2	2.9	68.3	892
	21-23	100.0	100.0	100.0	99.9	99.2	97.3	86.8	47.7	7.6	79.7	897
TOTALS		100.0	100.0	99.7	97.6	90.5	78.0	64.5	43.3	13.9	74.5	7166

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87

MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.4	95.8	83.8	40.9	87.5	924
	03-05	100.0	100.0	100.0	100.0	100.0	98.6	96.1	86.3	49.8	88.7	925
	06-08	100.0	100.0	100.0	100.0	100.0	99.1	96.8	86.0	53.4	89.1	924
	09-11	100.0	100.0	100.0	100.0	98.6	95.4	84.5	58.7	27.0	81.5	21
	12-14	100.0	100.0	99.7	97.7	89.6	72.2	46.5	20.7	4.2	68.5	927
	15-17	100.0	100.0	99.5	96.8	85.2	68.1	42.5	16.4	2.9	66.7	924
	18-20	100.0	100.0	100.0	99.6	98.3	93.4	80.4	42.3	7.0	77.9	927
	21-23	100.0	100.0	100.0	100.0	99.6	98.1	91.9	72.2	22.4	84.1	927
	TOTALS	100.0	100.0	99.9	99.3	96.4	90.5	79.3	58.3	25.3	80.5	7414

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NOB OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	100.0	100.0	99.2	93.6	79.9	48.3	87.6	897
	03-05	100.0	100.0	100.0	100.0	100.0	99.4	94.7	82.8	55.0	88.8	891
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	96.1	84.9	56.7	89.2	891
	09-11	100.0	100.0	100.0	100.0	99.4	97.1	88.8	71.9	37.8	85.0	890
	12-14	100.0	100.0	100.0	99.6	96.6	85.4	61.8	38.0	12.1	74.8	891
	15-17	100.0	100.0	100.0	99.9	97.4	86.5	61.7	34.9	10.1	74.4	893
	18-20	100.0	100.0	100.0	100.0	99.4	97.0	88.1	64.0	21.3	82.3	896
	21-23	100.0	100.0	100.0	100.0	99.6	98.9	91.7	74.6	35.1	85.5	894
TOTALS		100.0	100.0	100.0	99.9	99.1	95.3	84.6	66.4	34.6	83.5	7147

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-87
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN	TOTAL
		10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NUM OBS	
DEC	00-02	100.0	100.0	100.0	100.0	99.4	97.9	94.2	79.2	41.3	86.4	25	
	03-05	100.0	100.0	100.0	100.0	99.6	98.2	95.4	82.1	48.9	87.5	90	
	06-08	100.0	100.0	100.0	100.0	99.6	98.2	95.1	82.3	48.3	87.6	90	
	09-11	100.0	100.0	100.0	99.9	99.5	97.8	92.7	75.2	39.1	85.7	917	
	12-14	100.0	100.0	100.0	99.6	98.5	95.3	80.5	51.0	14.3	79.3	924	
	15-17	100.0	100.0	100.0	99.8	98.4	94.7	77.5	47.8	12.0	78.6	907	
	18-20	100.0	100.0	100.0	99.7	98.5	97.4	90.2	67.2	21.2	82.9	924	
	21-23	100.0	100.0	100.0	100.0	99.1	98.0	92.6	75.7	33.4	85.0	903	
	TOTALS	100.0	100.0	100.0	99.9	99.1	97.2	89.8	70.1	32.3	84.1	7391	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAU

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN (RELATIVE HUMIDITY)	TOTAL (RELATIVE HUMIDITY)
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	ALL	100.0	100.0	100.0	100.0	99.8	98.3	90.0	69.8	39.1	84.1	7781	
FEB		100.0	100.0		99.7	97.6	93.1	62.8	63.8	30.0	82.0	6734	
MAR		100.0	100.0	99.7	97.5	92.4	82.2	64.9	42.9	13.4	74.8	7794	
APR		100.0	99.9	97.3	91.1	82.1	70.7	55.3	37.4	12.6	70.2	7151	
MAY		100.0	100.0	99.3	95.0	86.5	73.7	60.0	39.6	12.0	72.1	7381	
JUN		100.0	100.0	99.8	97.1	87.2	71.6	56.2	33.3	6.8	70.9	7151	
JUL		100.0	100.0	99.0	94.8	83.3	69.0	54.2	30.4	5.1	69.4	7387	
AUG		100.0	100.0	99.7	95.6	85.0	71.8	57.9	35.7	8.3	71.2	7381	
SEP		100.0	100.0	99.7	97.6	90.5	78.0	64.5	43.3	13.9	74.5	7161	
OCT		100.0	100.0	99.9	99.3	96.4	90.5	79.3	58.3	25.3	80.5	7411	
NOV		100.0	100.0	100.0	99.9	99.1	95.3	84.6	66.4	34.6	83.5	7147	
DEC		100.0	100.0	100.0	99.9	99.1	97.2	89.8	70.1	32.3	84.1	7791	
TOTALS		100.0	100.0	99.5	97.3	91.6	82.6	70.0	49.3	18.7	76.4	67044	

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PRESSURE SUMMARIES

STATION PRESSURE SUMMARIES:

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES:

DATA DERIVED FROM HOURLY OBSERVATIONS.

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

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES ARE UNAVAILABLE FOR METAR REPORTING STATIONS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	28.582	28.626	28.486	28.581	28.549	28.535	28.618	28.616	28.687	28.516	28.627	28.521	28.583
	SD	.297	.249	.234	.155	.175	.126	.136	.120	.207	.246	.270	.381	.247
	TOT OBS	126	112	81	62	93	61	83	94	116	92	117	121	1158
04	MEAN	28.567	28.614	28.477	28.566	28.549	28.529	28.596	28.607	28.659	28.517	28.617	28.500	28.571
	SD	.292	.259	.223	.153	.180	.132	.135	.118	.151	.259	.275	.384	.244
	TOT OBS	124	115	84	61	92	63	82	96	121	93	117	124	1172
07	MEAN	28.566	28.609	28.476	28.589	28.551	28.551	28.614	28.614	28.680	28.507	28.632	28.497	28.577
	SD	.299	.268	.229	.144	.183	.134	.137	.124	.155	.245	.275	.391	.246
	TOT OBS	126	115	83	61	94	63	85	94	127	95	113	124	1160
10	MEAN	28.590	28.633	28.495	28.612	28.560	28.559	28.617	28.616	28.693	28.532	28.654	28.512	28.593
	SD	.297	.263	.230	.144	.180	.138	.143	.119	.152	.246	.281	.382	.244
	TOT OBS	122	109	84	63	98	66	81	98	119	96	118	114	1168
13	MEAN	28.579	28.618	28.476	28.585	28.545	28.541	28.614	28.603	28.674	28.523	28.645	28.495	28.579
	SD	.298	.249	.233	.151	.181	.126	.144	.116	.150	.252	.263	.382	.242
	TOT OBS	122	108	79	63	98	62	81	94	122	94	116	118	1157
16	MEAN	28.591	28.592	28.447	28.559	28.532	28.526	28.596	28.586	28.651	28.502	28.637	28.492	28.564
	SD	.306	.249	.219	.160	.173	.127	.135	.112	.147	.241	.265	.384	.241
	TOT OBS	112	102	82	62	91	64	81	88	119	95	114	117	1127
19	MEAN	28.581	28.608	28.471	28.570	28.522	28.527	28.589	28.587	28.661	28.510	28.639	28.507	28.567
	SD	.305	.245	.225	.145	.175	.128	.138	.112	.147	.246	.268	.382	.241
	TOT OBS	116	107	84	62	96	62	83	92	118	93	115	118	1146
22	MEAN	28.589	28.630	28.491	28.606	28.555	28.548	28.612	28.616	28.672	28.535	28.637	28.501	28.585
	SD	.306	.245	.223	.133	.176	.130	.135	.116	.149	.254	.277	.384	.244
	TOT OBS	124	113	86	61	92	61	81	89	117	96	118	122	1160
ALL	MEAN	28.580	28.617	28.477	28.584	28.546	28.540	28.607	28.606	28.672	28.518	28.636	28.503	28.578
	SD	.299	.253	.226	.148	.177	.130	.138	.117	.158	.248	.271	.383	.244
HOURS	TOT OBS	972	881	663	495	754	502	657	745	959	754	928	958	9268

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN HGS FROM
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 107380 STATION NAME: STUTTGART GERMANY

PERIOD OF RECORD: 78-88

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	1017.7	1019.1	1015.3	1015.2	1014.4	1016.4	1017.7	1017.2	1019.0	1018.6	1019.9	1017.5	1017.3
	SD	11.386	11.010	9.549	7.516	6.813	5.190	4.625	4.582	6.175	9.494	9.909	12.749	8.814
	TOT OBS	306	281	307	297	307	296	307	303	297	309	298	307	3615
04	MEAN	1017.9	1016.6	1014.9	1015.1	1014.1	1016.4	1017.4	1017.0	1018.8	1018.3	1019.6	1017.4	1017.1
	SD	11.370	11.109	9.690	7.525	6.970	5.157	4.672	4.653	6.285	9.533	10.034	12.791	8.876
	TOT OBS	309	278	310	295	304	299	308	301	300	306	299	308	3617
07	MEAN	1017.7	1018.5	1015.1	1015.3	1014.4	1016.5	1017.5	1017.3	1019.1	1018.6	1019.8	1017.2	1017.2
	SD	11.321	11.250	9.697	7.609	6.924	5.184	4.682	4.693	6.371	9.510	10.073	12.809	8.685
	TOT OBS	307	282	310	300	308	298	305	308	298	310	299	306	3635
10	MEAN	1018.2	1018.7	1015.2	1015.0	1013.8	1016.1	1017.0	1016.9	1018.9	1018.8	1020.3	1017.8	1017.2
	SD	11.349	11.184	9.781	7.618	6.958	5.137	4.627	4.548	6.278	9.558	10.003	12.829	8.921
	TOT OBS	309	281	307	294	310	298	308	304	300	309	294	305	3619
13	MEAN	1017.4	1018.2	1014.4	1013.9	1013.0	1015.4	1016.3	1015.9	1017.8	1017.6	1019.2	1016.8	1016.3
	SD	11.290	10.915	9.659	7.534	6.858	5.039	4.619	4.440	6.139	9.288	9.731	12.583	8.701
	TOT OBS	308	282	309	297	306	297	305	308	298	306	299	307	3626
16	MEAN	1016.9	1017.4	1013.4	1013.1	1012.4	1014.8	1015.6	1015.2	1017.0	1017.0	1018.5	1016.4	1015.6
	SD	11.335	10.611	9.606	7.462	6.637	5.012	4.663	4.361	5.952	9.168	9.646	12.621	8.694
	TOT OBS	306	282	308	299	305	298	308	305	297	308	295	305	3616
19	MEAN	1017.5	1018.5	1014.0	1013.5	1012.8	1014.7	1015.6	1015.5	1017.6	1017.9	1019.5	1017.0	1016.2
	SD	11.504	10.611	9.697	7.425	6.526	5.055	4.670	4.420	5.981	9.329	9.796	12.581	8.790
	TOT OBS	309	281	307	296	306	298	305	304	297	308	299	307	3621
22	MEAN	1018.0	1019.0	1015.0	1014.8	1014.2	1016.1	1017.0	1017.0	1018.9	1018.6	1019.9	1017.3	1017.1
	SD	11.634	10.701	9.642	7.569	6.497	5.066	4.755	4.475	6.144	9.490	9.946	12.693	8.807
	TOT OBS	308	279	304	296	302	297	305	308	298	305	299	305	3610
ALL	MEAN	1017.6	1018.5	1014.7	1014.5	1013.6	1015.8	1016.8	1016.5	1018.4	1018.2	1019.6	1017.2	1016.8
	SD	11.389	10.921	9.671	7.565	6.807	5.144	4.723	4.582	6.294	9.427	9.891	12.696	8.838
	TOT OBS	2462	2246	2462	2374	2448	2381	2467	2441	2385	2461	2382	2450	28959