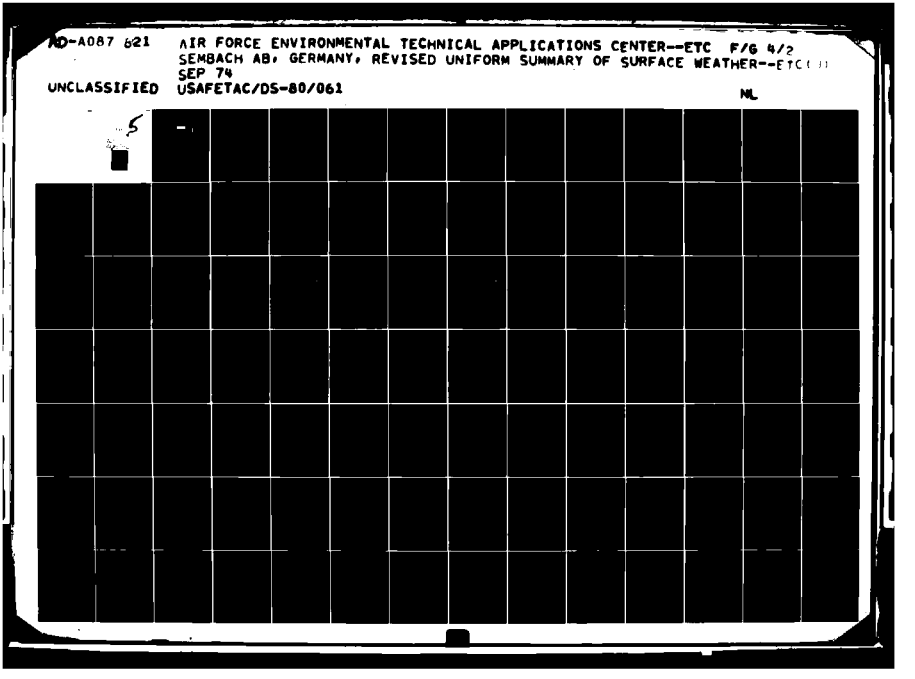
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USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

SEMBACH AB GERMANY WBAN #34056
N 49 31 E 007 52 FLD ELEV 1052 FT EDAS WMO#10712

PARTS A-F

POR FROM HOURLY OBS JUL 53-DEC 72
POR FROM DAILY OBS JUL 53-DEC 72

SEP 27 1974

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1 REPORT NUMBER: USAFETAC/DS-80/61	2 GOVT ACCESSION NO. / 3 RECIPIENT'S CATALOG NUMBER
4 TITLE (and Subtitle): Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Sembach AB, Germany	5 TYPE OF REPORT & PERIOD COVERED: Final rept.
	6 PERFORMING ORG. REPORT NUMBER
7 AUTHOR(s)	8 CONTRACT OR GRANT NUMBER(s)
9 PERFORMING ORGANIZATION NAME AND ADDRESS: USAFETAC/OL-A, Air Force Environmental Technical Appl. Center, Scott AFB IL 62225	10 PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11 CONTROLLING OFFICE NAME AND ADDRESS: USAFETAC/CBD, Air Weather Service (MAC), Scott AFB IL 62225	12 REPORT DATE: 24 Sept 74 / 13 NUMBER OF PAGES
14 MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office)	15 SECURITY CLASS. (of this report): UNCLASSIFIED / 15a DECLASSIFICATION/DOWNGRADING SCHEDULE

16 DISTRIBUTION STATEMENT (of this Report)

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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18 SUPPLEMENTARY NOTES

19 KEY WORDS (Continue on reverse side if necessary and identify by block number)

*RUSSWO	Daily temperatures	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometeric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative Humidity	*Climatological data	(over)

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

This report is a six-part statisitical summary of surface weather observations for Sembach AB, Germany
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psybrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

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

*Germany **Sembach AB, Germany

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

THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

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REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are selected as those nearest to specified synoptic hours from a record of observations taken at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into a summary of the day's observations for each specified hour, summary of the day, remarks, etc.

DESCRIPTION OF SUMMARIES

Following each section is a brief description of the data comprising each part of the revised uniform summary. Briefly explained are the sources of the observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U.S. Weather Bureau and some foreign stations with similar reporting practices.

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0100-0200, 0400-0500, 0700-0800, 1000-1100, 1300-1400, 1600-1700, 1900-2000, 2200-2300 hours local standard time.

MISSING HOUR GROUPS

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

JANUARY_____	APRIL_____	JULY_____	OCTOBER_____
FEBRUARY_____	MAY_____	AUGUST_____	NOVEMBER_____
MARCH_____	JUNE_____	SEPTEMBER_____	DECEMBER_____

ST4.29856

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV (FT)	CALL SIGN	WMO NUMBER
34056	SEMBACH AB GERMANY	N 49 31	E 007 52	1062	EDAS	10712

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION FROM	AT THIS LOCATION TO	LATITUDE	LONGITUDE	ELEVATION ABOVE MSL STATION (FT)	ELEVATION ABOVE MSL HGT AT FME BAROMETER	OBS PER DAY
1	Sembach Germany	AB	Jul 53	22Sep 68	N 49 31	E 007 52	1064	1076	24
2	Same	Same	23Sep 68	Jun 71	Same	Same	Same	Same	13 Mon-Fri except Holidays
3	Same	Same	Jul 71	Dec 72	Same	Same	1062	1064	Same

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS. ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
1	Jul 53to Feb 56	Located on top of Control Tower.	AN/GMQ-1	None	87 Ft	
2	Mar 56to Apr 56	Located on top of Base Operations Bldg.	Same	None	85 Ft	
3	May 56to Feb 57	Located on roof of Rnwy Observation Site.	Same	None	35 Ft	
4	Mar 57to Feb 59	Located at Observing Site on approach end of Rnwy 25.	Same	None	46 Ft	
5	Mar 59to Feb 60	Located on top of Weather Observing Site,on precision end of Rnwy25.	Same	None	42 Ft	
6	Mar 60to Feb 62	Located at Observing Site on approach end of Rnwy 25.	Same	None	46 Ft	

USAFETAC FORM APR 68 0-19 (OL A)

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
7	Mar 62to Jun 71	Located adjacent to and near midpoint of Rnwy.	AN/GMQ-11	RO-2	13Ft	
8	Jul 71to Dec 72	Located 575 ft SSW of centerline at midpoint of Rnwy 07/25.	Same	Same	Same	

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PART A WEATHER CONDITIONS

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

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

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

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

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

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 63 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

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

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

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

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

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

C

Continued on Reverse

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

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

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1

WEATHER CONDITIONS

34056 STATION — SEMBACH AB GERMANY STATION NAME — 59-72 YEARS — ALL U.S.R.

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS L.S.T.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN S OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST OR SAND	SURFACE WIND WITH DIR VISIBILITY	TOTAL NO OBS
JAN	ALL	.2	14.9	1.2	11.4	.0	26.6	36.3	43.5	.2		70.9	12207
FEB		.1	12.5	.5	10.3	.0	22.8	28.7	46.9	.0	.0	66.1	11012
MAR		.1	12.4	.1	5.4	.1	17.6	17.4	46.2			56.0	12222
APR		.2	14.4	.0	1.2	.1	15.3	14.7	28.5			37.4	11816
MAY		.9	11.8		.1		11.9	10.8	21.7			28.9	12208
JUN		1.2	10.8		.0	.0	10.8	13.1	23.4			31.9	11770
JUL		1.2	9.5			.0	9.5	12.5	20.6			30.1	13042
AUG		.9	11.3				11.3	15.8	21.0			33.0	13386
SEP		.4	10.0			.0	10.0	24.1	27.8		.0	49.8	12880
OCT		.1	12.4		.2	.0	12.5	37.1	34.9			69.3	12702
NOV		.0	17.3	.2	4.1		20.9	42.3	38.8	.0		71.0	11996
DEC			18.4	1.4	7.9	.0	26.2	43.6	39.4			73.4	12413
TOTALS		.4	13.0	.3	3.3	.0	16.3	24.7	32.7	.0	.0	50.7	147334

DATA PROCESSING BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056 STATION SEMBACH AB GERMANY STATION NAME 54-72 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS L.S.T.	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	00-02		14.3	1.4	9.9		24.7	38.1	42.7	.1		70.1	1295
	03-05		14.2	1.4	10.4		25.7	40.9	37.3	.1		68.2	1467
	06-08		13.7	1.3	12.9		26.8	41.9	36.8	.2		70.0	1630
	09-11		13.5	1.3	14.3		28.5	40.2	42.5	.4		73.4	1641
	12-14		15.9	.8	12.7		28.4	32.2	45.0	.2		69.6	1650
	15-17	.1	15.4	.6	10.0	.1	25.2	28.8	44.6	.3		67.0	1624
	18-20		16.0	1.0	10.3		26.3	32.5	51.2	.2		74.7	1395
	21-23		15.8	1.4	10.4		26.6	36.1	46.0			72.9	1295
TOTALS		.0	14.9	1.2	11.4	.0	26.0	36.2	43.8	.2		70.9	12207

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1

WEATHER CONDITIONS

34056 STATION | SEMBACH AB GERMANY STATION NAME | 54-72 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS L S T	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02		12.4	.6	9.3		21.9	32.6	47.2	.1		68.8	1272
	03-05		12.2	.8	10.6		23.3	36.6	45.2	.1		70.4	1335
	06-08		13.4	1.0	11.7		25.2	41.0	44.9			72.6	1467
	09-11		13.3	.6	13.3		26.9	36.7	44.8		.1	70.3	1402
	12-14	.1	13.4	.2	10.2		23.1	31.3	46.0			66.1	1408
	15-17	.2	12.2	.3	10.3	.1	22.4	34.9	45.0			65.6	1403
	18-20	.1	12.1	.4	9.8		19.8	30.3	52.2			64.1	1275
	21-23		10.9	.4	8.7		19.4	28.9	50.2	.1		66.3	1270
TOTALS		.1	12.3	.5	10.3	.0	22.8	38.7	46.9	.0	.0	66.1	11012

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WEATHER CONDITIONS

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02		12.0	.1	4.1	.1	15.8	19.3	48.0			57.9	1295
	03-05	.1	13.3	.2	5.5		18.9	27.6	46.7			62.5	1478
	06-08	.1	12.9	.5	7.3	.1	20.0	35.3	46.6			67.3	1098
	09-11	.1	13.6	.2	7.3	.1	20.8	21.4	52.5			65.0	1040
	12-14		12.9		6.2	.1	18.8	8.3	44.8			49.7	1033
	15-17	.2	12.3		4.4	.1	16.5	6.3	37.3			41.0	1044
	18-20	.2	11.5		4.2		15.4	9.0	44.0			48.8	1299
	21-23		10.5		4.4	.1	14.8	12.2	49.6			56.1	1295
TOTALS		.1	12.4	.1	5.4	.1	17.6	17.4	46.2			56.0	12282

DATA PROCESSING BRANCH
USAF ETAC
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1

WEATHER CONDITIONS

34096 STATION | SEMBACH AB GERMANY STATION NAME | 54-72 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02		12.2		.7		12.7	19.6	28.1			39.7	1350
	03-05	.2	19.1		1.3		13.9	30.2	20.4			47.5	1427
	06-08	.2	15.8		2.0	.1	17.3	31.6	34.8			53.9	1389
	09-11	.1	17.3	.1	1.6	.1	18.8	13.1	38.0			46.1	1383
	12-14	.2	14.0		1.8	.1	15.3	4.6	25.8			28.6	1381
	15-17	.7	14.3		1.1	.1	15.3	3.0	18.3			20.6	1383
	18-20	.4	15.2		.6		15.3	5.0	24.0			27.1	1381
	21-23	.1	12.7		.7		13.4	10.3	29.4			35.6	1350
TOTALS		.2	14.4	.0	1.2	.1	15.3	14.7	28.3			37.4	11016

1

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WEATHER CONDITIONS

34056 STATION | SEMBACH AB GERMANY STATION NAME | 64-72 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS L.S.T.	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAY	00-02	.4	10.4		.1		10.8	15.3	25.6			34.9	1401
	03-05	.4	12.1		.1		12.1	28.2	28.2			47.2	1477
	06-08	.2	13.1		.2		13.3	25.0	33.0			49.6	1628
	09-11	.2	13.8		.1		13.6	5.5	28.0			32.1	1637
	12-14	1.0	13.6		.1		13.6	1.8	15.8			17.0	1695
	15-17	1.6	11.9		.1		12.0	1.4	9.2			10.6	1681
	18-20	1.9	10.0		.1		10.0	2.1	11.9			13.6	1400
	21-23	1.3	10.0		.1		10.1	6.9	22.2			26.4	1399
TOTALS		.9	11.8		.1		11.9	10.8	21.7			28.9	12808

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USAF ETAC
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1

WEATHER CONDITIONS

04036 STATION SEMBACH AB GERMANY STATION NAME 54-72 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	.7	9.8		.1		9.8	17.6	36.6			38.0	1351
	03-05	.5	9.0				9.0	32.8	29.9			51.6	1420
	06-08	.7	11.2				11.2	27.9	35.3			51.8	1375
	09-11	.4	12.0				12.0	7.7	29.2			34.3	1380
	12-14	1.4	11.6				11.6	3.3	17.4			20.1	1367
	15-17	2.9	12.3				12.3	2.0	11.9			13.4	1368
	18-20	2.1	11.0			.1	11.0	3.2	13.1			15.2	1359
	21-23	1.1	9.7				9.7	10.3	33.3			30.3	1350
TOTALS		1.2	10.8		.0	.0	10.8	13.1	23.4			31.9	11770

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WEATHER CONDITIONS

34096 STATION SEMBACH AB GERMANY STATION NAME 59-72 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH REST TO VISION	TOTAL NO. OF OBS
JUL	00-02	1.0	7.4				7.4	17.6	21.8			34.8	1889
	03-05	1.0	8.3				8.3	31.9	23.1			47.4	1990
	06-08	.6	9.9				9.9	27.8	29.6			50.9	1714
	09-11	.4	10.7				10.7	7.6	27.0			32.6	1780
	12-14	1.1	9.7				9.7	2.0	15.3			17.2	1719
	15-17	2.0	10.3				10.3	1.3	12.1			13.0	1710
	18-20	1.8	10.4			.1	10.4	2.7	12.9			15.1	1993
	21-23	1.7	8.7				8.7	9.4	22.8			29.3	1993
TOTALS		1.2	9.3			.0	9.3	12.3	20.0			30.1	13042

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

WEATHER CONDITIONS

34050 SEMBACH AB GERMANY 53-72 AUG
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02	.7	11.4				11.4	21.0	21.7			38.8	1573
	03-05	1.1	11.0				11.0	35.2	23.4			51.6	1033
	06-08	.4	11.8				11.8	37.9	28.4			55.4	1703
	09-11	.3	12.4				12.4	13.0	31.9			40.9	1737
	12-14	.3	9.7				9.7	8.8	16.6			18.9	1700
	15-17	1.4	10.0				10.0	1.5	11.7			12.8	1753
	18-20	2.2	12.9				12.9	4.1	13.6			16.7	1877
	21-23	1.0	11.1				11.1	11.0	30.9			39.0	1570
TOTALS		.9	11.3				11.3	15.8	21.0			33.0	13306

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34050 STATION SEMBACH AB GERMANY STATION NAME 52-72 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.3	10.4				10.4	24.9	27.6		.1	53.2	1484
	03-05	.3	10.6				10.6	46.7	34.9			60.7	1513
	06-08	.1	10.1				10.1	31.6	34.9			65.8	1077
	09-11	.1	8.2				8.2	22.6	27.8			53.7	1082
	12-14	.1	10.3				10.3	5.6	26.7			30.9	1081
	15-17	1.0	9.7			.1	9.8	8.3	22.1			34.8	1078
	18-20	.3	10.6				10.6	8.6	28.2			36.0	1446
	21-23	.0	9.7				9.7	19.4	30.8			48.2	1448
TOTALS		.4	10.0			.0	10.0	24.1	27.8		.0	48.8	12880

USAFETAC FORM JULY 64 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

WEATHER CONDITIONS

34056 STATION | SEMBACH AB GERMANY STATION NAME | 59-72 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02	.1	13.0		.2		13.1	51.7	31.2			69.6	1483
	03-05	.1	13.9		.4		14.0	57.7	24.4			71.7	1519
	06-08		12.5		.2		12.6	59.7	24.7			74.5	1715
	09-11		13.6		.2		13.7	41.0	36.8			69.0	1718
	12-14		13.1		.1	.2	13.1	15.5	39.5			52.0	1721
	15-17	.1	11.5		.2		11.6	9.6	38.2			48.1	1716
	18-20		10.0		.3		10.2	22.7	45.6			59.4	1448
	21-23	.1	11.4				11.4	38.5	38.6			65.0	1442
TOTALS		.1	12.4		.2	.0	12.5	37.1	34.9			63.3	12702

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34056 STATION | SEMBACH AB GERMANY STATION NAME | 59-72 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02		16.6	.2	3.1		19.5	51.4	38.3			76.8	1349
	03-05		16.9	.1	4.3		20.4	52.4	33.0	.1		74.9	1444
	06-08		17.0	.2	5.1		21.3	51.4	30.4			71.9	1026
	09-11		18.4	.1	5.7		23.1	44.9	37.4			71.4	1034
	12-14		17.3	.2	4.5		21.7	29.5	41.0			63.8	1019
	15-17		16.4	.2	3.4		19.6	28.4	41.1			60.3	1025
	18-20		17.9	.3	3.6		21.3	39.0	40.1			73.8	1350
	21-23	.1	17.4	.4	3.4		20.4	44.5	42.3	.2		74.9	1349
TOTALS		.0	17.3	.2	4.1		20.9	42.3	38.8	.0		71.0	11996

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

WEATHER CONDITIONS

34056 STATION — SEMBACH AB GERMANY STATION NAME — 53-72 YEARS — DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L S T)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02		20.4	1.1	6.6		27.4	49.9	37.6			76.8	1395
	03-05		17.9	1.5	6.8		25.1	49.9	34.0			74.7	1490
	06-08		17.9	2.0	8.9		27.3	47.4	32.9			72.1	1082
	09-11		16.9	2.1	9.6		27.6	48.4	36.4			72.2	1086
	12-14		17.1	1.7	8.2		26.3	35.0	40.8			68.3	1087
	15-17		17.9	1.0	5.3	.1	23.4	32.1	44.3			69.6	1083
	18-20		20.2	.6	6.1		26.3	41.8	48.7			76.0	1395
	21-23		20.0	.8	6.6		26.4	47.2	43.1			77.4	1393
TOTALS			18.4	1.4	7.3	.0	26.2	43.6	39.4			73.4	12413

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

WEATHER CONDITIONS

		,1	47,7	5,4	44,0	,5	64,5	71,2	77,6	1,1	93,	554
		1,2	45,2	3,5	39,2	1,6	67,8	61,3	84,5	,1	92,2	512
		2,6	47,4	,1	23,1	3,4	59,9	55,7	84,4		87,3	553
		1,	57,6	,2	9,7	4,1	61,3	50,4	69,2		71,5	536
		11,	54,4		1,3	1,3	58,6	49,5	66,8		73,1	551
		15,4	54,6			1,9	54,8	53,3	68,4		73,2	538
		15,7	54,6			1,2	54,6	53,1	71,2		77,2	579
		13,5	54,3			,8	56,3	61,3	72,3		81,4	591
		5,	46,5			,7	46,5	71,2	75,6		84,4	570
		1,	47,4		1,4	,9	48,6	81,1	81,7		91,5	564
		,5	51,5	1,2	16,5	,4	63,3	78,7	77,8	,3	91,8	557
DEC		,4	54,3	6,9	34,8	,9	69,9	74,7	76,6		93,1	569
TOTALS		6,3	52,5	1,6	13,9	1,5	59,1	63,4	75,5	,2	84,5	6677

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:		U. S. Navy and National Weather Service (USWB)	
Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 47	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

74-29961

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
FROM DAILY OBSERVATIONS

34056 SEMBACH AB GERMANY 53-72
STATION STATION NAME YEARS

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 00	1 00 2 50	2 5 5 00	5 01 10 00	10 01 25 00	25 01 50 00	OVER 50 00				MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0 1 0 4	0 5 1 4	1 5 2 4	2 5 3 4	3 5 4 4	4 5 6 4	6 5 10 4	10 5 15 4	15 5 25 4	25 5 50 4	OVER 50 4							
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	6 20	OVER 120							
JAN	28.2	18.7	5.1	15.9	10.3	13.4	5.3	3.1								53.1	546	2.15	5.55	.24
FEB	29.9	21.0	5.5	13.9	9.9	12.1	4.2	2.4	.4							48.5	495	1.84	3.00	.09
MAR	38.3	20.7	4.4	11.4	6.8	11.7	4.6	2.0								40.9	545	1.87	3.42	.70
APR	36.2	18.8	5.5	11.6	7.4	12.5	6.5	1.5								45.1	520	1.76	3.48	.91
MAY	37.8	19.7	3.5	10.9	7.2	10.7	7.6	2.8								42.5	543	2.06	3.66	.56
JUN	42.1	16.3	4.1	9.4	6.6	8.6	7.5	4.7	.9							41.9	532	2.64	5.01	.24
JUL	48.7	10.5	5.2	8.1	6.0	11.4	4.7	3.3	1.1							39.8	570	2.33	4.22	.48
AUG	39.7	14.6	3.2	8.3	6.2	14.0	8.2	4.3	1.3							45.7	556	3.02	7.31	.88
SEP	49.6	14.1	3.9	10.3	3.4	8.4	6.9	2.1	1.1							36.1	562	2.11	7.84	.02
OCT	47.7	16.3	4.9	8.0	6.2	8.9	6.4	1.2	.3							35.9	570	1.66	3.60	.12
NOV	33.6	19.7	5.4	12.4	7.8	12.1	6.1	2.2	.6							46.6	539	1.96	5.17	.27
DEC	28.0	21.7	7.7	13.4	7.7	12.7	6.8	2.2	.2							50.4	558	2.08	6.14	.15
ANNUAL	37.9	18.2	4.9	11.1	7.1	11.4	6.2	2.6	.5							43.9	6848	23.83		

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

24056 SEMBACH AB GERMANY 53-72

STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53							* .36	1.41	.44	.23	.13	.19	
54	.48	.81	.64	.40	.53	1.03	.37	.66	.53	.48	.33	.38	1.03
55	.74	.74	.37	.24	.50	1.68	.96	.72	.64	.52	.18	.56	1.68
56	.54	.18	.30	.58	.42	.68	.81	1.07	.59	.60	.70	.36	1.07
57	.26	.83	.74	.36	.30	.93	.36	.28	1.80	1.05	.24	.84	1.80
58	.69	1.10	.42	.38	.62	.60	1.92	.68	.31	.27	.28	.30	1.92
59	.35	.09	.36	.48	.36	.44	.81	2.12	.02	.32	.53	.69	2.12
60	.42	.53	.72	.47	.62	.60	.66	1.08	.82	.49	.55	.49	1.08
61	.52	.26	.24	.57	.65	1.47	1.29	.44	.28	.48	.40	.29	1.47
62	.72	1.10	.76	.70	.60	.10	1.25	.52	.81	.23	.58	.34	1.25
63	.29	.15	.55	.43	.15	.65	1.31	.41	.50	1.15	1.06	.10	1.31
64	.10	.25	.27	.67	.60	.50	.16	.49	.79	.50	1.15	.52	1.15
65	1.00	.27	.59	.59	.60	1.07	.69		.07	.12	.79	1.00	
66	.73	.71	.58	.38	.90	.68	.99	1.27	.81	.88	.38	1.34	1.34
67	.25	.55	.44	.47	.58	.35	1.22	.68	2.09	.46	.38	.71	2.09
68	* .82	.24	.68	.70	.62	1.22	.69	1.73	1.14	.32	.28	.49	1.73
69	* .34	.89	.68	.36	.67	.64	.57	.67	.18	.08	.83	.12	* .89
70	* .33	.88	.21	.48	.77	.37	.44	.38	.71	.62	.68	.36	* .82
71	* .61	.23	.58	.63	.83	.73	.96	.97	.83	.73	1.19	.20	* 1.19
72	* .28	.08	.28	.37	.49	.80	1.49	.81	.19	.68	.64	.30	* 1.49
MEAN	.492	.521	.469	.468	.507	.781	.906	.886	.815	.694	.586	.508	1.427
S.D	.239	.246	.178	.142	.176	.298	.481	.300	.370	.288	.244	.268	.391
TOTAL OBS.	244	198	248	238	248	238	270	280	248	274	229	228	6248

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM AIR 64 0-88-5 (OL)

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

1

EXTREMES/NORMALS
MONTHLY PRECIPITATION

34050 SEMBACH AB GERMANY 53-72
STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53							*	1.60	2.07	2.17	.81	.27	.99	
54		2.66	1.71	1.29	2.49	1.30	2.37	2.74	4.99	4.36	2.42	1.00	1.94	28.87
55		2.89	3.31	1.27	.91	2.81	5.01	2.81	2.17	2.27	1.39	.64	3.53	28.37
56		2.68	.62	.92	2.68	1.80	2.31	2.49	3.72	1.76	2.92	1.89	1.05	25.44
57		1.53	4.01	2.94	.94	1.86	3.30	1.06	2.04	7.84	1.42	.82	1.75	29.21
58		3.85	5.00	1.23	1.23	3.66	2.96	2.30	3.58	1.10	1.29	1.28	3.10	32.84
59		1.90	.09	1.42	1.86	1.29	1.68	1.30	3.22	.02	1.90	.89	3.19	18.25
60		1.97	2.27	1.19	1.21	2.09	1.82	2.92	3.39	1.42	3.00	3.23	2.27	29.98
61		3.07	1.61	.77	1.86	2.48	4.48	3.35	1.45	.98	2.11	1.36	1.94	25.46
62		1.99	2.36	2.27	1.72	2.11	.24	2.09	1.07	2.42	.33	1.81	2.04	20.36
63		1.23	.80	3.48	1.16	.56	2.81	2.05	3.24	1.48	1.85	3.17	.15	23.07
64		.24	1.13	1.87	1.48	1.40	1.21	.48	1.66	2.17	2.00	3.08	1.83	19.17
65		3.35	1.01	2.80	2.79	2.88	4.19*	3.81		3.31	.83	3.16	6.14	
66		2.36	2.24	2.10	2.43	2.13	3.85	4.22	4.26	.49	2.82	2.40	4.89	34.21
67		1.12	1.88	1.90	1.68	2.22	1.37	2.15	2.92	5.35	3.30	1.88	2.99	28.46
68	*	3.39	1.99	1.89	2.19	2.00	2.97	3.91	7.21*	2.18*	1.99*	.20*	1.03	*31.14
69	*	1.00*	1.79*	1.67*	1.01*	1.13*	3.02*	1.70*	3.85*	.96*	.12*	1.17*	.41	*16.06
70	*	1.88*	2.22*	.76*	1.04*	1.44*	.70*	2.12*	.80*	1.40*	1.09*	1.01*	1.03	*15.48
71	*	1.31*	.71*	.70*	.99*	2.03*	2.70*	.85*	1.01*	.68*	.95*	2.00*	.36	*13.29
72	*	.90*	.24*	1.12*	2.42*	2.94*	2.79*	2.22*	2.12*	.80*	.90*	3.38*	.87	*21.12
MEAN	*	2.182	1.837	1.673	1.764	2.020	2.636	2.329	3.018	2.103	1.601	1.901	2.054	26.038
S.D.	*	1.338	1.234	.776	.768	.710	1.307	1.004	1.015	1.912	.999	1.448	1.269	6.193
TOTAL OBS.		540	495	540	520	540	522	570	536	562	570	540	536	6340

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM JUL 64 0-80-5 (OLI)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
FROM DAILY OBSERVATIONS

34050 STATION | SEMBACH AB GERMANY STATION NAME | 53-72 YEARS

	AMOUNTS (INCHES)																PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01 .04	.02 .05	.06 .10	.11 .5	.26 .50	.51 1.00	1.01 2.50	2.51 5.00	5.01 10.00	10.01 20.00	OVER 20.00						MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	.01 0.4	0.5 1.4	1.5 2.4	2.5 3.4	3.5 4.4	4.5 6.4	6.5 10.4	10.5 15.4	15.5 25.4	25.5 50.4	OVER 50.4								
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 20	OVER 20								
JAN	58.4	18.0	10.7	8.4	3.1	.7	.4	.2	.2								28.6	550	6.1	19.3	TRACE
FEB	60.7	19.0	9.3	8.3	1.6	.6	.2	.2									20.4	496	4.2	15.0	.0
MAR	75.0	14.1	4.6	3.7	1.2	.4	.4										10.3	546	2.4	8.3	.0
APR	89.8	7.7	1.2	.9	.2												2.3	530	.4	2.2	.0
MAY	98.2	1.8																551	TRACE	TRACE	.0
JUN	100.0																	539	.0	.0	.0
JUL	100.0																	576	.0	.0	.0
AUG	100.0																	591	.0	.0	.0
SEP	100.0																	569	.0	.0	.0
OCT	99.2	.7																558	TRACE	TRACE	.0
NOV	84.2	8.3	1.9	3.0	1.8	.4	.2	.2									7.2	530	2.4	10.3	.0
DEC	68.4	21.8	8.0	3.0	1.1	.4											14.3	500	2.4	7.0	TRACE
ANNUAL	85.4	7.4	3.0	2.4	.7	.2	.1	.0	.0								6.3	6392	27.9		

1210 WS FORM JUL 64 0-15-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF/ETAC/DL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DATA THROUGH [illegible]

34036 STATION SEMBACH AB GERMANY STATION NAME 53-72 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						M	.0	.0	.0	.0	TRACE	.1	
54	2.8	1.4	.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.8
55	1.7	2.8	1.8	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	1.9	2.8
56	3.3	1.8	.8	.9	TRACE	.0	.0	.0	.0	.0	2.0	.8	3.3
57	2.6	.6	.0	.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.6
58	3.2	6.4	3.2	1.9	.0	.0	.0	.0	.0	.0	.0	.4	6.4
59	3.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.8	3.5
60	1.6	.4	.4	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.9	2.9
61	5.8	1.2	.1	.0	.0	.0	.0	.0	.0	TRACE	1.3	.2	5.8
62	TRACE	2.4	3.2	TRACE	.0	.0	.0	.0	.0	.0	4.8	1.2	4.8
63	2.1	1.3	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.1
64	.7	.9	1.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.8	1.8
65	1.7	1.0	3.3	TRACE	.0	.0	.0	.0	.0	.0	2.0	.7	3.3
66	1.4	.0	1.8	.0	.0	.0	.0	.0	.0	TRACE	2.4	1.4	2.4
67	1.2	.1	.2	.8	.0	.0	.0	.0	.0	.0	2.6	2.3	2.6
68	3.0	2.6	1.7	.7	.0	.0	.0	.0	.0			.8	
69	* 2.0*	2.0*	TRACE*	.2*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	1.2	* 2.0
70	* 1.1*	2.7*	2.0*	1.4*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	2.0	* 2.7
71	* .1*	.3*	4.3*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	4.0*	.4	* 4.3
72	* 1.1*	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	2.0*	TRACE	* 2.6
MEAN	2.31	1.97	1.38	.38	TRACE	.00	.00	.00	.00	TRACE	1.81	.99	3.27
S D	1.099	1.310	1.049	.551	.000	.000	.000	.000	.000	.000	1.258	.803	1.360
TOTAL OBS	990	990	990	990	990	990	990	990	990	990	990	990	990

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM AL 60 0-88-5 (OLI)

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

[redacted]
MONTHLY SNOWFALL

34056 STATION SEMBACH AB GERMANY STATION NAME 53-72 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						*	.0	.0	.0	.0	TRACE	.1	
54	12.8	2.1	.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	16.8
55	7.5	13.5	5.1	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	29.0
56	6.7	3.6	.6	1.2	TRACE	.0	.0	.0	.0	.0	2.0	2.0	19.4
57	7.4	.6	.0	.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	8.1
58	6.4	18.0	8.3	2.2	.0	.0	.0	.0	.0	.0	.0	.6	32.5
59	8.3	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.8	9.1
60	4.0	1.0	.6	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	6.4	12.0
61	9.3	1.8	.1	.0	.0	.0	.0	.0	.0	TRACE	1.3	.4	12.9
62	TRACE	6.2	6.4	TRACE	.0	.0	.0	.0	.0	.0	10.8	3.0	26.3
63	6.7	6.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.4	14.8
64	.9	2.3	2.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.7	12.3
65	9.9	6.1	5.8	TRACE	.0	.0	.0	.0	.0	.0	7.1	2.1	* 31.0
66	3.9	.0	3.3	.0	.0	.0	.0	.0	.0	TRACE	8.8	4.0	19.9
67	4.0	.3	.2	1.2	.0	.0	.0	.0	.0	.0	2.9	7.0	15.6
68	19.2	5.8	4.6	.7	.0	.0	.0	.0	.0	.0	*	.9	
69	* 3.6	7.8	TRACE	.2	TRACE	.0	.0	.0	.0	.0	1.7	2.7	* 15.7
70	* 2.8	9.8	2.0	2.8	TRACE	.0	.0	.0	.0	.0	.0	2.1	* 17.7
71	* .1	1.0	6.4	.0	.0	.0	.0	.0	.0	.0	6.3	.4	* 14.2
72	* 3.4	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.0	TRACE	* 8.0
MEAN	6.1	4.8	2.0	.8	TRACE	.0	.0	.0	.0	TRACE	2.3	2.3	17.1
S.D	4.6	4.0	2.3	.7	.0	.0	.0	.0	.0	.0	3.3	2.3	7.6
TOTAL OBS	230	228	226	230	231	232	232	232	228	230	230	230	2892

NOTE * (BASED ON < FULL MONTHS)

USAF ETAC FORM AFL 64 0-88-5 (OL)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
FROM DAILY OBSERVATIONS

34056 STATION — SEMBACH AB GERMANY STATION NAME — 53-72 YEARS

	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00				MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4							
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN	63.2	8.2	7.4	6.9	6.0	5.8	3.1									28.6	552			
FEB	69.3	7.0	3.4	5.1	5.1	7.6	2.5									23.7	472			
MAR	82.1	6.1	3.1	2.9	2.3	1.3	.2									9.8	520			
APR	99.4	.4		.2												.2	506			
MAY	100.0																551			
JUN	100.0																537			
JUL	100.0																570			
AUG	100.0																591			
SEP	100.0																568			
OCT	100.0																584			
NOV	99.8	2.7	1.6	1.1	.4	.4										3.9	550			
DEC	89.2	9.8	3.8	3.9	.8	.4	.4									10.4	568			
ANNUAL	90.7	3.0	1.7	1.7	1.2	1.2	.8									6.3	6870			

1210 WS FORM JUL 64 0-15-5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

36056 SEMBACH AB GERMANY 53-72

WBAN STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL MAXIMUM
53						*	0	0	0	0	0	TRACE	
54	8	1	TRACE	0	0	0	0	0	0	0	0	TRACE	8
55	2	11	7	0	0	0	0	0	0	TRACE	2		11
56	3	6	1	TRACE	0	0	0	0	0	0	2	2	6
57	3	3	0	0	0	0	0	0	0	TRACE	TRACE		3
58	4	2	2	2	0	0	0	0	0	0	0	2	4
59	4	1	0	0	0	0	0	0	0	0	TRACE		4
60	3	1	0	0	0	0	0	0	0	0	0	4	4
61	7	TRACE	0	0	0	0	0	0	0	TRACE	TRACE		7
62	TRACE	2	2	0	0	0	0	0	0	0	1	1	2
63	4	5	2	0	0	0	0	0	0	0	0	2	5
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	2			0	0	0	0	0	0	0	0	0	
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	9	2	1	0	0	0	0	0	0	0	0	8	9
69	*	10	TRACE	0	0	0	0	0	0	0	3	*	10
70	*	2	2	0	0	0	0	0	0	0	6	*	7
71	*	2	0	0	0	0	0	0	0	0	0	*	2
72	*	10	0	0	0	0	0	0	0	0	0	*	10
MEAN													
S.D.													
TOTAL OBS													

NOTE * (BASED ON < FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

   NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders.

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

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

   a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

   b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

C

DATA PROCESSING BRANCH
USAF/ETAC/DL 4
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

34056 SEMBACH AB GERMANY 61-72

DAILY PEAK GUSTS IN KNOTS

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61							S* *37W	40WSW	32WSW*305*	*335*	39WSW*43			
62	M	42WSW*025W	*21WSW*30WSW*31W				*30W	*34W	*27W	37WSW*23W	24WSW*35	WSW*00		
63	E	*20NE *17W	*30SW *30W		*26W		40W	*25W	*34NW	*405*	325*	43NW8*22		SW 43
64	S*	27SW	32NE	28W	*27WSW	29S*	39WSW	35W	42W	39S*	45E*	*405W *38		SW 45
65	W	48NW	33W	37SW	33WSW	32S*	40NW	44WSW	26SSW	30WSW	26WSW	495W 46		WSW 49
66	W	42N*	31SW	40W	28WSW	39S*	31W	34W	27WSW	32S*	32SSW	28WSW	39	SW 48
67	S*	34WSW	48WSW	31WSW	28WSW	33WSW	22SW	34WSW	42NNW	30S*	44S*	325*	35	WSW 53
68		40 SW	27WSW	41 W	31W W	35	28W4/	37W2/	29W0/	33W2*	24 7*	21W9*	24	70/ 41
69	24*	29W4*	22W9*	28W4*	31W7*	31W5*	27W2/	34W7/	28W5*	21W4*	20W1*	42W4*	24	23* 42
70	23*	20W1*	40W4*	33W2*	34W5*	33W4*	28W6*	39W1*	34W7*	30W4*	34W0*	35W3*	33	21* 40
71	22*	37W4*	28W4*	38W6*	36W4*	34W8*	37W4*	30W5*	32 7/	24W3*	37W4*	40W3*	31	25* 52
72	5*	38W5*	20W9*	47W4*	41W2*	37W3*	32 6*	22W5*	27 4*	21W4/	24W7*	37W4*	40	27* 57
MEAN		33.5	33.8	37.9	33.2	33.0	33.6	33.0	33.3	30.3	31.0	36.1	34.2	40.2
S D		7.0	8.2	7.9	4.9	7.7	8.3	6.9	8.4	6.8	8.1	9.8	7.7	6.7
TOTAL OBS		309	279	306	282	291	300	321	334	319	320	299	299	3585

NOTES * (BASED ON < FULL MONTHS)
& (BASED ON < FULL MONTHS AND *100 KNOTS)

USAF ETAC FORM 0-88-5 (OL)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 SEMBACH AB GERMANY 53-72

A+b WEATHER

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.4	1.0	.3	.0	.2						3.8	6.2
NNE	.7	1.1	.6	.2	.1	.2		.0				2.8	6.2
NE	1.5	3.5	2.9	1.2	.1	.0	.0					9.2	6.9
ENE	1.2	2.7	2.3	.3	.0	.0						7.1	6.6
E	.9	1.7	1.4	.4	.0	.0						4.4	6.3
ESE	.3	.4	.3	.1						.0		1.1	9.8
SE	.4	.4	.2	.0	.0							1.0	5.1
SSE	.4	.4	.2	.0	.0	.0						1.0	4.8
S	1.1	1.1	.6	.2	.0	.0	.0					2.9	5.3
SSW	.8	1.2	1.1	.6	.1	.2	.0					3.8	7.2
SW	1.0	2.5	4.0	3.7	1.0	.4	.0	.0	.0			13.0	10.0
WSW	.9	2.4	4.0	4.1	.9	.3	.1	.0	.0			12.6	10.1
W	.9	2.3	3.2	2.4	.4	.1	.0	.0				9.4	8.9
WNW	.3	.6	.5	.3	.0	.0	.0	.0				1.7	7.1
NW	.3	.7	.6	.2	.0	.0	.0	.0				1.8	6.8
NNW	.5	.9	.7	.3	.0	.0	.0					2.4	6.5
VARBL	.8	.5	.2	.1	.0	.0						1.8	5.0
CALM												20.4	
	12.7	24.1	22.9	14.8	2.9	.9	.1	.0	.0	.0		100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 147337

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 SEMBACH AB GERMANY 54-72

ALL WEATHER ALL

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56		MEAN WIND SPEED
N	.9	1.2	.6	.3	.0	.0						2.9	5.6
NNE	.8	1.1	.6	.4	.3	.1		.0				3.2	7.7
NE	1.6	4.3	3.6	2.0	.2	.0						11.8	7.4
ENE	1.5	3.2	3.0	1.6	.2	.0						9.5	7.4
E	1.0	2.2	1.7	.6	.1							5.6	6.5
ESE	.3	.3	.2	.1								1.0	5.3
SE	.3	.2	.1	.0								.6	4.6
SSE	.2	.3	.1	.0								.6	5.2
S	.9	.8	.5	.3	.0	.0						2.6	5.9
SSW	.8	1.4	1.5	1.0	.3	.1	.0					5.1	8.4
SW	.9	2.9	4.7	6.2	2.3	1.3	.1					18.6	12.0
WSW	.8	2.1	3.9	5.0	1.6	.5	.1					14.0	11.2
W	.6	1.2	2.1	1.7	.4	.2	.0					6.2	9.8
WNW	.2	.2	.3	.2	.0	.0	.0	.0				1.1	8.5
NW	.2	.2	.3	.1		.0						.9	6.8
NNW	.4	.4	.3	.1	.0	.0						1.3	6.2
VARBL	.7	.3	.0	.2	.1							1.3	5.5
CALM												14.0	
	11.9	22.5	23.6	19.7	5.5	2.0	.3	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 12207

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (HOURS LST)

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.2	1.1	.2	.0							3.4	5.8
NNE	.7	1.2	.9	.7	.3	.1						3.8	8.3
NE	1.9	4.9	4.8	2.6	.6	.2	.0					15.0	7.9
ENE	1.2	3.1	2.5	.8	.1	.0						7.8	6.5
E	.8	1.3	.9	.3	.0							3.3	6.0
ESE	.3	.3	.1	.0						.0		.7	5.2
SE	.3	.2	.1									.7	4.2
SSE	.3	.3	.1	.0								.7	4.2
S	.8	1.0	.5	.2	.1	.0						2.7	5.9
SSW	.8	1.2	1.3	.9	.1	.0						4.4	7.5
SW	.8	2.5	3.5	4.5	1.4	.6	.1	.0				13.3	11.1
WSW	.7	1.4	2.9	5.0	1.6	.8	.1	.0				12.3	11.9
W	.8	2.0	2.8	2.5	.5	.1	.0	.0				8.7	9.4
WNW	.3	.4	.4	.4	.1	.0						1.6	8.3
NW	.3	.6	.4	.4	.1		.0					1.8	7.8
NNW	.4	.9	.6	.3	.0		.0					2.4	7.0
VARBL	.5	.1	.1	.0								.8	4.2
CALM												16.9	
	11.9	22.7	23.1	18.7	4.8	1.8	.3	.0		.0		100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 11013

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.4	1.0	.2	.0							3.4	6.1
NNE	.6	1.3	.7	.3	.1	.1						3.3	6.7
NE	1.2	3.6	4.4	2.2	.5	.1						11.9	8.1
ENE	1.0	3.2	3.5	1.4	.1							9.2	7.4
E	.9	1.7	2.1	.7	.0	.0						5.5	7.1
ESE	.3	.4	.4	.2								1.3	6.6
SE	.2	.3	.1	.1	.0							.8	5.9
SSE	.4	.4	.2	.0	.0	.0						1.0	5.3
S	.9	.9	.6	.3	.1	.0	.0					2.8	6.3
SSW	.5	.8	.9	.5	.0	.0						2.7	7.4
SW	.8	1.7	2.7	3.3	.7	.2	.0					9.5	10.1
WSW	.7	1.7	3.4	4.2	1.1	.5	.1					11.7	11.1
W	.8	2.3	3.5	3.1	.6	.2	.0					10.4	9.4
WNW	.2	.6	.7	.4	.0							1.8	7.7
NW	.3	.9	.7	.4	.0	.0						2.3	7.2
NNW	.5	1.2	.7	.3	.0							2.8	6.4
VARBL	.5	.4	.3	.1	.0							1.3	5.1
CALM												18.9	
	10.7	22.8	28.9	17.8	3.3	1.1	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 12222

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.6	2.4	1.0	.1							7.0	7.1
NNE	.7	1.3	1.4	.5	.1							3.9	7.0
NE	1.1	3.4	3.7	2.1	.2	.0						10.6	7.8
ENE	.8	1.9	2.6	1.4	.0	.0						6.7	7.7
E	.8	1.2	.9	.4	.0							3.4	6.4
ESE	.2	.4	.3	.2								1.0	6.5
SE	.2	.3	.2	.0								.8	4.9
SSE	.4	.3	.1	.0								.9	4.2
S	.8	.9	.4	.1								2.2	4.9
SSW	.7	1.2	.8	.4	.1	.0						3.2	6.6
SW	.9	2.4	3.0	2.6	.6	.2						9.7	9.3
WSW	1.1	1.9	3.9	3.5	.7	.1	.0					11.2	9.6
W	.9	2.2	3.2	2.6	.5	.1						9.6	9.0
WNW	.4	.6	.6	.4	.0							2.0	6.9
NW	.4	.9	.9	.5	.1	.0						2.8	7.6
NNW	.6	1.4	1.9	1.0	.1							5.1	7.7
VARBL	.7	.6	.3	.1	.0							1.7	4.8
CALM												16.3	
	11.7	23.7	26.7	16.8	2.4	.4	.0					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 11814

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.8	1.7	.6	.0	.0						5.2	6.7
NNE	.8	1.5	.9	.2	.0							3.4	5.8
NE	1.3	3.2	3.4	1.4	.1							9.3	7.2
ENE	.8	2.3	2.5	1.0	.0	.0						6.7	7.2
E	.8	1.5	1.5	.6	.2	.1						4.7	7.5
ESE	.3	.4	.5	.1								1.3	6.2
SE	.4	.3	.2	.1	.0							1.0	5.2
SSE	.4	.3	.2	.1								.9	5.3
S	1.1	1.0	.4	.1		.0						2.6	6.6
SSW	.8	1.0	.7	.4	.1	.0	.0					3.0	6.9
SW	1.0	2.1	2.8	2.3	.6	.1						8.9	9.1
WSW	1.0	2.3	3.9	3.1	.5	.1	.0					11.1	9.1
W	1.2	2.9	3.7	2.9	.4	.1		.0				11.2	8.6
WNW	.4	.8	.7	.2	.0	.0						2.2	6.8
NW	.3	1.1	1.0	.4	.0							2.8	7.1
NNW	.6	1.0	1.3	.5	.0							3.4	7.0
VARBL	1.0	.6	.2	.1								1.9	3.9
CALM												20.5	
	13.0	24.4	28.7	13.9	1.9	.8	.0	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 12207

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) ALL (HOURS LST)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.5	1.7	.3								4.3	4.3
NNE	.7	1.2	.5	.3	.0							2.7	4.7
NE	1.2	3.2	2.4	.8	.0							7.6	5.6
ENE	1.1	2.1	2.0	.6	.0							5.8	5.5
E	.7	1.3	1.2	.6	.0							3.9	6.3
ESE	.3	.4	.2	.1								1.0	4.8
SE	.5	.4	.1	.1								1.0	4.7
SSE	.3	.4	.2	.1								1.0	4.8
S	1.0	1.1	.4	.1	.0	.0						2.6	4.5
SSW	.7	1.2	.8	.2	.0	.0						3.0	6.1
SW	1.2	2.7	3.2	2.1	.2	.0	.0					9.1	8.1
WSW	1.1	2.7	3.6	2.4	.3	.0						10.7	8.2
W	.3	.5	4.5	3.3	.3							13.0	8.4
WNW	.4	1.1	.7	.4	.0							2.5	6.9
NW	.3	1.3	.8	.3	.0							2.8	6.8
NNW	.6	1.4	1.2	.3	.0							3.5	6.4
VARBL	1.1	.6	.3	.1	.0							2.1	4.4
CALM												22.8	
	13.4	25.8	24.3	12.5	1.1	.1	.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 11768

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEYBACH AB GERMANY (STATION NAME) 53-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS ... S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.0	1.2	.2	.0							4.3	5.8
NNE	.6	.9	.4	.1								2.0	5.0
NE	1.0	2.1	1.3	.5	.0							4.9	6.1
ENE	.9	1.8	.9	.1								3.5	5.3
E	.6	1.1	.7	.1								2.4	5.4
ESE	.2	.3	.2	.0								.7	5.1
SE	.2	.3	.1	.0								.7	4.7
SSE	.4	.2	.1									.7	4.2
S	1.0	.8	.4	.0								2.1	4.4
SSW	.9	1.2	1.0	.5	.0							3.5	6.4
SW	1.1	3.6	4.2	2.6	.5	.2	.0					12.2	8.8
WSW	1.1	3.1	3.1	3.5	.6	.1						13.5	9.0
W	1.2	3.5	3.1	3.3	.4	.1						13.6	8.5
WNW	.6	1.1	1.1	.5	.1	.0						3.4	7.1
NW	.5	1.0	1.0	.2	.0							2.7	6.4
NNW	.5	1.1	1.1	.2	.0							3.0	6.4
VARBL	1.5	1.0	.5	.0								3.0	4.1
CALM												23.7	
	13.3	24.9	24.3	11.7	1.6	.4	.0					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 13030

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24056	SEMBACH AB GERMANY	59-72	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS — ALL — HOURS (L.S.T.)

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.5	.1								2.3	3.1
NNE	.7	1.0	.4	.1								2.2	4.9
NE	1.2	2.5	1.5	.4								5.6	5.7
ENE	.9	1.7	1.2	.4								4.2	6.0
E	.7	1.3	.7	.2								2.9	5.6
ESE	.4	.2	.3	.1								.9	5.2
SE	.5	.6	.4	.1								1.5	5.5
SSE	.5	.4	.2	.1	.0							1.2	5.0
S	1.5	1.4	.6	.2								3.8	4.8
SSW	1.0	1.4	1.2	.5	.0	.0						4.2	6.5
SW	1.3	3.3	4.4	3.0	.5	.1	.0					12.7	8.7
WSW	1.0	3.4	5.7	4.0	.6	.2	.0					15.0	9.3
W	.9	3.0	4.1	2.7	.5	.1	.0	.0				11.2	8.8
WNW	.4	.7	.5	.2	.0							1.8	6.3
NW	.4	.9	.6	.1	.0							2.1	5.8
NNW	.3	.7	.6	.0								1.6	5.3
VARBL	1.3	1.2	.5	.2	.0							3.2	4.9
CALM												23.3	
	14.0	24.8	29.3	12.8	1.7	.4	.1	.0				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 19385

USAFETAC FORM 0-8-4 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) ALL (HOURS L S T)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.3	.0	.0							2.1	4.8
NNE	.7	.9	.4	.0								2.0	4.8
NE	1.7	3.6	2.5	.3								8.1	5.7
ENE	1.4	3.2	2.4	.3								7.3	6.0
E	.7	1.5	1.5	.4								4.1	6.4
ESE	.4	.4	.4	.1								1.2	6.1
SE	.5	.5	.2	.0								1.2	4.5
SSE	.5	.4	.3									1.2	4.5
S	1.1	1.3	.7	.1		.0						3.2	4.8
SSW	.9	1.4	1.2	.5	.1	.0	.0					4.1	6.0
SW	1.1	3.0	4.4	2.9	.7	.3	.0	.0				12.5	9.3
WSW	.9	2.4	4.3	4.1	.7	.2	.0	.0				12.7	9.0
W	.9	2.1	2.8	2.1	.4	.0	.0					8.4	8.7
WNW	.3	.4	.4	.1	.1	.0	.0					1.2	7.3
NW	.2	.4	.4	.1	.0							1.1	6.4
NNW	.4	.6	.2	.0								1.2	4.7
VARBL	1.1	.7	.4	.1								2.3	4.6
CALM												25.9	
	13.0	23.7	22.8	11.4	2.0	.8	.1	.0				100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 12380

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10036	SEMBACH AB GERMANY	53-72	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS
ALL — HOURS (L S T)
CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.0	.6	.1	.0							2.3	3.6
NNE	.8	1.1	.5	.1								2.4	3.0
NE	1.9	3.6	2.0	.4	.0							8.0	5.7
ENE	1.5	3.6	2.1	.4	.0	.0						7.8	5.9
E	1.0	1.9	1.4	.2	.0							4.6	5.7
ESE	.3	.2	.3	.0								.8	3.5
SE	.3	.4	.2	.0								1.0	4.9
SSE	.4	.3	.1	.0								.9	4.2
S	1.3	1.0	.7	.2	.0							3.3	5.3
SSW	.9	1.3	1.2	.7	.2	.0						4.2	7.6
SW	1.2	3.3	4.6	4.2	.8	.1	.0					14.4	9.3
WSW	1.0	2.6	4.3	3.4	.6	.2						12.2	9.3
W	.8	2.1	2.2	1.1	.2	.0						6.4	7.6
WNW	.3	.4	.3	.2								1.2	6.5
NW	.2	.4	.4	.1	.0							1.1	6.6
NNW	.3	.3	.3	.1								1.2	5.8
VARBL	.8	.4	.4	.2	.0							1.9	5.9
CALM												26.4	
	13.6	24.3	21.8	11.4	2.0	.4	.0					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 12702

USAFETAC FORM 0-8-5 OL-A JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.2	.6	.1								2.8	5.1
NNE	.9	1.3	.3	.2								2.7	4.9
NE	1.9	4.6	3.6	1.3	.0							11.4	6.5
ENE	1.5	3.5	2.9	1.0	.0							8.9	6.5
E	1.3	2.4	1.9	.6								6.1	6.1
ESE	.4	.7	.3	.1								1.4	5.6
SE	.4	.6	.4	.1	.0							1.5	5.6
SSE	.4	.5	.3	.1								1.3	5.4
S	1.2	1.4	1.0	.3	.0							3.8	5.6
SSW	.8	1.1	1.4	.7	.2	.0						4.2	7.6
SW	1.2	3.4	4.7	4.7	1.2	.6	.1	.0				16.0	10.2
WSW	.9	2.2	3.1	3.6	.9	.4	.1	.0				11.1	10.4
W	.8	1.6	1.9	1.3	.3	.1	.0	.0				5.9	8.6
WNW	.3	.4	.2	.0	.0							.9	5.6
NW	.2	.4	.3	.1								.9	5.8
NNW	.3	.7	.3	.1	.0							1.4	6.1
VARBL	.4	.1	.1	.4	.2	.0						1.3	9.9
CALM												18.3	
	13.7	26.2	23.1	14.5	3.0	1.1	.2	.0				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 11998

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) ALL (HOURS OF OBS.)

(SECTION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	.7	.1								2.3	5.9
NNE	.6	.8	.4	.2	.0							2.0	5.4
NE	1.7	3.1	2.2	.8	.0							8.0	6.1
ENE	1.3	3.2	2.3	.6								7.5	6.1
E	1.3	2.8	2.3	.2	.0							6.6	5.9
ESE	.3	.5	.3	.1								1.2	5.7
SE	.3	.2	.2	.1								1.0	5.1
SSE	.4	.4	.1	.1								.9	4.8
S	.9	1.1	.6	.2	.0							3.0	5.7
SSW	.8	1.2	1.2	1.0	.2							4.4	7.8
SW	.9	3.0	3.3	6.7	2.1	.0	.2	.1	.0			19.1	11.8
WSW	.7	2.2	3.7	5.6	2.1	.0	.1	.0	.0			15.9	12.1
W	.9	1.3	2.3	2.2	.8	.2						8.0	10.0
WNW	.2	.3	.3	.2	.1	.0	.0					1.1	8.3
NW	.3	.4	.2	.0	.0	.0		.0				1.0	6.1
NNW	.4	.6	.3	.1								1.6	6.0
VARBL	.4	.4	.1	.1	.0							1.1	5.4
CALM												15.9	
	11.9	23.2	22.9	18.2	5.3	1.9	.3	.1	.0			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 12414

DATA PROCESSING [illegible]
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

10050 SEMBACH AB GERMANY 54-68 ANN

ALL WEATHER 0000-0200

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.9	.4	.4	.							2.0	6.4
NNE	.9	.6	.5	.5	.2							2.8	7.0
NE	2.3	4.3	3.5	2.2	.2							12.5	7.2
ENE	1.5	2.7	3.2	1.7	.1	.1						9.2	7.6
E	.6	1.9	1.4	.4	.1							4.4	6.0
ESE	.3	.3	.1	.1								.8	5.6
SE	.2	.1										.4	3.0
SSE	.1	.2	.1	.1								.5	6.3
S	1.0	.9	.5		.1							2.4	5.2
SSW	1.1	1.4	1.6	.7	.2	.4						5.4	6.4
SW	1.5	2.9	5.4	5.9	2.7	1.4	.2					20.1	11.7
WSW	.8	1.4	4.2	5.1	1.5	.5						13.1	11.4
W	.4	1.4	2.2	1.2	.3	.1						5.5	9.4
WNW	.1	.4	.3	.3	.2		.1					1.4	10.6
NW	.2	.3	.2	.1								.8	6.5
NNW	.4	.4	.3	.1								1.3	4.9
VARBL	.3											.3	2.0
CALM												17.0	
	11.9	20.1	23.9	18.8	5.5	2.5	.3					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1395

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10050 STATION — SEMBACH AB, GERMANY STATION NAME — 54-72 YEARS — MAR

ALL WEATHER — 0300-0500

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.7	.7	.3								2.7	5.8
NNE	.7	1.4	.2	.5	.1	.1						2.9	6.8
NE	1.9	4.3	3.0	2.4		.1						11.9	7.1
ENE	1.7	2.7	3.0	1.6	.1	.1						9.2	7.3
E	.3	2.0	1.3	.2								4.0	6.1
ESE	.5	.6	.3									1.4	4.9
SE	.2	.2										.4	3.2
SSE	.1	.3										.4	4.5
S	.9	1.0	.4	.3	.1							2.9	6.5
SSW	.7	1.3	1.3	1.0	.1							4.9	7.4
SW	1.0	4.2	4.7	6.3	1.6	2.2						20.1	11.3
WSW	.7	2.2	4.1	4.3	1.2	.4	.1					13.2	11.0
W	.7	1.0	1.6	1.4	.3		.1					5.2	9.4
WNW	.2	.2	.1	.3			.1	.1				1.0	11.3
NW	.1	.1	.3	.1								.7	6.9
NNW	.4	.2	.1									.7	3.8
VARBL	.3	.3	.1	.1	.1							1.0	8.7
CALM												17.4	
	11.9	23.8	21.2	19.2	3.9	3.1	.2	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1667

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 STATION — SEMBACH AB GERMANY STATION NAME — 56-72 YEARS — JAN MONTH

ALL WEATHER CLASS — 0400-0800 HOURS L.S.T.

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9	.6	.1								2.3	5.3
NNE	.7	1.0	.4	.4	.4							3.0	7.6
NE	1.7	4.2	3.0	1.6	.1							10.7	7.0
ENE	2.0	3.1	2.8	1.6	.2	.1						9.6	7.1
E	1.5	2.0	1.3	.6	.1							5.5	6.0
ESE	.4	.2	.1									.7	4.3
SE	.4	.1	.1									.6	3.7
SSE	.1	.2										.4	3.8
S	1.7	.7	.6	.4	.1							3.5	5.3
SSW	1.1	1.7	1.5	.7	.1	.1						5.2	7.4
SW	1.2	3.9	3.6	6.0	1.9	1.7	.1					18.3	11.7
WSW	.9	1.7	3.3	4.8	.9	.8	.2					12.3	11.2
W	.5	1.1	2.3	1.6	.4	.2						6.1	9.9
WNW	.2	.1	.1	.2								.7	8.2
NW	.1	.1	.1	.1		.1						.4	9.2
NNW	.4	.2	.2	.1								.9	4.9
VARBL	1.0	.3	.1	.1	.1							1.8	4.9
CALM												18.1	
	14.6	21.8	19.9	18.2	4.3	2.7	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1820

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0800-1100 (HOURS - LST)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	.2	.2								2.0	5.5
NNE	.5	.6	.9	.2	.4	.2						2.9	9.1
NE	2.0	3.7	3.1	1.7	.5							11.0	7.5
ENE	1.5	3.2	3.0	1.4	.2							9.3	7.2
E	1.2	2.4	2.0	.5								6.1	6.2
ESE	.5	.2	.2									1.0	4.0
SE	.2	.2	.2	.1								.7	5.4
SSE	.4	.5	.2	.1								1.2	5.2
S	1.0	.5	.7	.2								2.4	5.4
SSW	1.3	1.6	1.7	1.0	.5							6.0	7.9
SW	1.4	2.9	4.2	6.2	2.8	1.2	.1					18.8	11.8
WSW	.9	1.9	3.7	4.3	2.2	.7						13.8	11.6
W	.5	1.0	1.5	1.5	.4	.1						5.1	10.0
WNW	.2	.3	.2	.1		.1						.9	6.7
NW	.2	.1	.2									.6	5.5
NNW	.2	.3	.2		.1							.9	5.8
VARBL	1.2	.3	.1	.2	.1							2.1	4.8
CALM												15.1	
	14.1	20.8	22.4	17.9	7.3	2.4	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1661

USAFETAC FORM JUL 64 0-65 OLD A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	1.5	.6	.4								4.1	5.4
NNE	.7	1.6	.9	.4	.2	.2						3.9	7.7
NE	.8	3.6	3.3	2.2	.1	.1						10.3	9.0
ENE	1.0	3.9	3.2	1.6	.2	.1						9.9	7.6
E	.8	2.0	2.1	.7	.1							5.8	7.1
ESE	.4	.5	.5	.1								1.5	5.6
SE	.4	.3	.2	.1								1.0	5.5
SSE	.1	.3	.2	.1								.7	6.3
S	.7	.4	.1	.2								1.4	5.1
SSW	.2	.8	.8	1.5	.6		.1					4.1	10.9
SW	.4	1.8	4.5	6.4	2.3	2.0	.2					17.7	13.2
WSW	.8	3.6	3.8	5.6	1.4	.9						16.1	10.9
W	.5	1.9	2.5	3.0	.7	.2						8.8	10.4
WNW		.2	.2	.3	.1							.7	9.9
NW	.1	.3	.6	.1								1.0	7.6
NNW	.4	.9	.6	.2								2.1	6.1
VARBL	1.0	.5		.4	.1							2.0	5.7
CALM												6.8	
	9.8	24.2	24.2	23.4	5.8	3.5	.3					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1650

USAFETAC FORM 0-8-5 OL-A (JUL 64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	.6	.2								4.0	5.3
NNE	1.2	1.7	.4	.3	.4	.1						4.0	6.7
NE	1.3	5.6	5.0	2.0	.2							14.0	7.3
ENE	1.2	3.7	2.4	1.7	.1							9.1	7.1
E	1.0	2.5	2.3	.9	.3							6.9	7.1
ESE	.3	.2	.1	.1								.7	5.2
SE	.1	.2	.2	.1								.7	6.1
SSE	.2	.1	.1	.1								.4	5.5
S	.4	1.1	.3	.4	.1	.1						2.3	7.0
SSW	.2	1.3	1.0	1.2	.4	.2						4.2	10.1
SW	.4	2.3	3.9	3.6	2.0	1.0	.2					13.4	12.3
WSW	1.0	2.1	4.8	5.2	2.4	.3	.1					16.0	11.2
W	1.0	1.7	2.1	2.2	.3	.2						7.8	9.3
WNW	.3	.2	.7	.3								1.6	7.3
NW	.4	.6	.4	.2								1.7	6.5
NNW	.2	.7	.4	.2								1.7	6.4
VARBL	.9	.6	.1	.4	.2							2.2	7.1
CALM												7.3	
	11.3	26.9	24.7	21.1	6.6	1.9	.3					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1634

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-68 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (LST))

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.1	.8	.1	.1							2.9	6.1
NNE	.4	1.1	.6	.2		.4		.1				2.8	9.1
NE	1.9	4.9	4.4	1.7	.2							13.1	7.2
ENE	1.6	3.1	3.3	1.5	.2							9.7	7.3
E	1.2	2.5	1.6	.5								5.9	6.0
ESE	.1	.4	.2	.1								.9	6.5
SE	.5	.1	.1									.8	3.7
SSE	.5	.4	.1	.1								1.1	4.9
S	.8	1.0	.7	.4								2.9	6.3
SSW	.5	1.7	1.7	.9	.4	.2						5.4	8.9
SW	.6	2.0	6.5	6.7	2.2	.9	.1					19.1	11.8
WSW	.7	2.0	3.6	5.2	1.5	.4	.1					13.5	11.1
W	.5	.5	1.9	1.4	.5	.2						4.9	10.3
WNW	.3	.3	.6	.1	.1							1.4	7.4
NW	.1	.6	.2	.1								1.1	6.4
NNW	.4	.5	.2	.4	.1	.1						1.6	8.4
VARBL	.1	.1										.1	3.9
CALM												13.0	
	11.1	22.2	26.7	19.4	8.2	2.2	.3	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056	SEMBACH AB GERMANY	56-68	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS — 2100-2300 HOURS L.S.T.

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.0	.8	.2		.1						3.2	5.9
NNE	.9	.7	.6	.5	.4	.1						3.2	8.4
NE	.9	3.7	3.8	2.2	.1	.2						10.9	7.9
ENE	1.3	2.7	3.4	1.5	.4							9.2	7.8
E	1.1	2.3	1.6	.8								5.9	6.5
ESE	.1	.1	.2	.1								.6	8.0
SE	.3			.1								.4	2.8
SSE	.2	.2	.1									.5	3.9
S	.5	1.1	.7	.3	.1							2.7	6.6
SSW	1.3	1.3	2.2	.9	.2	.1						5.9	7.4
SW	.6	3.4	5.2	6.2	2.7	1.4	.1					19.6	11.9
WSW	.6	1.9	4.1	4.9	1.4	.4	.1					13.5	11.2
W	.3	1.2	2.3	.9	.3	.1	.1					5.4	9.3
WNW	.3	.1	.3	.3								1.0	7.4
NW	.1	.1	.4	.1								.7	7.3
NNW	.2	.1	.4	.1								.9	7.5
VARBL	.1											.1	3.0
CALM												16.3	
	9.9	20.4	26.2	19.2	5.3	2.4	.4					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1895

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 SEMBACH AB GERMANY 54-68 FEB

STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-0200

CLASS HOURS L S T

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	1.2	.5								3.4	7.0
NNE	.5	.6	.8	.8	.2	.2						3.1	10.2
NE	1.7	5.2	4.5	2.3	.6	.2						14.4	7.8
ENE	1.3	2.8	2.6	.6		.1						7.2	6.4
E	.7	.9	.9	.1								2.5	5.9
ESE	.3		.1	.1								.5	5.0
SE			.1									.1	7.0
SSE	.3	.2										.5	3.3
S	.9	.6	.2	.3	.2							2.3	6.3
SSW	1.3	1.4	1.3	.9	.1	.1						5.1	7.2
SW	.2	1.9	4.4	4.3	1.3	1.2						13.4	11.8
WSW	.8	1.5	4.0	5.9	1.2	.6	.1	.1				13.8	11.7
W	1.2	1.2	2.0	1.7	.2							6.1	8.1
WNW	.1	.7	.6	.2								1.8	7.3
NW	.3	.4	.2	.2								1.1	6.1
NNW	.2	.7	.3	.3			.2					1.7	9.0
VARBL	.3											.3	1.8
CALM												23.2	
	10.6	19.0	23.2	17.6	3.7	2.4	.2	.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1272

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 STATION — SEMBACH AB GERMANY STATION NAME — 56-72 YEARS — FEB MONTH

ALL WEATHER CLASS — 0300-0500 HOURS (L S T)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	1.5									3.0	6.1
NNE	.4	.7	.7	.8	.2	.1						3.1	9.9
NE	1.7	5.2	4.0	2.5	.3	.2						14.1	7.7
ENE	1.6	3.2	2.5	.4								7.8	6.0
E	.7	.8	.7	.1								2.4	5.7
ESE	.2	.2	.1									.5	3.4
SE			.1									.1	7.0
SSE	.4	.1										.5	2.7
S	1.3	1.2		.1								2.6	3.8
SSW	1.0	1.3	1.5	.7	.3							3.0	7.5
SW	1.0	2.3	4.2	3.6	1.9	.5	.1					13.9	10.8
WSW	.9	1.3	3.6	4.6	1.7	.7	.1	.1				19.0	12.0
W	.2	1.3	2.9	2.4	.2	.1	.1					7.7	9.9
WNW		.1	.1	.3	.1							.5	12.3
NW	.4	.2	.1	.1								.7	8.2
NNW	.3	.0	.8	.4								2.1	7.8
VARBL	.1											.1	1.3
CALM												22.8	
	11.3	20.2	22.0	16.1	4.8	1.7	.4	.1				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 1225

USAFETAC FORM 0-8-5 OL-A JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0400-0800 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.3	1.0	.2								3.3	5.6
NNE	1.0	1.2	.3	.7	.4							3.7	7.8
NE	2.6	4.7	4.0	2.8	.3							14.3	7.1
ENE	2.0	3.7	1.3	1.0	.1							8.2	5.9
E	1.0	1.1	.2	.2								2.5	4.7
ESE	.3	.1	.2									.7	4.3
SE	.2	.1										.3	2.5
SSE	.2	.3	.1	.1								.7	5.4
S	1.4	1.0	.3	.2								2.7	5.0
SSW	1.1	1.8	1.2	.9	.2							5.2	7.1
SW	1.4	4.0	3.1	4.6	1.3	.7						14.9	10.1
WSW	.8	1.8	2.0	4.2	1.3	.3						10.4	11.2
W	.7	2.0	2.7	1.3	.3	.1	.1					7.2	8.3
WNW	.3	.1	.1	.5	.1							1.2	9.6
NW	.3	.3	.4	.3	.1							1.0	8.2
NNW	.3	.3	.2	.2								1.4	6.6
VARBL	.5	.3										.9	2.8
CALM												20.8	
	14.7	24.6	17.2	17.8	4.0	1.1	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1468

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	.5	.1								2.8	6.8
NNE	1.1	1.3	1.0	.8	.1	.1						4.4	7.4
NE	1.3	5.1	3.8	1.9	.6	.1						12.8	7.7
ENE	1.2	3.4	2.4	.8	.1							7.9	6.6
E	.7	1.8	1.6	.3								4.4	6.4
ESE	.1	.2	.2									.5	6.3
SE	.5	.1	.1									.8	3.5
SSE	.3	.2										.5	3.3
S	.8	1.0	.5	.2	.1							2.6	5.8
SSW	1.3	1.1	1.6	.7	.3							5.0	7.4
SW	.8	2.8	2.9	5.1	1.3	.5						13.2	10.9
WSW	1.0	1.6	3.0	5.2	1.4	.4	.1					12.7	11.2
W	.6	1.4	3.0	2.7	.3	.1						8.1	9.3
WNW	.2	.4	.5	.3	.1							1.6	8.3
NW	.1	.3	.4	.1	.1							1.0	7.7
NNW	.6	1.0	.7	.2	.1							2.6	6.6
VARBL	.3	.1	.1	.3								1.0	5.7
CALM												18.0	
	12.1	23.0	22.6	18.6	4.4	1.2	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1462

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS L S T)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	.8	.1								4.4	5.0
NNE	.6	2.0	1.3	.7	.3							4.9	7.4
NE	.7	4.2	5.4	3.0	.7	.1						14.2	8.8
ENE	.5	2.7	3.6	1.2	.1							8.2	7.7
E	.5	1.2	1.2	.5	.1							3.5	7.2
ESE	.2	.2	.2									.8	4.9
SE	.2	.1	.2									.7	5.2
SSE	.2	.2	.1									.5	4.2
S	.2	.7	.7	.3	.1							2.1	7.4
SSW	.4	.9	1.2	.8								3.4	7.8
SW	.5	2.3	3.5	4.9	1.8	.7	.3					14.0	11.8
WSW	.5	1.0	2.9	6.5	2.5	.7	.2					14.2	13.2
W	.6	2.5	3.2	3.5	1.0	.1						11.0	10.3
WNW	.4	.5	.2	.6	.1	.1						2.0	8.2
NW	.5	.8	.7	.5	.1							2.7	7.3
NNW	.6	1.6	1.0	.6								3.8	6.8
VARBL	.7	.3	.5	.1								1.6	4.8
CALM												8.1	
	9.2	33.4	37.0	28.2	6.7	1.8	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1468

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

10036 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

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

(COND TICK)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.8	1.0	.4								3.6	6.2
NNE	.5	1.8	1.4	.2	.2							4.4	7.3
NE	1.4	5.5	6.7	3.1	.8	.1	.1					17.6	8.3
ENE	.4	2.7	3.3	1.0	.1							7.7	7.7
E	.8	1.6	1.1	.6								4.0	6.7
ESE	.1	.8	.2	.1								1.2	5.8
SE	.5	.8	.2									1.5	4.5
SSE	.2	.3	.2									.7	5.0
S	.4	1.0	.5	.1		.1						2.1	6.4
SSW	.3	.8	1.0	1.4	.1	.1						3.9	9.3
SW	.4	1.8	2.9	4.9	1.4	.3	.1					12.0	11.6
WSW	.6	1.2	2.7	6.4	1.3	.2	.4	.1				13.0	12.4
W	.7	2.8	3.5	2.9	1.2	.4		.1				11.5	10.1
WNW	.6	.4	1.2	.4	.1							2.8	7.8
NW	.3	1.5	.6	.5	.3							3.3	8.0
NNW	.5	1.5	.7	.5								3.2	6.7
VARBL	.6	.2	.5									1.4	5.0
CALM												6.6	
	9.2	26.0	27.9	22.5	5.5	1.8	.6	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1683

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

24036 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-68,70 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

1800-2000 (HOURS L.S.T.)

(CONDITION)

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	,8	1,0	1,3	,2	,1							3,3	6,5
NNE	,9	1,1	,7	,5	,4	,1						3,7	8,1
NE	3,1	6,2	5,0	2,8	,6	,2						18,0	7,5
ENE	2,4	3,1	2,3	,5								8,2	5,6
E	1,1	2,4	,3	,1								3,9	4,5
ESE	,4	,3										,7	3,2
SE	,5	,4	,1									,9	3,9
SSE	,5	,3	,2									,9	3,9
S	,6	1,3	,9	,4	,2							3,5	7,3
SSW	,8	1,4	1,5	,8								4,2	7,2
SW	,7	2,4	2,9	4,3	1,2	,3	,1	,1				12,0	10,9
WSW	,4	1,7	2,4	3,6	1,2	,4	,1					9,8	11,3
W	1,6	2,6	2,7	2,9	,3							10,3	8,6
WNW	,3	,6	,4	,5	,1	,1						2,0	8,3
NW	,4	,8	,2	,5	,1							1,9	7,3
NNW	,6	,5	,6	,1	,1							2,0	6,1
VARBL	,2											,2	2,5
CALM												14,9	
	14,8	26,2	21,4	17,1	4,3	1,1	,2	,1				100,0	6,9

TOTAL NUMBER OF OBSERVATIONS 1275

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-60 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS L.S.T.)

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	1.1									2.9	5.7
NNE	.6	.4	.5	.7	.5	.1						2.7	10.4
NE	2.8	3.6	5.0	2.0	.9	.3						14.6	8.0
ENE	1.5	3.0	2.3	.6								7.3	6.1
E	.8	.9	1.3	.2								3.1	6.0
ESE	.5	.1								.1		.6	8.6
SE	.5	.4	.1									.9	3.4
SSE	.6	.4	.2									1.2	4.3
S	1.3	1.3	.8	.2	.2							3.7	5.7
SSW	.9	.9	1.0	.6	.1							3.5	6.9
W	1.0	2.2	3.9	4.3	.6	.6						12.8	10.5
WSW	.8	1.3	2.8	3.9	1.9	.2	.2					11.9	11.7
W	.8	1.3	2.2	2.7	.3							7.3	9.3
WNW	.3	.4	.2	.5								1.3	7.3
NW	.2	.2	.3	.6			.1					1.4	10.4
NNW	.2	.0	.6	.2	.1							1.9	7.9
VARBL	.3											.3	1.3
CALM												22.6	
	13.0	18.7	22.7	16.3	4.3	1.3	.2			.1		100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1270

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

30056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-68 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS L.S.T.)

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.7	.2								2.7	6.0
NNE	1.1	.9	.1	.3	.1	.1						2.5	6.3
NE	1.3	3.6	3.9	2.2	.4	.1						11.5	8.1
ENE	1.3	2.7	3.4	1.1								8.6	7.1
E	.7	1.8	1.5	.4								4.4	6.4
ESE	.1	.2		.1								.5	6.7
SE	.4	.6		.1								1.1	4.8
SSE	.3	.1										.4	3.2
S	.6	1.1	.2	.1	.2							2.3	6.1
SSW	.4	.6	.9	.3								2.2	7.0
SW	1.0	2.2	2.3	2.5	.4	.3	.1					8.7	9.3
WSW	.8	1.3	3.2	4.4	1.4	.6	.1					12.0	11.7
W	.9	2.0	3.1	1.9	.5	.1	.1					8.9	8.5
WNW	.3	.5	.6									1.4	5.6
NW	.2	1.1	.3	.1								1.7	5.8
NNW	.3	.8	.1									1.1	4.8
VARBL	.2	.1										.3	1.8
CALM												29.6	
	10.5	21.4	20.2	14.1	2.8	1.2	.2					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 1895

USAFETAC FORM JUL 64 [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

36056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.4	.8	.1								2.8	5.5
NNE	1.1	1.0	.3	.3	.1							2.8	5.4
NE	1.4	4.1	3.7	2.2	.5	.3						12.1	8.1
ENE	1.2	3.2	2.4	1.0	.1							7.8	6.8
E	1.1	1.4	1.5	.3								4.3	6.1
ESE	.1	.4		.1								.5	5.5
SE	.1	.1										.2	3.0
SSE	.1	.5	.1									.6	5.0
S	1.1	1.2	.3	.3	.1							2.9	5.5
SSW	.8	.7	.7	.3	.1							2.6	6.3
SW	1.2	2.2	3.0	2.5	.7							9.7	9.0
WSW	1.0	1.6	3.7	3.8	.8	.6	.1					11.6	10.9
W	1.1	2.2	2.2	2.6	.4	.3						8.8	9.0
WNW	.2	.3	.2	.1								1.0	6.3
NW	.3	.6	.3									1.3	4.8
NNW	.3	.9	.3	.1								1.6	5.4
VARBL	.4											.4	1.3
CALM												28.8	
	11.8	22.0	19.8	13.7	2.6	1.2	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1478

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS L S T)

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.2	.7	.2								2.8	5.6
NNE	.5	1.2	.4	.2	.1	.1						2.5	6.3
NE	1.6	4.3	4.3	2.0	.4	.1						12.8	7.7
ENE	1.0	4.0	3.1	.5								8.7	6.5
E	.6	1.1	.7	.3								2.7	6.1
ESE	.3	.2	.1	.1								.8	5.3
SE	.1	.1	.1									.3	4.4
SSE	.5	.3	.1									.9	3.4
S	1.9	.8	.6	.2	.2							3.7	5.3
SSW	.7	.9	.6	.4								2.6	6.1
SW	1.2	2.6	3.2	3.4	.7							11.1	9.1
WSW	1.0	2.3	3.2	4.3	.9	.4						12.2	10.2
W	.4	2.2	2.3	1.7	.4	.1						7.1	8.9
WNW	.2	.4	.2									.7	4.8
NW	.1	.3	.4	.1								1.2	6.4
NNW	.3	.9	.2	.4								1.8	6.3
VARBL	.5	.2	.1	.1								.9	4.4
CALM												27.4	
	11.5	23.6	20.2	13.9	2.7	.7						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1438

USAFETAC FORM 0-8-5 OL-A JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.6	.7	.4								3.4	5.9
NNE	.9	1.5	.8	.2		.1						3.4	6.1
NE	.8	2.9	4.3	2.6	.2	.1						10.9	8.6
ENE	1.0	3.4	3.4	1.1	.2							9.1	7.3
E	.4	1.9	1.9	.7	.1							4.9	7.3
ESE	.2	.4	.6	.2								1.3	7.2
SE	.2	.4	.1	.2								1.0	6.3
SSE	.4	.4	.2	.1								1.1	5.5
S	.7	.4	.5	.2	.2							2.0	6.9
SSW	.5	.7	1.2	1.0								3.4	8.1
SW	.9	1.5	3.8	4.3	1.0	.2						11.6	10.4
WSW	.6	1.8	4.5	4.1	1.3	.4	.1					12.9	11.0
W	.5	1.7	3.2	3.4	.3	.2						9.3	9.8
WNW	.1	.5	.7	.4								1.6	8.1
NW	.4	1.0	.5	.4								2.4	7.0
NNW	.9	1.2	.9	.2	.1							3.4	6.4
VARBL	.7	.7	.9	.2								2.4	6.0
CALM												16.0	
	9.9	21.8	28.2	19.6	3.5	.9	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1040

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) YAR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.0	.9	.2								3.9	5.6
NNE	.4	1.9	1.4	.1	.1	.1						4.1	7.0
NE	.4	3.2	5.6	2.6	.2	.1						12.2	8.7
ENE	.7	2.6	4.6	2.0	.2							10.1	8.4
E	.7	1.3	2.8	1.5	.1							6.4	8.2
ESE	.4	.4	.5	.6								1.8	7.9
SE	.1	.7	.2	.1								1.0	6.0
SSE	.1	.2	.2			.1						.7	7.1
S	.4	.8	.7	.4	.1	.1	.1					2.5	8.7
SSW	.1	.7	1.0	.8	.2							2.8	9.4
SW	.2	.7	1.9	4.5	1.2	.4	.1					8.9	12.7
WSW	.4	1.5	3.7	6.2	1.1	.6	.2					13.7	12.0
W	1.0	2.3	4.7	5.4	.6	.1						14.1	9.8
WNW	.2	.7	.8	.6	.1							2.4	8.7
NW	.3	.8	1.1	.6	.1	.1						2.9	8.6
NNW	.9	1.5	1.3	1.0	.1							4.8	7.3
VARBL	.9	1.2	.6	.2	.1							3.0	5.6
CALM												4.7	
	8.0	22.5	32.1	26.9	4.1	1.8	.4					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1633

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1300-1700 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	1.8	.4	.1							3.9	7.0
NNE	.5	1.3	1.2	.5	.1	.1						3.8	7.9
NE	.5	4.4	5.4	2.6	.4	.1						13.4	8.4
ENE	.6	3.3	4.4	2.2	.2							10.8	8.2
E	.6	2.3	2.7	1.3	.1	.1						7.2	8.2
ESE	.2	.6	.8	.4								2.0	7.5
SE	.1	.2	.2	.2								.7	8.5
SSE	.5	.7	.5	.1	.2							1.9	6.6
S	.1	1.2	1.5	.4	.1							3.2	7.8
SSW	.1	.7	1.0	.3	.1	.1						2.4	9.0
SW	.4	.9	2.1	4.4	.8	.2	.1					8.9	11.9
WSW	.4	1.3	2.9	3.9	1.6	.5						10.6	11.7
W	.9	1.6	5.0	5.2	1.3	.4						14.5	10.9
WNW	.1	.4	1.2	1.0								2.7	9.2
NW	.2	1.4	1.5	1.5	.2							4.7	9.0
NNW	.4	1.3	1.1	.3	.1							3.4	8.8
VARBL	.9	.8	.7	.1								2.4	5.0
CALM												3.5	
	7.1	23.8	33.9	24.9	5.2	1.5	.1					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 1044

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-69,72 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	,9	1,3	1,1	,6	,1							4,1	6,9
NNE	1,6	1,5	,3	,5	,2	,1						4,2	6,3
NE	1,9	3,9	4,2	2,0	,4							12,4	7,4
ENE	1,2	2,9	3,3	1,6	,2							9,2	7,5
E	1,9	2,6	2,9	,6								8,1	6,3
ESE	,8	,6	,6	,1								2,1	5,3
SE	,4	,3	,2	,1								1,2	6,0
SSE	,3	,5	,1	,2								1,1	6,1
S	1,1	1,2	,6	,1								3,1	5,0
SSW	,4	1,1	1,1	,3	,1							3,0	7,0
SW	1,1	1,6	2,2	2,8	,4							8,1	9,3
WSW	,6	1,8	3,1	2,9	,8	,4						9,6	10,2
W	1,0	3,6	4,1	2,1	,8	,1						11,7	8,6
WNW	,2	,9	1,1	,7								3,0	7,7
NW	,4	,9	1,3	,1	,1							2,4	7,2
NNW	,9	1,3	,9	,2	,1							3,3	6,4
VARBL	,1											,1	1,0
CALM												13,7	
	14,2	25,9	27,2	15,2	3,3	,3						100,0	6,6

TOTAL NUMBER OF OBSERVATIONS 1399

USAFETAC FORM JUL 84 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 34-68 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.1	.2	.1							3.6	6.2
NNE	.7	.9	.6	.6	.1							2.9	7.8
NE	2.2	2.5	2.9	1.6	.2	.2						9.7	7.8
ENE	1.2	3.2	3.3	1.4	.1							9.2	7.4
E	1.0	1.4	2.7	.7								5.9	6.9
ESE	.5	.3	.4	.1								1.3	5.7
SE	.4	.2	.3		.1							1.0	5.9
SSE	.9	.3		.1								1.2	3.6
S	1.4	.9	.3	.2	.1							2.9	5.4
SSW	.7	.9	1.0	.1								2.7	5.9
SW	.7	2.2	3.2	1.9	.4	.1						8.5	8.7
WSW	.9	1.9	2.9	3.4	.5	.6	.1					10.3	10.6
W	.9	2.6	3.7	1.4	.3							8.9	8.3
WNW	.2	.8	.8									1.8	6.5
NW	.4	.6	.4	.1								1.6	5.6
NNW	.4	1.3	.3	.1								2.3	5.4
VARBL	.2											.2	1.0
CALM												25.9	
	13.4	21.3	24.2	12.1	1.9	.9	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1393

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-68 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

0000-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.9	1.7	.5								6.5	6.0
NNE	.9	1.0	.9	.3	.1							3.1	6.5
NE	1.3	3.9	2.7	2.1	.1							10.0	7.3
ENE	1.3	2.4	2.1	1.6								7.6	7.2
E	1.0	.4	.4	.1								2.0	4.9
ESE		.1										.1	6.0
SE	.1	.2										.4	3.4
SSE	.4	.1										.5	2.7
S	1.0	1.3	.1	.1								2.6	4.0
SSW	1.2	1.1	.4	.3	.1							3.1	5.5
SW	1.6	2.9	2.3	2.4	.3	.1						9.6	8.0
WSW	1.7	1.6	2.0	1.6	.3	.1						8.1	8.0
W	1.0	1.3	1.9	1.6	.1							6.1	8.3
WNW	.2	.3	.1	.1								.7	6.1
NW	.6	.7	.5	.1	.1	.1						2.0	6.3
NNW	.9	1.7	1.3	.4								4.4	6.2
VARBL	.7											.7	1.4
CALM												32.8	
	15.3	21.9	17.5	11.4	.9	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1350

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L S T))

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.1	2.1	.7	.1							5.6	7.1
NNE	1.0	1.1	.9	.4								3.4	6.1
NE	1.0	4.8	3.4	1.7	.1							11.0	7.1
ENE	.9	1.8	1.2	.8								4.7	6.8
E	.4	.2		.1								.7	5.1
ESE	.3											.3	2.3
SE	.1	.1										.2	3.3
SSE	.7	.1										.8	2.7
S	1.2	1.2	.1									2.5	3.8
SSW	.8	1.8	.5	.1								3.2	5.1
SW	1.4	3.3	3.6	2.0	.3	.1						10.7	7.8
WSW	1.3	1.9	2.9	2.3	.2	.1	.1					9.3	8.6
W	1.1	2.0	1.7	1.3	.4	.1						6.4	8.0
WNW	.2	.4	.4									.9	5.8
NW	.4	1.1	.2	.1								1.7	4.9
NNW	.3	1.1	1.3	.4	.1							3.4	7.0
VARBL	.4	.1										.6	3.0
CALM												34.7	
	12.4	22.8	18.4	10.2	1.1	.3	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1627

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34036 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

06:00-08:00 (HOURS L.S.T.)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.5	2.0	.6								5.9	6.6
NNE	.7	.9	1.6	.5	.1							3.8	7.2
NE	1.6	3.7	3.0	1.8	.2							10.2	7.2
ENE	.9	1.8	2.2	.9	.1							5.9	7.2
E	.6	.6	.1	.1								1.4	4.5
ESE	.2	.1										.3	3.0
SE	.2		.1									.3	4.0
SSE	.4	.1										.5	2.4
S	1.6	.8	.1									2.6	3.1
SSW	1.4	1.4	.8	.5								4.2	5.7
SW	1.6	3.3	3.0	2.9	.4	.2						11.5	8.3
WSW	1.5	2.3	4.0	3.0	.3							11.1	8.6
W	.9	2.3	1.7	1.1	.1							6.2	7.2
WNW	.2	.4	.2									.9	4.8
NW	.2	.8	.2	.1								1.3	5.6
NNW	.4	1.2	1.0	.4								3.0	6.8
VARBL	.4	.1			.1							.6	4.2
CALM												29.6	
	14.0	22.4	20.9	11.8	1.1	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1589

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	1.9	1.1	.1							6.6	7.0
NNE	.4	1.3	2.1	.7	.1							4.6	7.9
NE	.4	2.7	4.3	2.4	.2							10.0	8.7
ENE	.8	1.8	3.4	1.6	.2							7.8	8.2
E	.4	1.0	1.2	.3								2.9	7.0
ESE	.1	.4	.2	.1								.9	6.7
SE	.2	.3	.3	.1								.9	6.1
SSE	.4	.3	.1									.9	4.1
S	.3	.4	.4									1.1	5.1
SSW	.7	1.3	1.1	.6	.2	.1						4.1	7.8
SW	.6	2.1	4.4	4.3	.9	.4						12.7	10.4
WSW	.6	2.0	4.9	4.9	.9	.1						13.5	10.1
W	1.1	2.0	4.0	3.3	.4	.1						10.9	9.1
WNW	.2	.7	.6	.8								2.3	8.0
NW	.3	.6	1.3	.4	.1							3.0	7.8
NNW	.3	1.4	2.0	1.3	.1							5.3	8.0
VARBL	1.4	1.3	.6									3.3	4.2
CALM												9.2	
	9.9	22.1	32.9	21.9	3.3	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1883

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34050 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS L S T)

(STATION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.5	2.1	1.4	.2							7.0	7.6
NNE	.4	1.3	1.8	.9	.1							4.6	7.8
NE	.7	1.7	4.4	2.7	.3	.1						9.9	9.2
ENE	.4	1.4	3.3	2.7								7.7	9.0
E	.5	1.3	1.6	1.1	.1							4.7	8.2
ESE	.1	.5	.6	.6								1.8	8.6
SE	.3	.4	.3	.1								1.0	6.1
SSE	.1	.4	.4									.8	6.5
S	.2	.4	.7	.3								1.6	7.5
SSW	.1	.6	1.3	.4	.1							2.5	8.5
SW	.4	1.5	3.2	3.6	1.0	.2						9.9	11.0
WSW	.6	1.4	4.2	6.2	1.3	.1	.1					13.9	11.3
W	.4	2.2	5.0	4.7	1.0	.2						13.5	10.3
WNW	.6	.6	1.0	.7	.1							3.0	7.6
NW	.3	1.1	1.5	1.2	.2							4.4	8.9
NNW	.6	1.1	2.7	1.1	.1							5.7	7.9
VARBL	1.2	1.7	.9	.2	.1							4.0	5.4
CALM												4.0	
	7.0	20.2	35.0	27.9	4.5	.7	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1581

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1800-1700 (HOURS LST)

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.6	3.0	1.2	.1							7.4	7.7
NNE	.3	1.3	1.7	.6	.1							4.0	7.6
NE	.5	2.2	4.8	2.1	.5							10.2	8.9
ENE	.4	1.7	3.0	1.5								6.6	8.1
E	.9	1.6	1.9	.9								5.3	7.1
ESE	.2	.8	.9	.4								2.3	7.3
SE	.3	.4	.7									1.4	5.9
SSE	.2	.7	.2	.1								1.1	5.4
S	.4	1.1	.7	.3								2.5	6.6
SSW	.1	.6	1.3	.7								2.6	8.7
SW		1.1	2.1	2.4	.8	.2						6.8	11.9
WSW	.6	1.3	3.2	4.8	1.3	.2						13.6	10.8
W	.7	2.3	3.7	4.9	1.1	.1						14.8	10.1
WNW	.2	1.0	1.2	.7								3.1	8.0
NW	.1	1.3	1.8	1.1	.2							4.5	9.1
NNW	.6	1.3	2.3	2.2	.3							6.6	9.3
VARBL	.9	1.3	.5	.5								3.2	6.2
CALM												4.0	
	6.9	23.2	30.8	24.2	4.3	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 1985

USAFETAC FORM 0-8-2 JUL 64 (PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE)

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY 54-68.72 APR

ALL WEATHER 1800-2000

SPEED (KNTS) / DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56+	%	MEAN WIND SPEED
N	1.0	3.0	3.6	1.5	.1							9.4	7.6
NNE	.9	1.9	1.2	.4								4.4	6.3
NE	2.1	4.7	3.3	1.7	.1							12.1	6.9
ENE	1.0	2.3	2.8	1.0	.1							7.3	7.2
E	1.7	3.3	1.3	.3	.1							6.9	5.6
ESE	.4	1.2	.2	.1								1.9	5.2
SE	.6	.6	.1									1.3	3.9
SSE	.9	.4	.3									1.6	4.2
S	.8	.7	.7	.2								2.4	5.8
SSW	.6	1.5	.6	.4								3.1	6.3
SW	.7	2.8	3.1	1.5	.7	.1						8.9	8.5
WSW	1.0	2.3	3.8	2.6	.4							10.1	8.0
W	1.1	3.5	3.4	2.4	.1	.2						10.7	8.2
WNW	1.0	1.1	.6	.4								3.1	5.8
NW	.4	.5	.9	.6	.1							2.5	7.7
NNW	.8	1.6	2.1	1.3	.1							6.1	8.2
VARBL	.2											.2	2.3
CALM												.3	
	15.3	31.5	28.3	14.5	1.9	.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1351

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34C56 STATION — SEMBACH AB GERMANY STATION NAME — 54-60 YEARS — APR MONTH

ALL WEATHER CLASS — 2100-2300 HOURS L.S.T.

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.0	3.0	1.1								7.9	7.2
NNE	.7	1.4	.9	.1								3.2	5.5
NE	1.3	4.4	3.7	1.9	.1							11.6	7.3
ENE	.9	2.5	2.2	.8								6.5	6.9
E	.8	1.3	.7	.3								3.2	5.4
ESE	.3	.1	.1									.5	3.9
SE	.7	.1										.8	3.0
SSE	.4	.4	.1									.9	3.9
S	.9	1.6	.1	.1								2.7	4.5
SSW	.9	1.1	.4	.4								2.8	5.4
SW	1.3	2.1	2.4	1.4	.4	.1						7.6	8.0
WSW	1.3	2.7	3.0	1.4	.4							8.7	7.8
W	1.2	2.1	1.7	1.2	.3	.1						6.6	7.8
WNW	.5	.4	.3	.1								1.4	5.3
NW	.4	1.2	.5	.2								2.3	6.1
NNW	.8	2.1	1.6	.5								5.1	6.6
VARBL	.5											.5	1.3
CALM												27.7	
	13.6	26.8	20.8	9.6	1.2	.2						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 1250

USAFETAC FORM NO. 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 SEMBACH AB GERMANY 54-68,71 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER 0-6=0,6

CLASS HOURS (L.S.T.)

CONDITION

SPEED KNTS DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1	1 2	9	3		1 1						3 6	5 1
NNE		2	4									1 9	3 7
NE	1 0	3 2	3 1	9								2 7	4 7
ENE	1 0	3 2	1 6	6								4 1	4 3
E	2	2	2	2	1							2 6	3 6
ESE	4	1	1									4	4 6
SE	2	2										9	2 6
SSE	2	4										6	3 5
S	1 0	1 4	1			1 1						3 1	4 2
SSW	1 2	6	7	1	6							2 9	5 3
SW	1 3	2 4	2 3	1 3								7 2	7 1
WSW	1 1	2 4	2 4	1 1	3	1 1						7 4	7 9
W	6	3 1	2 0	6		1 1						4 4	6 5
WNW	5	6	6	1								1 9	4 7
NW	4	1 0	4	4								2 5	5 3
NNW	5	9	7	2	1							2 4	6 3
VARBL	3											3	1 3
CALM												41 5	
	13 0	22 0	15 7	5 0	6	4						100 0	3 7

TOTAL NUMBER OF OBSERVATIONS 1401

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 STATION — SEMBACH AB GERMANY STATION NAME — 54-72 YEARS — MAY MONTH

ALL WEATHER CLASS — 0300-0900 HOURS L.S.T.

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.2	.9	.3								3.7	5.6
NNE	.8	1.2	.1									2.1	4.0
NE	1.6	3.5	2.7	.8								8.5	6.3
ENE	.9	1.7	1.2	.6								4.3	6.5
E	.7	.8	.3	.3	.1							2.1	6.2
ESE	.1											.1	2.0
SE	.5	.1										.7	2.9
SSE	.5		.1									.5	3.0
S	2.0	.9	.6	.1	.1							3.7	4.3
SSW	1.1	1.6	.5	.1	.1							3.4	5.2
SW	1.6	3.0	2.5	1.1	.2	.1						8.5	6.9
WSW	1.4	2.4	3.5	2.0	.2	.2						9.7	8.4
W	1.8	2.4	1.6	.9	.1							6.8	6.0
WNW	.2	.5	.2									1.1	5.6
NW	.6	.6	.3	.1								1.8	4.7
NNW	.6	.9	.8	.1								2.5	5.9
VARBL	.6											.6	1.8
CALM												39.9	
	16.1	21.2	15.4	6.5	.6	.3						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1477

USAFETAC FORM 0-8-5 OL-A JUL 84 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 SEMBACH AB GERMANY 56-72 MAY

STATION STATION NAME YEARS MONTH

ALL WEATHER 0000-0800

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.0	1.3	.2								3.3	6.1
NNE	.7	.7	.7	.1								2.2	5.9
NE	1.5	3.9	2.8	.9								9.2	6.4
ENE	.9	2.1	1.8	.9								5.7	6.7
E	.7	1.1	.6	.3	.1							2.8	6.4
ESE	.1	.2	.1									.4	4.2
SE	.5	.1										.6	2.7
SSE	.4	.1										.6	3.1
S	1.4	.9	.4	.2								2.9	4.8
SSW	1.5	1.1	.6	.4	.1	.1						3.7	6.0
SW	.9	3.6	3.4	1.6	.4							9.9	7.8
WSW	1.8	3.3	4.3	2.7	.4	.1						12.6	7.9
W	1.0	2.1	2.3	1.6	.2							7.2	7.9
WNW	.1	.6	.2	.1								1.0	5.8
NW	.2	.7	.5	.3								1.7	7.0
NNW	.6	1.1	1.4	.2								3.3	6.2
VARBL	1.2	.3	.1									1.6	2.5
CALM												31.2	
	14.6	23.0	20.5	9.5	1.2	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 1628

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS L.S.T.)

(CONDITION)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	2.2	.5								5.5	6.7
NNE	.4	1.3	1.2	.2								3.1	6.5
NE	.7	2.3	4.0	1.7	.2							9.2	8.0
ENE	.6	2.3	3.2	1.0	.1	.1						7.3	7.8
E	.4	1.6	1.9	.9	.2	.2						5.3	8.6
ESE	.3	.6	.3	.1								1.3	5.3
SE	.4	.2	.1	.1								.8	4.4
SSE	.1	.2	.4	.1								.9	7.3
S	.8	.8	.3									1.9	4.2
SSW	.3	1.1	.9	1.0	.1		.1					3.6	8.1
SW	.7	1.8	3.2	3.7	1.0	.2						10.6	10.5
WSW	1.0	3.1	4.8	4.4	.7	.1	.1					14.2	9.5
W	1.2	3.2	4.8	4.3	.4	.2						14.0	9.1
WNW	.2	.9	.5	.2								1.9	7.0
NW	.8	1.9	.9	.6	.1							3.7	6.9
NNW	.5	.9	1.5	.9								3.9	7.6
VARBL	2.6	1.2	.4	.2								4.5	3.9
CALM												8.4	
	12.1	25.2	30.7	19.9	2.7	.8	.2					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 1037

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056	SEMBACH AB GERMANY	54-72	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS) | 1200-1600 (HOURS L.S.T.) | CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	2.3	.6	.1							6.0	6.9
NNE	.2	1.8	1.7	.4								4.2	7.0
NE	1.0	2.4	4.4	2.3	.2							10.6	8.4
ENE	.2	1.7	3.0	1.5		.1						6.5	9.0
E	.5	1.8	2.4	.9	.1	.2						5.9	8.3
ESE	.1	.4	1.2	.2								2.0	7.9
SE	.1	.4	.5	.1	.1							1.2	7.6
SSE	.2	.4	.3	.1								1.0	6.4
S	.5	.7	.6	.1								2.2	5.5
SSW	.2	.5	.9	.7	.1							2.4	9.6
SW	.2	.7	3.2	3.9	1.3	.4						9.8	12.1
WSW	.2	1.7	4.3	5.5	.8	.1						12.7	10.9
W	.8	3.2	5.5	6.2	1.1	.1						16.9	10.2
WNW	.4	1.0	.9	.7		.1						3.1	7.7
NW	.2	1.1	1.6	.4	.1							3.4	8.0
NNW	.5	1.3	1.8	.6	.1							4.4	7.3
VARBL	1.4	1.6	1.0	.1								4.1	5.1
CALM												3.6	
	7.0	22.0	35.5	24.0	4.0	1.0						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1035

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34036 SEMBACH AB GERMANY 56-72 MAY
STATION STATION NAME YEARS MONTH

ALL WEATHER 1900-1700
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.2	2.5	1.7								7.1	7.8
NNE	.6	1.8	1.7	.5	.1							4.6	6.7
NE	.5	2.6	3.1	2.0	.1							8.2	8.0
ENE	.2	1.7	3.7	1.5	.1							7.2	8.4
E	.6	1.1	3.3	1.3	.4	.1						6.9	9.1
ESE	.1	.3	1.0	.2								2.2	7.1
SE	.2	.4	.8	.2								1.7	7.4
SSE	.3	.6	.7	.1								1.7	6.5
S	.6	1.1	.3	.1								2.0	5.0
SSW	.3	.3	.7	.4	.1	.1						2.1	8.6
SW	.3	.6	2.6	3.4	.8	.2						7.9	11.4
WSW	.6	1.7	4.3	5.1	.7	.1						12.6	10.3
W	1.4	2.0	6.3	5.8	.9	.2		.1				16.6	10.0
WNW	.4	1.1	1.3	.6	.1							3.6	7.6
NW	.2	1.3	1.9	.7	.1							4.2	8.0
NNW	.4	1.2	1.2	.9	.1							3.8	8.0
VARBL	1.0	1.4	.3	.1								2.8	4.4
CALM												4.8	
	8.3	22.1	36.1	24.6	3.3	.7		.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1020

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

30056	SEMBACH AB GERMANY	54-68,71-72	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1400-2000
HOURS (L.S.T.)

CORRECTION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.3	2.5	.9								6.4	7.1
NNE	1.7	2.0	1.1	.2								5.2	5.1
NE	1.9	4.1	4.3	1.3	.1							11.6	6.8
ENE	1.2	3.1	2.6	.9								7.8	6.5
E	1.4	3.2	2.3	.6	.1	.1						7.8	6.5
ESE	.6	.1	1.1	.1								3.0	6.0
SE	.3	.6	.1	.1								1.1	5.4
SSE	.5	.2	.1	.1								1.0	5.2
S	1.0	.9	.3	.1								2.3	4.6
SSW	.6	.9	.8	.1	.1	.1						2.6	6.9
SW	.8	1.9	3.1	1.0	.6	.1						7.5	8.3
WSW	.9	3.0	4.4	2.4	.4							11.0	8.3
W	1.2	4.0	4.8	2.9	.1	.1						13.1	8.1
WNW	.8	.6	1.3	.1	.1							2.9	6.3
NW	.5	.9	1.8	.5	.1							3.7	7.7
NNW	.7	1.2	1.5	.6								4.1	7.1
VARBL	.4											.4	1.6
CALM												8.8	
	15.1	30.1	38.1	12.0	1.6	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 1600

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-68,71 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS - GMT)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1,8	2,4	1,0	,7								5,9	5,6
NNE	1,2	2,1	,4	,1								3,9	4,8
NE	1,9	3,3	2,6	,7								8,5	6,1
ENE	1,5	3,5	2,8	,5								8,3	6,2
E	1,0	1,7	,8	,1	,1							3,8	5,6
ESE	,6	,4	,1									1,1	3,9
SE	,8	,5	,1									1,4	3,7
SSE	,6	,4										1,0	3,3
S	,9	1,4	,6	,1								3,0	4,9
SSW	1,0	1,3	,4	,1	,1	,1						3,0	5,8
SW	1,8	3,3	2,0	1,4	,1							8,6	6,9
WSW	,8	2,8	2,4	,8	,2	,1	,1					7,1	7,7
W	1,3	3,3	2,1	,4								7,1	5,9
WNW	,9	,6	,4	,1	,1	,1						2,1	5,6
NW	,3	,9	,4	,2	,1							1,9	6,3
NNW	,8	,6	,9	,2								2,5	6,2
VARBL	,5											,5	1,3
CALM												30,4	
	17,7	28,3	17,1	5,4	,8	,2	,1					100,0	4,2

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-68 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.4	.9	.1								3.3	3.3
NNE	.7	.6	.4	.1								1.9	3.0
NE	1.9	2.8	1.9	.4	.1							7.0	3.8
ENE	1.2	1.3	1.0	.7	.1							4.3	6.7
E	.6	1.0	.4	.3								2.3	6.0
ESE	.2	.1	.1									.4	4.2
SE	.3	.1										.4	3.0
SSE	.5		.1									.6	3.3
S	1.4	1.0	.1			.1						2.6	4.1
SSW	.7	1.6	.9	.1								3.3	5.4
SW	1.3	3.1	3.0	1.0	.1							8.5	6.9
WSW	1.3	2.7	1.8	1.4								7.2	7.1
W	1.4	2.5	2.2	1.3	.1							7.5	6.9
WNW	.7	.8	.2	.1								1.9	3.2
NW	.7	.4	.5									1.6	3.0
NNW	1.1	1.3	.7	.1								3.2	5.0
VARBL	.2											.2	1.7
CALM												43.9	
	15.1	20.6	14.2	5.7	.4	.1						100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 1369

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34036 SEMBACH AB GERMANY 54-72 JAN
STATION STATION NAME YEARS MONTH

ALL WEATHER 0300-0900
CLASS HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.9	.4	.1								2.0	3.4
NNE	.7	1.0	.6	.2								2.5	3.6
NE	1.6	3.5	1.8	.2								7.3	3.3
ENE	.8	1.3	1.1	.5								3.7	6.5
E	.3	.4	.1	.3								1.3	6.4
ESE	.3											.3	2.0
SE	.6	.1										.7	2.7
SSE	.3	.1		.1								.6	3.7
S	1.3	1.4	.1	.1								3.2	4.0
SSW	1.1	1.3	.6	.2		.1						3.2	5.8
SW	1.8	2.9	3.0	1.5	.1	.1						8.9	7.6
WSW	1.2	2.9	2.6	1.1	.1							7.8	6.8
W	1.2	2.7	2.1	1.2								7.3	6.8
WNW	.4	.6	.1	.1								1.1	4.9
NW	.4	.6	.1									1.1	4.1
NNW	.8	.8	.6	.1								2.2	4.9
VARBL	.4											.4	1.8
CALM												46.5	
	13.7	20.6	13.2	5.6	.2	.1						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1420

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 SEMBACH AB GERMANY 54-72

STATION STATION NAME YEARS

ALL WEATHER 0000-0800

CLASS HOURS (LST)

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	1.4	.1								3.2	5.9
NNE	.8	1.0	.2	.2	.1							2.2	5.2
NE	1.6	3.3	2.7	.6	.1							8.5	6.3
ENE	1.0	2.7	1.8	.4								5.9	6.2
E	.7	.8	.6	.2								2.3	5.7
ESE	.1		.1									.1	6.0
SE	.4	.2		.1								.6	4.3
SSE	.4	.2										.6	3.1
S	1.1	.8	.3									2.1	3.8
SSW	1.1	1.1	.8	.1								3.2	5.1
SW	1.1	3.0	3.3	2.1	.3							10.7	7.7
WSW	1.3	3.3	4.6	1.7	.3	.1	.1					11.5	7.7
W	1.1	2.3	2.7	1.3	.2							8.2	7.8
WNW	.4	.3	.6	.3								1.5	6.9
NW	.4	.6	.3	.2								1.6	5.6
NNW	.3	1.3	.7	.1	.1							2.7	6.0
VARBL	1.4	.7	.2	.1								2.3	3.5
CALM												32.7	
	14.2	24.1	20.2	7.6	1.1	.1	.1					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 1875

USAFETAC FORM JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 SEMBACH AB GERMANY 54-72

ALL WEATHER

2000-1100

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	.4	2.2	2.4	.3	-	-	-	-	-	-	-	5.3	6.8
NNE	.4	1.4	1.3	.2	-	-	-	-	-	-	-	3.4	6.2
NE	.9	4.8	3.2	1.2	-	-	-	-	-	-	-	9.9	6.7
ENE	.9	2.6	3.1	1.2	-	-	-	-	-	-	-	7.8	7.2
E	.6	1.9	.9	.6	.1	-	-	-	-	-	-	4.1	6.7
ESE	.2	.5	.3	.1	-	-	-	-	-	-	-	1.2	5.9
SE	.3	.5	.1	.1	-	-	-	-	-	-	-	.9	5.3
SSE	.1	.6	.3	-	-	-	-	-	-	-	-	.9	5.0
S	.9	.7	.3	-	-	-	-	-	-	-	-	1.8	3.9
SSW	.3	1.0	1.0	.3	-	-	-	-	-	-	-	2.6	6.9
SW	.6	3.0	4.4	3.5	.4	.2	-	-	-	-	-	12.2	9.3
WSW	.8	3.2	5.6	4.4	.4	-	-	-	-	-	-	14.3	9.1
W	1.5	3.0	5.4	3.5	.6	-	-	-	-	-	-	14.1	8.8
WNW	.4	1.2	.9	.3	-	-	-	-	-	-	-	2.8	6.5
NW	.2	.9	.9	.3	.1	-	-	-	-	-	-	2.4	7.4
NNW	.5	1.3	1.1	.4	-	-	-	-	-	-	-	3.3	6.4
VARBL	2.5	1.5	.5	.3	-	-	-	-	-	-	-	4.8	4.4
CALM												8.4	
	11.6	30.3	31.6	13.4	1.6	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1980

USAFETAC

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/ MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
FROM HOURLY OBSERVATIONS

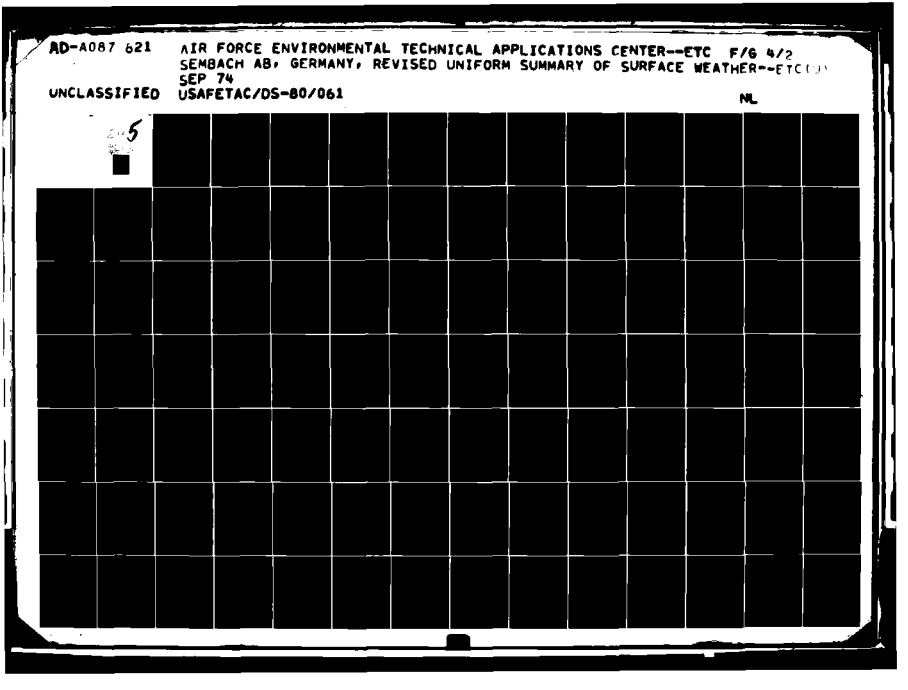
34056 SE BAD AB GERMANY 54-72

ALL WEATHER 12[illegible]-1400

KNOTS	1-3	4-6	7-10	11-15	16-21	22-27	28-33	34-40	41-47	48-55	56+	TOTAL	MEAN KNOTS
N	.4	1.7	2.7	.2								5.2	7.1
NNE	.3	1.3	1.4	.4	.1							3.4	7.2
NE	.6	2.4	2.9	1.5	.1							7.3	7.7
ENE	.9	2.2	2.0	1.4	.1							6.6	7.6
E	.8	2.2	2.7	1.5								7.2	7.7
ESE	.3	.8	.5	.3								1.9	6.5
SE	.3	.7	.3	.3								1.6	6.1
SSE	.2	.7	.4									1.3	5.7
S	1.1	.9	.5									2.5	4.5
SSW	.3	1.1	1.0	.7	.1	.1						3.2	8.1
SW	.5	2.0	3.3	3.4	.6							10.0	9.9
WSW	.6	1.7	4.9	4.3	.4							12.1	9.8
W	.8	4.2	7.0	6.3	.6							18.9	9.4
WNW	.3	1.3	1.1	.6	.1							3.3	7.5
NW	.4	1.3	1.0	.4	.1							3.3	7.3
NNW	.4	1.2	1.6	.3								3.7	7.3
VARBL	1.3	1.1	.6	.3	.1							3.5	5.4
CALM												5.2	
	9.3	26.8	34.1	22.4	2.2	.1						100.1	7.8

TOTAL NUMBER OF OBSERVATIONS 1967

AD-A087 621 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SEMBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC(U)
SEP 74
UNCLASSIFIED USAFETAC/DS-80/061 NL



1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

1800-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	2.2	.8								5.7	7.0
NNE	.4	1.8	1.4	.5								3.8	7.0
NE	.4	1.6	2.8	1.5	.1							6.2	8.2
ENE	.7	1.8	3.3	1.0								6.8	7.6
E	.4	1.7	2.2	1.1	.1							5.5	8.0
ESE	.6	.8	.4	.2								2.0	5.7
SE	.6	.4	.6									1.7	5.2
SSE	.2	.7	.3	.1								1.3	6.2
S	.3	1.3	.9		.1							2.9	6.4
SSW	.4	1.3	1.0	.2								2.9	6.3
SW	.5	2.2	3.4	2.4	.1	.1						8.7	8.6
WSW	.3	2.6	3.3	3.0	1.0	.1						12.2	10.4
W	.6	4.0	6.9	7.2	.4							19.1	9.8
WNW	.6	.6	.9	1.0	.1							3.1	8.1
NW	.4	1.0	1.3	1.1	.1							4.0	8.4
NNW	.3	1.2	2.2	.8								4.7	7.8
VARBL	1.6	1.0	1.0	.2								3.8	8.1
CALM												5.5	
	9.8	25.4	34.1	23.1	1.9	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1868

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34036	SEMBACH AB GERMANY	54-68,71-72	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.9	2.1	.6								6.7	6.3
NNE	1.0	1.9	1.0	.4								3.6	5.7
NE	.7	4.0	2.6	.7								8.2	6.3
ENE	1.9	2.2	2.3	.4								6.8	6.0
E	1.3	1.5	1.8	.4	.1							4.9	6.4
ESE	.7	.4	.1									1.3	3.8
SE	.1	.3	.1									.8	3.0
SSE	.1	.0	.2	.1								1.3	5.2
S	.8	1.0	.7	.1								2.6	5.4
SSW	.7	1.3	.4	.1	.1							2.7	5.6
SW	1.0	2.2	2.9	.7	.1							7.0	7.0
WSW	1.8	2.8	4.3	2.6	.1							11.8	7.4
W	1.9	5.8	6.3	3.2	.4							17.9	7.8
WNW	.9	1.6	1.2	.4	.2							4.0	7.3
NW	.7	1.3	1.3	.8	.1							3.9	6.8
NNW	.8	2.3	1.4	.8								5.3	6.7
VARBL	.4	.1										.5	2.4
CALM												10.8	
	15.7	32.4	30.8	11.3	1.0							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1389

USAF FORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94056 (STATION) SEMBACH AB GERMANY (STATION NAME) 56-68 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.5	1.5	.1								5.6	5.2
NNE	1.6	1.3	.2	.1	.1							3.4	4.5
NE	1.6	2.6	1.7	.4								6.2	5.7
ENE	1.9	1.9	.7	.7	.1							5.3	5.8
E	1.2	1.1	.7	.1								3.2	5.3
ESE	.4	.2	.1									.7	3.6
SE	1.0	.4										1.3	3.2
SSE	.3	.1		.1								.7	4.4
S	1.0	1.6	.4									3.0	4.3
SSW	.8	1.1	.4	.1	.1							2.5	5.2
SW	1.3	2.4	1.3	.7								4.1	6.1
WSW	1.6	2.2	2.8	1.1								7.8	6.8
W	2.1	3.6	2.8	1.6	.1							10.1	6.8
WNW	.6	1.1	.4	.2								2.4	5.9
NW	.3	2.0	.7	.1								3.2	6.0
NNW	.6	1.4	1.0	.1								3.0	5.3
VARBL	.6											.6	1.8
CALM												34.6	
	19.2	33.3	18.2	5.4	.4							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 1380

1

DATA PROCESSING BRANCH
USTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-69,71 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.2	1.8	.8	.1								3.9	4.9
NNE	.7	.8	.2									1.2	4.1
NE	.9	1.4	.9	.5								3.7	6.1
ENE	.5	1.0	.5	.1								2.7	4.9
E	.3	.4	.2									.9	4.7
ESE	.2											.2	2.3
SE	.2	.1										.2	3.3
SSE	.4	.4	.1									.8	3.9
S	1.2	.8	.1									2.2	3.7
SSW	1.2	1.0	.5	.2								3.1	5.4
SW	1.2	4.5	3.0	1.2	.4	.1						10.9	7.2
WSW	1.4	3.3	3.0	.7	.1							8.9	6.8
W	1.2	2.6	2.8	.7	.1							7.3	6.6
WNW	.9	1.2	.2									2.3	4.4
NW	.5	.6	.1									1.4	4.3
NNW	.4	.6	.2	.2								1.8	6.2
VARBL	1.0	.1										1.1	1.8
CALM												48.1	
	12.5	20.2	12.9	3.5	.6	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 1827

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0800-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.9	.4									2.4	4.4
NNE	.3	.2	.1									.6	4.5
NE	.9	2.0	.9	.2								4.1	5.5
ENE	.8	1.2	.3									2.3	4.3
E	.3	.3										.6	4.1
ESE	.1											.1	1.0
SE	.2	.1										.3	2.0
SSE	.4	.1	.1									.6	3.7
S	1.2	.8	.2									2.3	3.5
SSW	1.2	1.8	.7	.4								4.2	5.2
SW	1.6	4.9	3.7	1.1	.1	.1						11.5	6.7
WSW	1.2	2.2	3.7	1.2	.1							9.1	7.2
W	.9	3.2	2.8	1.1	.1							7.7	7.1
WNW	.6	.6	.4									1.6	5.1
NW	.3	.3	.3									.9	4.5
NNW	.8	.8	.6	.2								2.4	5.4
VARBL	.8	.1										.8	2.2
CALM												48.4	
	13.1	20.0	13.6	4.4	.4	.1						100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 1884

DATA PROCESSING BRANCH
USTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

0400-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.2	.4									2.2	4.7
NNE	.4	.2		.1								.7	4.0
NE	1.8	2.6	1.1	.4								5.9	5.5
ENE	1.2	1.6	.6									3.4	4.8
E	.6	.4	.2									1.2	4.2
ESE	.1	.2										.4	3.8
SE	.2	.2										.3	2.8
SSE	.2	.2	.1									.6	3.0
S	1.2	.6	.4									2.2	3.6
SSW	1.8	1.8	1.0	.4								4.7	3.9
SW	1.6	4.2	4.4	2.2	.8	.1						13.3	7.6
WSW	1.2	2.8	3.0	3.2	.8							11.0	8.6
W	1.1	2.6	3.2	1.2	.2							8.2	7.4
WNW	.4	.8	.2	.2	.1							1.9	6.6
NW	.8	.6	.2	.1								1.8	5.4
NNW	.8	.7	.4	.1								1.7	5.0
VARBL	1.9	.8	.2									2.8	2.7
CALM												37.1	
	14.8	31.4	17.9	8.1	.7	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1711

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 5972 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.6	.8	.4								3.7	5.9
NNE	.6	.9	.2	.1								1.7	4.5
NE	.7	2.6	1.6	.6								5.5	6.4
ENE	1.0	1.9	1.7	.1								4.7	5.9
E	.9	1.5	1.2									3.6	5.3
ESE	.2	.4	.3									.9	5.5
SE	.2	.2	.3									.8	5.7
SSE		.2	.2									.5	6.4
S	.5	.6	.5	.1								2.0	5.1
SSW	.5	1.4	1.0	.8								3.7	7.0
SW	.9	3.8	5.3	3.7	1.0	.4	.1					15.1	9.6
WSW	1.2	3.2	4.9	3.6	.8	.2						13.8	9.6
W	1.8	3.2	6.6	3.8	.4							15.8	8.8
WNW	.7	.6	1.1	.6	.1							3.1	7.4
NW	.5	1.6	1.6	.4								4.0	6.7
NNW	.4	1.2	1.0	.1								2.9	5.7
VARBL	2.6	2.6	.7	.1								6.0	4.0
CALM												7.8	
	13.6	28.1	31.4	16.1	2.3	.6	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1718

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1800-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.8	1.3	.5	.1							5.1	6.3
NNE	.6	1.7	.9	.2								3.3	5.8
NE	.6	1.8	1.3	.7								3.9	7.2
ENE	.6	1.0	1.6	.2								3.4	6.6
E	.4	1.8	1.3	.3								3.4	6.7
ESE	.1	.4	.6	.1								1.2	6.8
SE	.2	.9	.2	.1								1.3	5.4
SSE	.2	.3	.4									1.1	5.3
S	.4	1.1	.3	.2								2.0	5.7
SSW	.2	1.1	1.6	.8	.1							3.7	8.4
SW	.4	1.9	4.8	4.7	1.1	.4						13.2	10.6
WSW	.6	1.8	6.2	6.7	1.5	.1						16.8	10.9
W	.8	4.0	7.3	6.4	.8	.3						19.8	9.7
WNW	.6	1.2	1.3	.8	.2							4.3	7.8
NW	.6	1.8	1.8	.3								4.1	6.3
NNW	.3	1.3	1.9	.2								3.7	7.0
VARBL	2.5	2.3	1.2									6.0	4.3
CALM												4.1	
	9.5	28.6	34.3	22.1	3.6	.8						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 2713

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34C56 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1500-1700 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.5	2.8	.4	.1							5.9	6.6
NNE	.5	1.2	.8	.1								2.6	5.8
NE	.3	1.7	2.3	.6	.1							5.0	7.8
ENE	.6	1.2	1.5	.1								3.4	6.4
E	.5	1.6	1.3	.1								3.6	6.1
ESE	.4	.4	.4									1.2	5.1
SE	.3	.8	.2									1.3	5.0
SSE	.5	.7	.1									1.2	4.3
S	.5	.8	.5	.1								1.9	5.5
SSW	.5	.7	1.1	.6	.1							3.0	8.1
SW	.7	1.9	4.7	4.0	.8	.2	.1					12.3	10.2
WSW	.4	3.2	7.0	3.2	.8	.2						16.7	9.9
W	.6	2.9	7.5	7.4	1.2	.1						19.8	10.1
WNW	.3	1.3	2.2	1.1	.2							5.3	8.3
NW	.2	1.2	1.8	.2								3.5	7.0
NNW	.3	1.6	2.0	.4	.1							4.4	7.3
VARBL	1.9	1.8	1.3	.2								5.1	5.9
CALM												3.6	
	9.4	28.3	37.3	20.5	3.3	.6	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 1709

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-69 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.6	2.9	1.8	.3								6.6	5.7
NNE	1.2	1.3	.8	.1								3.4	4.9
NE	1.3	2.7	1.4	.3								5.8	5.6
ENE	1.2	2.5	.7									4.4	4.6
E	1.4	2.1	.8									4.2	4.7
ESE	.4	.6	.1	.1								1.1	4.5
SE	.2	.3	.1									.6	4.6
SSE	.3	.2	.1									.6	3.6
S	.7	.6	.2									1.5	4.2
SSW	.4	1.2	.7	.3								2.6	6.8
SW	1.4	3.4	3.3	2.2	.3	.1						10.8	8.0
WSW	1.6	4.2	4.8	3.7	.4	.2						14.9	8.3
W	1.7	5.2	5.5	3.8	.4	.2						19.8	8.3
WNW	.7	1.9	1.6	.7								4.8	6.9
NW	.7	1.3	1.1	.6	.1							3.8	7.1
NNW	.7	1.6	1.4	.4	.1							4.2	6.6
VARBL	.3	.3										.7	3.4
CALM												10.2	
	18.9	32.1	27.5	12.8	1.9	.8						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1333

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-69 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.7	1.7	.2								5.4	5.7
NNE	1.0	1.5	.2									2.7	3.8
NE	2.0	2.5	.9	.5								5.9	5.4
ENE	1.1	2.0	.1									3.2	3.9
E	.8	.9	.3									2.0	4.4
ESE	.3		.1									.3	3.4
SE	.4	.1	.1									.5	3.4
SSE	.7	.1	.1									.8	3.0
S	1.6	.9	.5	.1								3.1	3.9
SSW	1.3	1.3	.5	.2								3.2	4.9
SW	1.6	3.0	3.3	1.0	.3	.2						9.9	7.2
WSW	1.5	3.7	3.3	.7	.3							9.5	6.7
W	1.8	4.6	2.6	1.0								10.0	6.1
WNW	.7	1.3	1.3	.3		.1						3.5	7.1
NW	.7	.8	.7	.1								2.4	5.8
NNW	.8	.8	.6	.2								2.4	6.0
VARBL	.7	< .1										.8	1.7
CALM												34.2	
	17.5	30.7	18.2	4.4	.6	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 1833

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

24056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-69 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.8	.4									1.9	4.5
NNE	1.0	.4	.2	.1								1.7	4.0
NE	1.6	2.6	1.3	.3								5.8	5.2
ENE	.8	1.0	.8	.1								2.7	5.2
E	.6	.3	.3									1.2	4.4
ESE	.4	.1										.4	2.7
SE	.6	.3	.2									1.0	3.7
SSE	.6	.2	.1									.9	4.1
S	1.6	1.6	.1	.1								3.9	3.8
SSW	1.2	1.5	1.0	.5								4.2	3.9
SW	2.3	4.2	5.3	2.3	.4							14.8	7.7
WSW	1.0	2.9	3.6	2.4	.1							10.0	7.9
W	.6	2.2	1.2	.8	.1							4.9	6.8
WNW	.1	.3	.1		.1							.6	3.9
NW	.7	1.0	.3	.1								2.1	4.6
NNW	.2	.4	.1									.7	4.8
VARBL	.6	.1										.7	2.5
CALM												42.6	
	14.8	20.3	15.0	6.7	.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1872

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-72 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (LST))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4	.4									1.3	4.5
NNE	.7	.9	.1									1.7	4.2
NE	1.6	3.1	.9	.2								5.7	4.8
ENE	.9	.6	.7									2.1	4.9
E	.8	.4	.1	.1								1.0	4.5
ESE	.2											.2	2.0
SE	.5	.2	.1									.7	3.3
SSE	.7	.2	.1	.1								1.2	4.4
S	2.3	1.3	.1	.1								4.0	3.7
SSW	1.8	1.8	1.5	.8								5.9	4.1
SW	2.1	4.2	4.6	2.6	.2	.1						13.8	7.5
WSW	1.2	3.6	3.9	1.3	.3	.1						10.4	7.7
W	.5	2.0	1.4	.5								4.3	6.6
WNW	.2	.5	.4									1.0	5.6
NW	.8	1.1	.1	.1								2.0	4.7
NNW	.2	.4	.2									.8	4.8
VARBL	.9	.2										1.2	2.6
CALM												42.9	
	15.4	20.9	14.8	5.8	.6	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 1033

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0400-0800 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.6	.1	.1								1.7	4.5
NNE	.5	.7	.2									1.4	4.6
NE	1.6	2.5	1.2	.2								5.6	5.1
ENE	.7	1.6	.7	.1								3.2	5.3
E	.6	.4	.2									1.2	4.2
ESE	.2											.2	2.4
SE	.7	.2	.1	.1								1.1	4.1
SSE	.3	.1	.1	.1								.5	3.4
S	1.5	1.0	.2	.1								2.8	3.9
SSW	1.1	1.9	1.2	.3								4.6	3.9
SW	1.5	4.4	3.9	2.8	.7	.2						13.4	5.3
WSW	1.2	4.0	6.4	2.2	.3							14.3	5.2
W	.6	1.7	2.3	.6	.1							5.3	7.3
WNW	.3	.4	.2									.9	4.9
NW	.3	.6	.1									1.1	4.1
NNW	.6	.4	.2									1.3	4.6
VARBL	1.5	.8	.1	.1								2.3	3.4
CALM												38.7	
	14.3	21.4	17.3	6.9	1.2	.2						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1743

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94056	SEMBACH AB GERMANY	53-72	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

0900-1100 HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.1	.4	.1								2.3	6.8
NNE	1.0	.7	.6	.1								2.3	6.8
NE	1.2	2.5	2.2	.5								6.4	6.2
ENE	.8	2.4	1.6	.4								5.2	6.2
E	.6	1.9	.8	.3								3.6	5.8
ESE	.6	.3	.2	.1								1.4	5.3
SE	.3	.8	.3	.2								1.8	6.3
SSE	.3	.5	.2	.1	.1							1.1	6.3
S	1.5	1.0	.4									2.9	4.2
SSW	.6	1.0	1.4	.6	.7	.1						3.6	7.2
SW	1.0	3.0	5.2	3.6	.7	.3						13.8	9.3
WSW	.9	4.1	7.3	6.3	.8	.2						19.9	9.7
W	1.1	3.0	5.3	3.0	.8	.2	.1					13.7	9.3
WNW	.6	.7	.3	.2								1.7	5.3
NW	.3	1.1	.6	.1								2.2	5.7
NNW	.7	.7	.3									1.8	6.8
VARBL	2.7	2.2	.8	.3								6.0	6.6
CALM												10.3	
	14.9	27.0	28.6	16.0	2.4	.8	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1787

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 58-72 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1800-1600 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.0	.4	.2								2.2	5.3
NNE	.5	1.3	.8	.1								2.7	5.3
NE	.6	1.9	1.4	.8								4.7	6.8
ENE	.4	1.9	2.0	.9								5.2	7.2
E	.9	2.3	1.8	.2								5.2	6.3
ESE	.1	.2	.7	.1								1.2	7.4
SE	.1	.3	.7	.3								1.6	7.7
SSE	.3	.6	.3	.1								1.4	5.8
S	.9	1.3	1.0	.4								3.7	6.2
SSW	.3	1.1	1.0	.5	.1	.1						3.9	8.0
SW	.3	2.0	4.0	4.0	1.0	.3	.1					11.7	10.8
WSW	.6	3.0	6.3	7.0	1.4	.6	.1					19.4	10.9
W	.9	3.4	7.4	5.6	1.1	.2						18.6	9.9
WNW	.4	1.1	.9	.3	.1							3.0	7.2
NW	.3	.4	1.2	.3								2.7	7.0
NNW	.3	1.1	1.2	.3								3.0	6.8
VARBL	1.7	2.3	1.3	.3								6.0	5.7
CALM												3.7	
	9.8	26.0	33.8	21.8	3.8	1.4	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 1780

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-72 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1800-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.3	1.4	.1								3.1	6.3
NNE	.4	1.1	.5									2.0	5.3
NE	.9	2.6	1.9	.6								6.0	6.3
ENE	.6	1.7	1.6	.8								4.7	7.0
E	.5	2.3	1.4	.5								4.7	6.4
ESE	.1	.6	.5	.1								1.2	6.2
SE	.4	1.1	.7	.2								2.3	6.2
SSE	.3	.8	.2	.1								1.3	5.9
S	1.0	1.4	1.1	.3								3.9	5.9
SSW	.6	1.3	1.3	.7	.1	.1						4.1	8.0
SW	.8	1.5	3.9	4.1	.8	.2						11.3	10.3
WSW	.5	2.4	7.6	6.6	1.1	.5	.1					18.8	10.7
W	.5	2.9	6.6	6.4	1.2		.1	.1				17.7	10.4
WNW	.6	.9	1.0	.9								3.4	7.7
NW	.2	1.0	1.1	.2								2.6	7.1
NNW	.3	1.0	1.1	.1								2.6	5.9
VARBL	1.3	2.7	1.6	.5	.1							6.4	6.2
CALM												3.9	
	9.5	26.8	33.7	22.3	3.9	.7	.2	.1				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1783

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-71 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	.6	.1								3.4	5.0
NNE	.8	1.8	.4	.1								3.1	4.9
NE	1.4	2.0	1.8	.3								5.5	5.4
ENE	1.6	2.8	1.1	.1								5.6	5.1
E	1.6	2.0	.9	.1								4.6	4.9
ESE	.7	.2	.3	.1								1.3	4.9
SE	.6	.8	.6									2.0	3.3
SSE	.8	.6		.1								1.5	3.9
S	1.4	1.8	.9	.5								4.6	5.0
SSW	1.1	1.3	1.0	.3								3.7	5.0
SW	1.0	2.8	4.9	2.5	.3							11.5	8.6
WSW	1.1	3.6	6.5	3.6	.6							15.3	8.7
W	1.5	6.3	5.6	2.6	.3	.1						16.4	7.6
WNW	.9	1.3	.7	.2								3.0	5.3
NW	.3	1.0	.4	.2								1.9	6.0
NNW	1.0	1.1	.6									2.7	4.8
VARBL	.9	.6										1.5	3.6
CALM												12.2	
	17.6	31.8	26.3	10.7	1.2	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 1977

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94036 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-70 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 21:0-22:0 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.1	.4									2.3	4.6
NNE	.3	1.4	.4	.1								2.6	4.3
NE	1.1	2.1	1.1	.1								5.3	5.2
ENE	1.3	1.5	1.3	.4								4.6	5.7
E	.8	1.1	.2									2.1	4.6
ESE	.7	.1	.2	.1								1.1	4.1
SE	.7	.7	.1									1.5	3.7
SSE	.7	.2	.2									1.1	4.2
S	1.6	1.3	.9	.1								4.1	4.6
SSW	1.3	1.3	.2	.3	.0							3.1	5.5
SW	2.5	4.5	3.4	2.0	.2							11.5	7.1
WSW	2.8	3.8	3.8	1.0	.2	.1						10.7	7.4
W	2.4	2.2	2.2	1.0	.0	.1						7.4	7.2
WNW	.8	.8	.1	.1								1.0	4.8
NW	.7	1.0	.4	.1	.1							2.2	5.6
NNW	.8	.8	.2									1.7	4.0
VARBL	.0	.1										.0	2.7
CALM												36.1	
	10.2	24.0	15.2	6.0	.8	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 1870

USAFETAC FORM 0-8-5 (OL-A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-60,71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0000-0800 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1,0	,8										1,4	3,2
NNE	,6	,8	,2									1,7	4,3
NE	1,4	4,0	1,7	,3								7,3	3,7
ENE	1,0	2,7	1,4									5,1	3,4
E	,6	,8	,3	,2								2,1	0,0
ESE	,1	,1	,1	,1								,3	0,0
SE	,2	,1	,1									,8	3,8
SSE	,2	,2	,3									,8	3,0
S	1,3	1,0	,1									2,4	3,0
SSW	1,1	1,3	,6	,3	,1	,1						3,7	0,8
SW	1,9	3,6	4,3	2,3	,6							12,7	0,0
WSW	1,8	2,3	3,1	2,0	,3	,3						10,3	0,8
W	,9	1,9	1,3	,6								4,9	0,4
WNW	,3	,4	,3	,1	,1							1,1	0,0
NW	,1	,6	,1	,1								,8	3,7
NNW	,4	,8	,1									1,3	4,8
VARBL	,1											,1	1,0
CALM												42,9	
	13,1	30,8	14,6	7,0	1,2	,3						100,0	3,8

TOTAL NUMBER OF OBSERVATIONS 1684

USAFETAC FORM 0-8-5 OL-A (JUL 64) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34050	SEMBACH AB GERMANY	53-72	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

0300-0800 (HOURS (L S T))

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	.6	.1									1.3	3.9
NNE	.9	1.0	.3									2.2	4.3
NE	1.7	3.3	2.0	.1								7.3	5.3
ENE	1.0	1.8	1.3	.1								4.2	5.3
E	.6	.7	.2	.1								1.3	5.0
ESE	.8	.4		.2								.8	4.8
SE	.8	.4	.1									.9	3.1
SSE	.8	.6	.3									1.3	4.4
S	1.3	1.7	.1									3.1	3.7
SSW	1.1	1.8	1.0	.2	.1							3.7	6.1
SW	1.8	3.8	4.4	2.3	.8	.1						12.8	8.2
WSW	.7	2.6	3.0	3.0	.8	.1						10.6	9.1
W	.6	1.7	1.8	.8	.3							4.3	6.9
WNW	.3	.3		.1	.1		.1					.8	7.4
NW	.1	.4	.2	.1								.8	7.6
NNW	.3	.4	.1									.8	3.8
VARBL	.4											.4	1.8
CALM												43.6	
	12.7	20.2	12.8	6.0	1.8	.1	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1813

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34036 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

0400-0800 (HOURS (L S T))

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.5										1.0	3.6
NNE	.8	.6	.3									1.7	4.4
NE	2.2	2.9	2.1	.2								7.5	5.4
ENE	1.2	2.7	1.9	.2								6.0	5.8
E	.4	.3	.3									1.0	5.3
ESE	.3	.1	.2									.6	4.9
SE	.4	.3	.1									.7	3.3
SSE	.7	.2	.2									1.1	4.1
S	1.3	1.1	.6									3.0	4.1
SSW	1.4	1.3	.6	.3								3.8	5.3
SW	1.3	3.4	4.3	3.3	.4	.2	.1	.1				13.3	8.8
WSW	1.0	2.0	3.6	3.2	.3	.2	.1					10.3	9.7
W	1.1	1.0	1.3	1.1	.1							4.7	7.6
WNW	.1	.2	.1		.1	.1						.5	10.8
NW	.2		.2									.5	5.9
NNW	.6	.3	.2	.1								1.1	4.3
VARBL	.7	.4										1.0	3.1
CALM												41.9	
	14.0	17.3	16.3	8.8	1.1	.5	.1	.1				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1077

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

10050 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

0900-1100 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.0	.3									2.0	4.4
NNE	.7	.5	.3									1.3	4.4
NE	1.2	3.1	3.6	.4								8.3	6.2
ENE	.9	3.6	3.1	.8								8.3	6.6
E	.8	1.8	2.3	.5								5.4	6.8
ESE	.5	.4	.5	.1								1.4	6.2
SE	.3	.4										.7	3.7
SSE	.6	.4	.1									1.1	3.6
S	1.0	.9	.8	.1		.1						2.8	5.7
SSW	.7	1.8	1.4	.7								4.6	6.7
SW	.8	2.7	3.2	3.7	.8	.7						13.9	10.0
WSW	.8	2.1	3.3	5.8	.9	.3	.1					15.4	10.6
W	.7	2.0	3.4	3.0	.5	.1	.1					9.8	9.7
WNW	.3	.3	.2	.2								.9	7.3
NW	.3	.4	.6	.1								1.4	6.6
NNW	.7	.3	.2									1.3	4.0
VARBL	2.3	1.1	1.0	.2								4.6	4.3
CALM												16.8	
	13.1	22.7	28.2	15.6	2.3	1.1	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1883

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94050	SEMBACH AB GERMANY	53-72	SEP
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

1200-1600 (HOURS (L S T))

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	.8	.1								3.0	5.1
NNE	.5	1.1	.8	.1								2.4	5.7
NE	.7	3.0	4.0	.8								9.0	6.9
ENE	.5	3.1	3.3	.8								8.1	7.0
E	.7	1.8	2.7	1.1								6.2	7.6
ESE	.2	.5	1.0	.1								1.8	7.1
SE	.2	.8	.8	.2								1.6	6.7
SSE	.2	.5	.4									1.0	5.5
S	.8	1.2	1.2	.4								3.7	6.3
SSW	.2	1.2	1.9	1.1			.1					4.7	8.3
SW	.3	1.7	4.2	4.8	.8	.7	.1					12.7	11.3
WSW	.8	1.5	3.1	6.3	1.2	.2	.1					13.3	11.0
W	1.0	2.1	4.8	4.0	1.2	.1	.1					13.0	10.2
WNW	.4	.5	.7	.3	.1							2.0	7.8
NW	.4	.6	.9	.2								1.7	6.6
NNW	.4	.7	.2									1.2	6.7
VARBL	2.6	2.1	1.2	.6								6.5	5.1
CALM												6.1	
	11.2	33.8	33.0	21.2	3.4	1.0	.3					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1881

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34050 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1300-1700 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.1	.7	.2	.1							3.4	6.4
NNE	.3	1.6	.5	.1								2.5	5.8
NE	.7	3.0	2.9	.4								7.1	6.4
ENE	1.6	4.2	4.3	.6								10.7	6.3
E	.7	3.0	3.2	.5								7.4	6.6
ESE	.4	.8	.7	.4								2.3	6.8
SE	.2	.7	.6									1.5	6.0
SSE	.1	1.3	.5									1.9	5.8
S	.6	1.7	1.0	.1								3.4	5.7
SSW	.4	1.5	1.9	.6	.2							4.2	7.9
SW	.4	2.2	4.9	2.8	1.2	.4						11.9	10.2
WSW	.2	2.4	5.1	6.1	1.4	.2						15.4	10.8
W	1.0	3.1	4.6	4.8	1.1							14.5	9.7
WNW	.5	.3	.7	.4								1.8	7.1
NW	.3	.7	.6	.2								1.7	6.7
NNW	.2	1.0	.5									1.7	5.8
VARBL	1.3	1.1	1.2	.3								4.1	5.5
CALM												4.5	
	9.4	30.6	33.5	17.4	3.9	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1678

USAFETAC FORM JUL 64 0-8-5 OL-A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-68,71-72 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

1800-2000 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.3									2.8	4.3
NNE	1.0	1.0	.5	.1								2.6	4.9
NE	3.0	5.2	1.7	.1								10.0	4.7
ENE	3.0	3.7	1.9	.1								8.8	4.8
E	2.0	2.7	1.7	.1								6.6	5.1
ESE	.7	.8	.2									1.7	4.3
SE	1.2	1.0	.1									2.4	3.7
SSE	1.0	.6	.1									1.7	3.5
S	1.3	1.7	.6									3.7	4.4
SSW	1.0	1.7	1.2	.2		.1						4.2	6.3
SW	1.2	3.2	3.0	1.9	.5	.3						10.1	8.7
WSW	1.3	3.5	5.3	2.1	.5	.1		.1				12.9	8.2
W	1.0	3.3	3.7	1.6	.1							9.8	7.5
WNW	.5	.4	.7	.1								1.7	6.0
NW	.3	.6	.4	.1								1.4	6.1
NNW	.4	.6	.2									1.2	4.7
VARBL	.2	.3										.6	4.0
CALM												16.2	
	20.4	31.0	21.8	6.3	1.1	.6		.1				100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1466

DATA PROCESSING BRANCH
STAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-68,71 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS LST)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.0	.3									2.1	4.6
NNE	.8	.8	.2									1.9	4.0
NE	2.5	3.6	1.9	.1								8.2	5.0
ENE	1.5	3.8	1.8	.1								7.1	5.2
E	.6	.7	1.1	.2								2.6	6.6
ESE	.2	.1	.1	.1								.6	6.3
SE	1.0	.2	.3									1.5	3.6
SSE	.8	.1										.9	2.9
S	1.6	1.5	.6									3.6	4.1
SSW	1.0	1.3	.9	.5								3.7	6.1
SW	1.6	3.6	4.2	1.8	.6	.3						12.1	8.2
WSW	1.2	2.9	3.2	2.6	.5							10.2	8.3
W	1.1	1.5	1.4	.6	.1							4.8	6.7
WNW		.5	.3		.1							.8	6.7
NW	.3	.3	.3		.1							1.0	5.7
NNW	.4	.4	.1									1.0	4.6
VARBL	.4	.1										.5	2.0
CALM												37.6	
	15.7	22.7	16.6	5.9	1.3	.3						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 1668

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67,71-72 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	.9	.4	.1								2.4	4.8
NNE	.8	1.1	.4	.1								2.3	4.5
NE	2.2	3.4	1.8	.5								7.9	5.5
ENE	1.3	2.1	1.4	.2								5.1	5.4
E	1.0	.9	.6	.1								2.6	4.8
ESE	.4	.1	.1									.6	4.1
SE	.4	.3	.1									.7	4.0
SSE	.7	.3	.2									1.2	4.1
S	1.3	1.2	.4	.1								3.0	4.7
SSW	.8	1.3	.9	.6	.4							4.1	7.7
SW	1.1	3.7	3.9	4.4	.9	.1						14.0	9.3
WSW	.6	2.4	3.2	2.2	.5	.1						8.9	9.2
W	.8	1.1	1.5	.6	.1							4.1	7.3
WNW	.1	.3	.2									.9	3.8
NW	.1	.3	.1									.6	4.9
NNW	.4	.6	.2	.1								1.2	4.9
VARBL	.1			.1								.1	7.5
CALM												40.3	
	12.7	20.5	15.5	9.0	1.9	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1423

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 58-72 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0300-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.5	.7	.1								1.8	6.7
NNE	.7	1.2	.3	.2								2.4	5.2
NE	1.5	3.2	1.2	.6								6.5	5.5
ENE	1.7	2.6	1.3	.2		.2						6.0	5.9
E	.8	1.3	.5	.1								2.8	4.8
ESE	.2											.2	2.0
SE	.4	.6	.2									1.2	4.4
SSE	.4	.1										.5	3.0
S	1.6	1.2	.3	.1								3.3	6.2
SSW	1.5	1.3	.5	.7	.3	.1						4.3	7.0
SW	2.0	3.9	3.1	4.6	.6	.3	.1					14.5	9.1
WSW	.7	2.0	3.3	3.0	.7	.1						9.7	9.3
W	.4	1.4	1.6	.7	.2							4.3	7.9
WNW	.2	.4										.6	6.1
NW	.1	.3	.2	.1								.8	7.0
NNW	.4	.3	.1									.8	5.5
VARBL	.3											.3	2.3
CALM												40.3	
	13.2	20.4	13.4	10.3	1.8	.6	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1819

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

0600-0800 (HOURS L S T)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.9	.3									1.7	4.7
NNE	.9	.6	.3									1.8	4.2
NE	2.2	4.4	2.0	.8								7.4	5.6
ENE	1.7	3.4	1.3	.2		.1						6.9	5.3
E	1.5	1.0	.5									3.0	4.1
ESE	.2	.2	.1									.4	4.0
SE	.3	.3										.7	3.8
SSE	.3	.4	.1									.8	4.1
S	2.0	.8	.6	.1								3.6	4.2
SSW	1.1	2.3	.9	.4	.1							4.7	6.0
SW	1.4	3.7	6.1	3.8	.6	.3	.1					16.0	9.3
WSW	1.6	2.8	4.1	2.8	.6	.3						11.7	8.6
W	.7	1.3	1.3	.4	.1							4.0	7.0
WNW	.3	.1	.1									.5	4.0
NW	.3	.2	.2									.6	4.6
NNW	.3	.3	.2									1.0	4.8
VARBL	1.3	.2	.1	.1								1.6	3.0
CALM												35.7	
	16.5	21.3	16.2	8.0	1.9	.7	.1					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1718

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056	SEMBACH AB GERMANY	59-72	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

0900-1100 (HOURS (L S T))

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.6	.7	.1								1.9	5.6
NNE	1.2	1.3	.7	.2								3.4	5.3
NE	1.6	3.6	2.4	.2								7.9	5.7
ENE	1.2	3.3	2.6	.3	.1							7.6	6.1
E	.7	1.7	1.9	.2								4.5	6.3
ESE	.5	.2	.3	.1								1.0	5.3
SE	.2	.3	.2									.8	4.8
SSE	.3	.2	.1	.1								.7	5.4
S	2.0	.6	.6	.1								3.4	4.6
SSW	1.0	1.2	1.2	.5	.3	.1						4.2	7.8
SW	1.3	3.6	6.1	4.3	1.4	.2						16.8	9.3
WSW	.9	2.8	4.7	4.3	1.0	.2						14.1	8.9
W	.9	1.6	2.4	1.0	.1							6.1	7.5
WNW	.3	.3	.3	.2								1.3	6.7
NW	.2	.4	.3	.1	.1							1.2	6.9
NNW	.2	.3	.3	.2								1.3	7.3
VARBL	1.8	.8	.6	.3								3.6	5.0
CALM												20.1	
	14.8	23.3	26.0	12.3	3.0	.5						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1718

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-72 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.9	.8	.2								3.1	6.0
NNE	.5	1.2	1.1	.1								2.8	6.0
NE	.9	3.7	3.0	.5	.1							8.3	6.7
ENE	.2	3.5	3.4	.7								8.0	6.9
E	.5	2.0	3.4	.5	.1							6.4	7.2
ESE	.2	.5	.8	.1								1.5	7.2
SE	.4	.5	.6	.1								1.2	6.8
SSE	.3	.2	.2									.8	5.2
S	.8	.9	.8	.4	.1							2.0	7.1
SSW	.6	.7	1.9	1.3	.2							4.8	9.1
SW	.6	2.1	5.1	4.7	1.2	.2						13.9	10.4
WSW	.6	3.0	6.9	5.8	1.2	.6						18.0	10.6
W	.7	3.1	3.9	1.6	.4							9.7	8.2
WNW	.5	.6	.6	.6								2.3	7.4
NW	.1	.8	.6	.1	.1							1.7	6.7
NNW	.3	.8	.6	.2								1.7	7.0
VARBL	1.7	.6	1.3	.6	.2							4.8	6.3
CALM												8.4	
	8.7	25.9	38.0	17.7	3.9	.8						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1721

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94056	SEMBACH AB GERMANY	53-72	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

1800-1700
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.2	1.0	.2	.1							3.1	6.3
NNE	.6	1.6	.2									2	4.6
NE	1.1	4.7	2.7	.2	.1							8.9	6.0
ENE	2.0	5.4	3.4	.7	.1							11.5	6.0
E	1.2	3.8	2.4	.6								7.9	6.1
ESE	.1	.6	.6									1.4	6.3
SE	.2	.6	.6									1.4	6.0
SSE	.2	.3	.1	.1								.6	5.1
S	.3	.8	1.2	.5								2.7	7.3
SSW	.6	.8	1.4	.8	.2							3.7	8.2
SW	.6	3.1	3.7	4.4	.9							14.9	9.5
WSW	1.0	3.8	3.8	4.4	.4	.2						13.7	9.0
W	1.4	3.9	3.2	1.6	.3	.1						10.5	7.4
WNW	.2	.6	.6	.3								1.9	5.0
NW	.2	.3	.7	.2	.1							1.5	6.0
NNW	.2	.7	.7	.2								1.9	6.6
VARBL	.6	.9	.9	.6	.1							3.0	7.2
CALM												7.0	
	11.3	33.3	31.2	14.8	2.2	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1716

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67,69,71-72 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 18:0-20:0 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.2	.3									1.9	5.1
NNE	.5	1.2	.3									2.1	4.5
NE	3.7	4.3	1.2	.5								10.1	4.9
ENE	2.5	4.9	1.6	.3	.1							9.4	5.2
E	1.2	2.4	1.2									4.8	4.5
ESE	.5	.1	.1									.8	2.5
SE	.6	.5	.1									1.1	3.6
SSE	1.3	.3	.2									1.8	3.7
S	1.5	1.7	.9	.3								4.4	5.5
SSW	1.3	1.0	1.4	.7	.2							4.2	7.4
SW	1.5	4.1	3.8	3.1	.1	.1						12.6	8.0
WSW	1.2	2.2	3.3	2.1	.2							9.1	8.1
W	1.0	2.4	1.7	1.3	.2							6.6	7.6
WNW	.3	.6										.8	3.8
NW	.5	.4	.5	.1								1.5	6.0
NNW	.4	.5	.2									1.1	4.6
VARBL			.1	.1								.2	10.0
CALM												27.9	
	18.0	28.1	16.9	8.7	.9	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1448

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67,69,71-72 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.5	.6	.1								1.8	3.2
NNE	1.2	.4	.6									2.2	4.6
NE	2.1	3.1	1.7	.5								7.4	5.6
ENE	1.7	3.6	1.7	.3	.1							7.4	5.6
E	1.5	1.7	.5	.1								3.7	4.4
ESE	.1		.1									.2	4.3
SE	.3	.3										.7	4.0
SSE	.6	.7										1.2	3.7
S	1.3	1.3	.5	.2								3.3	5.0
SSW	.4	1.7	1.0	.6	.1	.1						3.8	7.3
SW	1.5	2.6	3.1	3.9	.6							11.6	8.9
WSW	1.2	1.7	2.8	2.1	.2	.1						8.1	8.3
W	.8	1.9	1.3	1.2								5.3	7.1
WNW	.1	.3	.4	.1								1.1	6.4
NW	.4	.3	.3	.3								1.3	6.6
NNW	.3	.3	.1									.8	4.1
VARBL		.1	.2	.1								.3	9.0
CALM												37.7	
	14.4	20.7	18.8	9.4	.9	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 1662

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	.4	.2								2.8	5.1
NNE	1.3	1.0	.4	.1								2.1	4.6
NE	2.4	5.0	3.8	1.3								12.6	6.4
ENE	2.1	3.0	2.7	1.0								8.8	6.2
E	.7	2.3	1.0	.3								4.3	5.7
ESE	.4	.7	.3	.1								1.6	5.2
SE	.4	.2	.2	.1								1.0	4.0
SSE	.1	.7	.3	.1								1.2	5.8
S	2.4	1.6	.6	.4	.1							5.0	5.0
SSW	.5	1.0	1.0	.4	.1	.1						3.9	7.3
SW	1.3	4.1	3.2	4.7	1.0	.3	.1					14.6	9.4
WSW	.6	1.3	2.9	3.0	1.0	.3	.1					9.8	11.3
W	.6	1.3	.7	1.3	.1							4.2	8.4
WNW	.4	.3	.1	.1								.9	4.3
NW	.4	.4	.2									1.0	4.4
NNW	.3	.7	.1	.1	.1							1.3	7.1
VARBL													
CALM												23.7	
	18.7	24.9	18.8	12.8	2.4	1.2	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 1948

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056	SEMBACH AB GERMANY	59-72	ACV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER — CLASS

0300-0900 — HOURS L S T

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.2	.6									2.9	6.9
NNE	1.2	1.3	.2	.1								2.9	4.5
NE	1.4	3.2	4.2	1.2	.1							10.2	7.0
ENE	1.2	4.2	2.2	.6								8.3	6.0
E	.7	1.7	1.2	.6								4.2	6.5
ESE	.2	.6	.2	.2								1.4	7.2
SE	.4	.2	.2									1.0	4.4
SSE	.6	.4		.1								1.1	4.7
S	1.2	1.2	.7	.1	.1							3.4	5.6
SSW	1.1	1.4	.9	.4	.2	.1						4.2	6.9
SW	1.0	3.7	4.8	4.2	.8	.2	.1					16.0	9.1
WSW	1.0	1.2	2.8	2.9	1.2	.6						10.0	11.0
W	.2	1.2	1.6	1.1	.2	.1						4.4	8.8
WNW	.2	.1	.1	.1								.6	5.4
NW	.4	.2	.2	.1								.9	7.0
NNW	.4	1.2	.2	.2	.1							1.9	7.2
VARBL	.1	.1	.2	.2	.1							.6	10.2
CALM												25.5	
	12.9	24.2	20.8	12.7	2.9	1.0	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 1443

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 59-72 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.2	.4	.2								2.8	6.8
NNE	.6	1.3	.2	.3								2.5	5.7
NE	1.8	5.4	3.8	1.4								12.3	6.4
ENE	1.1	2.6	2.6	.8								7.1	6.6
E	1.3	2.3	1.3	.4								5.3	5.8
ESE	.4	.3	.2									1.1	4.7
SE	.4	1.0	.1									1.5	4.6
SSE	.4	.3	.1	.1								1.1	5.1
S	1.0	1.3	.2	.1	.1							3.0	4.8
SSW	1.1	1.4	1.2	.4	.2	.1						4.3	6.8
SW	1.4	3.6	3.7	5.8	1.0	.8	.1	.1				16.2	10.2
WSW	.8	2.6	3.0	3.1	.4	.3	.1					10.4	9.8
W	.9	1.4	2.0	1.0	.3							5.7	8.0
WNW	.2	.2	.2	.1								.7	5.9
NW		.0	.1	.1								.7	5.8
NNW	.0	.3	.3	.2								1.4	5.6
VARBL	.4	.1	.1	.7	.4							1.7	11.7
CALM												22.0	
	13.7	26.3	19.8	14.7	2.5	.9	.2	.1				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1025

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 52-72 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS L.S.T.)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.2	.7	.1								2.6	5.6
NNE	.6	.9	.2	.4								2.0	5.6
NE	1.6	4.2	2.6	1.2	.1							9.7	6.7
ENE	1.5	3.0	3.7	1.2								9.4	6.7
E	1.5	2.5	1.7	.7								6.5	6.0
ESE	.7	.4	.2									1.3	4.0
SE	.4	.7		.1								1.2	5.1
SSE	.5	.6	.5									1.6	5.3
S	1.7	1.0	.7	.3								3.7	5.0
SSW	.9	1.4	1.3	.6	.3	.1						4.6	7.8
SW	1.3	2.9	4.5	5.1	1.8	.6	.1					16.2	10.6
WSW	.8	2.4	3.1	4.3	1.2	.1	.2	.1				12.2	10.8
W	.8	1.4	2.3	1.2	.2	.1	.1	.1				6.1	8.7
WNW	.2	.6	.1		.1							1.0	5.9
NW	.6	.4	.3									1.3	4.4
NNW	.2	.6	.1									.9	4.6
VARBL	.9	.2	.2	.6	.6							2.4	10.2
CALM												17.5	
	14.6	24.5	22.2	15.8	4.2	.8	.3	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 1634

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

24036 STATION — SEMBACH AB GERMANY STATION NAME — 53-72 YEARS — NOV MONTH

ALL WEATHER CLASS — 1200-1400 HOURS (LST)

CONDITION

SPEED (KNTS) / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.4	.8	.2								3.2	5.6
NNE	.6	1.2	.4	.1								2.2	5.3
NE	1.7	3.6	4.1	1.2	.1							10.7	6.8
ENE	.9	4.0	3.4	.9								9.2	6.8
E	.8	2.0	2.6	1.0								6.4	7.3
ESE	.1	1.1	.5									1.7	5.7
SE	.6	.6	.7	.2	.1							2.2	6.5
SSE	.3	.2	.3	.1								.9	5.2
S	.6	1.4	.9	.2	.1							3.1	6.3
SSW	.4	.9	1.9	1.2	.2	.1						6.6	9.3
SW	.7	3.0	5.8	5.1	1.7	1.1	.1					17.4	11.2
WSW	.6	2.8	3.6	3.1	1.3	.2						13.9	10.5
W	1.1	2.6	2.4	2.0	.5	.1	.1					8.6	8.8
WNW	.3	.2	.4		.1							1.2	5.6
NW	.1	.4	.2	.1								.9	6.3
NNW	.2	.9	.6	.1	.1							1.8	6.2
VARBL	.9	.3	.2	.7	.4	.1						2.7	9.0
CALM												9.6	
	10.9	26.6	28.8	18.0	4.4	1.4	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 1619

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

10056	SEYBACH AB GERMANY	53-72	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	1.0	.1								3.6	5.3
NNE	1.2	1.2	.5	.2								3.1	4.8
NE	1.7	5.3	3.7	1.0	.1							11.8	6.4
ENE	2.1	3.4	2.5	1.4								9.4	6.4
E	1.4	3.3	3.0	.3								7.9	6.0
ESE	.3	1.0	.3	.2								1.9	6.1
SE	.2	.8	.4	.2								1.6	6.2
SSE	.4	.7	.6	.1								1.8	6.0
S	1.0	1.1	2.0	.2	.1							4.3	6.3
SSW	.5	.8	1.2	1.0	.1							3.6	8.4
SW	.7	3.1	5.9	4.4	1.0	.7	.1					15.9	10.4
WSW	1.0	2.3	3.9	4.1	.7	.4						12.4	10.1
W	1.0	1.9	2.7	1.5	.4							7.5	8.1
WNW	.2	.6	.2		.1							1.1	5.9
NW	.1	.4	.1	.1								.7	5.7
NNW	.1	.8	.6	.1								1.6	6.1
VARBL	.6	.4	.1	.6	.2	.1						1.9	9.0
CALM												9.7	
	13.6	28.8	28.7	15.3	2.6	1.2	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1025

USAFETAC FORM JUL 64 0-8-5 OLD A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

1800-2000 (HOURS (L S T))

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.8	.6									2.1	5.0
NNE	1.1	1.6	.5	.1								3.3	4.7
NE	2.4	4.7	3.7	1.3								12.1	6.3
ENE	1.5	4.2	3.3	1.1	.1							10.2	6.5
E	2.3	2.8	1.6	.5								7.2	5.4
ESE	.2	.7	.2									1.1	5.1
SE	.7	.7	.7									2.1	5.4
SSE	.6	.7	.5	.1								1.9	5.4
S	1.0	1.8	1.3	.4								4.7	6.0
SSW	.9	1.0	1.3	.8	.1							3.8	6.8
SW	1.3	3.5	4.3	4.2	1.3	.7						15.4	9.9
WSW	1.4	2.2	2.3	2.7	.7	.4	.1					10.0	9.3
W	.9	.9	1.4	1.1	.1	.2						4.6	8.4
WNW	.1	.4	.1		.1							.7	6.3
NW	.1	.2	.2	.1								1.5	7.3
NNW	.4	.4	.4									1.2	4.8
VARBL													
CALM												18.1	
	15.5	30.9	28.6	12.4	2.2	1.2	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (LST))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	1.0	.4	.1								2.4	6.8
NNE	1.0	1.6	.1	.1								2.7	4.2
NE	2.1	4.9	2.9	1.6								11.4	6.4
ENE	1.6	3.8	2.9	.8	.1							9.1	6.4
E	1.8	2.3	1.9	.5								6.5	5.8
ESE	.4	.3	.4	.1								1.3	6.6
SE	.4	.4	.3	.1								1.4	6.2
SSE	.3	.4	.2	.1								1.0	5.0
S	.4	2.1	1.0	.2								3.8	5.9
SSW	1.0	1.3	1.4	.8								4.5	6.9
SW	1.0	3.9	4.8	3.6	1.3	.8						15.4	10.0
WSW	1.0	2.2	2.7	3.0	.7	.4	.1					10.2	10.2
W	.4	1.3	1.4	.9	.4	.2						4.5	9.5
WNW	.3	.4	.1	.1								.9	8.0
NW	.1	.6	.1	.1								.9	8.5
NNW	.1	.8	.2	.1								1.1	8.6
VARBL													
CALM												22.8	
	12.8	27.4	21.1	12.2	2.4	1.4	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 1369

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67,72 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	,8	,8	,4	,2								2,2	3,3
NNE	,2	,6	,4	,1								1,2	3,9
NE	2,0	3,6	2,2	,5								8,3	5,7
ENE	,9	2,4	2,4	,6								6,5	6,4
E	1,6	2,3	2,2	,1								6,2	5,7
ESE	,1	,4	,1	,1								,6	6,7
SE	,3	,5	,1	,1								,9	5,0
SSE	,3	,2	,1	,1								,6	5,0
S	1,4	1,2	,9	,4	,1							4,2	6,2
SSW	1,6	1,3	1,4	,6	,2							5,0	6,7
SW	1,0	3,0	5,2	7,5	2,4	,9	,1					20,1	11,5
WSW	,6	1,6	2,7	5,9	2,0	1,1	,3					14,3	12,9
W	,6	2,1	2,4	2,0	,6	,1						7,7	9,5
WNW	,3	,4	,1	,1								,9	6,0
NW	,2	,7	,2									1,1	4,8
NNW	,3	,9	,2	,2								1,6	5,3
VARBL													
CALM												18,2	
	12,3	21,9	20,9	18,7	5,4	2,1	,4					100,0	7,2

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0300-0800 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.1	.7	.1								2.3	6.0
NNE	.5	.7	.6	.1								1.9	5.2
NE	1.9	3.3	1.4	.5								7.1	5.6
ENE	.7	2.9	3.0	.6								7.2	6.6
E	.9	2.3	3.0	.3								6.6	6.5
ESE	.5	.3	.3	.1								1.2	5.1
SE	.3	.2	.1	.1								.8	5.7
SSE	.3	.6	.1	.3								1.3	6.4
S	1.0	1.1	.5	.1								2.8	5.0
SSW	.4	.7	.8	.7	.2							2.8	8.8
SW	1.1	2.9	5.8	8.2	2.0	.7	.1					20.7	11.3
WSW	.8	1.7	3.6	4.4	2.1	1.0	.1					13.4	12.6
W	1.4	1.8	2.3	2.3	.8	.4						8.7	9.9
WNW	.5	.3	.2	.1								1.1	5.3
NW	.8	.8	.3	.1	.1							1.2	6.3
NNW	.5	.7	.3									1.5	4.7
VARBL	.1			.1								.2	5.7
CALM												19.1	
	11.4	20.7	29.2	18.0	5.2	2.1	.3					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1690

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

24056	SEMBACH AB GERMANY	53-72	DEC	0400-0800
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	.6	.2	.1								1.3	5.0
NNE	1.3	.8	.3	.1								2.5	6.4
NE	1.8	3.4	2.0	.5								7.8	9.8
ENE	1.5	3.4	2.3	.5								7.7	8.9
E	1.3	2.4	2.4	.1								6.4	8.7
ESE	.4	.8	.5	.1								1.8	6.1
SE	.2	.4	.1									.7	4.3
SSE	.3	.3	.2	.1								1.1	6.8
S	.9	.8	.5	.2								2.4	8.4
SSW	1.3	1.5	.8	1.0	.2							4.8	7.0
SW	.8	2.7	5.6	6.0	1.6	.7	.2	.1				17.7	11.2
WSW	.7	2.3	3.5	5.2	2.4	1.1						15.3	12.1
W	1.0	1.2	2.5	2.0	.8	.4						7.8	10.3
WNW	.3	.2	.4	.1								1.1	6.4
NW	.2	.1	.1		.1							.8	5.4
NNW	.2	.4	.5	.1								1.2	6.1
VARBL	.7	.3		.2	.1							1.2	5.2
CALM												18.7	
	13.9	21.8	22.1	16.3	5.1	2.2	.2	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 1482

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056	SEMBACH AB GERMANY	53-72	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	.6	.2								2.1	5.6
NNE	.6	.5	.2	.3								1.6	5.7
NE	1.5	3.1	2.6	.9	.1							8.4	6.2
ENE	1.4	3.5	1.7	.5								7.1	5.8
E	1.5	2.7	2.4	.3								6.9	6.1
ESE	.4	.6	.6	.1								1.6	5.8
SE	.8	.5	.1									1.1	3.8
SSE	.4	.1	.1									.5	3.2
S	1.1	1.5	.5	.2	.1							3.1	5.3
SSW	.7	1.2	1.1	.8	.1							4.2	7.4
SW	.9	2.6	3.5	5.6	1.8	.8		.2	.1			17.6	11.4
WSW	1.0	2.8	4.2	6.6	2.4	.8	.1					17.8	11.7
W	.8	1.0	2.3	2.4	.9	.1						7.5	10.5
WNW	.3	.1	.2	.1	.1							.7	7.8
NW	.2	.1	.2									.5	5.0
NNW	.3	.3	.3	.1								.9	5.6
VARBL	.8	.9	.2	.2	.1							2.2	5.1
CALM												16.0	
	13.2	22.5	22.6	18.3	5.5	1.7	.1	.2	.1			100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1686

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	1.1	.8									2.4	5.5
NNE	.6	1.1	.5	.2								2.4	5.8
NE	1.4	2.9	2.7	.8								7.9	6.4
ENE	1.5	3.7	2.0	.9								8.1	6.3
E	.7	2.7	3.1	.2								6.8	6.5
ESE	.3	.6	.5	.1								1.5	6.1
SE	.3	.7	.3	.2								1.4	6.0
SSE	.2	.5		.1								.8	5.6
S	.3	.7	.5	.1	.1							1.9	5.6
SSW	.4	.8	1.1	1.5	.3							4.1	9.7
SW	.7	2.3	4.7	7.2	2.3	.8	.1	.1				18.1	12.0
WSW	.4	2.4	4.7	6.5	2.7	.8	.2					17.7	12.2
W	.8	1.8	2.1	3.6	.7	.2						9.2	10.2
WNW	.2	.4	.1	.4	.1		.1					1.1	9.6
NW	.2	.5	.4	.1								1.1	6.2
NNW	.4	.6	.7	.1								2.0	6.2
VARBL	.6	1.0	.3	.4								2.3	5.9
CALM												11.2	
	9.5	24.1	24.6	22.3	6.0	1.8	.4	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 1688

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

34056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-72 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0900-1700 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	1.6	.7	.2								3.3	5.2
NNE	.4	.7	.4	.2								1.6	5.1
NE	1.4	3.5	3.6	1.3								9.8	9.2
ENE	1.1	4.2	2.6	.6								8.5	6.1
E	1.5	4.0	2.2	.1								8.3	5.4
ESE	.2	.5	.3									1.1	5.1
SE	.6	.9	.2	.1								1.1	5.4
SSE	.3	.5	.2									1.1	4.8
S	.4	1.0	.5	.3	.1							2.3	6.5
SSW	.5	1.4	1.1	1.1								4.0	7.6
SW	.6	3.1	5.3	6.7	2.4	.7	.1	.1				19.3	11.4
WSW	1.3	1.0	3.9	5.1	1.8	.4	.1		.1			14.4	11.4
W	.7	1.7	2.3	2.1	1.1	.1						8.1	10.2
WNW	.1	.3	.5	.3		.1						1.3	9.9
NW	.5	.4	.2	.1				.1				1.2	8.3
NNW	.4	1.0	1.0	.2								2.6	6.3
VARBL	.7	.5	.4	.2								2.0	5.3
CALM												10.2	
	11.5	27.9	25.4	18.2	5.4	1.3	.2	.1	.1			100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 1683

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

24056 (STATION) SEMBACH AB GERMANY (STATION NAME) 53-67,72 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS - L S T -)

(CONDITION)

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	,4	,4	,8	,2								1,7	7,2
NNE	,9	1,1	,2	,1	,1							2,4	5,4
NE	1,8	2,3	1,7	,9								6,9	6,2
ENE	2,2	3,2	2,1	,4								7,8	5,7
E	1,4	2,7	2,1	,2								6,5	5,7
ESE	,3	,3	,1									,9	4,2
SE	,5	,5	,2									1,2	4,4
SSE	,4	,4		,1								,9	4,2
S	,9	2,4	,4	,4	,1							4,2	5,8
SSW	,9	1,8	1,9	1,3	,2							6,1	7,8
SW	1,0	3,3	5,2	5,8	1,9	1,1	,6	,1				19,1	11,9
WSW	,6	2,4	3,5	5,3	1,6	,4	,1	,1				14,1	11,6
W	,9	1,1	2,4	1,4	,7	,5						7,0	10,2
WNW	,1	,4	,6	,3	,1	,1						1,5	10,1
NW	,1	,4	,1	,1		,1						,9	8,7
NNW	,2	,5	1,1	,1								1,9	6,7
VARBL													
CALM												17,2	
	12,3	23,5	22,5	16,6	4,7	2,2	,7	,2				100,0	7,3

TOTAL NUMBER OF OBSERVATIONS 1295

1

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS

34056 STATION — SEMBACH AB GERMANY STATION NAME — 53-67 YEARS — DEC MONTH

ALL WEATHER CLASS — 2100-2300 GMT

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7	1.5	.1								2.6	7.3
NNE	.6	1.0	.4	.1								2.2	4.9
NE	1.6	4.2	1.4	.9	.1							8.1	5.9
ENE	1.5	2.9	2.4	.6								7.3	6.3
E	1.0	2.6	1.1	.3	.1							5.1	5.9
ESE	.2	.5	.4	.2								1.3	6.3
SE	.4	.2	.4									.9	5.7
SSE	.8	.3										1.1	3.1
S	1.2	.9	1.1	.3								3.5	5.7
SSW	.8	1.1	1.4	1.0	.1							4.2	8.3
SW	1.2	3.8	4.9	6.7	2.5	1.1	.2	.1				20.6	11.4
WSW	.6	2.2	3.3	5.4	1.6	.9	.4					14.4	12.3
W	1.0	1.6	2.5	1.5	.4	.3						7.4	9.2
WNW	.2	.1	.4	.1	.2							1.1	9.6
NW	.1	.7	.2		.1							1.1	6.1
NNW	.4	.2	.2	.2								1.1	6.3
VARBL													
CALM												18.2	
	11.4	23.3	21.0	17.5	5.1	2.3	.6	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1199

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

1

SURFACE WINDS

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

94C50 STATION — SEMBACH AB GERMANY STATION NAME — 53-72 YEARS — ALL MONTH

INSTRUMENT CLASS — ALL HOURS L.S.T.

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

SPEED KNTS / DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	1.0	.2	.0	.0						3.4	6.1
NNE	.7	1.1	.3	.2	.0	.0						2.6	5.5
NE	1.8	4.1	2.9	.9	.1	.0						9.7	6.3
ENE	1.3	2.7	2.1	.4	.0	.0						6.6	6.2
E	.9	1.9	1.2	.1	.0							4.2	5.0
ESE	.2	.3	.2	.0								.8	5.4
SE	.3	.3	.1	.0								.7	4.5
SSE	.2	.3	.1	.0								.5	4.1
S	1.0	.7	.2	.1	.0	.0						2.0	4.6
SSW	.6	1.3	1.1	.6	.1	.0	.0					3.9	7.1
SW	1.0	3.4	4.9	5.3	1.8	.6	.1	.0				17.2	10.6
WSW	.9	2.6	4.5	3.4	1.4	.6	.1	.0				13.5	10.9
W	.8	1.8	2.2	1.8	.4	.1	.0	.0				7.2	8.9
WNW	.3	.4	.2	.1	.0	.0	.0					1.0	6.5
NW	.3	.3	.2	.1	.0	.0						1.4	6.3
NNW	.3	.3	.1	.2	.0	.0						1.0	6.6
VARBL	.3	.2	.0	.1	.0							.9	4.5
CALM												20.5	
	12.2	24.0	22.2	15.7	3.8	1.3	.2	.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 37862

USAFETAC FORM [illegible]

U. S. AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

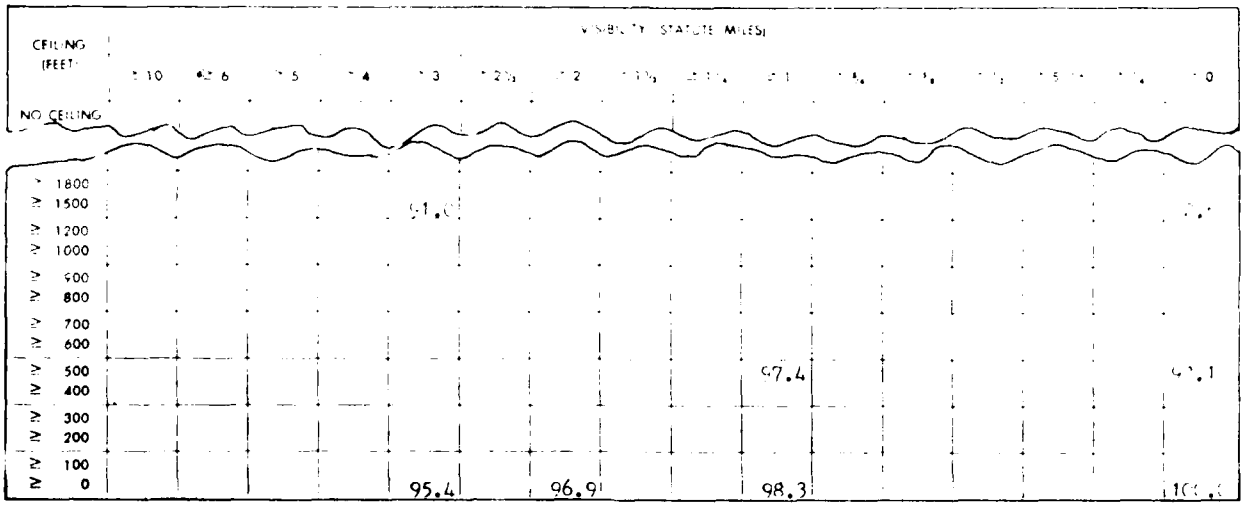
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U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1948. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1948 will be modified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

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1960.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION



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

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

874 29963

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of $\geq$ 1500 feet with $\geq$ 3 miles, subtracted from 97.4 read from the table at the intersection of $\geq$ 500 feet with $\geq$ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling $\geq$ 500 feet with visibility $\geq$ 1 mile, but < 3 miles; or ceiling $\geq$ 500 feet, but < 1500 feet with visibility $\geq$ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

874-29964

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS ALL

22.1	24.5	26.9	28.0	29.9	31.1	31.7	32.1	32.6	32.9	33.0	33.2	33.4	33.4	34.1
27.0	30.0	32.7	35.1	36.2	37.5	38.2	38.6	39.2	39.6	39.7	39.8	40.1	40.1	40.9
27.1	30.0	32.7	35.2	36.2	37.6	38.3	38.7	39.3	39.7	39.8	39.9	40.2	40.2	40.9
27.1	30.1	32.8	35.2	36.3	37.7	38.4	38.8	39.3	39.7	39.8	40.0	40.2	40.3	41.0
27.4	30.3	33.1	35.5	36.6	38.0	38.7	39.1	39.7	40.1	40.2	40.3	40.6	40.6	41.3
28.0	31.1	33.8	36.3	37.4	38.8	39.6	40.0	40.5	40.9	41.1	41.2	41.5	41.5	42.2
29.3	32.4	35.3	37.8	39.0	40.4	41.2	41.6	42.2	42.6	42.7	42.9	43.1	43.2	43.9
30.6	33.9	36.9	39.6	40.8	42.3	43.1	43.5	44.2	44.6	44.7	44.8	45.1	45.2	45.9
33.0	36.5	39.7	42.6	43.8	45.4	46.3	46.8	47.4	47.9	48.0	48.1	48.4	48.5	49.2
35.6	39.3	42.8	45.8	47.2	48.9	49.8	50.3	51.0	51.5	51.6	51.8	52.1	52.1	52.9
37.6	41.5	45.2	48.4	49.8	51.6	52.5	53.0	53.7	54.2	54.3	54.5	54.8	54.8	55.7
39.8	43.6	47.5	50.9	52.4	54.3	55.2	55.8	56.5	57.1	57.2	57.4	57.7	57.7	58.6
40.5	44.5	48.5	52.3	53.9	55.8	56.8	57.3	58.1	58.6	58.8	59.0	59.3	59.3	60.2
42.2	46.8	51.0	54.6	56.3	58.3	59.3	59.9	60.7	61.2	61.4	61.6	61.9	61.9	62.8
43.9	48.7	53.1	56.9	58.6	60.8	61.8	62.4	63.2	63.8	64.0	64.2	64.5	64.5	65.4
46.2	51.3	56.1	60.1	61.9	64.1	65.2	65.9	66.7	67.3	67.5	67.7	68.0	68.1	68.9
48.5	53.9	58.9	63.2	65.1	67.5	68.6	69.3	70.2	70.8	71.0	71.2	71.5	71.6	72.4
50.6	56.5	62.0	66.6	68.6	71.1	72.4	73.1	74.0	74.6	74.8	75.0	75.4	75.4	76.3
51.4	57.5	63.1	67.8	70.0	72.6	73.8	74.5	75.5	76.1	76.3	76.5	76.9	76.9	77.8
52.7	59.2	65.3	70.3	72.6	75.3	76.6	77.4	78.4	79.1	79.3	79.5	79.8	79.9	80.8
54.1	61.2	67.9	73.4	75.9	78.9	80.4	81.1	82.2	82.9	83.2	83.4	83.7	83.8	84.7
54.7	62.1	69.3	75.1	77.8	81.0	82.6	83.4	84.6	85.3	85.6	85.8	86.2	86.2	87.1
54.9	62.6	70.0	76.1	78.9	82.2	83.9	84.7	85.9	86.7	87.0	87.2	87.6	87.6	88.5
55.2	63.0	70.8	77.2	80.2	83.8	85.6	86.5	87.7	88.6	88.8	89.1	89.5	89.5	90.4
55.3	63.3	71.3	78.0	81.2	85.0	86.9	87.9	89.2	90.2	90.4	90.7	91.0	91.1	92.0
55.4	63.5	71.6	78.3	81.9	85.9	87.9	89.0	90.4	91.4	91.7	92.0	92.4	92.4	93.3
55.4	63.6	71.8	78.9	82.4	86.7	88.9	90.0	91.6	92.7	93.0	93.4	93.8	93.8	94.8
55.4	63.6	71.9	79.1	82.7	87.2	89.3	90.8	92.6	93.8	94.1	94.5	95.0	95.0	96.0
55.4	63.6	71.9	79.1	82.8	87.5	90.0	91.3	93.2	94.7	95.1	95.5	96.1	96.2	97.3
55.4	63.6	71.9	79.1	82.8	87.6	90.1	91.5	93.5	95.1	95.6	96.2	96.9	97.0	98.2
55.4	63.6	71.9	79.1	82.9	87.6	90.1	91.5	93.6	95.2	95.8	96.3	97.2	97.4	98.4
55.4	63.6	71.9	79.1	82.9	87.6	90.1	91.5	93.6	95.2	95.8	96.4	97.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 148098

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

9.6	12.2	14.6	17.1	18.4	20.4	21.3	21.9	22.7	23.1	23.2	23.3	23.5	23.6	24.0
11.4	14.4	17.1	20.0	21.5	23.6	24.6	25.3	26.2	26.8	26.9	27.0	27.2	27.3	27.7
11.4	14.4	17.1	20.0	21.5	23.7	24.7	25.4	26.3	26.8	26.9	27.1	27.3	27.4	27.8
11.4	14.5	17.1	20.0	21.5	23.7	24.7	25.4	26.3	26.8	27.0	27.1	27.4	27.4	27.8
11.6	14.6	17.2	20.2	21.7	23.9	24.9	25.6	26.5	27.0	27.2	27.3	27.6	27.6	28.0
12.0	15.0	17.7	20.7	22.2	24.4	25.4	26.1	27.1	27.6	27.7	27.9	28.1	28.2	28.6
12.6	15.6	18.4	21.4	23.0	25.2	26.4	27.1	28.0	28.6	28.7	28.9	29.1	29.2	29.6
13.1	16.4	19.1	22.4	23.9	26.4	27.5	28.3	29.2	29.8	29.9	30.1	30.3	30.4	30.8
13.9	17.3	20.3	23.7	25.4	28.0	29.1	29.9	30.9	31.5	31.6	31.8	32.1	32.1	32.5
14.9	18.4	21.6	25.2	26.9	29.6	30.8	31.6	32.6	33.2	33.4	33.6	33.9	33.9	34.4
15.8	19.4	22.7	26.5	28.3	31.0	32.2	33.1	34.1	34.8	35.0	35.2	35.5	35.5	36.0
16.7	20.4	23.9	27.8	29.7	32.8	33.9	34.8	35.9	36.6	36.8	37.0	37.3	37.4	37.8
17.1	20.9	24.5	28.4	30.3	33.2	34.6	35.6	36.6	37.3	37.6	37.8	38.1	38.1	38.6
17.9	21.9	25.7	29.7	31.8	34.7	36.2	37.2	38.3	39.0	39.3	39.5	39.8	39.9	40.3
19.1	23.3	27.3	31.5	33.6	36.6	38.0	39.1	40.2	41.0	41.2	41.5	41.8	41.8	42.3
20.7	25.2	29.6	34.1	36.4	39.6	41.2	42.2	43.4	44.2	44.5	44.8	45.1	45.2	45.6
22.6	27.5	32.1	37.0	39.4	42.8	44.4	45.5	46.7	47.5	47.9	48.1	48.5	48.5	49.0
24.9	30.6	36.0	41.3	44.1	47.8	49.6	50.7	52.0	52.9	53.2	53.5	53.8	53.9	54.4
25.8	31.8	37.4	43.0	45.8	49.7	51.5	52.7	54.1	55.0	55.3	55.6	55.9	56.0	56.4
27.4	34.0	40.1	46.2	49.4	53.6	55.6	56.9	58.3	59.3	59.6	59.9	60.3	60.3	60.8
29.6	36.8	43.7	50.3	54.0	58.8	60.9	62.2	63.8	64.9	65.3	65.6	65.9	66.0	66.5
30.6	38.4	45.9	53.4	57.3	62.4	64.7	66.2	67.9	69.1	69.5	69.8	70.2	70.2	70.7
31.0	39.1	47.3	55.2	59.3	64.7	67.2	68.8	70.6	71.9	72.3	72.6	73.0	73.1	73.6
31.5	40.1	49.1	57.5	61.9	67.8	70.6	72.3	74.4	75.9	76.3	76.6	77.0	77.1	77.6
31.9	40.7	50.3	59.2	64.0	70.3	73.2	75.0	77.3	79.0	79.4	79.7	80.2	80.3	80.8
32.0	41.1	51.0	60.3	65.4	72.0	75.5	77.3	80.1	82.0	82.3	82.9	83.4	83.4	83.9
32.1	41.3	51.3	61.2	66.6	73.8	77.6	79.8	82.8	85.0	85.6	86.1	86.7	86.7	87.3
32.1	41.4	51.6	61.6	67.3	75.0	79.3	81.9	85.3	87.8	88.5	89.1	89.9	90.0	90.8
32.1	41.4	51.7	61.7	67.6	75.6	80.3	83.1	87.0	90.1	91.1	92.0	93.2	93.3	94.1
32.1	41.4	51.7	61.7	67.7	75.9	80.8	83.8	87.9	91.3	92.8	94.1	95.9	96.1	97.3
32.1	41.4	51.7	61.7	67.7	75.9	80.8	83.8	88.0	91.6	93.1	94.8	96.8	96.8	99.2
32.1	41.4	51.7	61.7	67.7	75.9	80.8	83.8	88.0	91.6	93.1	94.8	96.6	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 12013

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

12.4	15.0	17.5	20.7	22.4	25.0	26.0	26.8	28.1	28.9	29.1	29.3	29.5	29.5	30.0	
15.5	18.6	21.5	25.3	27.3	30.2	31.4	32.2	33.8	34.6	34.9	35.1	35.3	35.3	35.8	
15.6	18.6	21.6	25.4	27.4	30.3	31.4	32.3	33.9	34.7	34.9	35.2	35.4	35.4	35.9	
15.7	18.7	21.7	25.5	27.6	30.4	31.6	32.5	34.0	34.9	35.1	35.3	35.5	35.5	36.1	
15.9	19.0	22.0	25.8	27.8	30.7	31.9	32.8	34.3	35.1	35.4	35.6	35.8	35.8	36.4	
16.3	19.4	22.5	26.4	28.5	31.4	32.6	33.5	35.0	35.9	36.1	36.3	36.5	36.5	37.1	
16.9	20.2	23.3	27.4	29.5	32.5	33.8	34.7	36.4	37.3	37.5	37.7	37.9	37.9	38.5	
17.5	20.8	24.0	28.3	30.4	33.7	35.0	35.9	37.7	38.7	38.9	39.1	39.4	39.4	40.0	
18.7	22.1	25.6	29.9	32.1	35.5	37.1	38.1	40.0	41.0	41.2	41.5	41.7	41.7	42.3	
19.9	23.5	27.2	31.9	34.4	37.9	39.6	40.7	42.6	43.7	43.9	44.2	44.4	44.5	45.1	
21.1	24.8	28.7	33.6	36.2	39.8	41.5	42.6	44.6	45.7	45.9	46.2	46.4	46.4	47.0	
22.4	26.2	30.3	35.3	38.0	41.7	43.5	44.6	46.6	47.7	48.0	48.3	48.5	48.6	49.2	
23.1	27.0	31.2	36.3	39.1	42.8	44.6	45.8	47.8	48.9	49.2	49.5	49.8	49.8	50.4	
24.2	28.3	32.7	38.0	40.7	44.6	46.5	47.6	49.7	50.8	51.2	51.5	51.8	51.8	52.4	
25.6	29.8	34.5	40.1	43.0	46.9	48.9	50.1	52.2	53.3	53.7	54.0	54.3	54.3	55.0	
27.7	32.3	37.4	43.5	46.5	50.6	52.5	53.8	56.0	57.2	57.6	58.0	58.2	58.3	58.9	
29.4	34.6	40.0	46.6	49.7	54.0	56.0	57.4	59.6	60.9	61.3	61.7	62.0	62.0	62.7	
31.8	37.2	43.3	50.6	53.9	58.3	60.8	62.2	64.5	65.8	66.2	66.6	66.9	66.9	67.5	
32.4	38.3	44.8	52.3	55.8	60.5	62.8	64.3	66.6	67.9	68.3	68.8	69.1	69.1	69.7	
34.0	40.6	47.4	55.3	58.8	63.9	66.4	67.9	70.4	71.8	72.2	72.6	72.9	73.0	73.6	
35.5	42.9	50.5	59.1	62.9	68.3	71.2	72.9	75.6	77.1	77.6	78.0	78.3	78.4	79.0	
36.1	44.0	52.1	61.3	65.3	71.0	74.1	75.9	78.9	80.4	80.9	81.4	81.7	81.8	82.4	
36.3	44.3	52.8	62.3	66.3	72.3	75.5	77.6	80.8	82.4	82.8	83.3	83.7	83.7	84.4	
36.7	45.1	53.9	63.9	68.3	74.6	78.1	80.2	83.5	85.2	85.8	86.3	86.7	86.7	87.4	
36.9	45.3	54.3	64.9	69.4	76.0	79.7	81.8	85.4	87.4	87.9	88.4	88.9	88.9	89.6	
36.9	45.6	54.7	65.3	70.0	76.8	80.6	82.9	86.7	88.8	89.4	90.0	90.5	90.5	91.2	
37.0	45.7	55.0	65.8	70.6	77.7	81.7	84.2	88.2	90.6	91.3	91.9	92.4	92.5	93.2	
37.0	45.8	55.1	66.0	71.0	78.3	82.9	85.5	89.8	92.4	93.2	93.9	94.5	94.5	95.3	
37.0	45.8	55.1	66.1	71.2	78.9	83.5	86.2	90.8	93.7	94.6	95.4	96.1	96.2	97.0	
37.0	45.8	55.1	66.1	71.2	79.0	83.6	86.4	91.0	94.0	95.0	95.9	96.9	97.0	98.1	
37.0	45.8	55.1	66.1	71.2	79.0	83.6	86.4	91.1	94.2	95.2	96.2	97.3	97.4	98.9	
37.0	45.8	55.1	66.1	71.2	79.0	83.6	86.4	91.1	94.2	95.2	96.2	97.3	97.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 10857

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 56-72 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

20.0	23.7	27.3	30.6	31.9	33.2	34.0	34.3	34.8	35.0	35.1	35.1	35.3	35.3	35.5	
24.6	28.9	33.1	36.8	38.3	39.9	40.6	41.0	41.5	41.7	41.8	41.9	42.0	42.1	42.3	
24.6	28.9	33.1	36.8	38.3	39.9	40.7	41.0	41.5	41.8	41.8	41.9	42.1	42.1	42.3	
24.7	29.0	33.2	36.9	38.4	40.0	40.8	41.1	41.6	41.9	41.9	42.0	42.1	42.2	42.4	
25.0	29.3	33.6	37.3	38.8	40.4	41.2	41.6	42.1	42.4	42.4	42.5	42.6	42.7	42.9	
25.4	29.9	34.1	38.0	39.5	41.1	41.9	42.3	42.8	43.1	43.1	43.2	43.4	43.4	43.6	
26.6	31.2	35.5	39.5	41.1	42.7	43.5	43.9	44.4	44.7	44.8	44.9	45.0	45.1	45.3	
27.4	32.0	36.5	40.6	42.2	44.0	44.8	45.2	45.8	46.1	46.2	46.2	46.4	46.4	46.6	
29.0	33.9	38.4	42.6	44.3	46.1	47.0	47.4	48.0	48.3	48.4	48.5	48.6	48.7	48.9	
30.8	36.0	40.7	45.2	47.0	49.1	50.0	50.5	51.1	51.5	51.6	51.6	51.8	51.8	52.1	
32.0	37.4	42.4	47.2	49.1	51.2	52.2	52.7	53.3	53.7	53.8	53.8	54.0	54.0	54.3	
33.6	39.4	44.6	49.6	51.7	53.8	54.9	55.4	56.0	56.4	56.5	56.6	56.8	56.8	57.1	
34.6	40.5	45.9	51.1	53.2	55.6	56.6	57.2	57.8	58.2	58.3	58.4	58.6	58.6	59.0	
36.4	42.6	48.5	53.9	56.1	58.6	59.8	60.4	61.0	61.4	61.5	61.6	61.8	61.9	62.2	
38.3	44.9	51.2	56.8	59.2	61.8	63.0	63.7	64.3	64.7	64.8	64.9	65.1	65.1	65.5	
40.8	48.0	54.8	60.8	63.4	66.1	67.4	68.1	68.8	69.2	69.3	69.4	69.6	69.6	69.9	
43.4	51.1	58.4	65.0	67.8	70.6	72.0	72.7	73.5	73.9	74.0	74.1	74.3	74.3	74.6	
46.1	54.3	62.5	69.5	72.4	75.4	76.9	77.6	78.4	78.9	79.0	79.1	79.3	79.3	79.7	
46.8	55.4	63.7	71.0	74.0	77.1	78.6	79.4	80.2	80.7	80.8	80.9	81.1	81.1	81.4	
48.1	57.3	66.0	73.6	76.9	80.0	81.6	82.4	83.3	83.8	83.9	84.0	84.2	84.2	84.6	
49.4	59.4	68.9	77.0	80.3	84.0	85.7	86.5	87.3	88.0	88.2	88.3	88.5	88.5	88.9	
49.9	60.2	69.9	78.4	82.1	85.8	87.6	88.5	89.3	90.1	90.3	90.4	90.6	90.6	90.9	
50.1	60.5	70.7	79.4	83.2	87.0	88.9	89.9	91.0	91.6	91.7	91.9	92.1	92.1	92.5	
50.3	61.0	71.5	80.6	84.5	88.6	90.6	91.6	92.8	93.4	93.6	93.7	93.9	94.0	94.3	
50.5	61.2	72.0	81.4	85.5	89.8	91.9	92.9	94.2	94.9	95.0	95.2	95.4	95.5	95.8	
50.5	61.4	72.3	81.8	86.0	90.3	92.7	93.7	95.1	95.8	96.0	96.2	96.4	96.4	96.8	
50.5	61.4	72.5	82.1	86.4	91.0	93.3	94.4	95.9	96.7	96.9	97.1	97.4	97.4	97.8	
50.5	61.5	72.5	82.2	86.5	91.2	93.5	94.7	96.3	97.2	97.3	97.5	98.1	98.1	98.4	
50.5	61.5	72.5	82.2	86.5	91.3	93.7	95.0	96.7	97.7	98.1	98.3	98.7	98.8	99.1	
50.5	61.5	72.5	82.2	86.5	91.3	93.8	95.0	96.8	98.0	98.3	98.6	99.1	99.1	99.6	
50.5	61.5	72.5	82.2	86.5	91.3	93.8	95.0	96.8	98.0	98.4	98.6	99.2	99.2	99.8	
50.5	61.5	72.5	82.2	86.5	91.3	93.8	95.0	96.8	98.0	98.4	98.7	99.2	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 12100

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

29.8	31.3	33.2	34.9	35.4	35.9	36.2	36.4	36.5	36.6	36.7	36.7	36.8	36.8	36.9
36.1	38.5	40.9	42.9	43.4	44.1	44.4	44.6	44.8	44.9	45.0	45.0	45.1	45.1	45.3
36.1	38.5	40.9	43.0	43.5	44.1	44.4	44.7	44.8	45.0	45.0	45.1	45.1	45.2	45.3
36.2	38.6	41.0	43.1	43.6	44.2	44.5	44.8	44.9	45.0	45.1	45.1	45.2	45.2	45.4
36.4	38.8	41.2	43.3	43.8	44.4	44.7	45.0	45.1	45.3	45.3	45.4	45.4	45.5	45.6
37.3	39.8	42.3	44.3	44.8	45.5	45.8	46.0	46.2	46.3	46.4	46.4	46.5	46.5	46.7
38.6	41.3	43.9	46.1	46.6	47.3	47.7	47.9	48.1	48.2	48.3	48.3	48.4	48.4	48.6
39.7	42.5	45.1	47.3	47.9	48.6	49.0	49.2	49.4	49.5	49.6	49.6	49.7	49.7	49.9
42.1	45.0	47.9	50.4	51.0	51.8	52.2	52.5	52.6	52.8	52.9	52.9	53.0	53.0	53.2
45.2	48.4	51.5	54.1	54.9	55.7	56.1	56.4	56.6	56.8	56.8	56.9	57.0	57.0	57.2
47.8	51.4	54.7	57.4	58.3	59.2	59.6	59.9	60.1	60.3	60.4	60.4	60.5	60.5	60.8
50.0	53.8	57.4	60.2	61.1	62.1	62.6	62.9	63.1	63.4	63.4	63.5	63.6	63.6	63.8
51.5	55.4	59.2	62.1	63.1	64.1	64.5	64.9	65.1	65.3	65.4	65.4	65.5	65.5	65.8
53.9	58.1	62.0	65.2	66.2	67.3	67.8	68.2	68.4	68.7	68.7	68.8	68.9	68.9	69.2
56.1	60.5	64.6	68.0	69.1	70.3	70.8	71.1	71.4	71.7	71.8	71.8	71.9	71.9	72.2
59.3	64.0	68.7	72.2	73.3	74.8	75.3	75.7	76.0	76.3	76.4	76.5	76.6	76.6	76.9
62.1	67.2	72.1	75.8	77.1	78.5	79.1	79.5	79.8	80.1	80.2	80.3	80.4	80.4	80.7
64.4	69.8	75.1	79.1	80.6	82.0	82.6	83.0	83.4	83.7	83.8	83.8	83.9	83.9	84.2
65.2	70.9	76.5	80.6	82.1	83.6	84.2	84.6	85.0	85.3	85.4	85.4	85.5	85.6	85.9
66.8	72.9	78.9	83.3	84.9	86.5	87.1	87.6	88.0	88.3	88.4	88.4	88.6	88.6	88.9
68.4	73.1	81.6	86.3	88.1	89.9	90.5	91.1	91.4	91.7	91.9	91.9	92.0	92.0	92.4
68.9	76.1	83.0	88.1	90.0	91.9	92.6	93.1	93.4	93.8	93.9	94.0	94.1	94.1	94.4
69.1	76.4	83.5	88.6	90.7	92.8	93.5	94.0	94.4	94.7	94.8	94.9	95.0	95.0	95.3
69.2	76.6	83.8	89.2	91.4	93.6	94.4	95.0	95.4	95.7	95.8	95.9	96.0	96.0	96.4
69.3	76.7	84.1	89.7	92.0	94.4	95.3	95.9	96.3	96.7	96.8	96.8	96.9	97.0	97.3
69.3	76.8	84.2	89.9	92.2	94.8	95.8	96.5	96.9	97.3	97.4	97.5	97.6	97.6	98.0
69.3	76.8	84.3	90.0	92.4	95.2	96.3	97.0	97.6	98.0	98.1	98.2	98.3	98.3	98.7
69.3	76.8	84.3	90.1	92.6	95.4	96.6	97.4	98.0	98.5	98.6	98.7	98.8	98.9	99.2
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.7	98.8	98.9	99.1	99.1	99.6
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.8	99.0	99.0	99.2	99.2	99.7
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.8	99.0	99.0	99.3	99.3	99.8
69.3	76.8	84.3	90.1	92.6	95.5	96.7	97.5	98.2	98.8	99.0	99.1	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 11082

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

32.2	34.2	35.5	36.3	36.7	37.2	37.3	37.4	37.5	37.6	37.6	37.7	37.8	37.8	38.0	
40.8	43.3	44.8	45.8	46.2	46.8	46.9	47.0	47.2	47.3	47.4	47.5	47.5	47.5	47.8	
40.9	43.3	44.8	45.8	46.3	46.8	47.0	47.1	47.2	47.4	47.4	47.5	47.6	47.6	47.9	
41.0	43.4	44.9	45.9	46.3	46.9	47.0	47.1	47.3	47.4	47.5	47.6	47.6	47.6	47.9	
41.1	43.5	45.0	46.0	46.5	47.1	47.2	47.3	47.5	47.6	47.6	47.7	47.8	47.8	48.1	
42.0	44.4	45.9	47.0	47.4	48.0	48.1	48.3	48.4	48.6	48.6	48.7	48.7	48.7	49.0	
43.4	46.0	47.5	48.6	49.1	49.7	49.8	49.9	50.1	50.3	50.3	50.4	50.5	50.5	50.8	
45.3	48.0	49.7	50.8	51.3	51.9	52.0	52.2	52.3	52.5	52.5	52.6	52.7	52.7	53.0	
49.0	52.0	53.9	55.1	55.6	56.3	56.5	56.6	56.7	56.9	57.0	57.1	57.2	57.2	57.5	
53.2	56.6	59.0	60.5	61.0	61.8	62.0	62.1	62.3	62.5	62.6	62.7	62.8	62.8	63.1	
56.2	59.9	62.4	64.1	64.6	65.3	65.6	65.7	65.9	66.1	66.2	66.3	66.4	66.4	66.8	
59.1	63.1	65.9	67.8	68.4	69.2	69.5	69.7	69.9	70.1	70.2	70.3	70.4	70.4	70.8	
60.7	64.9	67.9	69.9	70.8	71.6	71.8	71.8	72.0	72.2	72.3	72.4	72.5	72.5	72.9	
63.3	67.7	70.9	73.1	73.7	74.6	74.9	75.1	75.3	75.6	75.6	75.7	75.8	75.9	76.3	
65.8	70.4	73.8	76.1	76.8	77.7	78.0	78.1	78.4	78.6	78.7	78.8	78.9	78.9	79.3	
69.1	74.0	77.7	80.1	80.9	81.9	82.2	82.4	82.7	82.9	83.0	83.1	83.2	83.2	83.6	
72.0	77.2	81.0	83.6	84.4	85.5	85.8	86.0	86.3	86.5	86.6	86.7	86.8	86.8	87.2	
74.4	80.0	84.0	86.7	87.6	88.7	89.0	89.2	89.5	89.8	89.8	89.9	90.1	90.1	90.5	
75.1	80.8	84.9	87.7	88.8	89.6	90.0	90.2	90.5	90.7	90.8	90.9	91.0	91.0	91.5	
76.1	82.0	86.4	89.3	90.2	91.3	91.7	91.9	92.2	92.5	92.5	92.6	92.8	92.8	93.2	
77.1	83.4	88.4	91.6	92.8	93.8	94.1	94.4	94.7	94.9	95.0	95.1	95.2	95.2	95.7	
77.5	84.1	89.2	92.6	93.6	94.9	95.3	95.5	95.8	96.1	96.2	96.3	96.4	96.4	96.9	
77.6	84.3	89.3	93.1	94.2	95.3	95.9	96.1	96.4	96.7	96.8	96.9	97.0	97.0	97.5	
77.7	84.5	89.5	93.3	94.4	95.7	96.1	96.5	96.7	97.1	97.3	97.4	97.5	97.5	98.1	
77.8	84.6	90.0	93.6	95.0	96.3	96.7	96.9	97.1	97.5	97.8	97.9	98.0	98.1	98.5	
77.8	84.6	90.1	94.1	95.4	96.9	97.3	97.6	98.0	98.2	98.3	98.4	98.5	98.5	99.0	
77.8	84.6	90.1	94.2	95.5	97.1	97.5	97.8	98.3	98.5	98.6	98.7	98.9	98.9	99.3	
77.8	84.6	90.2	94.3	95.6	97.2	97.7	97.9	98.4	98.7	98.8	98.9	99.1	99.1	99.5	
77.8	84.6	90.2	94.3	95.6	97.2	97.7	98.0	98.5	98.8	98.9	99.0	99.2	99.2	99.7	
77.8	84.6	90.2	94.3	95.6	97.2	97.7	98.0	98.5	98.8	99.0	99.1	99.2	99.3	99.9	
77.8	84.6	90.2	94.3	95.6	97.2	97.7	98.0	98.5	98.8	99.0	99.1	99.2	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 11988

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ AU

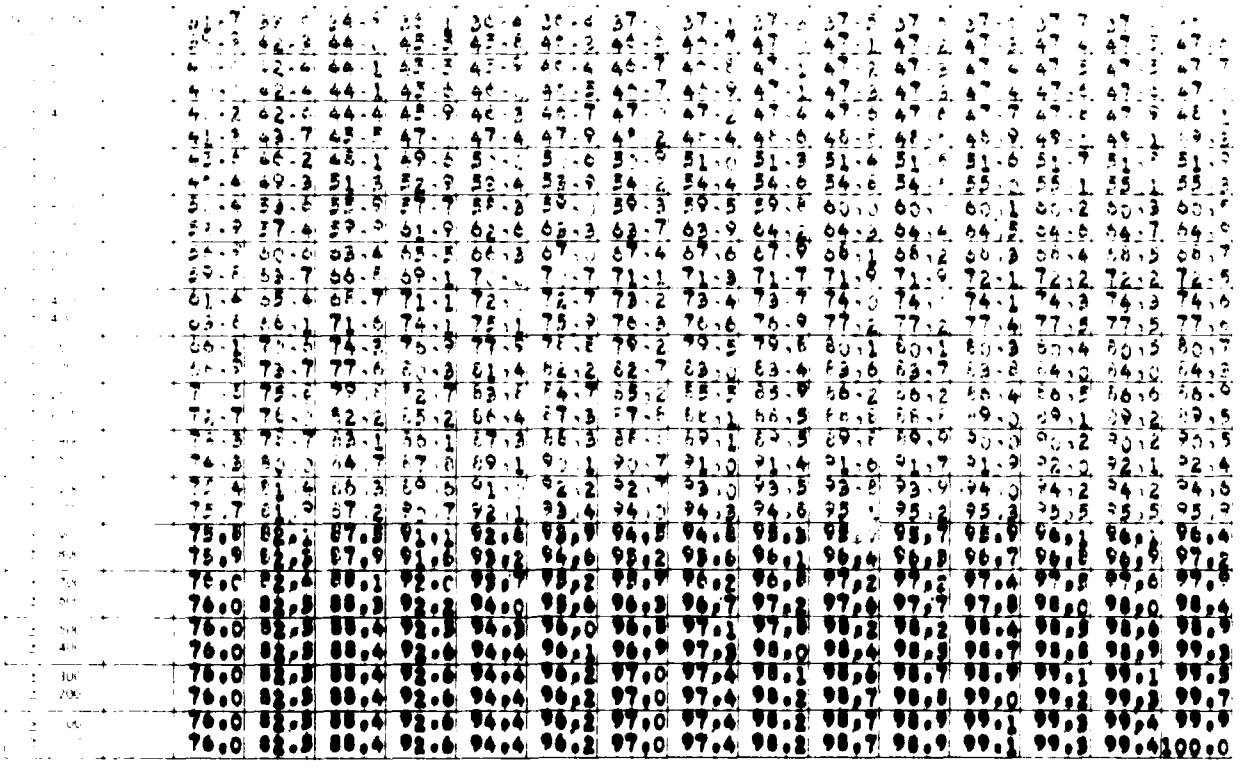
1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 58-72 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL



TOTAL NUMBER OF OBSERVATIONS 11650

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

94056 SEMBACH AB GERMANY 53-72 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

32.8	35.0	36.6	37.9	38.2	38.7	39.0	39.2	39.3	39.4	39.4	39.5	39.6	39.6	39.9
39.6	42.1	44.0	45.5	45.9	46.6	46.9	47.1	47.2	47.3	47.4	47.4	47.5	47.5	47.8
39.6	42.1	44.0	45.8	45.9	46.8	46.9	47.1	47.2	47.3	47.4	47.4	47.5	47.5	47.9
39.7	42.2	44.1	45.8	46.0	46.7	47.0	47.2	47.3	47.4	47.5	47.5	47.6	47.6	47.9
40.2	42.7	44.6	46.0	46.4	47.1	47.5	47.6	47.8	47.9	47.9	48.0	48.0	48.0	48.4
40.9	43.4	45.4	46.9	47.2	48.0	48.3	48.4	48.6	48.7	48.7	48.8	48.9	48.9	49.2
42.8	45.4	47.4	49.0	49.4	50.1	50.4	50.6	50.8	50.9	50.9	51.0	51.0	51.0	51.4
45.1	47.9	50.0	51.6	52.0	52.8	53.1	53.3	53.5	53.6	53.6	53.7	53.7	53.8	54.1
49.6	52.7	55.0	56.7	57.1	58.0	58.4	58.5	58.7	58.8	58.9	58.9	59.0	59.0	59.4
54.0	57.4	60.0	61.9	62.4	63.3	63.7	63.9	64.1	64.2	64.3	64.3	64.4	64.4	64.8
57.1	60.8	63.6	65.7	66.3	67.2	67.7	67.8	68.0	68.2	68.2	68.3	68.4	68.4	68.8
60.5	64.5	67.5	69.8	70.4	71.4	71.8	72.0	72.2	72.4	72.5	72.5	72.6	72.6	73.0
61.9	66.1	69.2	71.6	72.2	73.2	73.7	73.9	74.1	74.3	74.3	74.4	74.5	74.5	74.9
64.2	68.6	71.9	74.3	75.0	76.1	76.6	76.8	77.0	77.2	77.2	77.3	77.4	77.4	77.8
66.5	71.1	74.6	77.2	77.9	79.0	79.5	79.7	80.0	80.2	80.3	80.3	80.4	80.4	80.8
69.8	74.4	78.1	80.7	81.5	82.6	83.1	83.4	83.7	83.9	83.9	84.0	84.1	84.1	84.5
72.2	77.4	81.4	84.1	84.9	86.1	86.7	86.9	87.2	87.3	87.3	87.4	87.7	87.7	88.1
74.3	79.7	83.7	86.5	87.3	88.7	89.3	89.5	89.9	90.1	90.1	90.2	90.3	90.3	90.7
74.9	80.3	84.5	87.3	88.2	89.5	90.1	90.4	90.7	90.9	91.0	91.1	91.2	91.2	91.6
75.8	81.6	85.9	88.8	89.7	91.1	91.8	92.0	92.4	92.6	92.7	92.7	92.9	92.9	93.3
76.9	83.0	87.5	90.5	91.5	93.0	93.6	93.9	94.3	94.5	94.6	94.7	94.8	94.8	95.2
77.3	83.6	88.2	91.4	92.5	94.0	94.7	95.0	95.4	95.6	95.7	95.7	95.9	95.9	96.3
77.5	83.9	88.7	92.0	93.0	94.6	95.3	95.6	96.0	96.3	96.3	96.4	96.5	96.5	96.9
77.7	84.2	89.1	92.4	93.6	95.2	95.9	96.3	96.7	96.9	97.0	97.0	97.2	97.2	97.6
77.7	84.3	89.2	92.7	93.9	95.5	96.3	96.7	97.1	97.3	97.4	97.5	97.6	97.6	98.0
77.8	84.4	89.4	93.0	94.2	96.0	96.8	97.2	97.6	97.9	97.9	98.0	98.1	98.1	98.6
77.8	84.4	89.4	93.1	94.4	96.2	97.1	97.5	98.0	98.3	98.3	98.4	98.5	98.5	98.9
77.8	84.4	89.4	93.1	94.4	96.3	97.3	97.7	98.2	98.5	98.6	98.7	98.8	98.8	99.2
77.8	84.4	89.4	93.1	94.5	96.4	97.4	97.9	98.4	98.7	98.8	98.9	99.1	99.1	99.5
77.8	84.4	89.4	93.1	94.5	96.4	97.4	97.9	98.5	98.8	98.9	99.1	99.2	99.2	99.7
77.8	84.4	89.4	93.1	94.5	96.4	97.4	97.9	98.5	98.8	98.9	99.1	99.3	99.3	99.9
77.8	84.4	89.5	93.1	94.5	96.4	97.4	97.9	98.5	98.9	98.9	99.1	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 12917

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 53-72 ALG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

30.4	32.8	34.8	35.9	36.3	36.9	37.2	37.4	37.8	38.0	38.1	38.2	38.3	38.4	38.9	
37.9	41.0	43.1	44.3	44.8	45.5	45.9	46.1	46.3	46.8	46.9	47.0	47.1	47.2	47.8	
38.0	41.1	43.2	44.4	44.8	45.6	46.0	46.2	46.6	46.9	46.9	47.0	47.2	47.3	47.9	
38.1	41.2	43.4	44.6	45.0	45.7	46.2	46.4	46.7	47.0	47.1	47.2	47.4	47.5	48.0	
38.5	41.7	43.8	45.1	45.5	46.2	46.6	46.9	47.2	47.5	47.6	47.7	47.9	47.9	48.5	
39.8	43.1	45.2	46.5	46.9	47.6	48.1	48.3	48.7	49.0	49.0	49.1	49.3	49.4	50.0	
42.0	45.3	47.6	48.9	49.3	50.1	50.6	50.8	51.2	51.5	51.6	51.7	51.9	52.0	52.5	
44.9	48.4	50.8	52.3	52.8	53.6	54.1	54.4	54.8	55.1	55.2	55.3	55.5	55.5	56.1	
48.9	53.0	55.5	57.3	57.8	58.7	59.2	59.5	59.9	60.3	60.4	60.5	60.7	60.7	61.4	
52.9	57.0	59.9	61.8	62.3	63.2	63.8	64.1	64.5	64.9	65.0	65.1	65.3	65.4	66.1	
55.9	60.3	63.3	65.3	65.8	66.8	67.5	67.8	68.2	68.6	68.7	68.8	69.0	69.1	69.8	
58.2	62.8	66.0	68.1	68.7	69.7	70.4	70.7	71.2	71.6	71.7	71.8	72.0	72.1	72.8	
59.4	64.1	67.3	69.6	70.2	71.2	72.0	72.3	72.7	73.2	73.3	73.4	73.6	73.7	74.4	
61.5	66.3	69.9	72.2	72.9	74.0	74.7	75.1	75.5	75.9	76.0	76.2	76.4	76.5	77.1	
63.3	68.4	72.0	74.4	75.1	76.2	77.0	77.3	77.8	78.2	78.3	78.4	78.7	78.7	79.4	
65.7	71.1	74.8	77.3	78.1	79.3	80.0	80.3	80.8	81.3	81.4	81.5	81.7	81.8	82.5	
67.8	73.4	77.4	80.0	80.8	82.1	82.9	83.3	83.7	84.2	84.3	84.4	84.7	84.7	85.4	
69.8	75.7	79.9	82.5	83.4	84.7	85.5	85.9	86.4	86.9	87.0	87.1	87.3	87.4	88.1	
70.6	76.6	80.8	83.6	84.5	85.8	86.7	87.0	87.5	88.0	88.1	88.2	88.5	88.5	89.2	
71.7	77.9	82.4	85.3	86.2	87.6	88.5	88.8	89.3	89.8	89.9	90.1	90.3	90.4	91.0	
72.9	79.5	84.4	87.6	88.6	90.1	91.0	91.4	91.9	92.4	92.5	92.6	92.9	92.9	93.6	
73.4	80.2	85.5	88.9	89.9	91.5	92.5	92.9	93.4	93.9	94.1	94.2	94.4	94.5	95.2	
73.6	80.6	86.0	89.5	90.6	92.3	93.3	93.7	94.2	94.7	94.8	95.0	95.2	95.3	95.9	
73.8	81.0	86.7	90.3	91.5	93.2	94.3	94.7	95.3	95.8	95.9	96.0	96.3	96.3	97.0	
74.0	81.3	87.1	90.8	92.1	93.9	95.0	95.5	96.1	96.6	96.7	96.9	97.1	97.2	97.8	
74.1	81.4	87.4	91.2	92.5	94.3	95.5	96.0	96.6	97.2	97.3	97.4	97.7	97.7	98.4	
74.1	81.5	87.5	91.4	92.8	94.7	96.0	96.4	97.1	97.6	97.8	97.9	98.2	98.2	98.9	
74.1	81.6	87.6	91.6	92.9	94.9	96.2	96.6	97.3	97.9	98.0	98.2	98.4	98.5	99.2	
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.1	98.2	98.4	98.7	98.7	99.4	
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.2	98.3	98.5	98.8	98.9	99.7	
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.2	98.3	98.5	98.9	99.0	99.9	
74.1	81.6	87.7	91.6	93.0	94.9	96.3	96.8	97.5	98.2	98.3	98.5	98.9	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 13209

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

29.9	33.4	36.5	38.9	40.0	41.8	42.3	42.7	43.4	43.9	44.8	44.3	44.7	44.7	46.0	
34.8	39.0	42.6	45.5	46.8	48.5	49.5	49.9	50.6	51.2	51.3	51.6	52.0	52.0	53.4	
34.9	39.1	42.6	45.6	46.9	48.6	49.5	50.0	50.7	51.2	51.4	51.7	52.1	52.1	53.5	
35.0	39.2	42.7	45.7	47.0	48.7	49.6	50.1	50.8	51.3	51.5	51.8	52.2	52.2	53.6	
35.4	39.6	43.2	46.2	47.5	49.2	50.2	50.6	51.3	51.9	52.0	52.3	52.7	52.8	54.1	
36.2	40.5	44.2	47.2	48.5	50.3	51.3	51.7	52.4	53.0	53.1	53.4	53.8	53.9	55.2	
37.5	42.0	45.7	48.7	50.0	51.9	52.9	53.4	54.1	54.7	54.8	55.1	55.5	55.6	57.0	
39.1	43.8	47.8	51.0	52.4	54.3	55.4	55.9	56.7	57.3	57.4	57.7	58.2	58.2	59.6	
41.6	46.5	50.7	54.2	55.7	57.8	58.9	59.4	60.3	60.9	61.0	61.3	61.8	61.8	63.2	
44.4	49.6	54.1	57.7	59.3	61.5	62.6	63.1	64.1	64.7	64.9	65.2	65.7	65.7	67.1	
46.3	51.8	56.6	60.3	62.0	64.2	65.4	65.9	66.9	67.5	67.7	68.0	68.5	68.6	70.0	
48.0	53.7	58.7	62.6	64.4	66.7	67.9	68.4	69.4	70.1	70.3	70.7	71.2	71.2	72.7	
49.0	54.8	60.0	64.0	65.8	68.1	69.3	69.8	70.8	71.5	71.7	72.1	72.6	72.6	74.1	
50.2	56.3	61.6	65.8	67.6	70.0	71.1	71.7	72.8	73.5	73.7	74.0	74.5	74.6	76.0	
51.7	58.0	63.4	67.8	69.6	72.0	73.2	73.8	74.9	75.6	75.8	76.1	76.6	76.7	78.1	
53.6	60.1	65.6	70.2	72.1	74.5	75.7	76.3	77.4	78.1	78.3	78.6	79.1	79.2	80.6	
55.6	62.3	68.0	72.8	74.7	77.2	78.4	79.0	80.0	80.8	81.0	81.3	81.8	81.9	83.3	
57.6	64.6	70.7	75.5	77.4	80.1	81.3	81.9	83.0	83.7	83.9	84.2	84.8	84.8	86.3	
58.2	65.5	71.5	76.5	78.4	81.1	82.4	83.0	84.1	84.8	85.0	85.3	85.8	85.9	87.4	
59.7	66.9	73.4	78.7	80.7	83.3	84.6	85.3	86.4	87.1	87.3	87.6	88.2	88.2	89.7	
60.9	68.5	75.4	81.1	83.3	86.2	87.5	88.1	89.2	90.0	90.2	90.5	91.1	91.1	92.6	
61.5	69.3	76.5	82.4	84.7	87.7	89.0	89.7	90.9	91.6	91.8	92.1	92.7	92.8	94.2	
61.8	69.7	77.1	83.0	85.4	88.4	89.8	90.5	91.7	92.4	92.6	93.0	93.5	93.6	95.1	
61.9	70.0	77.6	83.7	86.1	89.2	90.6	91.3	92.6	93.3	93.5	93.9	94.4	94.5	96.0	
62.1	70.2	77.9	84.0	86.6	89.8	91.3	92.0	93.3	94.0	94.2	94.6	95.2	95.2	96.7	
62.1	70.3	78.0	84.3	87.0	90.3	91.7	92.5	93.8	94.5	94.7	95.1	95.7	95.7	97.2	
62.2	70.3	78.1	84.5	87.3	90.6	92.2	93.0	94.3	95.1	95.3	95.6	96.2	96.3	97.8	
62.2	70.3	78.1	84.5	87.3	90.8	92.4	93.2	94.6	95.4	95.7	96.0	96.6	96.7	98.2	
62.2	70.3	78.1	84.6	87.4	90.9	92.6	93.4	94.9	95.8	96.0	96.4	97.1	97.1	98.7	
62.2	70.3	78.1	84.6	87.4	91.0	92.6	93.5	95.0	96.0	96.2	96.7	97.4	97.5	99.3	
62.2	70.3	78.1	84.6	87.4	91.0	92.7	93.5	95.1	96.0	96.3	96.8	97.5	97.6	99.6	
62.2	70.3	78.1	84.6	87.4	91.0	92.7	93.5	95.1	96.0	96.3	96.8	97.5	97.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 12442

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

17.5	20.9	24.7	28.4	30.2	32.1	33.2	33.8	34.9	35.5	35.7	36.0	36.6	36.7	39.1
21.0	24.7	29.1	33.1	35.0	37.2	38.3	39.0	40.2	40.9	41.1	41.4	42.1	42.1	44.7
21.0	24.7	29.1	33.2	35.1	37.2	38.3	39.1	40.2	40.9	41.1	41.4	42.1	42.2	44.7
21.0	24.7	29.1	33.2	35.1	37.2	38.4	39.1	40.2	40.9	41.1	41.4	42.1	42.2	44.7
21.2	25.0	29.4	33.5	35.4	37.5	38.7	39.4	40.5	41.2	41.4	41.7	42.4	42.5	45.0
21.7	25.4	30.0	34.1	36.0	38.3	39.5	40.2	41.3	42.1	42.3	42.6	43.3	43.4	45.9
22.5	26.4	31.1	35.4	37.4	39.7	41.0	41.7	42.9	43.6	43.8	44.1	44.9	44.9	47.5
23.3	27.3	32.2	36.7	38.8	41.2	42.5	43.2	44.4	45.2	45.4	45.7	46.4	46.5	49.1
24.6	28.8	34.0	38.6	40.8	43.3	44.6	45.4	46.6	47.3	47.5	47.9	48.6	48.7	51.3
26.9	31.4	36.9	41.7	44.0	46.6	47.9	48.7	49.9	50.7	50.9	51.3	52.1	52.1	54.8
28.3	33.0	38.8	43.7	46.1	48.7	50.1	50.9	52.1	52.9	53.2	53.5	54.3	54.3	57.0
29.6	34.6	40.5	45.6	48.0	50.9	52.3	53.1	54.4	55.3	55.5	55.8	56.6	56.7	59.4
30.5	35.6	41.7	46.9	49.4	52.4	53.9	54.8	56.1	56.9	57.2	57.5	58.3	58.4	61.1
31.9	37.4	43.7	49.1	51.6	54.7	56.2	57.2	58.5	59.4	59.6	59.9	60.7	60.8	63.5
33.2	39.0	45.4	51.0	53.6	56.9	58.5	59.4	60.8	61.8	62.0	62.4	63.2	63.2	66.0
35.0	41.1	47.9	53.7	56.4	59.9	61.6	62.8	63.9	65.0	65.2	65.6	66.4	66.5	69.2
36.8	43.2	50.3	56.2	59.1	62.8	64.5	65.5	67.0	68.1	68.3	68.7	69.5	69.6	72.4
38.5	45.5	53.0	59.0	62.1	66.0	67.8	68.8	70.3	71.5	71.7	72.1	73.0	73.0	75.8
39.8	46.4	54.0	60.2	63.4	67.4	69.1	70.2	71.7	72.9	73.2	73.6	74.4	74.5	77.3
40.3	47.9	55.9	62.5	65.9	70.1	72.0	73.1	74.6	75.9	76.1	76.5	77.4	77.5	80.3
41.4	49.5	58.1	65.3	69.0	73.4	75.4	76.5	78.2	79.5	79.7	80.2	81.0	81.1	83.9
42.0	50.3	59.4	66.9	70.7	75.4	77.5	78.7	80.4	81.8	82.0	82.4	83.3	83.4	86.2
42.2	50.7	60.0	67.7	71.6	76.4	78.6	79.8	81.5	82.9	83.1	83.6	84.4	84.5	87.3
42.4	51.0	60.7	68.7	72.8	77.9	80.1	81.3	83.1	84.5	84.8	85.2	86.1	86.2	89.0
42.5	51.3	61.2	69.5	73.8	79.0	81.3	82.6	84.4	85.8	86.1	86.6	87.4	87.5	90.3
42.6	51.5	61.5	69.9	74.5	79.9	82.3	83.6	85.5	87.1	87.3	87.8	88.7	88.8	91.6
42.7	51.5	61.8	70.3	74.9	80.5	83.1	84.6	86.7	88.2	88.5	89.0	89.9	90.0	92.9
42.7	51.6	61.8	70.4	75.0	80.8	83.5	85.0	87.3	89.0	89.3	89.9	90.8	90.9	93.9
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.4	87.8	89.6	90.0	90.7	91.7	91.9	95.2
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.5	87.9	90.0	90.5	91.3	92.6	92.7	97.1
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.5	88.0	90.0	90.6	91.4	92.8	93.0	98.6
42.7	51.6	61.9	70.5	75.1	81.0	83.8	85.5	88.0	90.0	90.6	91.4	92.8	93.0	100.0

TOTAL NUMBER OF OBSERVATIONS 12513

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 ACV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

9.4	11.1	13.3	15.2	16.2	17.3	18.1	18.3	18.8	19.1	19.1	19.2	19.6	19.6	21.1	
11.8	13.9	16.4	18.7	20.0	21.4	22.2	22.5	23.1	23.4	23.5	23.6	24.0	24.0	25.5	
11.8	13.9	16.4	18.7	20.1	21.5	22.2	22.5	23.1	23.4	23.5	23.6	24.0	24.1	25.5	
11.9	13.9	16.5	18.8	20.1	21.5	22.3	22.6	23.2	23.5	23.6	23.7	24.1	24.1	25.6	
11.9	14.1	16.6	18.9	20.3	21.7	22.5	22.8	23.4	23.7	23.8	23.9	24.3	24.3	25.8	
12.4	14.6	17.2	19.6	20.9	22.4	23.2	23.5	24.1	24.4	24.5	24.6	25.0	25.0	26.5	
13.0	15.2	17.8	20.2	21.6	23.1	23.9	24.3	25.0	25.3	25.4	25.5	25.9	26.0	27.5	
13.7	15.9	18.6	21.0	22.5	24.1	25.0	25.3	26.0	26.4	26.5	26.6	27.0	27.1	28.6	
15.0	17.4	20.4	23.1	24.6	26.4	27.3	27.8	28.5	29.0	29.1	29.2	29.6	29.7	31.2	
16.5	19.1	22.2	25.2	26.9	28.8	29.8	30.3	31.0	31.6	31.7	31.8	32.2	32.3	33.8	
17.4	20.2	23.4	26.5	28.3	30.3	31.4	31.9	32.8	33.4	33.5	33.7	34.1	34.2	35.7	
18.7	21.6	25.1	28.4	30.3	32.7	33.8	34.4	35.4	36.1	36.2	36.4	36.9	36.9	38.5	
19.8	22.8	26.0	29.5	31.6	34.1	35.2	35.9	36.9	37.6	37.7	37.9	38.4	38.4	40.1	
20.4	23.6	27.5	31.1	33.4	36.2	37.4	38.1	39.1	39.9	40.1	40.2	40.8	40.8	42.5	
21.6	25.0	29.1	33.0	35.5	38.4	39.8	40.5	41.6	42.4	42.5	42.7	43.3	43.3	45.0	
23.0	26.8	31.3	35.8	38.2	41.3	42.8	43.5	44.7	45.6	45.8	46.0	46.6	46.6	48.4	
25.0	29.2	34.2	38.8	41.8	45.1	46.8	47.5	48.8	49.8	50.0	50.2	50.8	50.9	52.6	
27.1	32.1	37.8	42.9	46.2	49.9	51.7	52.6	53.9	55.0	55.2	55.4	56.1	56.1	57.9	
27.8	33.1	39.3	44.7	48.2	52.0	53.8	54.7	56.1	57.1	57.4	57.6	58.2	58.3	60.0	
29.2	35.1	42.3	48.3	52.0	56.1	58.1	59.0	60.5	61.6	61.9	62.1	62.8	62.8	64.6	
30.7	37.5	45.9	52.8	57.1	61.8	64.0	64.9	66.6	67.8	68.1	68.3	69.0	69.1	70.8	
31.3	38.6	47.6	55.1	59.7	64.8	67.2	68.3	70.0	71.3	71.6	71.9	72.5	72.6	74.4	
31.5	39.0	48.4	56.3	61.2	66.6	69.2	70.3	72.1	73.4	73.7	74.0	74.7	74.8	76.6	
31.7	39.4	49.2	57.8	63.2	69.1	72.0	73.2	75.1	76.4	76.8	77.1	77.8	77.8	79.6	
31.9	39.8	49.9	58.8	64.6	71.1	74.2	75.4	77.4	78.9	79.3	79.6	80.2	80.3	82.2	
32.0	40.1	50.3	59.7	65.9	72.8	76.2	77.5	79.7	81.2	81.7	82.0	82.7	82.8	84.6	
32.0	40.2	50.7	60.4	67.0	74.6	78.3	79.9	82.2	84.0	84.6	84.9	85.7	85.8	87.7	
32.0	40.2	50.8	60.6	67.6	75.7	79.9	81.7	84.4	86.4	87.0	87.5	88.4	88.5	90.6	
32.0	40.2	50.8	60.8	68.0	76.5	81.0	82.9	86.1	88.7	89.4	90.0	91.1	91.2	93.6	
32.0	40.2	50.8	60.8	68.1	76.7	81.4	83.4	86.7	89.6	90.5	91.4	92.9	93.0	96.4	
32.1	40.2	50.9	60.8	68.1	76.7	81.5	83.5	87.0	89.9	90.9	91.8	93.6	93.8	98.6	
32.1	40.2	50.9	60.8	68.1	76.7	81.5	83.5	87.0	90.0	91.0	91.9	93.8	94.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 11025

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS ALL

6.9	8.8	11.1	13.3	14.6	16.0	17.0	17.5	18.0	18.6	18.7	18.9	19.3	19.4	20.0
8.1	10.1	12.8	15.2	16.6	18.2	19.3	19.9	20.4	21.0	21.3	21.5	21.9	21.9	22.7
8.1	10.1	12.8	15.3	16.6	18.2	19.3	20.0	20.5	21.1	21.3	21.5	21.9	22.0	22.7
8.2	10.2	12.9	15.3	16.7	18.3	19.4	20.0	20.5	21.2	21.4	21.6	22.0	22.1	22.8
8.3	10.3	13.0	15.4	16.8	18.4	19.5	20.2	20.7	21.3	21.6	21.8	22.2	22.2	23.0
8.4	10.5	13.2	15.7	17.2	18.8	19.9	20.6	21.1	21.8	22.0	22.2	22.6	22.6	23.4
8.7	10.8	13.6	16.2	17.8	19.5	20.7	21.4	21.9	22.6	22.8	23.0	23.4	23.4	24.2
9.0	11.2	14.1	16.9	18.5	20.3	21.5	22.2	22.8	23.5	23.7	23.9	24.4	24.4	25.2
9.7	12.1	15.1	17.8	19.5	21.4	22.7	23.4	24.0	24.7	24.9	25.1	25.6	25.6	26.4
10.6	13.0	16.2	19.0	20.8	22.8	24.1	24.8	25.5	26.2	26.5	26.7	27.2	27.3	28.1
11.6	14.1	17.4	20.4	22.1	24.2	25.5	26.3	26.9	27.7	28.0	28.2	28.7	28.8	29.6
12.7	15.4	18.7	22.0	23.9	26.0	27.3	28.1	28.8	29.6	29.9	30.1	30.6	30.7	31.5
13.8	16.0	19.5	22.9	24.8	26.9	28.3	29.1	29.9	30.7	30.9	31.2	31.7	31.8	32.7
14.4	17.3	21.1	24.6	26.5	28.8	30.2	31.1	31.8	32.6	32.9	33.2	33.7	33.8	34.7
15.4	18.6	22.5	26.1	28.2	30.6	32.1	32.9	33.7	34.6	34.9	35.2	35.7	35.8	36.7
16.9	20.4	24.5	28.5	30.8	33.0	34.6	35.5	36.4	37.3	37.6	37.9	38.4	38.5	39.4
19.2	23.0	27.4	31.6	33.8	36.5	38.2	39.2	40.1	41.0	41.3	41.6	42.2	42.2	43.1
21.7	26.0	31.1	35.7	38.1	41.0	42.8	43.8	44.8	45.7	46.1	46.4	46.9	47.0	47.9
22.8	27.2	32.6	37.3	39.9	42.9	44.8	45.8	46.8	47.8	48.1	48.4	49.0	49.1	50.0
24.3	29.4	35.4	40.6	43.4	46.8	48.8	49.8	50.9	51.9	52.3	52.6	53.2	53.3	54.2
26.5	32.8	40.0	45.8	49.2	52.9	55.1	56.3	57.5	58.6	59.0	59.4	60.0	60.1	61.0
27.5	34.8	42.8	49.2	53.0	57.1	59.5	60.8	62.2	63.4	63.9	64.2	64.9	64.9	65.9
27.9	35.6	44.1	51.2	55.2	59.7	62.2	63.6	65.1	66.4	66.9	67.2	67.9	68.0	68.9
28.5	36.7	46.1	53.8	58.4	63.5	66.2	67.8	69.4	70.8	71.3	71.7	72.3	72.4	73.4
28.8	37.6	47.5	56.2	61.2	67.0	70.0	71.7	73.6	75.2	75.8	76.2	76.9	76.9	77.9
28.9	38.0	48.3	57.5	63.0	69.3	72.5	74.5	76.6	78.4	79.1	79.6	80.3	80.4	81.4
29.0	38.1	48.8	58.6	64.4	71.4	75.1	77.2	79.7	81.8	82.5	83.1	83.9	84.0	85.2
29.0	38.2	48.9	59.0	65.2	72.8	77.0	79.4	82.3	84.6	85.4	86.1	87.0	87.1	88.5
29.0	38.2	49.0	59.2	65.6	73.7	78.3	81.0	84.3	87.1	88.1	89.1	90.1	90.3	91.8
29.0	38.2	49.0	59.2	65.6	73.9	78.7	81.5	85.2	88.4	89.8	91.0	92.6	93.0	95.5
29.0	38.2	49.0	59.2	65.7	73.9	78.7	81.6	85.3	88.8	90.3	91.7	93.9	94.3	96.5
29.1	38.2	49.1	59.2	65.7	73.9	78.7	81.6	85.4	88.9	90.4	91.8	94.2	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 12156

USAF ETAC [illegible] 0-34-5 OLA PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-68 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-0200

12.5	15.2	17.5	21.4	22.9	25.8	26.4	26.6	27.4	28.4	28.4	28.5	28.9	29.0	29.7
14.3	17.1	19.6	23.6	25.3	28.4	29.1	29.3	30.1	31.1	31.1	31.3	31.6	31.8	32.4
14.3	17.1	19.6	23.6	25.3	28.4	29.1	29.3	30.1	31.1	31.1	31.3	31.6	31.8	32.4
14.3	17.1	19.6	23.6	25.3	28.4	29.1	29.3	30.1	31.1	31.1	31.3	31.6	31.8	32.4
14.3	17.1	19.7	23.7	25.4	28.5	29.2	29.4	30.3	31.3	31.3	31.4	31.8	31.9	32.5
14.6	17.3	20.0	23.9	25.7	28.7	29.5	29.7	30.5	31.5	31.5	31.8	32.1	32.3	32.9
14.8	17.7	20.4	24.4	26.1	29.2	30.0	30.2	31.0	32.0	32.0	32.3	32.6	32.8	33.4
15.6	18.7	21.4	25.5	27.2	30.3	31.1	31.4	32.3	33.3	33.3	33.5	33.8	34.0	34.6
16.6	19.9	22.6	27.0	29.0	32.1	32.9	33.2	34.1	35.1	35.1	35.3	35.6	35.8	36.4
17.5	20.9	24.1	28.7	30.8	34.0	34.8	35.1	36.1	37.1	37.1	37.3	37.6	37.8	38.4
18.4	21.9	25.7	29.7	31.9	35.1	36.0	36.3	37.2	38.2	38.2	38.4	38.8	38.9	39.6
19.8	23.1	26.7	31.3	33.4	36.8	37.8	38.3	39.2	40.3	40.3	40.5	40.9	41.0	41.6
19.9	23.3	27.2	31.8	34.1	37.5	38.5	38.9	39.9	40.9	40.9	41.1	41.5	41.6	42.3
20.1	23.9	27.6	32.5	34.9	38.4	39.4	39.9	40.9	42.0	42.0	42.2	42.6	42.7	43.4
21.3	25.3	29.2	34.3	36.6	40.4	41.4	41.9	42.9	44.0	44.0	44.2	44.6	44.7	45.4
22.8	26.9	31.4	36.7	39.4	43.4	44.6	45.1	46.1	47.2	47.2	47.5	47.9	48.0	48.7
24.2	28.5	33.3	39.0	41.9	45.9	47.2	47.7	48.7	49.7	49.7	50.0	50.5	50.8	51.3
26.1	30.7	36.3	42.5	45.9	50.4	51.8	52.3	53.3	54.3	54.3	54.6	55.1	55.2	55.8
27.2	32.2	37.8	44.2	47.6	52.2	53.5	54.1	55.1	56.1	56.1	56.4	56.8	57.0	57.6
28.7	34.1	40.1	47.0	50.8	55.5	56.9	57.4	58.4	59.6	59.6	59.9	60.4	60.5	61.1
30.5	36.5	43.5	50.9	54.8	60.2	61.7	62.3	63.3	64.6	64.7	65.0	65.5	65.7	66.3
31.0	37.7	45.6	53.8	57.8	63.8	65.7	66.3	67.3	68.7	68.7	69.1	69.6	69.7	70.4
31.8	38.6	47.7	56.8	61.0	67.2	69.1	69.7	70.8	72.3	72.3	72.7	73.2	73.3	74.0
32.1	39.4	49.7	59.9	64.4	71.0	73.0	73.8	75.1	76.6	76.6	77.0	77.5	77.6	78.3
32.4	39.9	51.2	61.6	66.3	73.3	76.0	76.7	78.0	79.6	79.6	80.0	80.5	80.6	81.3
32.5	40.1	51.8	62.5	67.7	75.4	78.3	79.0	80.4	82.3	82.4	82.9	83.4	83.5	84.2
32.7	40.4	52.5	63.7	69.2	77.4	80.7	81.4	82.9	84.9	85.2	85.7	86.2	86.3	87.1
32.7	40.6	52.8	64.3	70.6	79.5	83.1	84.2	86.0	88.5	88.7	89.4	89.9	90.1	90.8
32.7	40.6	52.8	64.4	70.8	80.1	84.3	85.7	88.2	91.3	91.7	92.8	93.7	93.9	94.6
32.7	40.6	52.8	64.4	70.8	80.1	84.4	85.9	89.1	92.4	92.9	94.2	95.7	95.9	97.6
32.7	40.6	52.8	64.4	70.8	80.1	84.4	86.0	89.2	92.5	93.1	94.5	96.1	96.3	99.1
32.7	40.6	52.8	64.4	70.8	80.1	84.4	86.0	89.2	92.5	93.1	94.6	96.2	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

12.3	14.9	17.3	19.9	21.9	24.3	25.4	25.6	26.9	27.3	27.3	27.5	27.7	27.8	28.4	
13.4	16.2	18.6	21.2	23.3	25.8	26.9	27.2	28.5	28.9	28.9	29.1	29.3	29.3	30.0	
13.4	16.2	18.6	21.2	23.3	25.8	26.9	27.2	28.5	28.9	28.9	29.1	29.3	29.3	30.0	
13.4	16.2	18.7	21.3	23.4	25.9	26.9	27.3	28.6	29.0	29.0	29.1	29.3	29.4	30.0	
13.4	16.2	18.8	21.5	23.5	26.0	27.1	27.4	28.9	29.3	29.3	29.4	29.6	29.7	30.3	
13.8	16.6	19.1	21.8	23.9	26.4	27.4	27.8	29.2	29.6	29.6	29.7	30.0	30.0	30.6	
14.0	16.8	19.4	22.1	24.2	26.9	28.0	28.4	29.8	30.2	30.2	30.4	30.6	30.6	31.3	
14.7	17.7	20.3	23.0	25.1	27.8	28.9	29.3	30.8	31.2	31.2	31.3	31.5	31.6	32.2	
15.6	18.7	21.5	24.4	26.5	29.6	30.7	31.0	32.6	33.1	33.1	33.2	33.4	33.5	34.1	
16.4	19.7	22.8	25.9	28.2	31.3	32.4	32.8	34.3	34.8	34.8	34.9	35.0	35.2	35.8	
17.7	21.0	24.3	27.5	29.9	33.0	34.1	34.5	36.0	36.5	36.5	36.7	36.9	36.9	37.6	
18.1	21.6	25.1	28.4	30.9	34.3	35.8	36.2	37.7	38.2	38.2	38.4	38.6	38.7	39.3	
18.4	21.9	25.4	28.8	31.3	34.9	36.2	36.6	38.1	38.7	38.7	38.8	39.0	39.1	39.7	
19.5	23.0	26.5	29.9	32.6	36.2	37.5	37.9	39.4	40.0	40.0	40.1	40.3	40.4	41.0	
20.7	24.3	28.7	32.2	35.0	38.7	40.0	40.4	41.9	42.4	42.4	42.6	42.8	42.8	43.5	
21.8	25.9	30.5	34.2	37.1	40.9	42.3	42.7	44.2	44.8	44.8	44.9	45.1	45.2	45.8	
23.6	27.9	32.6	36.6	39.5	43.5	45.0	45.4	46.9	47.5	47.5	47.6	47.8	48.0	48.6	
26.3	31.5	36.7	40.9	44.0	48.4	49.8	50.3	51.9	52.4	52.4	52.6	53.0	53.1	53.7	
27.4	32.7	38.2	42.6	45.8	50.4	51.8	52.3	53.9	54.4	54.4	54.6	55.0	55.0	55.7	
29.2	34.9	40.7	45.6	48.9	53.9	55.5	56.1	57.7	58.3	58.3	58.4	58.8	58.9	59.5	
30.6	36.9	43.7	49.5	53.1	58.7	60.4	61.0	62.7	63.3	63.3	63.5	63.9	64.0	64.6	
31.3	38.0	45.6	52.1	56.1	62.1	63.9	64.7	66.4	67.1	67.2	67.3	67.9	67.9	68.5	
31.8	38.7	47.4	54.3	58.6	64.8	66.7	67.5	69.4	70.3	70.3	70.5	71.0	71.1	71.7	
32.8	40.0	49.6	57.2	61.7	68.1	70.2	71.3	73.8	74.8	74.8	75.1	75.6	75.7	76.3	
32.9	41.0	51.1	59.3	64.0	70.9	73.5	74.5	77.1	78.1	78.3	78.5	79.1	79.2	79.8	
33.1	41.4	51.8	60.2	65.3	72.7	75.7	76.7	79.6	80.7	80.8	81.1	81.6	81.7	82.4	
33.3	41.7	52.3	60.9	66.3	74.4	77.6	79.0	82.1	83.6	83.7	84.0	84.5	84.6	85.3	
33.3	41.7	52.4	61.3	67.2	76.1	79.6	81.4	84.9	86.4	86.6	87.0	87.5	87.6	88.3	
33.4	41.8	52.6	61.5	67.9	77.2	81.1	83.0	87.0	88.9	89.2	89.9	91.1	91.2	92.0	
33.4	41.8	52.6	61.6	68.1	77.7	82.2	84.4	88.6	91.2	91.7	92.5	94.6	94.8	96.1	
33.4	41.8	52.6	61.6	68.1	77.7	82.2	84.4	88.6	91.4	91.9	92.8	95.2	95.5	98.5	
33.4	41.8	52.6	61.6	68.1	77.7	82.2	84.4	88.6	91.4	91.9	92.8	95.2	95.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 1499

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

8.8	11.2	13.9	16.3	17.7	19.5	20.4	21.2	21.9	22.6	22.7	22.9	23.1	23.2	23.7
9.5	12.0	14.8	17.3	18.7	20.5	21.4	22.2	23.1	23.8	23.9	24.2	24.4	24.4	25.0
9.5	12.0	14.8	17.3	18.7	20.6	21.5	22.3	23.1	23.8	24.0	24.3	24.4	24.5	25.0
9.5	12.0	14.8	17.3	18.7	20.6	21.5	22.3	23.1	23.8	24.0	24.3	24.4	24.5	25.0
9.5	12.0	14.8	17.3	18.7	20.6	21.5	22.3	23.1	23.8	24.0	24.3	24.4	24.5	25.0
9.9	12.4	15.2	17.8	19.2	21.1	22.0	22.8	23.6	24.3	24.5	24.8	25.0	25.0	25.5
10.4	13.0	15.8	18.4	19.8	21.9	23.1	23.9	24.8	25.5	25.6	25.9	26.1	26.1	26.7
10.9	13.6	16.5	19.2	20.6	23.1	24.2	25.1	25.9	26.6	26.8	27.0	27.2	27.3	27.9
11.8	14.7	18.0	20.8	22.2	24.8	25.9	26.8	27.6	28.4	28.5	28.8	29.0	29.0	29.6
12.3	15.3	19.0	22.2	23.7	26.3	27.5	28.5	29.3	30.1	30.4	30.7	30.9	30.9	31.5
13.5	16.7	20.6	23.9	25.3	28.0	29.2	30.4	31.2	32.1	32.5	32.7	32.9	33.0	33.5
14.1	17.5	21.4	24.7	26.3	29.0	30.3	31.6	32.4	33.3	33.8	34.0	34.2	34.3	34.8
14.4	17.8	21.8	25.1	26.7	29.4	30.7	31.9	32.8	33.6	34.2	34.4	34.6	34.7	35.2
15.4	19.0	23.1	26.6	28.2	31.0	32.3	33.6	34.4	35.3	35.8	36.0	36.2	36.3	36.9
16.6	20.4	24.8	28.4	30.0	32.8	34.2	35.5	36.3	37.2	37.7	37.9	38.1	38.2	38.8
18.1	22.2	27.0	30.7	32.8	35.6	36.9	38.2	39.1	40.0	40.6	40.8	41.0	41.1	41.7
19.9	24.3	29.4	33.5	35.2	38.4	39.7	41.0	41.9	42.8	43.4	43.6	43.8	43.9	44.4
22.4	27.8	33.6	37.9	39.8	43.3	45.1	46.3	47.4	48.3	48.8	49.1	49.3	49.3	49.9
23.3	29.0	34.9	39.4	41.3	45.2	46.8	48.3	49.1	50.1	50.7	50.9	51.1	51.2	51.7
25.5	31.4	37.9	43.0	45.2	49.5	51.4	52.8	53.7	54.7	55.3	55.6	55.8	55.9	56.5
27.7	34.5	42.0	46.0	50.6	55.4	57.4	59.0	60.2	61.1	61.8	62.0	62.3	62.3	62.9
28.7	36.4	44.7	51.4	54.4	59.7	61.9	63.6	64.8	65.8	66.3	66.8	67.0	67.1	67.7
29.0	36.7	46.1	53.3	56.9	62.8	65.2	66.8	68.1	69.3	69.9	70.2	70.4	70.5	71.1
29.5	37.5	47.8	55.7	59.6	65.7	68.4	70.2	71.6	72.8	73.5	73.8	74.0	74.1	74.7
30.1	38.2	49.0	57.5	61.7	68.2	71.0	73.0	74.5	75.9	76.7	76.9	77.3	77.4	77.9
30.2	38.7	49.7	58.4	62.9	69.8	72.8	74.7	76.6	78.3	79.1	79.3	79.7	79.8	80.3
30.3	38.8	50.1	59.2	64.0	71.2	74.8	77.0	79.1	81.2	82.0	82.4	82.8	82.9	83.4
30.3	38.8	50.3	59.7	64.7	72.4	76.4	79.0	81.3	83.7	84.8	85.1	85.6	85.6	86.2
30.3	38.9	50.4	60.1	65.4	73.5	78.2	81.3	84.4	87.3	88.9	89.8	90.0	90.1	91.0
30.3	38.9	50.5	60.1	65.8	74.0	78.9	82.4	85.8	89.2	91.4	92.6	93.8	94.1	95.4
30.3	38.9	50.5	60.1	65.8	74.0	78.9	82.4	85.9	89.6	91.9	93.1	94.7	95.1	96.3
30.3	38.9	50.5	60.1	65.8	74.0	78.9	82.4	85.9	89.6	91.9	93.1	94.7	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1587

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-1100

5.7	8.6	9.9	11.5	12.2	13.2	14.4	15.3	16.5	17.1	17.1	17.4	17.8	17.8	18.3	
7.6	11.0	12.8	14.8	15.6	16.8	18.0	19.0	20.5	21.4	21.5	21.8	22.4	22.4	22.9	
7.6	11.0	12.8	14.8	15.6	16.8	18.1	19.1	20.6	21.5	21.6	21.9	22.4	22.4	22.9	
7.7	11.0	12.9	14.9	15.6	16.9	18.1	19.1	20.7	21.5	21.7	21.9	22.5	22.5	23.0	
7.9	11.3	13.2	15.1	15.9	17.1	18.4	19.4	20.9	21.8	21.9	22.2	22.8	22.8	23.3	
8.1	11.5	13.4	15.3	16.1	17.4	18.6	19.6	21.2	22.0	22.2	22.4	23.0	23.0	23.6	
8.7	12.1	14.2	16.4	17.3	18.5	19.9	21.0	22.5	23.4	23.6	23.8	24.4	24.4	25.0	
9.2	12.6	14.8	17.4	18.3	19.7	21.2	22.2	23.8	24.7	24.9	25.2	25.8	25.8	26.4	
10.0	13.6	15.9	18.6	19.7	21.2	22.6	23.7	25.3	26.1	26.4	26.7	27.3	27.3	27.9	
10.7	14.6	16.9	19.8	21.0	22.4	23.9	25.0	26.6	27.6	28.1	28.6	29.2	29.2	29.8	
11.2	15.2	17.7	20.7	22.0	23.4	25.1	26.1	27.8	28.8	29.4	29.8	30.5	30.5	31.1	
12.0	16.8	19.4	22.5	23.9	25.4	27.3	28.4	30.1	31.2	31.8	32.2	32.9	32.9	33.6	
12.8	17.1	19.8	23.0	24.5	26.1	27.9	29.0	30.7	31.8	32.4	32.9	33.6	33.6	34.2	
13.9	18.2	21.0	24.4	26.0	27.6	29.5	30.7	32.4	33.6	34.2	34.6	35.3	35.3	36.0	
14.5	19.0	21.9	25.6	27.3	29.0	30.9	32.0	33.7	34.9	35.5	36.0	36.6	36.6	37.3	
16.1	20.9	24.2	28.0	29.7	31.7	33.6	34.8	36.7	38.0	38.7	39.2	39.9	39.9	40.6	
17.0	22.7	26.3	30.5	32.7	34.8	36.8	37.9	39.9	41.2	41.9	42.4	43.1	43.1	43.9	
19.8	25.8	29.3	34.6	37.0	39.7	41.9	43.2	45.3	46.7	47.5	48.1	48.8	48.8	49.6	
20.7	26.4	30.5	36.2	38.7	41.5	43.8	45.2	47.5	48.9	49.7	50.3	51.0	51.0	51.8	
22.5	28.9	33.8	39.5	42.3	45.4	48.1	49.5	51.8	53.5	54.3	54.9	55.6	55.6	56.4	
25.4	32.5	38.0	44.5	47.5	50.9	53.8	55.5	57.9	59.9	60.8	61.4	62.1	62.1	62.8	
26.4	34.4	40.4	47.0	50.4	53.9	57.0	59.0	61.6	63.8	64.6	65.2	66.0	66.0	66.8	
27.1	35.5	41.8	48.5	51.9	55.7	59.0	61.1	63.9	66.3	67.1	67.8	68.5	68.5	69.3	
27.6	36.6	43.5	50.6	54.4	58.7	62.2	64.4	67.4	70.0	70.9	71.5	72.3	72.3	73.1	
27.9	37.3	45.0	52.9	57.1	61.8	65.5	67.9	71.2	74.1	75.0	75.6	76.6	76.6	77.4	
28.0	37.7	46.0	54.1	58.5	63.6	67.9	70.3	74.0	77.3	78.3	79.1	80.1	80.1	80.9	
28.0	38.0	46.3	55.2	59.8	65.4	70.3	73.1	77.4	80.9	82.0	83.1	84.2	84.2	85.0	
28.1	38.2	46.8	55.7	60.6	66.7	72.0	75.0	79.9	83.9	85.1	86.3	87.5	87.6	88.6	
28.1	38.2	46.8	55.7	60.7	66.9	73.0	76.3	81.6	86.1	87.7	89.5	91.0	91.2	92.3	
28.1	38.2	46.8	55.7	60.7	66.9	73.2	76.6	82.2	87.1	89.7	92.1	94.2	94.7	97.0	
28.1	38.2	46.8	55.7	60.7	66.9	73.2	76.6	82.2	87.1	90.1	92.8	95.3	95.7	98.9	
28.1	38.2	46.8	55.7	60.7	66.9	73.2	76.6	82.2	87.2	90.2	92.8	95.3	95.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 1388

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

7.8	9.6	11.7	13.8	14.6	15.7	16.6	17.5	18.3	18.6	18.6	18.6	18.8	18.8	19.0
10.4	12.8	15.7	18.0	18.6	20.5	21.7	23.0	23.8	24.3	24.4	24.5	24.6	24.6	24.8
10.5	12.9	15.5	18.1	18.6	20.6	21.8	23.0	23.9	24.3	24.5	24.5	24.7	24.7	24.9
10.5	13.0	15.9	18.2	18.8	20.7	21.9	23.2	24.0	24.5	24.6	24.7	24.8	24.8	25.0
10.8	13.2	16.1	18.5	19.1	21.0	22.2	23.5	24.4	24.8	25.0	25.0	25.2	25.2	25.4
11.2	13.6	16.6	19.0	19.6	21.6	22.8	24.1	25.0	25.4	25.5	25.6	25.7	25.7	26.0
11.8	14.3	17.3	19.8	20.3	22.3	23.6	25.0	25.9	26.3	26.5	26.5	26.7	26.7	26.9
12.8	15.1	18.1	20.8	21.3	23.6	24.8	26.2	27.2	27.6	27.8	27.8	28.0	28.0	28.2
13.4	16.2	19.3	22.2	22.9	25.1	26.3	27.8	28.8	29.2	29.5	29.5	29.7	29.7	29.9
14.1	17.1	20.6	23.3	24.0	26.2	27.6	29.1	30.0	30.5	30.9	30.9	31.0	31.0	31.4
14.8	17.6	21.2	24.1	24.8	27.1	28.6	30.2	31.2	31.7	32.0	32.0	32.2	32.2	32.5
15.3	18.5	22.2	25.2	25.9	28.4	29.9	31.6	32.6	33.2	33.7	33.7	33.9	33.9	34.2
15.6	18.8	22.5	25.5	26.5	29.4	31.0	32.7	33.8	34.4	34.9	34.9	35.0	35.0	35.4
16.4	20.0	24.2	27.3	28.3	31.0	32.6	34.3	35.5	36.2	36.6	36.8	36.9	36.9	37.3
17.3	21.0	25.5	28.8	29.9	32.7	34.4	36.0	37.3	38.0	38.4	38.6	38.7	38.7	39.1
19.1	23.2	28.0	31.7	32.9	36.1	38.0	39.7	41.1	41.9	42.4	42.6	42.7	42.7	43.1
20.7	25.4	30.4	34.3	35.8	39.1	41.2	42.9	44.4	45.2	45.7	45.9	46.0	46.0	46.4
23.7	29.5	35.5	39.9	41.7	45.4	47.7	49.4	50.9	51.8	52.3	52.6	52.7	52.7	53.1
24.6	30.8	37.1	41.7	43.7	47.4	49.8	51.5	53.1	54.1	54.5	54.8	54.9	54.9	55.3
26.9	33.5	40.4	45.6	47.7	51.6	54.2	56.1	57.8	59.0	59.4	59.8	59.9	59.9	60.3
30.4	37.4	44.8	50.7	53.3	57.6	60.4	62.3	64.3	65.7	66.1	66.5	66.6	66.6	67.0
31.8	39.4	47.4	54.0	56.8	61.5	64.6	66.5	68.9	70.4	70.8	71.2	71.4	71.4	71.8
32.2	40.2	48.4	55.2	58.0	63.0	66.5	68.5	71.0	72.5	73.0	73.3	73.5	73.5	74.0
33.0	41.6	50.7	57.9	61.5	66.8	70.5	72.8	75.3	76.8	77.3	77.7	78.0	78.0	78.4
33.2	42.0	51.6	59.7	63.4	69.1	72.8	75.0	78.2	79.8	80.4	80.7	81.0	81.0	81.4
33.4	42.4	52.4	61.1	65.3	71.2	75.3	77.9	81.4	83.4	84.2	84.7	84.9	84.9	85.4
33.4	42.9	53.1	62.5	66.8	73.2	77.7	80.4	84.2	86.4	87.3	87.9	88.3	88.3	89.0
33.4	42.9	53.4	63.0	67.5	74.3	79.2	82.3	86.7	89.3	90.3	91.2	92.2	92.2	92.9
33.4	42.9	53.4	63.0	67.6	74.5	79.7	82.9	87.5	90.9	92.4	93.3	93.5	93.1	93.9
33.4	42.9	53.4	63.0	67.6	74.7	80.1	83.3	88.2	91.9	93.6	94.9	96.9	97.2	98.3
33.4	42.9	53.4	63.0	67.6	74.7	80.2	83.6	88.3	92.1	93.7	95.2	97.7	98.0	99.4
33.4	42.9	53.4	63.0	67.6	74.7	80.2	83.6	88.3	92.1	93.8	95.2	97.8	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1998

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

9.4	12.2	14.0	16.5	17.5	18.9	19.5	20.4	20.8	21.1	21.1	21.2	21.3	21.3	21.3	
12.7	16.5	18.8	22.1	23.5	25.1	25.9	27.0	27.6	28.1	28.2	28.3	28.4	28.6	28.7	
12.7	16.5	18.8	22.1	23.6	25.1	26.0	27.1	27.7	28.1	28.3	28.4	28.6	28.6	28.8	
12.7	16.6	18.9	22.2	23.6	25.2	26.1	27.1	27.8	28.2	28.3	28.4	28.7	28.7	28.8	
13.0	16.9	19.2	22.5	23.9	25.5	26.4	27.5	28.1	28.6	28.7	28.8	29.1	29.1	29.2	
13.7	17.7	20.0	23.3	24.7	26.4	27.3	28.4	29.1	29.5	29.6	29.8	30.0	30.0	30.1	
14.5	18.7	21.0	24.3	25.8	27.4	28.4	29.6	30.3	30.8	30.9	31.0	31.3	31.3	31.5	
15.2	19.5	22.1	25.0	27.0	28.8	29.8	31.0	31.7	32.1	32.3	32.4	32.7	32.7	32.9	
15.7	20.1	23.1	26.0	28.1	30.1	31.3	32.5	33.3	33.8	33.9	34.1	34.3	34.5	34.6	
16.9	21.4	24.6	28.1	29.6	31.6	32.8	34.0	34.9	35.4	35.5	35.8	36.2	36.2	36.3	
17.9	22.5	25.8	29.8	31.3	33.3	34.6	35.8	36.8	37.3	37.4	37.7	38.0	38.0	38.2	
19.0	23.6	27.1	31.0	32.5	34.6	35.9	37.2	38.2	38.7	39.0	39.2	39.7	39.7	39.8	
19.5	24.1	27.6	31.6	33.1	35.2	36.5	38.0	39.0	39.5	39.8	40.1	40.5	40.5	40.7	
20.4	25.3	28.9	33.0	34.5	36.7	38.0	39.7	40.9	41.4	41.7	42.0	42.5	42.5	42.7	
22.0	26.9	30.6	34.9	36.4	38.8	40.1	41.7	42.9	43.6	43.9	44.2	44.7	44.7	44.9	
24.7	29.9	34.0	38.5	40.4	43.7	44.2	45.9	47.2	48.0	48.2	48.6	49.2	49.2	49.4	
26.8	32.5	36.7	41.2	43.2	46.6	47.2	49.0	50.3	51.1	51.3	51.7	52.3	52.3	52.5	
29.3	36.0	40.7	45.7	47.7	50.6	52.4	54.3	55.8	56.6	56.8	57.2	57.8	57.8	58.0	
30.4	37.5	42.5	47.7	49.8	52.8	54.6	56.6	58.1	59.0	59.2	59.6	60.2	60.2	60.4	
32.0	39.7	45.7	51.6	54.1	57.4	59.3	61.4	62.9	64.1	64.4	64.8	65.4	65.4	65.6	
34.3	42.6	49.4	55.8	58.4	62.1	64.1	66.2	67.9	69.4	69.7	70.1	70.7	70.7	70.9	
35.4	44.0	51.3	58.3	61.3	65.4	67.7	70.1	72.1	73.7	74.0	74.4	75.0	75.0	75.3	
36.1	44.9	52.3	59.5	62.6	66.9	69.3	71.9	74.1	75.8	76.1	76.5	77.1	77.1	77.4	
36.5	45.9	53.5	60.9	64.1	69.0	71.6	74.4	76.9	79.1	79.6	80.0	80.7	80.7	81.0	
36.8	46.5	54.3	62.2	65.8	70.9	73.6	76.5	79.4	81.8	82.3	82.7	83.4	83.4	83.6	
37.1	47.1	55.2	63.3	67.2	72.6	76.2	79.6	82.7	85.5	86.0	86.5	87.2	87.2	87.5	
37.2	47.2	55.6	64.2	68.4	74.2	78.1	81.7	85.2	88.3	89.2	89.9	90.7	90.7	91.0	
37.2	47.2	55.7	64.5	68.9	74.8	79.3	83.2	87.1	90.5	91.4	92.2	93.4	93.4	93.7	
37.2	47.2	55.8	64.5	69.0	75.3	79.9	83.8	88.0	92.1	93.2	94.1	95.9	95.9	96.5	
37.2	47.2	55.8	64.5	69.0	75.4	80.1	84.3	88.8	93.2	94.4	95.8	98.2	98.4	99.4	
37.2	47.2	55.8	64.5	69.0	75.4	80.1	84.3	88.8	93.4	94.5	96.0	98.5	98.7	100.0	
37.2	47.2	55.8	64.5	69.0	75.4	80.1	84.3	88.8	93.4	94.5	96.0	98.5	98.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 1596

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/[illegible]AC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 56-6[illegible] JA[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1[illegible]00-2[illegible]00

[illegible]	14.6	16.[illegible]	18.4	20.4	22.3	23.4	23.5	23.9	24.[illegible]	24.2	24.3	24.4	24.4	24.4
1[illegible]	14.3	1[illegible]	20.9	23.2	25.0	26.5	26.7	27.1	27.3	27.[illegible]	27.6	27.[illegible]	27.[illegible]	2[illegible]
1[illegible]	14.5	1[illegible]	20.9	23.2	25.6	26.3	26.7	27.1	27.3	27.[illegible]	27.6	27.[illegible]	27.[illegible]	2[illegible]
1[illegible]	14.5	1[illegible]	20.9	23.2	25.0	26.5	26.7	27.1	27.3	27.[illegible]	27.6	27.[illegible]	27.[illegible]	2[illegible]
1[illegible]	14.6	1[illegible].1	21.[illegible]	23.2	25.7	26.7	26.8	27.2	27.5	27.6	27.7	[illegible]	28.[illegible]	28.4
11.5	15.3	1[illegible].9	21.6	24.1	26.7	27.6	27.7	28.2	28.4	28.5	28.7	2[illegible].9	28.9	29.3
12.5	16.4	19.7	22.1	25.6	28.[illegible]	29.[illegible]	29.1	29.5	29.7	29.9	30.0	30.3	30.3	30.7
13.1	17.0	20.5	23.6	26.1	29.[illegible]	30.[illegible]	30.2	30.7	30.9	31.[illegible]	31.2	31.4	31.4	31.[illegible]
13.5	17.6	21.4	25.2	27.5	30.5	31.5	31.7	32.3	32.5	32.7	32.8	33.0	33.[illegible]	33.5
15.3	19.5	23.4	27.3	29.9	33.1	34.3	34.4	35.1	35.3	35.5	35.6	35.8	35.8	36.2
16.3	20.5	24.5	28.9	31.6	34.8	36.[illegible]	36.3	36.9	37.2	37.3	37.5	37.7	37.7	38.1
17.4	21.8	25.9	30.5	33.2	36.5	37.6	37.9	38.6	38.9	39.1	39.2	39.4	39.4	39.[illegible]
18.0	22.5	26.7	31.3	34.2	37.5	38.6	39.0	39.6	40.0	40.1	40.3	40.5	40.5	40.9
19.[illegible]	23.7	28.2	32.9	35.9	39.3	41.4	4[illegible].8	41.4	41.9	42.1	42.2	42.4	42.4	42.[illegible]
2[illegible].1	25.0	29.6	34.6	37.6	40.9	42.1	42.5	43.2	43.7	43.9	44.0	44.2	44.2	44.7
22.[illegible]	27.2	32.[illegible]	37.3	40.9	44.3	45.5	45.9	46.9	47.3	47.5	47.7	47.9	47.9	48.3
24.2	30.3	35.5	41.1	44.8	48.5	49.7	50.4	51.3	51.5	52.0	52.1	52.3	52.3	52.8
25.9	32.6	38.[illegible]	45.3	49.2	53.3	54.7	55.5	56.5	56.9	57.[illegible]	57.3	57.5	57.5	57.9
26.7	33.8	40.1	47.0	51.1	55.6	56.9	57.8	58.8	59.2	59.4	59.6	59.8	59.8	60.2
27.3	35.1	42.3	49.5	54.[illegible]	58.9	60.0	61.6	62.7	63.2	63.4	63.5	63.7	63.7	64.2
27.7	37.3	43.1	53.[illegible]	57.3	63.[illegible]	65.7	66.9	67.9	68.4	68.6	68.7	69.0	69.0	69.5
28.2	38.6	46.5	55.1	60.9	66.8	68.9	70.1	71.2	71.5	72.[illegible]	72.1	72.4	72.4	72.5
28.5	39.1	47.7	56.[illegible]	62.7	69.2	71.5	72.9	74.1	74.6	74.8	75.0	75.3	75.3	75.7
28.7	39.5	49.0	58.9	65.[illegible]	72.5	75.1	76.6	78.0	78.6	78.9	79.0	79.4	79.4	79.9
2[illegible]	39.9	49.[illegible]	59.9	66.[illegible]	74.1	76.8	78.4	80.1	81.1	81.4	81.5	81.9	81.9	82.4
2[illegible]	40.2	50.[illegible]	61.2	63.[illegible]	76.1	79.4	81.4	83.6	84.8	85.[illegible]	85.2	85.6	85.5	86.0
2[illegible]	40.3	50.1	61.5	65.4	77.3	80.[illegible]	83.2	85.0	87.7	88.[illegible]	88.2	88.5	88.5	89.0
2[illegible]	40.3	50.3	61.9	69.[illegible]	78.5	82.5	85.2	[illegible]	90.5	91.[illegible]	91.3	92.0	92.[illegible]	92.5
2[illegible]	40.3	50.3	62.0	69.3	79.1	83.2	85.1	90.1	92.5	93.[illegible]	93.5	94.7	94.7	95.3
29.9	40.3	50.3	62.0	69.3	79.2	83.5	86.7	90.7	93.5	94.5	95.1	96.9	96.9	98.0
29.9	40.3	50.3	62.0	69.3	79.2	83.5	86.7	90.7	93.9	94.7	95.8	97.8	97.6	99.6
29.9	40.3	50.3	62.0	69.3	79.2	83.5	86.7	90.7	93.9	94.7	95.8	97.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

94090 SEMBACH AB GERMANY 54-68 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

12.1	14.6	17.1	20.4	22.2	25.0	26.1	26.7	27.4	27.7	27.8	27.9	28.0	28.0	28.2	
13.4	16.1	18.8	22.9	24.8	27.8	29.0	29.6	30.3	30.5	30.7	30.8	30.9	30.9	31.1	
13.4	16.1	18.8	22.9	24.8	27.8	29.0	29.6	30.3	30.5	30.7	30.8	30.9	30.9	31.1	
13.4	16.1	18.8	22.9	24.8	27.8	29.0	29.6	30.3	30.5	30.7	30.8	30.9	30.9	31.1	
13.4	16.1	18.8	22.9	24.8	27.8	29.0	29.6	30.3	30.5	30.7	30.8	30.9	30.9	31.1	
13.8	16.5	19.2	23.3	25.4	28.5	29.7	30.3	31.0	31.3	31.4	31.5	31.6	31.6	31.8	
14.2	16.8	19.6	23.8	25.9	29.1	30.3	30.9	31.5	31.8	32.0	32.0	32.2	32.2	32.4	
14.6	17.3	20.1	24.7	26.8	30.0	31.2	31.8	32.5	32.8	32.8	33.0	33.1	33.1	33.3	
15.4	18.1	21.1	25.9	28.3	31.8	33.0	33.6	34.3	34.6	34.7	34.8	34.9	34.9	35.1	
16.3	19.1	22.3	27.2	29.6	33.3	34.5	35.1	35.8	36.1	36.2	36.3	36.4	36.4	36.6	
17.3	20.2	23.4	28.4	30.9	34.6	35.8	36.6	37.3	37.6	37.8	37.8	38.0	38.0	38.2	
18.0	21.2	24.4	29.6	32.5	36.5	37.9	38.8	39.6	39.9	40.0	40.1	40.2	40.2	40.4	
18.5	21.9	25.2	30.4	33.5	37.6	39.0	39.9	40.6	40.9	41.1	41.1	41.3	41.3	41.5	
19.5	22.9	26.7	32.2	35.4	39.5	41.1	41.9	42.8	43.1	43.2	43.2	43.4	43.4	43.7	
20.9	24.9	28.7	34.2	37.4	41.5	43.1	43.9	44.9	45.2	45.4	45.4	45.6	45.6	45.8	
21.9	26.1	30.6	36.7	39.9	44.0	45.7	46.5	47.5	47.9	48.1	48.2	48.4	48.4	48.7	
24.2	29.0	34.1	40.6	44.0	48.2	50.0	51.0	52.0	52.5	52.7	52.8	53.0	53.0	53.3	
26.2	31.8	37.3	44.4	48.4	52.8	54.6	55.8	56.8	57.1	57.3	57.4	57.6	57.6	57.8	
26.8	32.7	38.4	45.8	50.0	54.7	56.5	57.4	58.5	59.0	59.2	59.4	59.5	59.5	59.8	
27.7	34.3	40.5	49.0	53.4	58.4	60.2	61.2	62.4	62.9	63.1	63.2	63.4	63.4	63.7	
29.2	36.2	43.3	52.5	57.3	62.4	64.3	65.4	66.6	67.2	67.5	67.6	67.7	67.7	68.0	
30.5	38.2	46.0	56.2	61.5	67.0	69.0	70.1	71.4	72.0	72.3	72.5	72.6	72.6	72.9	
30.9	39.2	47.4	57.8	63.7	69.8	71.9	73.0	74.3	75.1	75.3	75.5	75.6	75.6	75.9	
31.2	40.0	49.0	59.8	66.1	72.5	75.3	76.4	78.0	78.8	79.1	79.2	79.4	79.4	79.6	
31.6	40.9	50.3	61.4	68.2	75.1	78.0	79.4	81.1	81.9	82.2	82.4	82.5	82.5	82.8	
31.6	41.1	50.7	62.0	69.0	76.3	79.6	81.1	83.0	84.1	84.4	84.5	84.7	84.7	84.9	
31.6	41.2	51.4	62.9	70.9	78.7	82.5	84.0	86.2	87.5	87.8	88.0	88.2	88.2	88.5	
31.6	41.2	51.4	62.9	71.3	79.6	83.9	85.7	88.5	90.1	90.5	90.8	91.2	91.2	91.5	
31.6	41.2	51.5	63.1	71.5	80.1	84.8	87.0	90.3	92.4	93.1	93.8	94.6	94.6	95.1	
31.6	41.2	51.5	63.1	71.7	80.4	85.2	87.5	90.8	93.5	94.8	95.4	96.6	96.6	97.6	
31.6	41.2	51.5	63.1	71.7	80.4	85.2	87.5	90.8	93.5	94.8	96.0	97.5	97.6	99.4	
31.6	41.2	51.5	63.1	71.7	80.4	85.2	87.5	90.8	93.5	94.8	96.1	97.6	97.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 1393

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94056 SEMBACH AB GERMANY 54-68 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

14.0	15.7	18.3	22.2	24.8	28.4	29.7	30.3	32.0	32.4	33.5	33.8	33.8	33.9	34.5	
16.2	18.5	21.9	26.0	28.6	32.5	33.8	34.4	36.1	37.5	37.6	37.8	37.9	38.0	38.6	
16.2	18.5	21.9	26.0	28.6	32.5	33.8	34.4	36.1	37.5	37.6	37.8	37.9	38.0	38.6	
16.3	18.6	22.0	26.0	28.7	32.6	33.9	34.5	36.2	37.6	37.7	37.9	38.0	38.1	38.6	
16.4	18.8	22.2	26.4	29.0	32.9	34.2	34.8	36.5	37.9	38.0	38.2	38.3	38.4	38.9	
16.8	19.2	22.6	26.8	29.5	33.4	34.8	35.3	37.1	38.5	38.6	38.8	38.9	38.9	39.5	
17.3	19.7	23.3	27.5	30.3	34.2	35.6	36.1	37.8	39.3	39.3	39.6	39.7	39.7	40.3	
17.9	20.4	23.9	28.3	31.2	35.6	37.0	37.6	39.4	41.0	41.1	41.3	41.4	41.5	42.0	
18.8	21.6	25.6	30.0	32.9	37.3	38.5	40.2	42.1	43.7	43.7	44.0	44.1	44.1	44.7	
20.5	23.5	27.9	32.9	36.0	40.6	42.8	43.6	45.5	47.0	47.1	47.4	47.4	47.5	48.1	
22.0	25.3	29.8	35.2	38.4	43.4	45.6	46.3	48.2	49.8	49.9	50.1	50.2	50.3	50.8	
22.7	26.2	31.0	36.7	40.1	45.1	47.3	48.1	50.0	51.5	51.6	51.8	51.9	52.0	52.6	
23.4	27.0	32.3	38.1	41.8	46.9	48.9	49.6	51.6	53.2	53.3	53.6	53.7	53.7	54.3	
24.0	27.6	33.0	39.2	42.6	47.8	50.1	50.9	52.9	54.4	54.6	54.9	55.1	55.2	55.7	
25.3	29.1	34.9	41.6	45.3	50.4	52.8	53.6	55.6	57.2	57.4	57.7	57.9	58.0	58.5	
27.0	31.2	37.5	44.8	48.8	53.7	56.2	57.0	59.1	60.7	60.9	61.4	61.5	61.6	62.2	
28.1	32.7	39.8	47.8	51.5	56.9	59.4	60.2	62.3	64.0	64.2	64.7	64.8	64.9	65.5	
29.4	34.5	41.8	51.0	54.8	60.3	63.1	63.9	66.0	67.7	67.9	68.4	68.5	68.6	69.2	
29.7	34.9	42.3	51.8	55.7	61.6	64.5	65.1	67.2	68.9	69.1	69.6	69.8	69.9	70.4	
30.7	36.4	44.6	54.4	58.5	64.9	67.8	68.7	70.9	72.6	72.8	73.3	73.5	73.6	74.1	
31.9	38.6	47.6	57.9	62.5	69.0	72.2	73.1	75.5	77.3	77.4	78.0	78.1	78.2	78.8	
32.8	39.8	49.2	59.8	64.7	71.8	75.1	76.0	78.4	80.2	80.5	81.1	81.3	81.4	81.9	
33.1	40.3	50.1	61.2	66.2	73.6	76.8	77.7	80.3	82.1	82.3	83.0	83.2	83.3	83.9	
33.5	41.2	51.4	62.8	67.7	75.7	79.2	80.4	82.9	84.8	85.0	85.7	85.8	85.9	86.6	
33.7	41.8	52.2	64.1	69.3	77.9	81.6	82.7	85.4	87.3	87.5	88.2	88.4	88.5	89.2	
33.7	41.8	52.4	64.3	69.7	78.4	82.1	83.2	86.0	88.0	88.3	89.0	89.2	89.3	90.0	
33.7	42.1	52.7	64.9	70.3	79.2	83.2	84.3	87.7	90.2	90.4	91.1	91.3	91.4	92.1	
33.7	42.1	53.1	65.3	71.4	81.4	85.8	87.1	90.6	93.1	93.3	94.0	94.2	94.3	95.0	
33.7	42.1	53.1	65.3	71.4	81.7	86.2	87.6	91.3	93.9	94.2	94.9	95.1	95.2	95.9	
33.7	42.1	53.1	65.6	71.6	81.8	86.4	87.8	91.8	94.5	94.8	95.5	95.8	96.1	97.6	
33.7	42.1	53.1	65.6	71.6	81.8	86.4	87.8	91.9	94.7	95.2	95.9	96.2	96.5	98.9	
33.7	42.1	53.1	65.6	71.6	81.8	86.4	87.8	91.9	94.9	95.4	96.1	96.8	97.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 1271

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0800

12.3	14.8	17.6	20.9	23.6	27.4	28.5	28.9	30.8	31.8	32.2	32.7	32.9	33.0	34.0
13.6	16.5	19.5	23.0	25.9	29.9	30.9	31.4	33.3	34.3	34.8	35.2	35.5	35.5	36.5
13.6	16.6	19.6	23.1	26.0	30.0	31.0	31.5	33.4	34.4	34.9	35.3	35.5	35.6	36.6
13.6	16.6	19.7	23.2	26.1	30.0	31.1	31.6	33.4	34.5	34.9	35.4	35.6	35.7	36.7
13.7	16.9	19.9	23.4	26.3	30.3	31.3	31.8	33.7	34.7	35.2	35.6	35.8	35.9	36.9
14.0	17.2	20.2	23.9	26.7	30.7	31.8	32.2	34.1	35.2	35.6	36.1	36.3	36.4	37.3
14.2	17.3	20.4	24.1	27.0	31.1	32.2	32.7	34.6	35.6	36.1	36.5	36.7	36.8	37.8
14.5	17.6	20.9	24.8	27.9	32.2	33.4	34.0	35.8	36.9	37.5	38.0	38.2	38.3	39.3
16.1	19.5	22.7	26.6	29.7	34.1	35.7	36.4	38.4	39.5	40.1	40.6	40.8	40.9	41.9
17.4	20.8	24.5	28.5	32.0	36.6	38.3	39.3	41.8	43.5	43.1	43.8	44.0	44.1	45.0
18.0	21.5	25.7	30.0	33.7	38.4	40.1	41.1	43.3	44.4	45.0	45.6	45.8	45.9	46.8
18.8	22.3	26.7	31.3	34.9	39.7	41.4	42.4	44.6	45.6	46.2	46.8	47.1	47.1	48.1
19.9	23.4	27.9	32.8	36.3	41.3	43.0	44.1	46.2	47.4	48.0	48.6	48.9	48.9	49.9
20.9	24.6	29.4	34.5	38.2	43.1	44.8	45.9	48.0	49.2	49.8	50.3	50.7	50.8	51.7
22.3	26.1	32.0	37.2	41.3	46.3	48.2	49.2	51.4	52.6	53.3	53.9	54.1	54.2	55.2
23.6	27.7	34.2	40.0	44.1	49.2	51.0	52.0	54.4	55.6	56.4	57.0	57.2	57.3	58.3
24.9	29.5	36.5	42.8	46.8	52.1	53.9	55.0	57.5	58.9	59.6	60.3	60.5	60.6	61.6
27.4	32.8	40.6	47.2	51.7	57.3	59.2	60.2	62.7	64.2	64.9	65.6	65.8	65.9	66.9
28.4	34.0	42.0	48.9	53.5	59.3	61.3	62.3	64.8	66.3	67.0	67.7	67.9	68.0	69.0
29.6	35.8	44.2	51.6	56.5	62.7	64.8	66.2	68.7	70.1	70.9	71.8	71.8	71.8	72.8
30.3	37.3	46.8	54.2	59.3	65.9	68.4	69.8	72.6	74.0	75.0	75.7	75.9	76.0	77.0
31.3	38.6	48.6	56.9	62.3	69.3	72.3	73.8	76.7	78.3	79.3	80.0	80.2	80.3	81.3
31.9	39.1	49.2	58.2	64.1	71.8	74.6	76.1	79.3	80.9	81.9	82.8	82.8	82.8	83.8
32.6	40.0	50.7	60.2	66.2	74.0	76.9	78.5	81.9	83.7	84.6	85.3	85.5	85.6	86.6
32.8	40.2	51.0	60.8	66.8	74.8	77.8	79.4	83.0	84.8	85.8	86.6	86.7	86.7	87.7
32.8	40.3	51.4	61.4	67.8	75.9	79.3	81.0	84.6	86.5	87.6	88.3	88.5	88.6	89.5
32.8	40.4	51.5	61.7	68.4	77.0	80.6	82.6	86.4	88.6	89.6	90.6	90.6	90.7	91.6
32.9	40.5	51.7	62.0	69.3	78.4	82.4	84.4	88.5	90.7	92.0	92.8	93.1	93.1	94.1
32.9	40.6	51.9	62.4	69.8	79.4	83.6	86.0	90.1	92.7	94.0	94.8	95.2	95.3	96.3
32.9	40.6	51.9	62.4	69.8	79.4	83.8	86.2	90.4	93.0	94.3	95.2	96.1	96.2	97.2
32.9	40.6	51.9	62.4	69.8	79.4	83.8	86.2	90.4	93.0	94.3	95.2	96.1	96.2	97.2
32.9	40.6	51.9	62.4	69.8	79.4	83.8	86.2	90.4	93.0	94.3	95.2	96.1	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1328

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 34-72 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

9.7	12.4	14.3	17.2	19.0	21.6	22.8	23.5	25.1	26.4	26.8	27.2	27.5	27.5	27.5	28.2
11.3	14.6	16.6	19.7	21.6	24.4	25.7	26.4	28.2	29.4	29.8	30.3	30.5	30.5	30.5	31.3
11.3	14.6	16.6	19.7	21.6	24.4	25.7	26.4	28.2	29.4	29.8	30.3	30.5	30.5	30.5	31.3
11.4	14.7	16.7	19.9	21.8	24.6	25.9	26.6	28.4	29.6	30.0	30.5	30.7	30.7	30.7	31.5
11.5	14.9	16.9	20.1	22.0	24.8	26.1	26.8	28.6	29.8	30.3	30.7	30.9	30.9	30.9	31.7
11.8	15.2	17.2	20.7	22.8	25.4	26.7	27.5	29.3	30.5	30.9	31.4	31.6	31.6	31.6	32.4
12.0	15.4	17.5	21.0	22.9	25.9	27.3	28.1	30.0	31.2	31.6	32.1	32.3	32.3	32.3	33.2
12.1	15.6	17.6	21.1	23.1	26.1	27.5	28.4	30.3	31.7	32.1	32.5	32.8	32.8	32.8	33.7
12.6	16.1	18.3	21.9	24.0	27.1	28.6	29.6	31.5	33.2	33.7	34.1	34.4	34.4	34.4	35.3
13.4	17.0	19.3	23.2	25.6	28.7	30.3	31.6	33.8	35.3	35.7	36.4	36.6	36.6	36.6	37.6
15.0	18.7	21.1	25.0	27.5	30.6	32.2	33.4	35.7	37.3	37.8	38.4	38.7	38.7	38.7	39.6
16.4	20.4	23.1	27.1	29.6	32.8	34.5	35.7	38.0	39.6	40.1	40.8	41.1	41.1	41.1	42.1
16.8	20.8	23.6	27.7	30.3	33.7	35.4	36.6	38.9	40.5	41.0	41.7	42.0	42.0	42.0	43.0
18.1	22.3	25.4	29.9	32.9	36.0	37.8	39.0	41.4	43.0	43.5	44.1	44.5	44.5	44.5	45.5
19.7	23.9	27.3	31.9	34.8	38.4	40.2	41.4	43.9	45.5	46.0	46.6	47.1	47.1	47.1	48.1
21.0	25.9	30.0	35.4	38.6	42.4	44.2	45.5	48.2	49.8	50.3	51.0	51.5	51.5	51.5	52.4
22.7	28.1	32.8	38.3	41.7	45.8	47.6	48.8	51.6	53.3	53.8	54.5	55.0	55.0	55.0	56.0
24.4	30.7	36.2	42.6	46.3	50.6	52.8	54.3	57.1	58.8	59.3	59.9	60.5	60.5	60.5	61.5
25.2	32.0	37.8	44.4	48.1	52.4	54.7	56.3	59.0	60.7	61.3	61.9	62.4	62.4	62.4	63.4
27.0	34.4	40.8	47.6	51.5	56.1	58.6	60.2	63.0	64.7	65.3	65.9	66.5	66.5	66.5	67.5
28.4	36.2	43.4	51.5	55.7	60.6	63.4	65.3	68.6	70.4	70.9	71.6	72.2	72.2	72.2	73.2
28.7	37.1	45.1	53.8	58.1	63.2	66.5	68.4	71.8	73.7	74.3	75.1	75.7	75.7	75.7	76.7
28.9	37.6	45.8	55.0	59.5	64.6	68.1	70.1	73.7	75.7	76.2	77.1	77.7	77.7	77.7	78.7
29.3	38.2	47.2	57.0	61.7	67.3	71.2	73.4	77.4	79.7	80.3	81.1	81.8	81.8	81.8	82.8
29.5	38.6	47.8	57.9	62.6	68.5	72.8	75.3	79.6	82.1	82.8	83.7	84.4	84.4	84.4	85.3
29.5	38.7	48.2	58.5	63.4	70.0	74.1	76.6	81.2	83.8	84.4	85.4	86.1	86.1	86.1	87.1
29.6	38.9	48.7	59.2	64.3	71.4	75.9	78.9	83.9	86.6	87.3	88.3	89.0	89.1	89.1	90.2
29.7	39.0	48.7	59.4	64.8	72.1	77.1	80.3	85.3	88.2	89.1	90.2	90.9	91.0	91.0	92.1
29.7	39.1	48.8	59.6	65.0	73.0	78.0	81.2	86.6	89.8	90.8	91.9	92.7	92.8	92.8	93.9
29.7	39.1	48.8	59.7	65.1	73.2	78.2	81.4	86.8	90.2	91.3	92.4	93.2	94.8	94.8	96.4
29.7	39.1	48.8	59.7	65.1	73.2	78.2	81.4	86.9	90.6	91.9	93.0	93.8	95.4	95.5	98.1
29.7	39.1	48.8	59.7	65.1	73.2	78.2	81.4	86.9	90.6	91.9	93.0	93.8	95.4	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1438

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

8.8	10.4	11.4	13.8	14.7	16.2	17.2	17.9	19.3	20.5	20.9	21.1	21.5	21.5	22.3
11.8	13.6	15.0	18.5	19.6	21.1	22.2	23.1	25.4	26.7	27.1	27.5	27.8	27.8	28.9
11.8	13.6	15.0	18.5	19.6	21.1	22.2	23.1	25.4	26.8	27.2	27.4	27.9	27.9	29.0
11.9	13.7	15.1	18.6	19.7	21.2	22.4	23.3	25.5	26.9	27.3	27.5	28.0	28.0	29.2
12.1	13.9	15.4	18.9	20.0	21.6	22.7	23.6	25.9	27.3	27.7	27.9	28.4	28.4	29.5
12.5	14.4	16.0	19.5	20.8	22.2	23.5	24.4	26.6	28.0	28.3	28.7	29.2	29.2	30.3
13.0	15.0	16.6	20.3	21.8	23.1	24.5	25.4	27.9	29.4	29.8	30.0	30.6	30.6	31.9
13.6	15.6	17.2	21.0	22.1	24.0	25.3	26.3	29.0	30.7	31.1	31.3	32.0	32.0	33.2
14.9	17.0	18.9	22.6	23.8	25.8	27.1	28.2	31.0	32.9	33.4	33.6	34.2	34.2	35.5
15.8	17.9	20.1	24.3	25.6	28.0	29.4	30.6	33.6	35.5	36.0	36.2	36.9	36.9	38.2
16.6	18.7	21.0	25.4	26.9	29.3	30.9	32.1	35.0	37.1	37.6	37.8	38.4	38.4	39.7
17.9	20.1	22.7	27.2	28.8	31.3	33.0	34.2	37.3	39.4	39.9	40.2	40.8	40.8	42.2
18.8	21.0	23.6	28.1	29.7	32.3	34.0	35.2	38.3	40.4	41.0	41.3	41.9	41.9	43.3
19.2	21.6	24.3	29.1	30.8	33.7	35.5	36.7	39.8	42.0	42.7	43.0	43.6	43.6	45.0
20.8	23.1	26.0	30.9	32.7	35.8	37.6	38.9	42.0	44.2	44.9	45.2	45.8	45.8	47.2
22.3	25.4	28.5	33.6	35.6	38.7	40.6	42.0	45.3	47.7	48.4	48.8	49.5	49.5	50.9
23.6	27.2	30.5	35.9	38.0	41.4	43.4	44.8	48.2	50.8	51.5	52.0	52.7	52.7	54.1
25.6	29.8	33.5	39.5	41.8	45.5	47.7	49.3	52.8	55.5	56.2	56.7	57.5	57.5	58.9
26.7	31.5	35.4	41.5	43.8	47.7	50.0	51.6	55.4	58.1	58.9	59.4	60.1	60.1	61.5
28.7	34.0	38.5	45.0	47.3	51.5	54.2	55.9	59.8	62.9	63.6	64.1	64.9	64.9	66.3
30.3	36.9	42.0	49.4	51.9	56.3	59.4	61.0	65.2	68.4	69.2	69.7	70.4	70.4	71.9
31.2	38.5	44.2	52.6	55.1	60.0	63.2	65.0	69.7	73.9	74.7	74.3	75.1	75.2	76.7
31.6	39.2	45.5	53.8	56.4	61.9	65.5	67.3	72.5	76.8	76.5	77.2	78.0	78.1	79.5
32.2	40.2	47.0	56.2	58.9	64.8	68.7	70.7	76.3	79.8	80.7	81.4	82.2	82.3	83.9
32.3	40.6	47.5	57.1	59.9	65.9	70.4	72.5	78.3	82.0	82.9	83.7	84.8	84.9	86.5
32.3	40.8	47.8	57.5	60.3	66.6	71.2	73.7	79.8	83.7	84.7	85.6	86.8	86.9	88.5
32.3	40.8	47.9	57.7	60.7	67.1	72.0	74.6	81.0	85.4	86.7	87.8	88.9	89.1	90.7
32.3	40.8	47.9	57.9	61.1	68.0	73.0	75.8	82.6	87.4	88.8	90.0	91.3	91.5	93.1
32.3	40.8	47.9	58.0	61.4	68.3	73.4	76.3	83.3	89.0	90.7	92.2	93.8	94.0	95.7
32.3	40.8	47.9	58.0	61.5	68.4	73.5	76.5	83.7	89.3	91.2	92.9	95.5	95.7	97.4
32.3	40.8	47.9	58.0	61.5	68.4	73.5	76.5	83.8	89.4	91.3	93.1	95.7	95.9	98.7
32.3	40.8	47.9	58.0	61.5	68.4	73.5	76.5	83.8	89.4	91.3	93.1	95.7	95.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1427

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES															
	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8
0	11.2	14.0	16.1	18.6	20.1	22.0	22.5	23.1	24.1	24.4	24.4	24.4	24.4	24.5	24.6	
1	15.0	18.2	20.8	24.3	25.9	28.2	29.0	29.7	30.9	31.3	31.4	31.4	31.4	31.5	31.6	
2	15.0	18.2	20.8	24.3	25.9	28.2	29.0	29.7	30.9	31.3	31.4	31.4	31.4	31.5	31.6	
3	15.1	18.2	20.9	24.4	26.0	28.3	29.1	29.8	31.0	31.4	31.4	31.4	31.5	31.6	31.7	
4	15.4	18.6	21.3	24.8	26.4	28.7	29.5	30.2	31.4	31.8	31.9	31.9	31.9	32.0	32.1	
5	16.0	19.4	22.2	25.8	27.4	29.8	30.5	31.2	32.5	32.8	32.9	32.9	33.0	33.1	33.2	
6	16.6	19.9	22.9	26.9	28.5	31.0	32.0	32.9	34.3	34.7	34.7	34.7	34.8	34.9	35.0	
7	17.0	20.4	23.4	27.4	29.0	31.7	32.7	33.7	35.3	35.9	35.9	36.0	36.1	36.1	36.3	
8	18.5	22.3	25.8	29.9	31.7	34.5	35.6	36.6	38.3	38.9	38.9	39.0	39.1	39.2	39.3	
9	19.4	23.4	26.9	31.2	33.1	36.1	37.1	38.1	39.9	40.5	40.6	40.6	40.7	40.8	40.9	
10	20.5	24.6	28.4	32.7	34.6	37.7	38.9	39.9	41.8	42.4	42.5	42.5	42.6	42.7	42.8	
11	22.2	26.5	30.3	34.8	36.7	40.0	41.3	42.3	44.2	44.8	44.8	44.9	45.0	45.1	45.2	
12	22.4	26.7	30.8	35.3	37.2	40.5	41.8	42.8	44.7	45.3	45.3	45.4	45.5	45.5	45.7	
13	23.9	28.5	32.5	37.1	38.9	42.3	43.6	44.6	46.7	47.3	47.4	47.5	47.6	47.6	47.8	
14	24.9	29.5	33.7	38.3	40.2	43.7	45.0	46.2	48.4	48.9	49.0	49.1	49.2	49.3	49.4	
15	27.4	32.2	36.7	41.5	43.4	46.9	48.4	49.6	51.7	52.4	52.5	52.6	52.7	52.8	52.9	
16	30.6	35.9	40.6	45.6	47.5	51.4	53.0	54.3	56.6	57.3	57.4	57.5	57.6	57.7	57.8	
17	34.0	39.9	45.4	50.9	53.1	57.3	59.2	60.8	63.2	63.8	63.9	63.9	63.9	64.0	64.1	
18	35.3	41.4	47.4	53.2	55.4	59.7	61.5	62.9	65.2	66.0	66.2	66.3	66.6	66.7	66.8	
20	38.0	43.2	51.7	57.5	60.0	64.6	66.5	67.9	70.5	71.4	71.8	72.1	72.1	72.2	72.4	
22	41.1	49.3	56.7	63.1	66.0	71.4	73.8	75.4	78.3	79.4	79.9	80.2	80.3	80.4	80.5	
25	41.3	50.3	58.2	65.1	68.3	73.8	76.6	78.3	81.3	82.5	83.0	83.3	83.4	83.4	83.6	
30	41.5	50.7	59.0	66.0	69.4	75.0	78.0	79.9	83.0	84.3	84.8	85.1	85.2	85.3	85.4	
35	41.8	51.4	60.0	67.8	71.3	77.1	80.4	82.5	85.8	87.4	88.0	88.4	88.5	88.6	88.7	
40	42.4	52.3	61.0	69.4	73.1	79.1	82.5	84.9	88.4	90.4	91.2	91.6	91.8	91.9	92.0	
45	42.5	52.4	61.1	69.5	73.4	79.6	83.4	85.9	89.6	91.9	92.7	93.1	93.3	93.5	93.7	
50	42.5	52.5	61.3	69.9	73.9	80.1	84.1	86.7	90.7	93.1	93.9	94.3	94.7	94.8	94.9	
60	42.5	52.9	61.8	70.0	74.1	80.7	85.1	87.9	92.4	94.9	95.9	96.4	97.1	97.2	97.4	
70	42.5	52.9	61.8	70.0	74.1	80.9	85.4	88.4	93.2	96.2	97.1	97.7	98.6	98.7	98.9	
80	42.5	52.9	61.8	70.0	74.1	80.9	85.5	88.5	93.3	96.3	97.3	97.9	98.8	98.9	99.2	
90	42.5	52.9	61.8	70.0	74.1	80.9	85.5	88.5	93.4	96.4	97.5	98.0	98.9	99.1	99.4	
100	42.5	52.9	61.8	70.0	74.1	80.9	85.5	88.5	93.4	96.4	97.5	98.0	98.9	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 1425

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

13.9	16.7	19.6	22.2	23.5	25.2	26.0	26.5	27.4	27.7	27.7	27.7	27.8	27.8	27.8
20.5	23.9	27.2	30.5	32.4	34.8	35.9	36.6	37.6	38.0	38.0	38.0	38.1	38.1	38.1
20.6	24.0	27.2	30.5	32.4	34.8	36.0	36.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1
20.9	24.3	27.5	30.8	32.7	35.1	36.2	36.9	38.0	38.3	38.3	38.3	38.4	38.4	38.4
21.1	24.5	27.7	31.1	33.0	35.4	36.5	37.2	38.3	38.6	38.6	38.6	38.7	38.7	38.7
21.6	25.1	28.4	32.1	34.0	36.5	37.6	38.3	39.4	39.7	39.7	39.7	39.8	39.8	39.8
22.5	26.1	29.7	33.4	35.3	37.9	39.1	39.8	40.9	41.2	41.2	41.2	41.3	41.3	41.3
23.4	27.0	30.7	34.5	36.4	39.2	40.4	41.2	42.3	42.7	42.7	42.7	42.8	42.8	42.8
24.3	27.9	31.8	36.0	37.9	40.7	42.3	43.0	44.4	44.7	44.7	44.7	44.8	44.8	44.8
25.6	29.4	33.3	37.8	40.0	42.9	44.6	45.3	46.7	47.1	47.1	47.1	47.1	47.1	47.1
26.6	30.5	34.6	39.3	41.6	44.6	46.3	47.0	48.4	48.7	48.7	48.7	48.8	48.8	48.8
28.3	32.3	36.4	41.2	43.5	46.6	48.4	49.1	50.5	50.8	50.8	50.8	50.9	50.9	50.9
29.5	33.4	37.5	42.2	44.6	47.6	49.4	50.1	51.5	52.0	52.0	52.0	52.1	52.1	52.1
30.7	35.0	39.3	44.0	46.3	49.5	51.4	52.2	53.7	54.1	54.2	54.3	54.4	54.4	54.4
32.3	36.8	41.2	46.1	48.5	51.8	53.7	54.5	56.0	56.5	56.6	56.7	56.8	56.8	56.8
36.1	41.1	45.6	51.1	53.4	56.8	58.8	59.6	61.2	61.6	61.7	61.9	61.9	61.9	61.9
38.5	44.2	49.1	55.0	57.4	61.0	62.9	63.8	65.4	65.8	65.9	66.1	66.2	66.2	66.2
41.5	47.3	52.8	59.1	61.5	65.1	67.3	68.5	70.0	70.4	70.6	70.8	70.9	70.9	70.9
42.5	48.6	54.6	61.2	63.8	67.4	69.7	71.0	72.5	73.0	73.1	73.3	73.4	73.4	73.4
44.2	50.5	56.5	63.6	66.3	70.4	72.9	74.2	75.7	76.2	76.3	76.5	76.6	76.6	76.6
45.8	53.5	60.4	68.2	70.7	75.4	78.4	79.7	81.6	82.3	82.4	82.7	82.7	82.7	82.7
46.4	54.9	62.2	70.4	73.5	78.4	81.5	83.3	85.5	86.3	86.4	86.7	86.7	86.7	86.7
46.6	55.2	62.5	71.2	74.3	79.4	82.9	84.8	87.2	88.1	88.2	88.4	88.5	88.5	88.5
47.0	55.6	63.3	72.4	75.6	81.8	84.4	86.7	89.4	90.4	90.5	90.7	90.8	90.8	90.8
47.1	55.7	63.7	73.3	76.9	82.3	85.5	87.9	90.7	92.1	92.2	92.4	92.5	92.5	92.5
47.1	56.0	63.9	73.7	77.5	82.7	86.2	88.6	91.9	93.5	93.7	94.0	94.2	94.2	94.2
47.1	56.2	64.3	74.2	78.1	83.6	87.0	89.2	93.4	95.2	95.4	95.7	96.0	96.2	96.2
47.1	56.2	64.3	74.2	78.2	83.8	88.2	91.2	94.7	96.6	96.9	97.3	97.7	97.7	97.7
47.1	56.2	64.3	74.2	78.2	83.8	88.3	91.3	95.1	97.1	97.6	98.1	98.4	98.7	98.8
47.1	56.2	64.3	74.2	78.2	83.8	88.3	91.3	95.2	97.1	97.6	98.1	98.5	98.9	99.3
47.1	56.2	64.3	74.2	78.2	83.8	88.3	91.3	95.2	97.1	97.6	98.1	98.5	99.1	99.4
47.1	56.2	64.3	74.2	78.2	83.8	88.3	91.3	95.2	97.1	97.6	98.1	98.5	99.1	2100 C

TOTAL NUMBER OF OBSERVATIONS 1424

USAF ETAC [illegible] OCT 65 O-A [illegible] WILL BE OBSOLETE

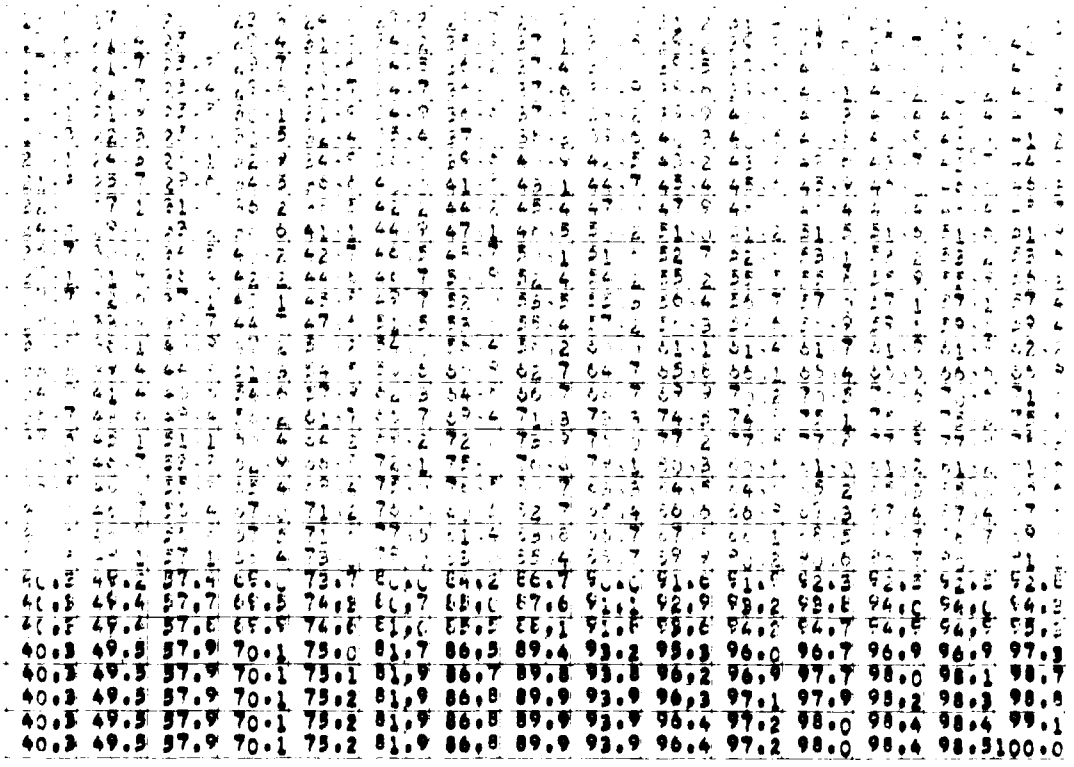
DATA PROCESSING PRA...M
USAF ETAC
AIR WEATHER SERVICE/ AC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GER (AF) [illegible] -E-

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS



TOTAL NUMBER OF OBSERVATIONS 1274

USAF ETAC [illegible] 0-145 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 34-08 FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

16.5	19.8	23.9	28.4	30.7	33.6	34.8	36.3	37.4	37.8	38.0	38.0	38.3	38.3	38.9
18.9	22.4	27.2	32.2	35.0	38.0	39.1	40.9	41.9	42.3	42.4	42.6	42.9	42.9	43.5
19.1	22.6	27.4	32.4	35.2	38.2	39.4	41.2	42.1	42.5	42.7	42.8	43.1	43.1	43.7
19.1	22.6	27.5	32.5	35.3	38.3	39.4	41.3	42.2	42.6	42.8	42.9	43.2	43.2	43.8
19.4	22.8	27.7	32.8	35.5	38.5	39.7	41.5	42.4	42.8	43.0	43.1	43.5	43.5	44.0
19.8	23.3	28.2	33.2	36.1	39.1	40.3	42.1	43.1	43.5	43.6	43.8	44.1	44.1	44.6
20.5	24.2	29.3	34.6	37.6	40.6	41.8	43.6	44.7	45.2	45.4	45.5	45.8	45.8	46.4
21.0	24.9	30.1	35.8	38.7	42.2	43.5	45.3	46.4	46.9	47.0	47.2	47.5	47.5	48.0
22.1	26.2	31.6	37.4	40.3	44.1	45.7	47.6	48.7	49.1	49.3	49.4	49.8	49.8	50.3
23.6	27.9	33.9	39.9	43.1	47.2	49.0	50.9	52.1	52.6	52.8	52.9	53.2	53.3	53.9
25.4	30.1	36.1	42.5	45.9	49.8	51.6	53.5	54.7	55.2	55.4	55.5	55.8	55.9	56.5
26.5	31.2	37.3	43.9	47.4	51.4	53.2	55.1	56.4	56.9	57.1	57.2	57.7	57.8	58.3
27.2	32.1	38.3	45.0	48.8	52.9	54.7	56.6	57.9	58.3	58.6	58.8	59.2	59.3	59.8
28.7	33.6	40.2	46.9	50.7	54.9	56.9	58.8	60.1	60.6	60.8	61.0	61.4	61.5	62.0
29.9	35.0	41.7	49.1	53.1	57.3	59.4	61.3	62.6	63.1	63.3	63.5	63.9	64.0	64.6
31.3	36.7	43.5	52.0	56.1	60.5	62.6	64.6	65.8	66.4	66.6	66.9	67.2	67.3	67.9
32.4	38.0	45.3	54.4	58.7	63.5	65.8	67.9	69.2	69.8	70.0	70.2	70.6	70.7	71.3
33.6	39.9	47.6	57.6	62.1	67.2	69.6	71.8	73.1	73.7	73.9	74.2	74.6	74.6	75.2
34.2	40.6	48.3	58.9	63.5	68.6	71.1	73.3	74.6	75.2	75.4	75.7	76.1	76.1	76.7
35.3	41.9	50.0	60.8	65.4	70.7	73.2	75.5	77.1	77.6	77.9	78.1	78.6	78.7	79.2
36.3	43.3	52.4	64.0	68.7	74.4	76.9	79.3	81.1	81.8	82.0	82.3	82.8	82.9	83.5
36.7	44.0	53.2	65.2	70.1	76.1	78.7	81.1	83.1	83.8	84.0	84.3	84.9	85.0	85.5
37.0	44.3	54.1	66.4	71.3	77.4	80.0	82.5	84.5	85.2	85.4	85.7	86.3	86.4	86.9
37.0	44.6	54.6	67.0	72.3	78.4	82.0	84.8	86.8	87.5	87.7	88.0	88.6	88.7	89.2
37.2	44.9	55.1	68.0	73.6	80.8	83.5	86.3	88.4	89.2	89.4	89.7	90.3	90.4	90.9
37.2	45.0	55.4	68.4	74.2	81.7	84.6	87.6	90.0	90.8	91.0	91.3	91.9	92.0	92.5
37.3	45.2	55.7	69.2	75.0	82.8	85.8	88.8	91.6	92.6	93.1	93.3	93.9	94.0	94.6
37.3	45.2	55.7	69.2	75.0	83.0	86.1	89.3	92.3	93.6	93.9	94.3	94.9	95.0	95.5
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.4	93.6	95.0	95.5	96.0	97.0	97.1	97.6
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.5	93.9	95.3	95.7	96.2	97.2	97.3	98.2
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.5	93.9	95.4	95.9	96.4	97.4	97.6	98.7
37.3	45.2	55.7	69.2	75.4	83.7	87.2	90.5	93.9	95.4	95.9	96.4	97.6	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1270

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-68 YAR 0000-0200

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

22.7	27.1	31.8	36.1	38.3	40.7	41.4	41.9	42.1	42.2	42.2	42.3	42.4	42.4	42.9
25.6	30.7	35.8	40.9	43.3	46.0	46.7	47.2	47.4	47.5	47.5	47.6	47.7	47.7	48.2
25.6	30.7	35.8	40.9	43.3	46.0	46.7	47.2	47.4	47.5	47.5	47.6	47.7	47.7	48.2
25.6	30.7	35.8	40.9	43.3	46.0	46.7	47.2	47.4	47.5	47.5	47.6	47.7	47.7	48.2
25.9	31.1	36.3	41.6	44.0	46.7	47.4	47.9	48.1	48.2	48.2	48.3	48.5	48.5	49.0
26.5	31.9	37.1	42.4	44.8	47.5	48.2	48.7	48.9	49.0	49.0	49.1	49.2	49.2	49.7
27.3	32.8	38.2	43.7	46.2	48.9	49.5	50.0	50.3	50.4	50.4	50.5	50.6	50.6	51.1
28.2	33.7	39.1	44.8	47.5	50.3	50.9	51.5	51.7	51.8	51.8	51.9	52.0	52.0	52.5
29.7	35.3	40.8	46.7	49.4	52.1	52.8	53.3	53.5	53.7	53.7	53.8	53.9	53.9	54.5
32.0	38.1	43.7	49.7	52.6	55.4	56.1	56.8	57.1	57.3	57.3	57.4	57.6	57.6	58.1
34.1	40.3	45.8	52.1	55.1	58.1	58.8	59.5	59.7	60.0	60.0	60.1	60.2	60.2	60.8
35.6	42.7	48.5	55.1	58.1	61.1	61.9	62.6	62.8	63.1	63.1	63.2	63.3	63.3	63.9
36.7	43.9	50.0	57.1	60.4	63.5	64.3	65.1	65.3	65.6	65.6	65.7	65.8	65.8	66.6
38.4	46.0	52.3	59.7	63.2	66.4	67.2	68.0	68.2	68.5	68.5	68.5	68.7	68.7	69.5
39.9	47.7	54.3	61.9	65.4	68.7	69.5	70.3	70.5	70.8	70.8	70.9	71.0	71.0	71.8
41.1	49.5	57.1	64.8	68.6	72.1	73.0	73.8	74.0	74.3	74.3	74.3	74.5	74.5	75.3
43.3	52.0	59.7	68.2	72.1	75.7	76.6	77.3	77.6	77.8	77.8	77.9	78.1	78.1	78.9
45.7	54.9	63.1	72.0	76.3	80.1	80.9	81.8	82.0	82.4	82.4	82.4	82.6	82.6	83.4
45.8	55.2	63.6	72.6	77.0	80.9	81.9	82.8	83.0	83.4	83.4	83.4	83.6	83.6	84.4
46.9	56.8	65.8	74.9	79.4	83.3	84.4	85.4	85.6	85.9	85.9	86.0	86.2	86.2	87.0
47.8	58.3	68.7	78.1	82.7	86.9	88.1	89.0	89.4	89.7	89.7	89.9	90.0	90.0	90.8
48.3	59.4	70.1	79.7	84.4	88.7	90.0	91.0	91.3	91.7	91.7	91.8	92.0	92.0	92.8
48.5	59.6	70.6	80.4	85.1	89.3	90.8	91.8	92.1	92.5	92.5	92.6	92.8	92.8	93.6
48.6	59.7	71.0	81.3	86.2	90.7	91.9	92.9	93.3	93.6	93.6	93.8	94.0	94.0	94.8
48.8	60.0	71.6	82.2	87.2	92.0	93.2	94.3	94.7	95.1	95.1	95.2	95.4	95.4	96.3
49.0	60.6	72.3	82.9	88.2	93.3	94.5	95.6	96.0	96.3	96.3	96.5	96.7	96.7	97.6
49.0	60.6	72.3	83.2	88.5	94.0	95.2	96.3	96.7	97.1	97.1	97.2	97.4	97.4	98.3
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.3	96.9	97.6	97.6	97.7	98.0	98.0	98.9
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.2	98.5	98.5	99.4
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.2	98.6	98.6	99.4
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.3	98.8	98.8	99.8
49.0	60.6	72.3	83.3	88.6	94.1	95.3	96.6	97.3	98.1	98.1	98.3	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 54-72 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

19.2	22.7	27.3	32.0	33.7	37.1	38.2	38.7	39.5	39.7	39.9	39.9	40.3	40.5	41.1
21.5	25.5	30.2	35.1	36.9	40.5	41.6	42.2	43.0	43.3	43.4	43.4	43.9	44.0	44.6
21.5	25.5	30.2	35.1	36.9	40.5	41.7	42.3	43.1	43.3	43.5	43.5	43.9	44.1	44.7
21.5	25.5	30.2	35.1	36.9	40.5	41.7	42.3	43.1	43.3	43.5	43.5	43.9	44.1	44.7
21.5	25.5	30.2	35.3	37.1	40.7	41.9	42.5	43.3	43.6	43.7	43.7	44.2	44.4	45.0
21.6	25.6	30.3	35.5	37.3	41.0	42.2	42.8	43.6	43.9	44.0	44.0	44.5	44.6	45.2
22.1	26.1	31.0	36.3	38.1	41.9	43.2	43.8	44.6	45.0	45.1	45.1	45.6	45.7	46.3
22.7	26.8	31.8	37.3	39.3	43.2	44.5	45.1	45.9	46.3	46.4	46.4	46.9	47.0	47.6
24.2	28.4	33.4	39.0	41.0	45.2	46.5	47.1	47.9	48.2	48.4	48.4	48.8	49.0	49.8
26.1	30.7	35.8	41.5	43.7	48.0	49.3	49.9	50.7	51.3	51.4	51.4	51.9	52.0	52.9
27.3	32.1	37.1	43.0	45.5	49.9	51.2	51.8	52.7	53.2	53.3	53.3	53.8	53.9	54.8
29.0	34.2	39.7	45.8	48.5	53.1	54.4	55.1	56.0	56.5	56.7	56.7	57.2	57.3	58.2
29.5	34.9	40.4	46.5	49.7	54.6	56.1	56.7	57.6	58.2	58.4	58.4	58.8	59.0	59.9
30.9	36.5	42.9	49.3	52.7	57.6	59.2	59.9	60.7	61.3	61.5	61.5	62.0	62.1	63.0
32.4	38.5	45.6	52.2	55.9	60.9	62.5	63.2	64.1	64.6	64.8	64.8	65.3	65.4	66.3
33.7	40.4	47.9	54.6	58.7	63.9	65.5	66.2	67.1	67.6	67.8	67.8	68.3	68.4	69.3
35.6	43.1	51.2	58.2	62.7	68.0	69.7	70.3	71.2	71.8	72.0	72.0	72.4	72.6	73.5
38.0	46.4	55.2	62.7	67.1	72.7	74.3	75.0	75.9	76.4	76.7	76.7	77.1	77.3	78.2
38.7	47.8	56.8	64.3	69.1	74.8	76.5	77.1	78.0	78.6	78.8	78.8	79.3	79.5	80.3
39.5	49.2	58.3	66.1	71.2	76.9	78.6	79.3	80.2	80.7	81.0	81.0	81.6	81.7	82.6
41.0	52.0	62.2	70.6	75.8	81.8	83.5	84.2	85.2	85.7	86.0	86.0	86.5	86.7	87.6
41.2	52.9	63.1	71.8	77.1	83.2	85.1	85.8	86.8	87.3	87.6	87.6	88.2	88.3	89.2
41.8	53.8	63.9	73.0	78.3	85.0	86.7	87.4	88.4	89.0	89.3	89.3	89.8	89.9	90.8
42.4	54.4	65.3	74.6	80.4	87.1	89.0	89.8	90.9	91.4	91.7	91.8	92.3	92.4	93.3
42.5	54.9	66.0	76.0	82.0	89.2	91.1	91.8	93.0	93.5	93.9	93.9	94.5	94.6	95.5
42.6	55.1	66.2	76.3	82.7	89.9	91.9	92.7	93.8	94.4	94.7	94.8	95.2	95.4	96.3
42.7	55.2	66.3	76.4	82.8	90.4	92.5	93.3	94.4	95.1	95.4	95.5	96.1	96.3	97.1
42.7	55.2	66.3	76.5	83.0	90.6	92.7	93.5	94.8	95.6	95.9	96.0	96.6	96.7	97.6
42.7	55.2	66.3	76.5	83.1	90.8	93.1	93.8	95.4	96.3	96.6	96.7	97.3	97.4	98.3
42.7	55.2	66.3	76.5	83.2	91.0	93.3	94.1	95.7	96.7	97.1	97.2	97.8	98.0	99.0
42.7	55.2	66.3	76.5	83.2	91.0	93.3	94.1	95.8	96.9	97.3	97.4	98.0	98.2	99.4
42.7	55.2	66.3	76.5	83.2	91.0	93.3	94.1	95.8	96.9	97.3	97.6	98.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1470

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

14.3	17.0	20.6	24.9	26.1	28.3	29.6	30.1	31.6	32.6	32.8	33.1	33.4	33.4	33.8
16.8	19.9	23.9	28.3	29.6	31.9	33.5	34.1	35.7	36.9	37.1	37.2	37.6	37.8	38.3
16.8	20.0	23.9	28.4	29.7	32.0	33.6	34.2	35.7	37.0	37.2	37.6	37.8	37.9	38.3
16.8	20.0	23.9	28.4	29.7	32.0	33.6	34.2	35.7	37.0	37.2	37.6	37.8	37.9	38.2
16.9	20.1	24.1	28.6	29.9	32.2	33.9	34.5	36.0	37.3	37.6	38.0	38.2	38.3	38.7
17.1	20.3	24.3	28.9	30.3	32.6	34.2	34.8	36.4	37.8	38.1	38.4	38.7	38.8	39.2
18.4	21.9	25.9	30.6	32.0	34.3	36.0	36.6	38.2	39.6	40.1	40.4	40.7	40.7	41.2
18.9	22.4	26.5	31.2	32.6	35.0	36.8	37.5	39.3	40.7	41.2	41.6	41.8	41.9	42.4
20.4	24.1	28.2	33.1	34.7	37.2	39.1	39.8	41.6	43.0	43.5	43.9	44.2	44.3	45.0
21.2	25.2	29.6	34.8	36.6	39.3	41.3	42.1	44.0	45.7	46.1	46.5	46.8	46.9	47.6
21.9	26.1	30.7	36.5	38.3	41.2	43.2	44.0	46.0	47.6	48.1	48.5	48.8	48.9	49.6
23.0	27.5	32.4	38.4	40.3	43.3	45.5	46.3	48.4	50.1	50.6	51.1	51.4	51.5	52.2
23.7	28.2	33.4	39.5	41.4	44.7	47.1	48.1	50.2	51.8	52.4	52.8	53.1	53.2	54.0
25.0	29.8	35.3	41.7	43.7	47.1	49.7	50.9	53.0	54.7	55.2	55.7	56.0	56.1	56.8
26.1	31.4	37.5	44.2	46.3	49.9	52.9	54.2	56.4	58.0	58.6	59.0	59.3	59.4	60.2
28.4	34.0	41.1	48.2	50.5	54.3	57.3	58.7	61.2	62.8	63.4	63.8	64.2	64.3	65.0
30.1	36.0	43.4	51.4	53.9	58.1	61.1	62.6	65.2	66.8	67.3	67.8	68.1	68.3	69.0
31.7	38.4	46.3	55.0	57.5	61.9	65.1	66.6	69.3	70.9	71.4	71.9	72.3	72.4	73.2
32.2	39.1	47.5	56.3	59.1	63.6	66.8	68.3	71.0	72.6	73.2	73.7	74.1	74.2	75.0
33.4	40.9	49.7	59.1	62.2	66.7	69.9	71.5	74.3	76.0	76.6	77.1	77.5	77.6	78.4
35.1	43.4	53.0	63.0	66.3	71.4	74.8	76.6	79.5	81.2	81.8	82.3	82.7	82.9	83.6
35.5	44.2	54.2	64.7	68.2	73.7	77.2	79.1	82.1	83.9	84.5	85.0	85.4	85.5	86.3
35.7	44.8	55.2	66.0	69.6	75.4	78.9	80.9	83.9	85.7	86.3	86.9	87.3	87.5	88.2
36.2	45.4	56.0	67.4	71.1	77.3	81.2	83.1	86.2	88.0	88.6	89.3	89.7	89.8	90.6
36.4	45.7	56.9	68.4	72.3	78.8	82.9	84.8	88.1	89.9	90.6	91.2	91.7	91.8	92.6
36.4	45.8	57.1	68.8	72.9	79.7	83.9	85.9	89.3	91.3	91.9	92.6	93.0	93.2	94.0
36.4	45.9	57.4	69.3	73.6	80.6	85.2	87.3	90.9	93.0	93.7	94.3	94.8	95.0	95.8
36.4	46.0	57.5	69.5	73.9	81.1	85.7	88.0	91.7	93.9	94.5	95.2	95.8	96.0	96.8
36.4	46.0	57.5	69.7	74.0	81.4	86.3	89.1	93.0	95.3	96.0	96.7	97.4	97.5	98.4
36.4	46.0	57.5	69.7	74.1	81.6	86.7	89.3	93.2	95.5	96.2	97.1	97.9	98.0	99.4
36.4	46.0	57.5	69.7	74.1	81.6	86.7	89.3	93.2	95.5	96.3	97.1	97.9	98.0	99.4
36.4	46.0	57.5	69.7	74.1	81.6	86.7	89.3	93.2	95.5	96.3	97.1	98.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 1010

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34C56 SEMBACH AB GERMANY 54-72 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

14.4	17.5	21.5	24.0	25.4	26.9	28.2	28.9	29.7	29.8	29.8	29.8	30.0	30.0	30.0	
18.8	22.4	27.2	30.0	31.6	33.4	34.8	35.5	36.5	36.7	36.7	36.7	36.9	36.9	37.0	
18.8	22.4	27.2	30.0	31.6	33.4	34.8	35.5	36.5	36.7	36.7	36.7	36.9	36.9	37.0	
18.9	22.4	27.2	30.1	31.7	33.5	34.9	35.6	36.6	36.8	36.8	36.8	37.0	37.0	37.0	
19.1	22.7	27.5	30.5	32.1	34.0	35.4	36.2	37.2	37.3	37.3	37.3	37.5	37.5	37.6	
19.6	23.3	28.2	31.1	32.9	34.7	36.2	36.9	37.9	38.1	38.1	38.1	38.3	38.3	38.4	
20.9	24.6	29.5	32.6	34.5	36.3	37.8	38.6	39.8	40.0	40.0	40.0	40.2	40.2	40.2	
21.2	25.1	30.2	33.3	35.2	37.1	38.7	39.5	40.7	40.9	40.9	40.9	41.1	41.1	41.2	
22.5	26.9	32.1	35.4	37.3	39.4	41.1	41.9	43.2	43.5	43.6	43.6	43.8	43.8	43.8	
23.8	28.2	34.1	37.6	40.0	42.4	44.2	45.2	46.6	46.9	46.9	46.9	47.1	47.1	47.2	
24.3	29.2	35.4	39.2	41.7	44.1	46.0	47.1	48.4	48.7	48.8	48.8	49.0	49.0	49.0	
25.0	30.0	36.3	40.4	43.1	45.6	47.6	48.7	50.0	50.3	50.4	50.4	50.6	50.6	50.7	
25.3	30.5	37.0	41.2	44.0	46.7	48.6	49.8	51.1	51.5	51.5	51.5	51.7	51.7	51.8	
26.2	31.8	38.4	42.8	45.7	48.5	50.5	51.8	53.2	53.6	53.7	53.7	53.9	53.9	53.9	
27.4	33.0	40.1	44.8	48.0	51.1	53.2	54.5	56.0	56.3	56.4	56.4	56.6	56.6	56.7	
29.2	35.5	42.9	48.2	51.6	54.8	57.0	58.3	59.8	60.3	60.4	60.4	60.6	60.6	60.6	
31.7	38.5	46.4	52.2	55.7	59.1	61.5	63.0	64.8	65.3	65.3	65.3	65.5	65.5	65.6	
33.8	41.2	50.0	56.3	59.9	63.4	66.0	67.6	69.3	70.0	70.0	70.0	70.2	70.2	70.3	
34.7	42.2	51.4	57.8	61.6	65.1	67.8	69.3	71.1	71.8	71.8	71.8	72.0	72.0	72.1	
36.3	44.3	54.4	61.2	65.1	68.7	71.5	73.1	75.2	76.0	76.1	76.1	76.3	76.3	76.3	
38.6	48.0	58.8	66.4	71.0	75.1	78.1	79.9	82.0	82.9	83.0	83.0	83.2	83.2	83.2	
39.3	49.1	60.5	68.8	73.6	78.1	81.2	83.1	85.4	86.3	86.3	86.3	86.5	86.5	86.6	
39.4	49.3	61.7	70.5	75.4	79.9	83.3	85.4	87.8	88.7	88.8	88.8	89.0	89.0	89.0	
39.8	50.2	63.1	72.3	77.2	82.3	85.8	88.0	90.7	91.5	91.6	91.6	91.9	91.9	92.0	
40.1	50.7	63.8	73.5	78.7	83.8	87.4	89.7	92.6	93.6	93.7	93.7	94.0	94.0	94.1	
40.2	50.8	64.4	74.3	79.6	85.0	88.7	91.1	94.1	95.2	95.4	95.5	95.8	95.8	95.9	
40.2	50.9	64.5	74.6	79.9	85.5	89.3	91.8	95.0	96.2	96.4	96.5	96.8	96.8	96.8	
40.2	51.0	64.6	74.8	80.2	86.1	89.9	92.8	95.8	97.0	97.3	97.5	97.8	97.8	97.8	
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.5	97.8	98.1	98.4	98.4	98.5	
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.9	98.3	98.6	99.1	99.1	99.4	
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.9	98.3	98.6	99.1	99.2	99.7	
40.2	51.0	64.6	74.8	80.2	86.1	90.0	92.7	96.2	97.9	98.3	98.6	99.1	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1015

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY 54-72 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

18.6	22.7	25.7	27.9	28.6	29.1	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
24.6	30.0	33.6	36.7	37.5	38.0	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
24.6	30.0	33.6	36.7	37.5	38.0	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
24.9	30.3	33.9	37.0	37.9	38.4	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
25.2	30.6	34.2	37.4	38.2	38.7	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
25.5	31.0	34.7	37.9	38.7	39.2	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
26.4	32.0	35.7	39.0	39.8	40.3	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
27.3	32.9	36.8	40.0	40.8	41.5	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
28.3	34.1	38.1	41.3	42.2	42.8	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
29.6	35.6	39.9	43.6	44.5	45.2	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
30.1	36.4	40.9	44.7	45.6	46.3	46.8	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
31.0	37.5	42.3	46.3	47.2	47.9	48.3	48.6	48.6	48.6	48.6	48.6	48.7	48.7	48.7
31.6	38.3	43.2	47.2	48.2	48.9	49.4	49.6	49.7	49.7	49.7	49.7	49.8	49.8	49.8
33.3	40.2	45.3	49.4	50.4	51.3	51.7	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.3
35.5	42.6	48.2	52.4	53.6	54.5	54.9	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
40.1	47.9	53.5	58.0	59.5	60.5	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6
44.7	53.4	60.0	64.9	66.6	67.7	68.4	68.8	69.0	69.0	69.0	69.0	69.1	69.1	69.1
49.8	59.1	67.0	72.4	74.2	75.3	76.1	76.6	76.9	76.9	76.9	76.9	77.0	77.0	77.0
51.5	61.6	69.7	75.4	77.2	78.3	79.2	79.7	80.0	80.0	80.0	80.0	80.1	80.1	80.1
54.1	64.9	73.7	80.1	81.9	83.0	83.9	84.5	84.8	84.8	84.9	84.9	84.9	84.9	84.9
55.9	67.3	76.7	83.7	86.0	87.2	88.4	88.9	89.4	89.4	89.4	89.4	89.5	89.5	89.5
56.6	68.3	77.8	85.2	87.7	89.0	90.2	90.8	91.3	91.3	91.4	91.5	91.6	91.6	91.7
57.0	68.8	78.4	85.9	88.4	91.0	92.4	93.0	93.7	93.7	93.7	93.9	94.0	94.0	94.1
57.1	69.2	80.0	86.1	90.8	92.6	94.1	94.7	95.3	95.5	95.6	95.7	95.8	95.8	95.9
57.2	69.4	80.3	86.7	91.5	93.5	95.1	95.8	96.6	96.6	96.8	96.8	96.9	96.9	97.0
57.2	69.4	80.3	86.9	91.8	93.8	95.4	96.1	97.0	97.1	97.3	97.4	97.6	97.6	97.6
57.2	69.4	80.4	86.9	92.0	94.1	95.5	96.8	97.6	97.9	98.2	98.3	98.4	98.4	98.5
57.2	69.4	80.4	86.9	92.0	94.1	95.6	96.9	97.8	98.1	98.4	98.6	98.8	98.8	98.9
57.2	69.4	80.4	86.9	92.0	94.1	95.6	96.9	97.9	98.2	98.5	98.7	99.1	99.3	99.3
57.2	69.4	80.4	86.9	92.0	94.1	95.6	96.9	98.0	98.3	98.6	98.8	99.2	99.4	99.5
57.2	69.4	80.4	86.9	92.0	94.1	95.6	96.9	98.0	98.3	98.6	98.8	99.2	99.4	99.5
57.2	69.4	80.4	86.9	92.0	94.1	95.6	96.9	98.0	98.3	98.6	98.8	99.2	99.4	99.5

TOTAL NUMBER OF OBSERVATIONS 160

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 56-72

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

32.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	24.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	24.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	41.2	[illegible]	41.5	[illegible]	[illegible]	[illegible]	[illegible]	41.7	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	42.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	41.[illegible]	[illegible]	[illegible]	44.5	44.[illegible]	44.7	44.7	44.7	44.7	[illegible]	[illegible]	[illegible]	[illegible]
36.4	[illegible]	42.[illegible]	[illegible]	45.4	45.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38.1	[illegible]	44.4	46.7	47.3	47.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	43.3	47.2	[illegible]	[illegible]	51.2	51.3	51.4	51.4	51.4	51.4	51.5	[illegible]	51.5	[illegible]
[illegible]	44.[illegible]	45.[illegible]	[illegible]	52.[illegible]	53.3	53.4	53.4	53.4	53.4	53.4	53.5	[illegible]	[illegible]	[illegible]
42.0	47.6	51.5	54.6	55.4	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4
43.3	48.6	52.9	56.1	57.0	57.7	57.9	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0
46.2	52.1	56.6	59.9	60.8	61.6	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9
49.8	56.0	61.1	64.9	65.8	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
54.1	61.1	66.8	71.0	72.0	72.9	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
57.9	65.3	71.7	76.2	77.3	78.3	78.5	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7
61.0	69.4	76.3	81.2	82.4	83.4	83.6	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0
62.1	70.8	78.0	82.9	84.1	85.3	85.5	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0
63.4	72.6	80.1	85.4	86.6	87.8	88.1	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
64.7	74.4	82.6	88.2	89.6	91.0	91.4	91.6	91.9	91.9	92.0	92.1	92.1	92.1	92.1
65.1	74.9	83.2	89.1	90.7	92.2	92.7	92.9	93.3	93.4	93.4	93.5	93.5	93.5	93.5
65.4	75.4	83.9	89.9	91.4	93.1	93.7	94.0	94.4	94.5	94.7	94.7	94.7	94.7	94.7
65.4	75.6	84.9	90.9	92.3	94.2	94.9	95.2	95.7	96.0	96.2	96.2	96.2	96.2	96.2
65.5	75.7	85.2	91.4	92.9	94.9	95.7	96.0	96.5	96.8	97.0	97.1	97.1	97.1	97.1
65.5	75.7	85.4	91.7	93.2	95.4	96.2	96.5	97.1	97.5	97.6	97.7	97.8	97.8	97.8
65.5	75.7	85.4	91.7	93.3	95.5	96.5	96.9	97.5	98.1	98.3	98.3	98.5	98.5	98.5
65.5	75.7	85.4	91.7	93.3	95.5	96.5	97.0	97.8	98.7	99.0	99.1	99.3	99.3	99.3
65.5	75.7	85.4	91.7	93.3	95.5	96.6	97.1	98.0	98.9	99.3	99.5	99.8	99.8	99.8
65.5	75.7	85.4	91.7	93.3	95.5	96.6	97.1	98.0	99.0	99.4	99.5	99.9	99.9	100.0
65.5	75.7	85.4	91.7	93.3	95.5	96.6	97.1	98.0	99.0	99.4	99.5	99.9	99.9	100.0
65.5	75.7	85.4	91.7	93.3	95.5	96.6	97.1	98.0	99.0	99.4	99.5	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1611

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-69 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

22.5	26.1	28.8	31.7	33.0	33.4	33.6	33.6	33.7	33.9	33.9	34.0	34.1	34.1	34.1
30.1	34.3	37.6	41.1	42.7	43.2	43.5	43.5	43.6	43.8	43.8	43.8	44.0	44.0	44.0
30.1	34.3	37.6	41.1	42.7	43.2	43.5	43.5	43.6	43.8	43.8	43.8	44.0	44.0	44.0
30.2	34.3	37.6	41.1	42.8	43.3	43.6	43.6	43.6	43.8	43.8	43.9	44.1	44.1	44.1
30.8	34.9	38.2	41.7	43.3	43.8	44.1	44.1	44.2	44.4	44.4	44.5	44.6	44.6	44.6
31.4	35.7	39.1	42.8	44.4	44.9	45.2	45.2	45.3	45.5	45.5	45.6	45.7	45.7	45.7
33.2	37.9	41.3	43.4	47.1	47.6	47.9	47.9	48.0	48.2	48.2	48.3	48.4	48.4	48.4
34.0	38.9	42.5	46.6	48.4	49.0	49.5	49.6	49.6	49.9	49.9	49.9	50.1	50.1	50.1
36.4	41.6	45.2	49.3	51.1	51.9	52.4	52.5	52.6	52.8	52.8	52.9	53.0	53.0	53.0
39.0	44.3	48.1	52.4	54.2	55.1	55.7	55.8	55.9	56.1	56.1	56.2	56.3	56.3	56.3
40.8	46.5	50.7	55.0	56.8	57.7	58.4	58.4	58.5	58.7	58.7	58.8	58.9	58.9	58.9
43.3	49.6	54.0	58.7	60.6	61.8	62.5	62.7	62.8	63.0	63.0	63.1	63.2	63.2	63.2
45.3	51.7	56.1	61.0	62.9	64.1	64.8	64.9	65.1	65.3	65.3	65.4	65.5	65.5	65.5
47.9	54.7	59.9	65.0	67.0	68.4	69.2	69.4	69.5	69.7	69.7	69.8	70.0	70.0	70.0
50.1	57.2	62.7	68.2	70.2	71.7	72.6	72.8	73.0	73.2	73.2	73.2	73.4	73.4	73.4
52.6	60.1	66.2	72.4	74.5	76.0	77.0	77.2	77.3	77.5	77.5	77.6	77.8	77.8	77.8
55.2	62.8	69.2	76.2	78.5	80.3	81.5	81.7	81.8	82.0	82.0	82.1	82.3	82.3	82.3
57.4	65.3	72.4	80.3	82.9	84.8	86.1	86.3	86.5	86.7	86.7	86.8	86.9	86.9	86.9
57.8	66.2	73.3	81.5	84.0	86.1	87.3	87.6	87.7	87.9	87.9	88.0	88.1	88.1	88.1
58.7	68.0	75.2	83.7	86.5	88.6	90.1	90.3	90.4	90.6	90.6	90.7	90.8	90.8	90.8
59.2	68.5	76.1	85.0	88.1	90.3	91.9	92.1	92.3	92.6	92.6	92.7	92.8	92.8	92.8
59.4	69.0	76.8	85.8	88.9	91.5	93.2	93.5	93.8	94.3	94.3	94.4	94.6	94.6	94.6
59.4	69.0	76.8	86.0	89.3	91.9	93.7	94.0	94.3	94.9	95.0	95.1	95.2	95.2	95.2
59.5	69.2	77.3	86.6	90.1	92.9	94.8	95.1	95.4	96.1	96.1	96.2	96.4	96.4	96.4
59.6	69.3	77.5	87.3	91.0	93.9	95.8	96.1	96.6	97.3	97.4	97.5	97.6	97.6	97.6
59.7	69.4	77.6	87.4	91.1	94.1	96.0	96.4	97.0	97.7	97.9	97.9	98.1	98.1	98.1
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.8	97.6	98.4	98.6	98.6	98.9	98.9	98.9
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.6	99.0	99.1	99.4	99.4	99.4
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.6	99.1	99.3	99.6	99.6	99.6
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.9	99.4	99.8	99.9	99.9	99.9
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.9	99.4	99.8	100.0	100.0	100.0
59.7	69.6	77.8	87.6	91.3	94.3	96.3	96.9	97.7	98.9	99.4	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1398

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-68 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

27.5	32.2	36.8	40.5	42.3	43.5	44.1	44.2	44.4	44.4	44.4	44.5	44.5	44.6	44.7
30.4	35.4	40.4	44.3	46.4	47.6	48.2	48.3	48.5	48.6	48.6	48.7	48.7	48.7	48.8
30.5	35.6	40.5	44.4	46.5	47.7	48.3	48.5	48.6	48.7	48.7	48.8	48.8	48.9	49.0
30.5	35.6	40.5	44.4	46.5	47.7	48.3	48.5	48.6	48.7	48.7	48.8	48.8	48.9	49.0
30.8	35.8	40.9	44.9	47.0	48.2	48.7	48.9	49.0	49.2	49.2	49.2	49.2	49.3	49.4
31.3	36.3	41.4	45.4	47.5	48.7	49.2	49.4	49.5	49.7	49.7	49.7	49.7	49.8	49.9
32.5	37.7	42.9	47.1	49.2	50.4	51.0	51.1	51.3	51.4	51.4	51.5	51.5	51.5	51.6
33.8	39.0	44.3	49.0	51.0	52.3	52.8	53.0	53.1	53.3	53.3	53.3	53.3	53.4	53.5
36.1	41.4	46.8	51.7	53.8	55.1	55.6	55.8	55.9	56.1	56.1	56.1	56.1	56.2	56.3
38.4	44.1	49.5	54.6	57.0	58.6	59.3	59.5	59.6	59.8	59.8	59.9	59.9	60.0	60.1
40.1	46.4	52.3	57.7	60.3	62.1	62.7	63.0	63.2	63.3	63.3	63.4	63.4	63.5	63.7
42.4	49.0	55.2	60.8	63.4	65.2	65.8	66.1	66.2	66.4	66.4	66.5	66.5	66.6	66.7
44.3	51.0	57.6	63.4	66.1	68.1	68.7	69.0	69.2	69.3	69.3	69.4	69.5	69.5	69.7
46.0	53.2	60.6	66.7	69.5	71.9	72.6	73.0	73.1	73.3	73.3	73.3	73.4	73.5	73.6
47.5	55.3	63.0	69.2	72.1	74.6	75.3	75.7	75.8	76.0	76.0	76.1	76.1	76.2	76.3
49.6	57.7	65.9	72.4	75.4	77.9	78.7	79.1	79.2	79.4	79.4	79.4	79.5	79.6	79.7
51.0	59.6	68.1	75.1	78.2	80.9	81.7	82.1	82.2	82.4	82.4	82.4	82.5	82.6	82.7
52.9	61.9	71.0	78.6	81.9	84.6	85.4	85.9	86.0	86.2	86.3	86.4	86.5	86.5	86.7
53.0	62.1	71.3	79.0	82.4	85.4	86.3	86.7	87.0	87.2	87.2	87.3	87.4	87.5	87.6
53.3	62.8	72.1	80.3	84.0	87.2	88.2	88.7	88.9	89.2	89.2	89.2	89.3	89.4	89.5
54.2	64.0	73.8	82.1	86.1	89.7	91.0	91.5	91.7	92.0	92.0	92.0	92.1	92.2	92.3
54.3	64.5	74.8	83.4	87.6	91.4	92.7	93.2	93.4	93.7	93.7	93.8	93.8	93.9	94.1
54.3	64.6	75.1	83.7	88.0	91.9	93.2	93.7	94.0	94.3	94.3	94.4	94.5	94.6	94.7
54.4	64.7	75.4	84.4	88.8	92.8	94.1	94.6	94.9	95.2	95.2	95.3	95.4	95.5	95.8
54.5	64.8	75.7	84.7	89.6	93.6	95.0	95.5	95.8	96.1	96.1	96.2	96.3	96.4	96.7
54.6	65.1	76.1	85.2	90.1	94.2	95.7	96.2	96.6	97.1	97.1	97.2	97.3	97.3	97.5
54.6	65.2	76.3	85.6	90.6	94.9	96.5	97.1	97.5	98.0	98.0	98.1	98.2	98.3	98.4
54.6	65.2	76.3	85.6	90.7	95.1	96.7	97.3	98.0	98.5	98.5	98.6	98.9	99.0	99.1
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	98.9	98.9	99.0	99.4	99.4	99.6
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	99.1	99.1	99.2	99.6	99.6	99.8
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	99.1	99.1	99.2	99.7	99.8	99.9
54.6	65.2	76.3	85.6	90.8	95.2	96.8	97.5	98.4	99.1	99.1	99.2	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1399

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY 54-68 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

38.5	41.9	44.6	47.4	48.1	49.0	49.3	49.6	49.8	49.8	49.9	49.9	50.1	50.1	50.4	
42.8	46.4	49.3	52.4	53.2	54.4	54.8	55.0	55.3	55.3	55.4	55.5	55.6	55.6	55.9	
42.8	46.4	49.3	52.4	53.2	54.4	54.8	55.0	55.3	55.3	55.4	55.5	55.6	55.6	55.9	
42.8	46.4	49.3	52.4	53.2	54.4	54.8	55.0	55.3	55.3	55.4	55.5	55.6	55.6	55.9	
42.8	46.4	49.3	52.4	53.2	54.4	54.8	55.0	55.3	55.3	55.4	55.5	55.6	55.6	55.9	
43.4	47.2	50.0	53.2	53.9	55.2	55.6	55.9	56.1	56.1	56.2	56.3	56.4	56.4	56.7	
43.6	47.4	50.5	53.9	54.6	55.9	56.4	56.6	56.9	56.9	57.0	57.0	57.2	57.2	57.5	
45.1	49.0	52.1	55.4	56.1	57.5	58.0	58.2	58.5	58.6	58.7	58.7	58.9	58.9	59.2	
48.1	52.3	55.6	59.1	60.1	61.4	61.9	62.1	62.4	62.6	62.7	62.8	63.0	63.0	63.3	
51.5	56.1	59.7	63.5	64.6	65.9	66.4	66.7	67.0	67.1	67.2	67.3	67.5	67.5	67.9	
54.0	58.8	62.7	66.7	68.1	69.4	70.0	70.3	70.6	70.7	70.8	71.0	71.1	71.1	71.5	
56.0	61.0	65.3	69.3	70.7	72.1	72.7	73.0	73.3	73.6	73.6	73.8	73.9	73.9	74.3	
57.2	62.1	66.6	71.0	72.4	74.1	74.7	75.0	75.3	75.5	75.6	75.7	75.9	75.9	76.3	
58.7	64.0	68.7	73.3	74.7	76.4	77.1	77.5	77.8	78.0	78.1	78.2	78.4	78.4	78.9	
59.9	65.3	70.3	75.3	77.0	78.7	79.4	79.8	80.1	80.3	80.4	80.5	80.7	80.7	81.2	
60.9	66.5	71.8	76.9	78.6	80.5	81.3	81.7	82.0	82.2	82.3	82.4	82.7	82.7	83.1	
61.8	67.6	73.2	78.4	80.3	82.4	83.1	83.6	83.9	84.1	84.2	84.4	84.6	84.6	85.0	
62.6	68.5	74.5	80.1	82.1	84.2	85.0	85.5	85.8	86.0	86.1	86.2	86.4	86.4	86.9	
63.0	69.1	75.5	81.0	83.0	85.3	86.1	86.6	86.9	87.1	87.2	87.3	87.6	87.6	88.0	
64.1	70.7	77.3	83.3	85.3	87.6	88.5	89.0	89.3	89.6	89.6	89.8	90.0	90.0	90.4	
64.9	72.0	79.4	85.5	87.5	90.0	91.0	91.5	91.8	92.0	92.1	92.2	92.4	92.4	92.9	
65.3	72.9	80.7	87.0	89.3	91.9	92.8	93.3	93.6	93.9	93.9	94.1	94.3	94.3	94.7	
65.3	73.4	81.3	87.8	90.3	93.0	94.0	94.5	94.8	95.0	95.1	95.3	95.5	95.5	95.9	
65.7	73.7	81.6	88.2	91.0	93.9	94.9	95.4	95.7	96.0	96.1	96.2	96.4	96.4	96.9	
65.8	73.8	81.8	88.7	91.3	94.7	95.7	96.2	96.5	96.8	96.9	97.0	97.3	97.3	97.7	
65.8	73.8	81.8	88.7	91.3	94.8	96.1	96.6	96.9	97.3	97.3	97.5	97.7	97.7	98.1	
65.8	73.8	81.9	88.9	91.8	95.3	96.5	97.0	97.4	97.8	97.9	98.0	98.2	98.2	98.7	
65.8	73.8	81.9	89.0	91.9	95.3	96.7	97.4	97.9	98.3	98.4	98.5	98.8	98.8	99.3	
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	98.7	99.0	99.3	99.3	99.7	
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	99.0	99.2	99.5	99.5	99.9	
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	99.0	99.2	99.5	99.5	99.9	
65.8	73.8	81.9	89.0	91.9	95.6	96.9	97.7	98.1	98.7	99.0	99.2	99.5	99.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

32.0	33.8	37.3	38.6	39.2	40.5	41.2	41.6	41.8	42.4	42.5	42.6	42.8	42.8	43.4	
35.6	38.0	40.0	43.8	44.5	46.0	47.0	47.4	47.8	48.2	48.4	48.4	48.7	48.7	49.3	
35.6	38.0	40.0	43.8	44.5	46.0	47.0	47.4	47.5	48.2	48.4	48.4	48.7	48.7	49.3	
35.6	38.0	40.1	43.8	44.6	46.1	47.0	47.5	47.6	48.2	48.4	48.5	48.7	48.8	49.4	
35.6	38.0	40.2	43.9	44.7	46.2	47.1	47.5	47.7	48.3	48.5	48.6	48.8	48.9	49.4	
36.2	38.7	40.8	44.5	45.4	46.9	47.8	48.2	48.4	49.0	49.2	49.3	49.5	49.6	50.1	
37.1	39.6	42.2	46.1	47.1	48.7	49.6	50.0	50.1	50.8	51.0	51.1	51.3	51.3	51.9	
38.1	40.7	43.3	47.4	48.4	50.1	51.1	51.5	51.6	52.3	52.5	52.5	52.8	52.8	53.5	
40.4	43.3	46.2	50.5	51.7	53.7	54.7	55.1	55.3	55.9	56.2	56.2	56.4	56.5	57.2	
43.3	46.4	49.6	53.9	55.2	57.2	58.2	58.6	58.9	59.6	59.8	60.0	60.2	60.3	61.0	
45.2	48.9	52.4	57.1	58.7	60.8	61.8	62.3	62.5	63.3	63.5	63.7	63.9	64.0	64.7	
46.7	50.6	54.3	59.0	60.6	63.1	64.4	64.8	65.1	65.9	66.1	66.2	66.4	66.5	67.4	
48.1	51.9	55.9	60.6	62.3	64.9	66.1	66.6	66.9	67.6	67.8	68.0	68.2	68.3	69.1	
49.0	53.0	57.4	62.5	64.2	66.8	68.2	68.6	68.9	69.7	69.9	70.0	70.3	70.3	71.2	
50.2	54.5	59.1	64.4	66.4	69.1	70.5	71.0	71.4	72.2	72.4	72.5	72.7	72.8	73.7	
51.7	56.4	61.7	67.4	69.4	72.4	74.0	74.6	75.0	75.8	76.0	76.1	76.3	76.4	77.3	
53.0	57.8	63.5	69.8	71.8	74.9	76.5	77.1	77.5	78.3	78.5	78.6	78.8	78.9	79.7	
54.5	59.6	65.7	72.6	74.8	77.9	79.6	80.2	80.6	81.4	81.6	81.7	81.9	82.0	82.9	
55.1	60.5	66.8	73.8	76.1	79.2	80.9	81.4	81.9	82.6	82.9	83.1	83.3	83.4	84.2	
56.6	62.4	68.8	76.1	78.3	81.9	83.6	84.1	84.6	85.3	85.6	85.8	86.0	86.0	86.9	
57.8	64.0	70.8	78.3	80.9	84.6	86.3	86.8	87.3	88.0	88.3	88.5	88.7	88.7	89.6	
57.9	64.3	72.0	79.7	82.4	86.3	88.0	88.6	89.0	89.8	90.1	90.2	90.4	90.5	91.4	
58.2	64.9	72.6	80.7	83.8	87.9	89.6	90.3	90.7	91.6	91.9	92.0	92.2	92.3	93.1	
58.3	65.2	72.9	81.2	84.4	88.5	90.4	91.4	91.8	92.6	92.9	93.1	93.3	93.3	94.2	
58.4	65.4	73.2	81.6	84.9	89.4	91.2	92.3	92.7	93.6	93.9	94.0	94.2	94.3	95.1	
58.4	65.5	73.4	81.9	85.3	90.0	92.1	93.2	93.6	94.5	94.8	94.9	95.1	95.2	96.0	
58.5	65.7	73.6	82.3	85.7	90.7	92.9	94.1	94.5	95.4	95.7	95.8	96.0	96.1	97.0	
58.5	65.7	73.6	82.4	86.0	91.1	93.5	94.8	95.3	96.2	96.5	96.7	96.9	97.0	98.0	
58.5	65.7	73.6	82.4	86.0	91.2	93.6	95.2	95.7	96.7	97.0	97.2	97.4	97.5	98.7	
58.5	65.7	73.6	82.4	86.0	91.2	93.6	95.2	95.9	97.0	97.3	97.5	97.7	97.7	99.0	
58.5	65.7	73.6	82.4	86.0	91.2	93.6	95.2	95.9	97.0	97.3	97.5	97.8	97.9	99.2	
58.5	65.7	73.6	82.4	86.0	91.2	93.6	95.2	95.9	97.0	97.3	97.5	97.8	97.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 1412

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

24.7	26.7	28.8	31.4	32.1	33.0	33.6	34.4	35.0	35.3	35.5	35.6	35.6	35.7	36.0	
28.2	30.6	33.6	36.8	37.5	38.7	39.3	40.3	41.0	41.3	41.4	41.5	41.7	41.8	42.2	
28.2	30.6	33.6	36.8	37.5	38.7	39.3	40.3	41.0	41.3	41.4	41.5	41.7	41.8	42.2	
28.3	30.7	33.7	36.9	37.7	38.8	39.4	40.4	41.1	41.4	41.5	41.7	41.9	41.9	42.3	
28.6	31.1	34.0	37.2	38.0	39.1	39.7	40.8	41.4	41.7	41.9	42.0	42.2	42.2	42.6	
29.6	32.2	35.2	38.4	39.2	40.4	41.0	42.0	42.6	43.0	43.1	43.2	43.4	43.5	43.9	
30.6	33.4	36.5	40.1	40.8	42.1	42.7	43.7	44.4	44.8	45.0	45.1	45.3	45.3	45.7	
31.4	34.4	37.5	41.1	41.9	43.1	43.7	44.8	45.5	45.9	46.1	46.2	46.4	46.5	47.0	
33.5	36.8	40.9	44.4	45.2	46.5	47.3	48.4	49.1	49.5	49.7	49.8	50.1	50.2	50.8	
36.6	40.2	44.2	48.4	49.2	50.8	51.6	52.6	53.4	54.1	54.3	54.4	54.7	54.8	55.4	
38.3	42.4	46.9	51.2	52.3	54.0	54.8	56.1	56.8	57.6	57.8	57.9	58.2	58.3	59.0	
39.3	43.9	48.9	53.4	54.8	56.7	57.6	58.9	59.7	60.5	60.7	60.9	61.2	61.2	62.1	
40.0	44.7	49.7	54.3	55.7	57.8	58.7	60.0	60.8	61.7	61.9	62.0	62.3	62.4	63.2	
41.1	46.1	51.5	56.3	57.8	60.1	61.0	62.3	63.2	64.2	64.5	64.6	64.9	65.0	65.9	
42.1	47.2	52.8	57.8	59.4	61.6	62.6	64.1	65.1	66.0	66.3	66.5	66.8	66.9	67.8	
43.5	49.0	55.3	60.4	62.1	64.6	65.6	67.1	68.2	69.2	69.6	69.8	70.1	70.2	71.3	
45.2	51.1	57.7	62.8	64.8	67.2	68.2	69.7	70.9	71.9	72.2	72.4	72.7	72.8	74.0	
46.4	52.5	59.4	65.1	67.4	69.9	70.9	72.4	73.6	74.6	74.9	75.1	75.5	75.5	76.7	
47.0	53.2	60.3	66.3	68.7	71.3	72.3	73.9	75.1	76.2	76.6	76.7	77.1	77.1	78.3	
48.8	55.6	63.3	69.4	71.8	74.5	75.6	77.3	78.6	79.8	80.1	80.3	80.6	80.7	81.8	
50.5	57.8	66.3	72.7	75.2	78.2	79.5	81.3	82.6	84.0	84.4	84.6	84.9	84.9	86.1	
51.4	59.2	68.5	75.4	78.1	81.4	82.8	84.7	86.0	87.3	87.7	87.9	88.2	88.2	89.5	
52.1	59.9	69.3	76.3	79.1	82.5	84.0	85.9	87.1	88.5	88.9	89.1	89.4	89.5	90.6	
52.2	60.1	69.6	76.9	79.8	83.8	85.5	87.3	88.7	90.1	90.4	90.6	91.0	91.0	92.2	
52.4	60.3	70.0	77.5	80.5	84.9	86.7	88.6	90.1	91.5	91.9	92.1	92.4	92.4	93.6	
52.4	60.4	70.3	77.8	81.0	85.6	87.9	90.0	91.7	93.0	93.4	93.6	93.9	94.0	95.2	
52.5	60.5	70.4	78.3	81.6	86.5	88.9	91.1	93.2	94.8	95.3	95.5	95.9	95.9	97.1	
52.5	60.5	70.4	78.4	81.8	86.6	89.3	91.5	93.7	95.3	95.7	95.9	96.2	96.4	97.6	
52.5	60.5	70.4	78.4	82.0	87.0	89.5	91.8	93.9	95.7	96.2	96.4	97.0	97.0	98.2	
52.5	60.5	70.4	78.4	82.0	87.0	89.5	91.8	94.0	95.8	96.4	96.6	97.2	97.4	98.5	
52.5	60.5	70.4	78.4	82.0	87.0	89.5	91.8	94.0	95.8	96.4	96.6	97.4	97.4	98.5	
52.5	60.5	70.4	78.4	82.0	87.0	89.5	91.8	94.0	95.8	96.4	96.7	97.4	97.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 154

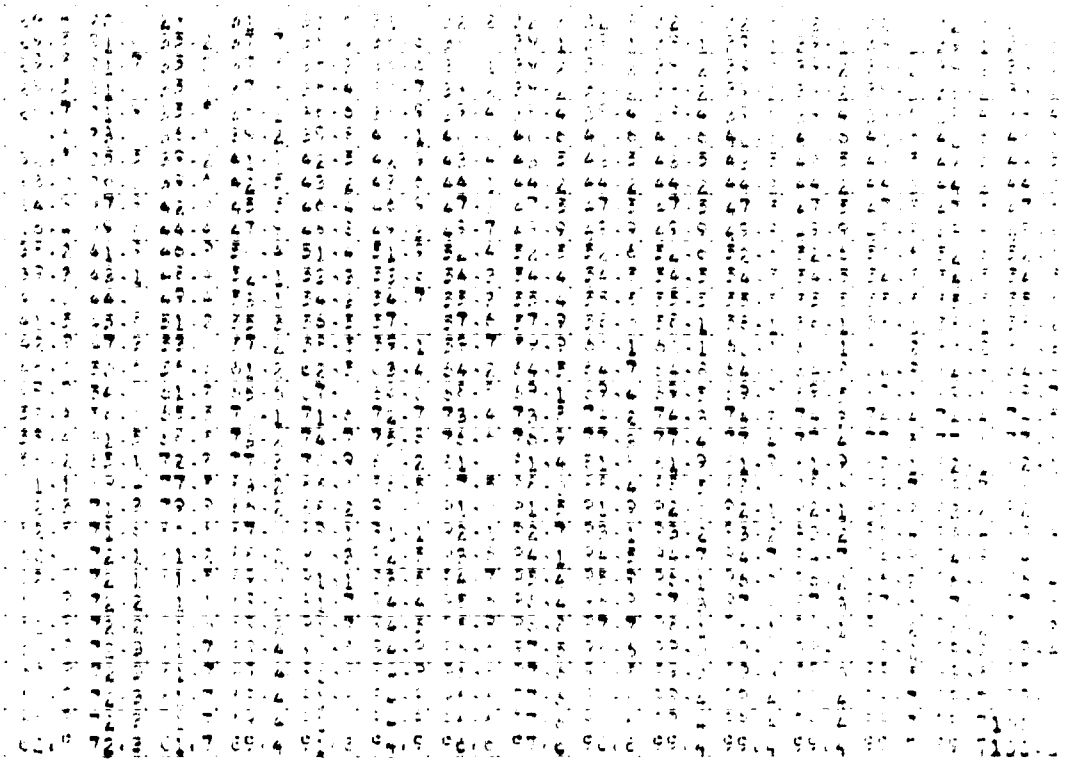
DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34055 SEARCH AREA [illegible] 74-7[illegible] [illegible]

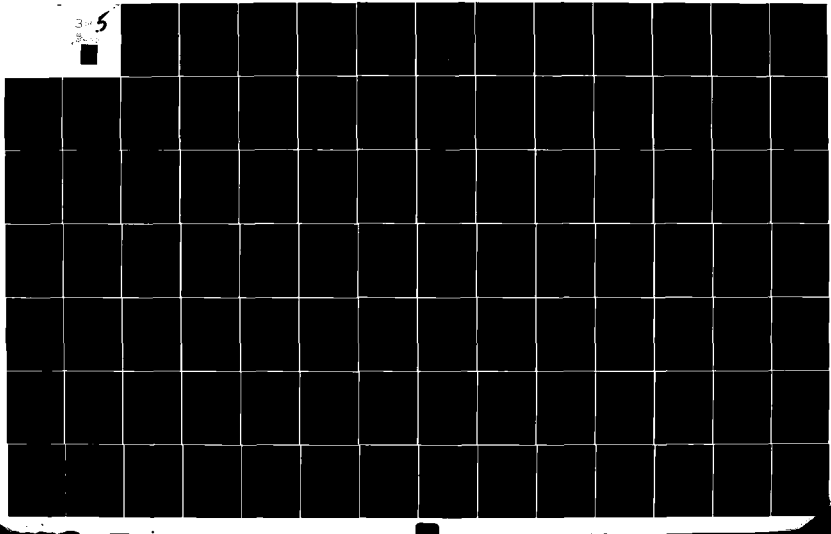
PERCENTAGE FREQUENCY OF OCCURRENCE
FROM ALL OBSERVATIONS [illegible]



TOTAL NUMBER OF OBSERVATIONS [illegible]

USAF ETAC [illegible]

AD-A087 821 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SEMBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC(U)
SEP 74
UNCLASSIFIED USAFETAC/DS-80/061 NL



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	≥ 6	5	4	3	2½	2	1½	1	¾	½	¼	0				
	23.5	24.4	26.0	26.3	26.4	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
	31.4	32.6	34.4	34.9	35.0	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 5000	31.4	32.6	34.4	34.9	35.0	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 4500	31.5	32.7	34.6	35.0	35.2	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 4000	32.1	33.3	35.2	35.6	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 3500	32.9	34.2	36.2	36.6	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 3000	34.8	36.3	38.4	38.9	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 2500	35.6	37.3	39.5	40.0	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 2000	37.8	39.8	42.2	42.8	42.9	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 1800	39.1	41.1	43.9	44.6	44.7	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 1600	41.3	43.3	46.2	47.3	47.4	47.7	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 1400	43.0	45.1	48.1	49.3	49.5	50.0	50.2	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 1200	45.3	47.5	50.9	52.3	52.5	53.0	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 1000	50.3	53.2	56.4	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 900	53.3	56.3	59.6	60.6	60.8	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 800	61.3	64.8	68.4	69.3	69.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 700	67.6	71.7	75.5	76.5	77.1	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	71.9	76.0	81.2	82.5	83.1	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 500	73.6	78.3	83.8	85.2	85.8	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 450	73.9	80.1	86.6	88.3	89.0	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 400	78.1	84.1	90.3	92.2	93.2	94.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 350	78.9	85.4	91.9	94.0	95.2	96.0	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	78.9	85.5	92.1	94.3	95.6	96.6	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 250	79.1	85.8	92.7	95.1	96.5	97.5	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	79.1	86.0	92.9	95.5	96.9	98.1	98.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7
≥ 150	79.1	86.0	92.9	95.5	96.9	98.2	98.4	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
≥ 100	79.1	86.0	93.0	95.6	97.1	98.3	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 50	79.1	86.0	93.0	95.6	97.2	98.4	98.6	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0	79.1	86.0	93.0	95.6	97.2	98.4	98.6	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1339

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

94050 SEMBACH AB GERMANY 56-72 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
	26.1	27.5	28.1	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
	37.2	38.6	39.6	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥ 5000	37.3	39.1	39.8	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 4500	37.5	39.2	39.9	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 4400	37.7	39.4	40.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 4300	38.8	40.5	41.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 3500	40.7	42.3	43.1	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 3000	41.8	43.6	44.3	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 2500	45.8	47.7	48.5	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 2400	47.0	49.1	49.9	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 2300	50.5	52.7	53.5	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 2200	54.4	57.0	57.9	58.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 2100	56.9	59.7	60.9	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 2000	61.9	65.0	66.3	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 1500	68.8	70.0	71.5	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1000	72.4	76.1	78.1	79.2	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 900	75.8	79.7	82.0	83.2	83.6	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 800	79.4	84.0	86.8	88.2	88.7	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 700	80.0	84.6	87.7	89.2	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	81.8	86.8	90.1	91.8	92.6	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 500	83.5	88.8	92.3	94.6	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400	83.7	89.4	93.6	95.7	96.6	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 300	83.7	89.4	93.6	95.8	96.9	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	83.9	89.8	94.0	96.4	97.6	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 100	84.0	90.0	94.4	96.8	98.2	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	84.0	90.0	94.4	96.8	98.2	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	84.0	90.1	94.4	97.0	98.4	99.0	99.5	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
	84.0	90.1	94.4	97.0	98.4	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
	84.0	90.1	94.4	97.0	98.4	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
	84.0	90.1	94.4	97.0	98.4	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
	84.0	90.1	94.4	97.0	98.4	99.2	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1842

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 46-68,72 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING (FEET)	≥ 0	≥ 1/4	≥ 1/2	≥ 3/4	≥ 1	≥ 1 1/4	≥ 1 1/2	≥ 1 3/4	≥ 2	≥ 2 1/2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10
≥ 22000	30.2	31.2	32.3	32.7	33.2	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
> 22000	42.1	44.6	45.9	47.0	47.4	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 18000	42.1	44.6	45.9	47.0	47.4	47.7	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
> 18000	42.3	44.8	46.0	47.2	47.6	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 14000	42.6	45.1	46.3	47.4	47.9	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
> 14000	43.4	46.2	47.4	48.6	49.0	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 12000	45.2	48.0	49.4	50.6	51.1	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
> 12000	46.5	49.3	50.9	52.1	52.6	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 10000	49.0	52.0	54.1	55.4	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
> 10000	55.0	58.1	59.7	61.4	61.9	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	58.8	62.2	63.8	65.5	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
> 9000	61.9	65.3	67.2	69.1	69.7	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	64.2	67.9	69.9	71.7	72.3	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
> 8000	66.3	70.0	72.7	74.7	75.3	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000	69.6	74.2	76.2	78.2	79.2	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
> 7000	73.0	78.0	80.2	82.8	83.9	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 6000	76.4	81.8	84.3	86.8	88.0	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
> 6000	78.0	83.7	86.7	89.2	90.8	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 5000	78.6	84.3	87.6	90.1	91.4	92.2	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
> 5000	79.4	85.2	88.8	91.7	93.2	94.1	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4500	79.9	86.3	90.2	93.3	94.9	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
> 4500	80.1	86.8	90.7	94.4	96.0	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 4000	80.1	86.9	91.0	94.7	96.4	97.3	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3500	80.1	86.9	91.1	94.9	96.8	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
> 3500	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 3000	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
> 3000	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
> 2500	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
> 2000	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
> 1800	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1600	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
> 1600	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1400	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
> 1400	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
> 1200	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 900	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 200	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 0	80.1	87.0	91.3	95.0	97.0	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 1881

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

94084 SEMBACH AB GERMANY 54-68 APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
≥ 20000	39.1	48.1	48.0	46.4	47.0	47.3	47.3	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8
	44.3	48.2	52.3	54.0	54.7	55.0	55.3	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	44.3	48.2	52.3	54.0	54.7	55.0	55.3	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	44.3	48.2	52.3	54.0	54.7	55.0	55.3	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	44.6	48.5	52.6	54.1	54.7	55.1	55.3	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7
≥ 12000	45.8	49.3	53.6	55.3	55.9	56.3	56.5	56.6	56.7	56.8	56.9	56.9	56.9	56.9	56.9
≥ 10000	46.7	50.3	54.6	56.3	57.0	57.6	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	48.4	52.1	56.3	58.0	58.8	59.4	59.6	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0
≥ 8000	51.0	54.9	59.1	61.0	61.9	62.7	62.9	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3
≥ 7000	55.9	60.1	64.4	66.5	67.4	68.1	68.4	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	59.5	63.9	68.4	70.7	71.8	72.7	72.9	73.0	73.1	73.2	73.3	73.3	73.3	73.3	73.3
≥ 5000	62.6	67.0	71.6	74.1	75.2	76.2	76.4	76.6	76.7	76.9	77.0	77.0	77.0	77.0	77.0
≥ 4500	63.2	67.7	72.6	75.3	76.4	77.6	77.9	78.0	78.1	78.3	78.4	78.4	78.4	78.4	78.4
≥ 4000	63.0	70.0	75.4	78.9	80.1	81.3	81.8	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	66.9	73.0	77.8	81.3	83.0	84.2	84.4	84.6	84.7	84.9	85.0	85.0	85.0	85.0	85.0
≥ 3000	68.1	73.4	79.3	83.4	85.2	86.4	86.7	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2
≥ 2500	69.4	75.0	81.3	85.3	87.2	88.4	88.7	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2
≥ 2000	70.1	76.1	82.6	86.6	88.7	90.1	90.3	90.4	90.6	90.7	90.8	90.8	90.8	90.8	90.8
≥ 1800	70.4	76.3	83.3	87.4	89.8	91.0	91.3	91.4	91.6	91.7	91.8	91.8	91.8	91.8	91.8
≥ 1500	71.2	77.6	84.9	89.3	91.6	93.0	93.3	93.5	93.6	93.8	93.9	93.9	93.9	93.9	93.9
≥ 1200	71.9	78.9	86.7	91.3	93.6	95.3	95.6	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1
≥ 1000	72.1	79.4	87.8	92.8	94.9	96.3	96.7	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	72.1	79.6	87.7	93.0	95.1	97.0	97.3	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8
≥ 800	72.1	79.6	87.7	93.0	95.1	97.0	97.3	98.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7
≥ 700	72.1	79.6	87.8	93.4	95.6	98.1	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	72.1	79.7	87.9	93.6	95.9	98.3	98.6	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4
≥ 500	72.1	79.7	87.9	93.6	96.0	98.3	98.6	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4
≥ 400	72.1	79.7	87.9	93.6	96.1	98.4	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5
≥ 300	72.1	79.7	87.9	93.6	96.1	98.4	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5
≥ 200	72.1	79.7	87.9	93.6	96.1	98.4	98.7	99.1	99.3	99.4	99.5	99.5	99.5	99.5	100.0
≥ 100	72.1	79.7	87.9	93.6	96.1	98.4	98.7	99.2	99.4	99.6	99.8	99.9	99.9	99.9	100.0
≥ 0	72.1	79.7	87.9	93.6	96.1	98.4	98.7	99.2	99.4	99.6	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1230

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY 36-08;71 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
UNLIM		42.9	46.9	48.7	50.7	51.5	52.3	52.4	52.5	52.7	52.9	52.9	53.1	53.1	53.1	53.6
≥ 20000		46.6	50.9	53.2	55.6	56.4	57.2	57.3	57.4	57.6	57.9	57.9	58.1	58.1	58.1	58.6
≥ 15000		46.6	50.9	53.2	55.6	56.4	57.2	57.3	57.4	57.6	57.9	57.9	58.1	58.1	58.1	58.6
≥ 10000		46.6	50.9	53.2	55.6	56.4	57.2	57.3	57.4	57.6	57.9	57.9	58.1	58.1	58.1	58.6
≥ 9000		46.8	51.0	53.4	55.8	56.6	57.4	57.4	57.6	57.8	58.0	58.0	58.2	58.2	58.2	58.9
≥ 8000		47.9	52.4	54.7	57.1	58.0	58.9	58.9	59.1	59.3	59.5	59.5	59.7	59.8	59.8	60.5
≥ 7000		48.8	53.2	55.6	58.1	58.9	59.8	59.9	60.0	60.2	60.4	60.4	60.6	60.7	60.8	61.5
≥ 6000		51.3	56.1	58.6	61.1	61.9	62.8	62.9	63.0	63.2	63.4	63.4	63.6	63.7	63.8	64.5
≥ 5000		54.9	59.8	62.6	65.2	66.1	67.0	67.1	67.2	67.4	67.6	67.6	67.9	67.9	68.0	68.7
≥ 4500		59.4	64.7	68.0	71.4	72.3	73.2	73.3	73.5	73.8	74.0	74.0	74.2	74.4	74.4	75.2
≥ 4000		62.3	67.9	71.4	74.9	75.8	76.7	76.8	77.0	77.4	77.6	77.6	77.8	77.9	78.0	78.8
≥ 3500		64.4	70.6	74.5	78.2	79.0	80.0	80.0	80.2	81.1	81.4	81.4	81.6	81.7	81.8	82.6
≥ 3000		65.9	72.4	76.4	80.3	81.6	82.5	82.6	82.8	83.1	83.4	83.4	83.6	83.7	83.8	84.6
≥ 2500		67.1	73.8	78.1	82.2	83.7	84.8	84.9	85.1	85.5	85.7	85.7	85.9	86.1	86.1	86.9
≥ 2000		68.1	75.1	79.6	83.8	85.3	86.4	86.4	86.7	87.1	87.3	87.3	87.5	87.6	87.7	88.5
≥ 1800		69.2	76.1	80.7	85.0	86.6	87.7	87.8	88.1	88.4	88.6	88.6	88.9	89.0	89.1	89.9
≥ 1500		69.6	76.8	81.6	85.9	87.6	88.7	88.8	89.1	89.4	89.6	89.6	89.9	90.0	90.1	90.9
≥ 1200		70.5	78.1	83.0	87.5	89.4	90.5	90.6	90.9	91.2	91.4	91.4	91.6	91.8	91.9	92.7
≥ 1000		70.9	78.6	83.6	88.1	90.0	91.1	91.2	91.5	91.9	92.1	92.1	92.3	92.4	92.5	93.4
≥ 900		71.6	79.3	84.6	89.2	91.1	92.3	92.4	92.7	93.1	93.3	93.3	93.5	93.6	93.7	94.6
≥ 800		71.9	80.1	86.0	90.8	92.7	94.0	94.1	94.4	94.8	95.1	95.1	95.3	95.4	95.5	96.4
≥ 700		72.3	80.5	86.4	91.4	93.4	94.7	94.9	95.2	95.6	95.9	95.9	96.1	96.2	96.3	97.2
≥ 600		72.4	80.7	86.6	91.9	93.9	95.3	95.5	95.8	96.1	96.4	96.4	96.6	96.8	96.9	97.8
≥ 500		72.4	80.7	86.8	92.1	94.4	95.7	96.1	96.4	96.7	97.0	97.0	97.2	97.4	97.4	98.4
≥ 400		72.4	80.7	86.8	92.3	94.6	96.0	96.4	96.6	97.0	97.3	97.3	97.5	97.6	97.7	98.7
≥ 300		72.4	80.7	86.9	92.4	94.8	96.3	96.6	97.0	97.4	97.6	97.6	97.9	98.0	98.1	99.1
≥ 200		72.4	80.7	86.9	92.4	94.8	96.3	96.6	97.0	97.4	97.6	97.6	97.9	98.0	98.1	99.1
≥ 100		72.4	80.7	86.9	92.4	94.9	96.5	96.9	97.3	97.7	98.0	98.0	98.2	98.4	98.5	99.4
≥ 0		72.4	80.7	86.9	92.4	94.9	96.6	97.0	97.4	97.7	98.1	98.1	98.3	98.5	98.6	99.5

TOTAL NUMBER OF OBSERVATIONS 1403

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

94050 SEMBACH AB GERMANY 54-72 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0800

CEILING (FEET)	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼
≥ 10000	32.8	38.1	38.2	40.2	41.0	42.8	43.7	43.8	43.8	44.2	44.3	44.5	44.7	44.7	45.5
≥ 9000	36.0	39.6	42.1	44.3	45.1	46.7	47.3	47.7	48.0	48.6	48.7	49.0	49.2	49.2	50.1
≥ 8000	36.0	39.6	42.1	44.3	45.1	46.7	47.3	47.7	48.0	48.6	48.7	49.0	49.2	49.2	50.1
≥ 7000	36.0	39.6	42.1	44.3	45.1	46.7	47.3	47.7	48.0	48.6	48.7	49.0	49.2	49.2	50.1
≥ 6000	36.0	39.6	42.1	44.3	45.1	46.7	47.3	47.7	48.0	48.6	48.7	49.0	49.2	49.2	50.1
≥ 5000	36.0	40.2	42.7	44.9	45.8	47.4	47.9	48.4	48.7	49.2	49.4	49.7	49.9	49.9	50.8
≥ 4500	37.7	41.3	44.0	46.4	47.2	48.8	49.3	49.9	50.2	50.8	51.1	51.4	51.8	51.8	52.7
≥ 4000	39.3	42.8	46.0	48.4	49.2	51.0	51.6	52.0	52.3	52.9	53.2	53.5	53.9	53.9	54.8
≥ 3500	42.1	46.0	49.2	51.9	52.7	54.6	55.2	55.6	56.0	56.7	57.0	57.3	57.7	57.7	58.8
≥ 3000	47.1	52.0	55.8	58.1	60.0	62.1	62.8	63.2	63.7	64.5	64.8	65.1	65.4	65.7	66.8
≥ 2500	49.7	54.9	59.0	62.4	63.3	65.3	66.2	66.6	67.1	68.0	68.3	68.6	69.1	69.2	70.3
≥ 2000	51.8	57.3	61.8	65.8	66.6	68.6	69.1	69.8	70.2	70.9	71.2	71.5	72.2	72.3	73.4
≥ 1800	52.3	58.2	62.8	66.6	67.4	69.2	70.1	70.9	71.3	72.0	72.3	72.6	73.0	73.1	74.4
≥ 1500	53.0	59.0	64.4	68.2	69.0	71.1	72.0	72.8	73.2	73.9	74.2	74.5	74.9	75.0	76.4
≥ 1200	54.2	60.3	66.1	70.0	71.0	73.4	74.3	75.0	75.5	76.3	76.6	77.0	77.3	77.4	78.7
≥ 1000	55.4	62.2	68.0	72.7	74.1	76.8	77.6	78.3	78.9	79.8	80.1	80.4	80.8	80.9	82.2
≥ 900	56.0	63.1	69.2	73.9	75.4	78.2	79.0	79.8	80.2	81.2	81.5	81.8	82.3	82.4	83.7
≥ 800	57.7	65.1	71.7	76.7	78.2	81.1	82.0	82.8	83.2	84.3	84.6	84.9	85.4	85.4	86.9
≥ 700	58.0	65.4	72.0	76.9	78.3	81.3	82.3	82.8	83.2	84.3	84.6	85.2	85.6	85.7	87.1
≥ 600	59.4	67.2	74.0	79.2	80.8	83.8	84.7	85.2	86.0	87.0	87.3	87.6	88.1	88.2	89.6
≥ 500	60.2	68.0	74.7	81.3	83.3	86.6	87.6	88.1	88.9	89.9	90.2	90.5	91.0	91.0	92.5
≥ 400	60.8	68.8	77.0	84.0	86.2	89.8	91.1	91.9	92.7	93.8	94.1	94.4	94.9	94.9	96.4
≥ 300	60.9	69.0	77.3	84.4	86.8	90.4	91.8	92.6	93.4	94.5	94.8	95.1	95.6	95.7	97.2
≥ 200	60.9	69.0	77.3	84.4	86.8	90.4	91.8	92.6	93.4	94.5	94.8	95.1	95.6	95.7	97.2
≥ 100	60.9	69.0	77.3	84.4	86.8	90.4	91.8	92.6	93.4	94.5	94.8	95.1	95.6	95.7	97.2
≥ 0	60.9	69.0	77.3	84.4	86.8	90.4	91.8	92.6	93.4	94.5	94.8	95.1	95.6	95.7	97.2
	61.0	70.0	78.0	85.0	87.0	91.1	92.5	93.3	94.1	95.2	95.5	95.8	96.3	96.4	97.9
	61.0	70.0	78.0	85.0	87.0	91.1	92.5	93.3	94.1	95.2	95.5	95.8	96.3	96.4	97.9
	61.0	70.0	78.0	85.0	87.0	91.1	92.5	93.3	94.1	95.2	95.5	95.8	96.3	96.4	97.9
	61.0	70.0	78.0	85.0	87.0	91.1	92.5	93.3	94.1	95.2	95.5	95.8	96.3	96.4	97.9
	61.0	70.0	78.0	85.0	87.0	91.1	92.5	93.3	94.1	95.2	95.5	95.8	96.3	96.4	97.9
	61.0	70.0	78.0	85.0	87.0	91.1	92.5	93.3	94.1	95.2	95.5	95.8	96.3	96.4	97.9
	61.0	70.0	78.0	85.0	87.0	91.1	92.5	93.3	94.1	95.2	95.5	95.8	96.3	96.4	97.9

TOTAL NUMBER OF OBSERVATIONS 1482

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

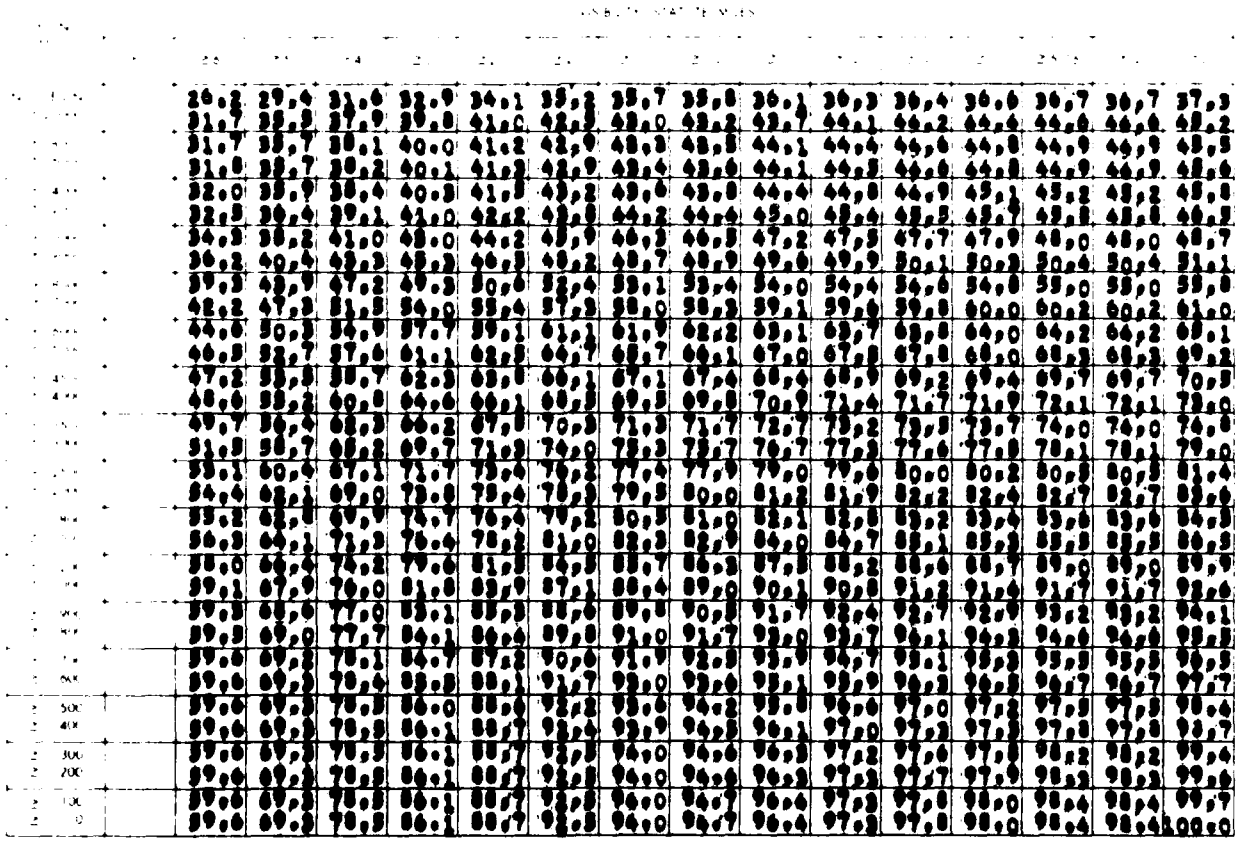
1

CEILING VERSUS VISIBILITY

94080 SEMBACH AB GERMANY 54-72 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800



TOTAL NUMBER OF OBSERVATIONS 1582

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 54-72 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0800-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	26	25	24	23	22	21	2	2	1	1	1	1	1	1	1
≥ UNL		29.3	31.3	32.5	33.2	33.5	33.7	33.7	33.8	33.8	33.8	33.8	33.9	33.9	33.9	33.9
> UNL		36.9	39.3	40.9	42.0	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8
≥ 8000		37.0	39.4	41.0	42.1	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.9	42.9	42.9	42.9
> 8000		37.0	39.4	41.0	42.1	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.9	42.9	42.9	42.9
≥ 4800		37.0	39.6	41.1	42.3	42.7	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
> 4800		37.6	40.3	41.8	43.0	43.4	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 3000		39.4	42.1	43.8	44.9	45.4	45.5	45.5	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7
> 3000		41.0	43.8	45.8	47.0	47.4	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2400		48.6	46.6	48.9	50.1	50.6	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
> 2400		48.6	49.2	51.8	53.1	53.6	53.9	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
≥ 1800		47.2	51.1	53.8	55.2	55.7	56.0	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2
> 1500		48.7	53.6	56.7	57.2	57.7	58.0	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3
≥ 1200		49.9	54.0	57.2	58.8	59.3	59.6	59.7	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9
> 1000		51.2	55.4	58.9	60.6	61.1	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 900		54.5	58.9	62.6	64.4	64.9	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
> 800		58.9	63.4	67.2	69.2	69.7	70.2	70.4	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6
≥ 700		64.0	69.2	73.4	75.5	76.0	76.5	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
> 600		69.0	74.5	79.4	81.8	82.4	82.9	83.1	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3
≥ 500		70.7	77.0	81.7	83.9	84.4	85.2	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
> 400		72.6	79.2	84.7	87.0	87.6	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 300		74.6	81.8	88.6	91.6	92.3	93.2	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6
> 200		75.6	83.9	90.8	93.8	94.5	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 100		75.9	84.4	91.5	95.0	95.8	96.9	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
> 0		76.1	84.8	92.1	95.9	96.8	97.9	97.8	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
V V		76.1	84.9	92.2	96.2	97.0	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
V V		76.1	84.9	92.2	96.2	97.2	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
V V		76.1	84.9	92.2	96.2	97.4	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
V V		76.2	85.0	92.3	96.3	97.5	98.8	99.2	99.4	99.4	99.4	99.4	99.7	99.8	99.8	99.8
V V		76.2	85.0	92.3	96.3	97.5	98.8	99.2	99.4	99.4	99.7	99.7	99.8	99.9	100.0	100.0
V V		76.2	85.0	92.3	96.3	97.5	98.8	99.2	99.4	99.4	99.7	99.7	99.8	99.9	100.0	100.0
V V		76.2	85.0	92.3	96.3	97.5	98.8	99.2	99.4	99.4	99.7	99.7	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1392

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94050 SEMBACH AB GERMANY 46-72 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8
0	27.1	28.1	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
100	36.7	37.8	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
150	36.7	37.8	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
200	36.9	38.0	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
250	36.9	38.0	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
300	37.2	38.4	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
400	38.9	40.2	41.0	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
500	40.3	41.8	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
600	43.3	44.7	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
700	46.4	48.2	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
800	49.7	51.5	52.6	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
900	53.2	55.0	56.4	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
1000	55.7	57.6	59.0	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
1100	60.9	63.0	64.5	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
1200	68.4	67.9	69.7	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
1300	73.6	76.7	78.8	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
1400	79.9	83.3	85.6	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
1500	85.0	88.7	91.0	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1600	85.9	89.7	92.1	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
1700	86.8	90.8	93.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
1800	88.0	92.0	95.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
1900	88.3	92.3	96.3	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2000	88.5	92.4	96.7	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
2100	88.8	92.7	97.0	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2200	88.9	92.9	97.2	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2300	88.9	92.9	97.3	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2400	88.9	92.9	97.3	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2500	88.9	92.9	97.3	99.4	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2600	88.9	94.0	97.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2700	88.9	94.0	97.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2800	88.9	94.0	97.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
2900	88.9	94.0	97.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1879

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

28.5	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
40.5	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.5	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.6	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.9	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
41.9	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
43.8	44.6	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
45.3	46.1	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
49.8	50.9	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
55.7	56.8	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
59.7	61.0	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
64.8	66.2	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
67.8	69.3	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
72.9	74.7	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
77.4	79.2	80.3	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
82.8	84.7	86.0	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
86.9	88.9	90.2	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
89.8	92.2	93.8	94.5	94.5	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
90.6	93.0	94.6	95.3	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
91.3	93.8	95.6	96.4	96.5	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
92.1	94.9	97.0	98.0	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
92.2	95.1	97.1	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
92.3	95.2	97.3	98.5	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
92.3	95.2	97.4	98.7	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
92.3	95.2	97.4	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
92.3	95.2	97.4	98.9	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
92.3	95.2	97.4	98.9	99.0	99.6	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1577

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 34-66-71 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

32.4	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
50.3	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
50.3	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
50.4	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
50.6	51.1	51.4	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	51.5
51.9	52.5	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
53.0	54.2	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
56.2	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
62.6	63.4	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
69.1	70.4	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
72.5	74.1	74.7	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
76.6	78.5	79.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
78.3	80.1	81.1	81.6	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
81.2	83.1	84.2	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
83.5	85.6	86.7	87.5	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
86.3	88.7	89.8	90.6	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
89.5	92.1	93.3	94.3	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
90.3	93.1	94.7	95.7	96.2	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
90.6	93.5	95.1	96.3	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
91.1	94.1	96.1	97.3	97.6	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
91.4	94.6	96.9	98.4	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
91.5	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
91.5	94.7	97.0	98.6	99.1	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
91.5	94.7	97.1	98.6	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
91.5	94.7	97.2	98.8	99.4	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
91.5	94.7	97.2	98.9	99.4	99.6	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
91.5	94.7	97.3	98.9	99.5	99.6	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.5	94.7	97.3	98.9	99.5	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.5	94.7	97.3	98.9	99.5	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.5	94.7	97.3	98.9	99.5	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.5	94.7	97.3	98.9	99.5	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.5	94.7	97.3	98.9	99.5	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 139

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-68,71 MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

40.8	43.2	44.5	44.8	45.1	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.4
51.1	53.9	55.6	55.9	56.3	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.1
51.1	53.9	55.6	55.9	56.3	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.1
51.1	53.9	55.6	55.9	56.3	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.1
51.4	54.1	55.9	56.2	56.6	56.9	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.4
52.6	55.4	57.2	57.6	57.9	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.7
53.6	56.4	58.2	58.9	59.2	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	60.0
55.9	59.0	60.7	61.4	61.8	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.6
59.4	62.9	65.2	66.0	66.5	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.3
63.7	68.1	70.8	72.0	72.5	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.5
67.3	72.1	75.0	76.5	77.0	77.5	77.5	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.0
70.2	75.6	79.0	80.7	81.3	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.3
72.3	77.9	81.3	83.2	83.8	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.9
74.5	80.5	84.0	86.1	86.8	87.5	87.5	87.6	87.7	87.7	87.7	87.7	87.8	87.8	88.0
76.3	82.5	86.2	88.3	89.1	89.7	89.7	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.2
77.5	84.1	88.0	90.3	91.0	91.6	91.8	91.8	92.0	92.0	92.0	92.0	92.1	92.1	92.3
78.8	85.7	89.7	92.1	92.8	93.6	93.7	93.8	93.9	93.9	93.9	93.9	94.0	94.0	94.2
79.3	86.6	90.7	93.4	94.2	95.0	95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.6
79.8	87.0	91.3	94.1	94.8	95.6	95.8	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.3
80.3	87.6	92.3	95.1	96.0	96.9	97.1	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.6
80.5	87.9	93.0	96.1	97.0	97.9	98.1	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.6
80.5	88.0	93.1	96.2	97.1	98.1	98.4	98.5	98.8	98.8	98.8	98.9	98.9	98.9	99.1
80.5	88.0	93.1	96.3	97.2	98.4	98.5	98.6	98.9	98.9	98.9	98.9	99.0	99.0	99.2
80.5	88.0	93.1	96.4	97.4	98.6	98.8	98.9	99.1	99.1	99.2	99.2	99.3	99.3	99.5
80.5	88.0	93.1	96.4	97.5	98.7	98.9	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.6
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.4	99.4	99.5	99.5	99.6	99.6	99.8
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.9
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.7	99.7	100.0
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.7	99.7	100.0
80.5	88.0	93.1	96.5	97.6	98.9	99.1	99.2	99.6	99.6	99.6	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1998

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 34-68 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING (FEET)	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8	9	10
20000	42.1	45.0	47.7	49.4	50.0	50.6	50.7	51.0	51.4	51.8	51.8	52.0	52.1	52.1	52.6		
15000	46.7	50.0	53.3	55.4	56.0	56.6	56.8	57.1	57.5	58.0	58.0	58.1	58.3	58.3	58.7		
12000	46.8	50.0	53.4	55.5	56.1	56.7	56.9	57.2	57.6	58.0	58.0	58.2	58.3	58.3	58.8		
10000	46.8	50.0	53.4	55.5	56.1	56.7	56.9	57.2	57.6	58.0	58.0	58.2	58.3	58.3	58.8		
9000	46.8	50.1	53.4	55.7	56.3	56.9	57.0	57.3	57.7	58.2	58.2	58.3	58.5	58.5	58.9		
8000	47.4	50.8	54.2	56.4	57.0	57.7	57.8	58.1	58.6	59.0	59.0	59.2	59.3	59.3	59.7		
7000	49.3	52.9	56.4	58.6	59.3	60.1	60.3	60.6	61.0	61.5	61.5	61.6	61.7	61.7	62.2		
6000	52.2	56.0	59.7	62.0	62.6	63.5	63.6	63.9	64.3	64.8	64.8	64.9	65.1	65.1	65.5		
5000	55.7	60.0	64.3	66.9	68.1	68.9	69.1	69.4	69.8	70.3	70.3	70.4	70.6	70.6	71.0		
4500	59.1	63.7	68.6	71.2	72.3	73.2	73.4	73.7	74.1	74.6	74.6	74.7	74.9	74.9	75.3		
4000	61.2	66.3	71.7	74.7	76.0	76.9	77.0	77.3	77.8	78.2	78.2	78.4	78.5	78.5	78.9		
3500	63.2	68.7	74.2	77.3	78.7	79.6	79.8	80.2	80.8	81.3	81.3	81.5	81.6	81.6	82.1		
3000	64.3	70.1	75.6	78.7	80.1	81.1	81.2	81.7	82.3	82.9	82.9	83.0	83.2	83.2	83.7		
2500	65.3	71.4	77.1	80.3	81.8	83.0	83.2	83.7	84.3	85.0	85.0	85.1	85.2	85.2	85.8		
2200	66.3	72.3	78.1	81.6	83.0	84.1	84.4	84.8	85.4	86.1	86.1	86.2	86.4	86.4	86.9		
2000	67.1	73.4	79.4	83.0	84.4	85.5	85.8	86.2	86.9	87.5	87.5	87.7	87.8	87.8	88.5		
1800	67.5	73.8	79.8	83.5	84.9	86.1	86.6	87.0	87.6	88.3	88.3	88.5	88.7	88.7	89.3		
1700	68.8	75.6	81.8	85.3	87.0	88.3	88.7	89.2	89.8	90.4	90.4	90.7	90.8	90.8	91.3		
1600	68.9	76.0	82.4	86.1	87.6	89.0	89.5	90.0	90.6	91.3	91.3	91.5	91.7	91.7	92.4		
1500	69.4	76.8	83.4	87.3	88.9	90.4	90.9	91.4	92.0	92.7	92.7	93.0	93.1	93.1	93.8		
1400	69.9	77.3	83.9	87.9	89.7	91.3	91.9	92.4	93.2	94.1	94.1	94.3	94.4	94.4	95.1		
1300	69.9	77.3	84.4	88.4	90.4	92.2	92.7	93.2	94.1	94.8	94.8	95.0	95.2	95.2	95.8		
1200	69.9	77.3	84.6	88.7	90.6	92.4	92.9	93.5	94.3	95.2	95.2	95.4	95.7	95.7	96.4		
1100	69.9	77.3	84.7	88.9	90.9	92.9	93.3	93.9	95.0	95.9	95.9	96.1	96.3	96.3	97.0		
1000	70.1	77.5	85.0	89.2	91.2	93.3	93.7	94.3	95.3	96.3	96.3	96.5	96.7	96.7	97.3		
900	70.1	77.5	85.0	89.2	91.4	93.6	94.1	94.7	95.7	96.7	96.7	96.9	97.0	97.0	97.7		
800	70.1	77.5	85.2	89.7	91.9	94.4	94.9	95.5	96.6	97.6	97.6	97.8	97.9	97.9	98.6		
700	70.1	77.5	85.2	89.8	92.1	94.7	95.2	95.8	97.0	97.9	97.9	98.1	98.2	98.2	99.0		
600	70.1	77.5	85.2	89.8	92.1	94.7	95.2	96.0	97.2	98.2	98.2	98.4	98.5	98.5	99.3		
500	70.1	77.5	85.2	89.8	92.1	94.8	95.3	96.1	97.3	98.3	98.3	98.5	98.7	98.7	99.4		
400	70.1	77.5	85.2	89.8	92.1	94.8	95.3	96.1	97.3	98.4	98.4	98.7	99.0	99.0	100.0		
300	70.1	77.5	85.2	89.8	92.1	94.8	95.3	96.1	97.3	98.4	98.4	98.7	99.0	99.0	100.0		

TOTAL NUMBER OF OBSERVATIONS 1849

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-72 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0800

31.2	34.5	37.2	39.8	40.6	41.8	43.4	43.8	43.6	44.1	44.3	44.8	45.3	45.5	46.5	
35.3	39.5	42.6	45.9	46.7	48.4	49.4	49.8	50.8	51.3	51.5	51.9	52.5	52.8	53.8	
35.3	39.5	42.6	45.9	46.7	48.4	49.4	49.9	50.8	51.3	51.6	52.0	52.5	52.8	53.8	
35.3	39.6	42.7	46.0	46.8	48.5	49.5	49.9	50.9	51.4	51.6	52.1	52.6	52.9	53.9	
35.6	39.8	43.0	46.2	47.1	48.9	49.9	50.3	51.3	51.8	52.0	52.4	53.0	53.3	54.2	
36.3	40.6	43.8	47.2	48.1	49.9	50.9	51.3	52.3	52.8	53.0	53.5	54.0	54.3	55.3	
37.7	42.2	45.4	48.9	49.8	51.7	52.8	53.3	54.2	54.7	55.0	55.4	55.9	56.2	57.2	
39.7	44.9	48.2	51.8	52.8	54.7	55.8	56.3	57.3	57.8	58.0	58.4	59.0	59.3	60.3	
45.6	49.0	52.5	56.4	57.8	60.0	61.0	61.6	62.6	63.2	63.4	63.9	64.4	64.7	65.9	
46.7	52.7	56.8	61.2	63.0	65.3	66.4	67.1	68.1	68.7	68.9	69.4	70.0	70.3	71.5	
48.9	55.4	59.7	64.3	66.1	68.5	69.6	70.3	71.4	72.0	72.2	72.7	73.2	73.5	74.7	
50.5	57.2	62.2	67.1	69.0	71.4	72.6	73.2	74.4	75.0	75.2	75.8	76.4	76.7	78.0	
51.0	57.9	63.0	68.0	69.9	72.3	73.5	74.2	75.4	76.0	76.2	76.8	77.4	77.7	79.0	
51.6	58.6	64.1	69.4	71.4	74.0	75.2	75.8	77.1	77.8	78.0	78.7	79.2	79.5	80.8	
51.9	59.1	64.7	70.1	72.1	74.9	76.1	76.8	78.0	78.8	79.0	79.6	80.2	80.5	81.8	
52.8	60.0	65.8	71.3	73.3	76.2	77.5	78.3	79.5	80.2	80.5	81.1	81.7	82.0	83.3	
53.8	61.2	67.4	72.9	75.1	78.1	79.5	80.3	81.6	82.4	82.6	83.2	83.8	84.1	85.7	
54.8	62.4	68.7	74.4	76.6	79.7	81.1	81.9	83.1	83.9	84.1	84.8	85.3	85.7	87.2	
55.4	63.0	69.3	75.1	77.3	80.4	81.9	82.6	83.9	84.7	84.9	85.6	86.1	86.5	88.0	
56.1	64.2	70.7	76.6	78.8	81.9	83.4	84.2	85.5	86.3	86.5	87.1	87.7	88.0	89.6	
57.2	65.4	72.2	78.2	80.7	84.0	85.5	86.3	87.5	88.3	88.5	89.2	89.7	90.1	91.6	
57.6	66.1	73.1	79.2	81.9	85.2	86.8	87.6	88.9	89.7	89.9	90.6	91.1	91.5	93.1	
57.7	66.1	73.2	79.3	82.2	85.5	87.1	88.0	89.3	90.2	90.4	91.0	91.6	91.9	93.5	
57.8	66.4	73.7	80.3	83.1	86.6	88.2	89.2	90.5	91.4	91.6	92.2	92.8	93.1	94.7	
57.8	66.4	73.9	80.6	83.4	87.0	88.7	89.6	91.0	91.9	92.1	92.7	93.3	93.6	95.2	
57.8	66.4	74.1	80.8	83.6	87.3	89.1	90.1	91.6	92.4	92.6	93.2	93.8	94.2	95.8	
57.8	66.4	74.2	80.9	83.9	87.7	89.6	90.7	92.2	93.2	93.4	94.1	94.6	95.0	96.5	
57.8	66.4	74.2	81.2	84.1	88.0	89.8	90.9	92.6	93.6	93.9	94.5	95.1	95.5	97.2	
57.8	66.4	74.2	81.2	84.2	88.2	90.0	91.2	93.1	94.3	94.5	95.2	95.8	96.1	97.8	
57.8	66.4	74.2	81.2	84.2	88.3	90.2	91.2	93.3	94.7	95.1	95.8	96.5	96.9	98.6	
57.8	66.4	74.2	81.2	84.2	88.3	90.2	91.2	93.4	94.8	95.3	96.2	96.9	97.2	99.0	
57.8	66.4	74.2	81.2	84.2	88.3	90.2	91.2	93.4	94.8	95.3	96.2	96.9	97.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1412

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24030 SEMBACH AB GERMANY 56-72

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
≥ [illegible]	28.2	31.0	33.5	36.5	37.2	37.8	38.5	39.2	39.6	39.9	40.0	40.2	40.5	40.5	40.7	
≥ [illegible]	32.9	36.1	39.0	42.6	43.6	44.6	45.5	46.2	46.7	47.2	47.3	47.5	47.8	47.8	48.0	
≥ [illegible]	33.0	36.2	39.1	42.7	43.8	44.8	45.9	46.3	46.8	47.2	47.4	47.6	47.9	47.9	48.1	
≥ [illegible]	33.0	36.2	39.1	42.7	43.8	44.8	45.9	46.3	46.8	47.2	47.4	47.6	47.9	47.9	48.1	
≥ 4000	33.2	36.5	39.4	43.0	44.3	45.5	46.3	46.7	47.2	47.7	47.9	48.0	48.3	48.3	48.5	
≥ 3000	34.0	37.4	40.4	44.0	45.2	46.3	47.4	47.8	48.3	48.8	48.9	49.1	49.4	49.4	49.5	
≥ 2500	35.5	39.2	42.6	46.3	47.6	48.6	49.7	50.2	50.8	51.2	51.4	51.5	51.9	51.9	52.1	
≥ 2000	37.5	41.3	44.8	48.7	50.1	51.2	52.3	52.7	53.3	53.7	53.9	54.1	54.4	54.4	54.6	
≥ 1800	40.2	44.6	48.6	52.6	54.6	55.8	57.2	57.7	58.3	58.8	59.0	59.1	59.5	59.5	59.7	
≥ 1500	42.5	47.0	51.2	55.7	57.6	58.9	60.4	60.9	61.5	62.0	62.2	62.4	62.8	62.8	63.1	
≥ 1200	45.4	50.2	54.5	59.5	61.3	62.6	64.1	64.6	65.5	65.9	66.1	66.4	66.8	66.8	67.0	
≥ 1000	47.2	52.3	57.5	62.9	64.9	66.4	67.8	68.4	69.3	69.6	70.0	70.2	70.7	70.7	70.9	
≥ 900	47.5	52.8	58.3	64.0	66.1	67.7	69.1	69.7	70.6	71.1	71.3	71.5	72.0	72.0	72.4	
≥ 800	48.8	54.3	60.0	66.2	68.4	70.0	71.5	72.1	73.1	73.5	73.8	74.0	74.5	74.5	74.9	
≥ 700	49.7	55.3	61.1	67.3	69.8	71.6	73.1	73.7	74.8	75.3	75.5	75.8	76.2	76.2	76.6	
≥ 600	50.4	56.4	62.3	68.5	71.0	72.8	74.4	75.1	76.4	76.9	77.1	77.3	77.8	77.8	78.2	
≥ 500	51.0	57.0	63.1	69.3	72.0	73.8	75.5	76.2	77.4	77.9	78.1	78.4	78.8	78.8	79.2	
≥ 400	52.4	58.6	65.1	71.5	74.2	76.2	77.8	78.5	79.7	80.2	80.4	80.7	81.1	81.1	81.5	
≥ 300	53.3	59.5	66.0	72.7	75.5	77.4	79.0	79.7	80.9	81.4	81.6	81.9	82.3	82.3	82.7	
≥ 200	54.3	61.3	68.2	74.9	77.6	79.7	81.3	82.0	83.2	83.8	84.0	84.2	84.7	84.7	85.1	
≥ 100	56.1	64.2	71.3	78.2	81.2	83.5	85.2	85.9	87.2	87.6	88.0	88.3	88.8	88.8	89.2	
≥ 0	56.4	64.6	72.4	79.7	82.8	85.2	86.9	87.6	88.9	89.5	89.8	90.1	90.5	90.5	90.9	
	56.7	65.0	73.0	80.5	83.6	86.0	87.7	88.4	89.8	90.3	90.6	90.9	91.4	91.4	91.8	
	56.9	65.4	73.7	81.7	84.9	87.5	89.2	89.9	91.3	91.9	92.1	92.5	92.9	92.9	93.3	
	57.0	65.7	74.2	82.6	85.9	88.9	90.9	91.6	93.0	93.6	93.8	94.1	94.6	94.6	95.0	
	57.2	65.9	74.7	83.2	86.6	89.6	91.8	92.5	93.9	94.5	94.8	95.1	95.6	95.6	95.9	
	57.2	66.2	75.5	84.2	87.6	90.7	93.0	93.7	95.2	95.9	96.1	96.5	96.9	96.9	97.3	
	57.2	66.2	75.5	84.3	87.6	90.8	93.2	94.0	95.7	96.5	96.8	97.1	97.6	97.6	98.1	
	57.2	66.2	75.5	84.3	87.6	90.8	93.3	94.1	95.9	96.8	97.1	97.6	98.2	98.2	98.7	
	57.2	66.2	75.5	84.3	87.6	90.9	93.4	94.2	96.1	97.1	97.4	97.9	98.6	98.6	99.2	
	57.2	66.2	75.5	84.3	87.6	90.9	93.4	94.2	96.1	97.1	97.4	97.9	98.8	98.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 1382

USAF ETAC [illegible] 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 34-72 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	2 1/2	2	1 3/4	1 1/2	1 1/4	1	7/8	3/4	5/8	1/2	3/8	1/4	1/8	0		
22000		31.2	33.4	34.9	35.7	36.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
20000		37.6	40.3	42.2	43.1	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
18000		37.9	40.7	42.5	43.4	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
17000		38.0	40.7	42.6	43.5	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
16000		38.2	40.9	42.8	43.8	44.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
15000		39.3	42.1	44.1	45.0	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
14000		41.1	44.0	46.2	47.1	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
13000		43.4	46.3	48.1	49.0	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
12000		46.1	49.2	51.3	52.3	52.6	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
11000		47.9	51.2	53.4	54.6	55.0	55.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
10000		49.7	53.4	55.8	57.0	57.4	57.9	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
9000		51.8	55.6	58.1	59.4	60.0	60.7	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
8000		52.4	56.4	58.9	60.6	61.2	62.0	62.4	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1
7000		54.6	58.9	61.4	63.1	63.8	64.7	65.2	65.6	65.8	66.0	66.0	66.0	66.0	66.0	66.0
6000		57.1	61.7	64.3	66.2	66.9	67.8	68.3	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2
5000		60.6	65.5	68.3	70.3	71.0	72.0	72.6	73.1	73.4	73.6	73.7	73.7	73.7	73.7	73.7
4500		64.3	69.4	72.3	74.5	75.4	76.6	77.4	78.1	78.4	78.6	78.7	78.7	78.7	78.7	78.7
4000		68.8	74.3	77.5	79.9	80.9	82.3	83.3	83.8	84.2	84.5	84.6	84.6	84.6	84.6	84.6
3500		70.3	76.1	79.4	81.9	82.9	84.3	85.3	86.0	86.4	86.7	86.8	86.8	86.8	86.8	86.8
3000		72.3	78.6	82.1	84.8	85.9	87.4	88.4	89.1	89.6	89.7	89.8	89.8	89.8	89.8	89.8
2500		74.6	81.0	84.8	87.6	88.8	90.4	91.6	92.7	93.3	93.4	93.4	93.4	93.5	93.5	93.5
2000		75.3	82.2	86.0	88.9	90.2	92.0	93.2	94.9	95.7	95.8	95.9	96.0	96.0	96.0	96.0
1800		75.3	82.2	86.0	88.9	90.2	92.0	93.2	94.9	95.7	96.7	96.8	96.9	97.0	97.0	97.0
1500		75.6	82.9	87.1	90.1	91.6	93.6	94.7	96.3	97.4	97.5	97.6	97.7	97.7	97.7	97.7
1200		75.7	83.3	87.6	90.8	92.3	94.3	95.7	97.2	98.3	98.3	98.4	98.5	98.6	98.7	98.7
1000		75.7	83.4	87.9	91.2	92.8	94.9	96.4	97.8	98.7	98.8	98.8	99.0	99.1	99.2	99.2
900		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
800		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
700		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
600		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
500		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
400		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
300		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
200		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
100		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	99.2	99.3	99.3
0		75.7	83.4	88.0	91.3	92.9	95.0	96.5	97.9	98.8	98.9	98.9	99.1	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1554

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

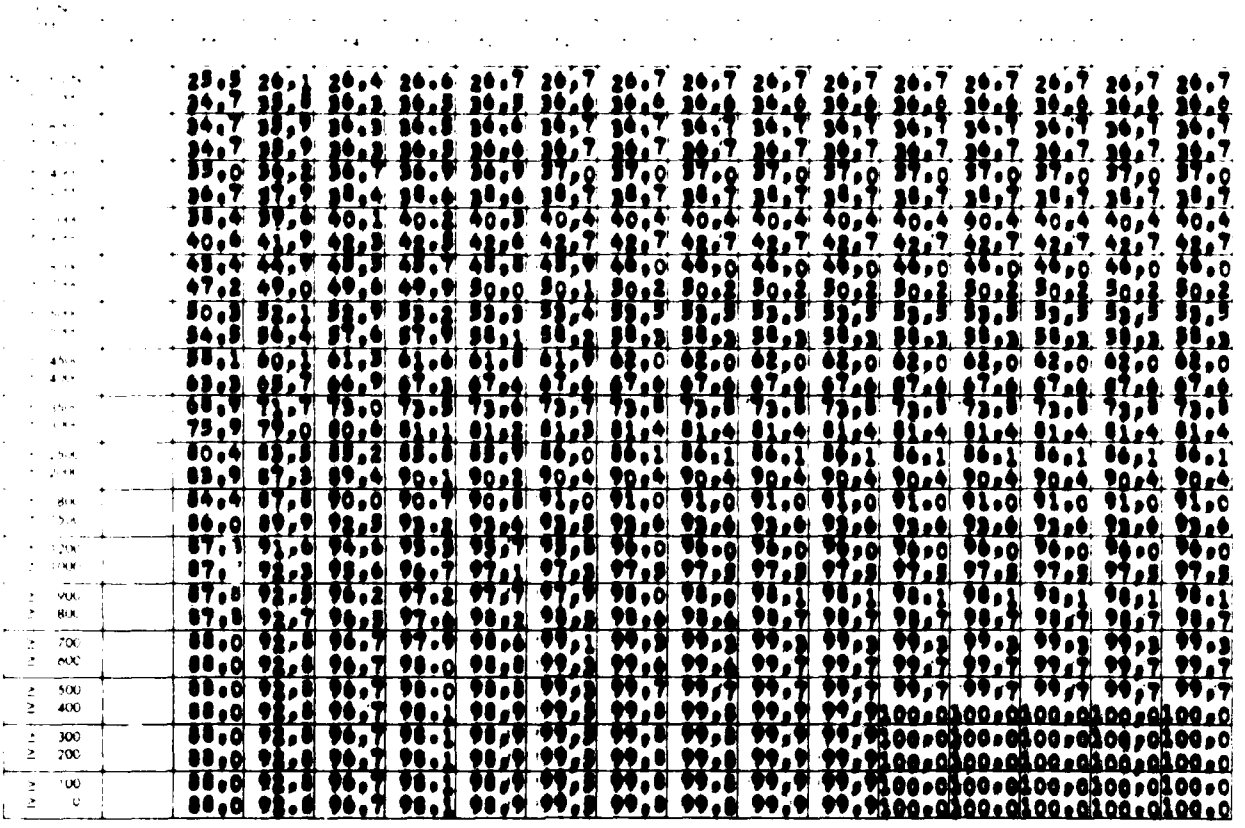
DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94096 SEMBACH AB GERMANY 54-72 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400C



TOTAL NUMBER OF OBSERVATIONS 1538

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

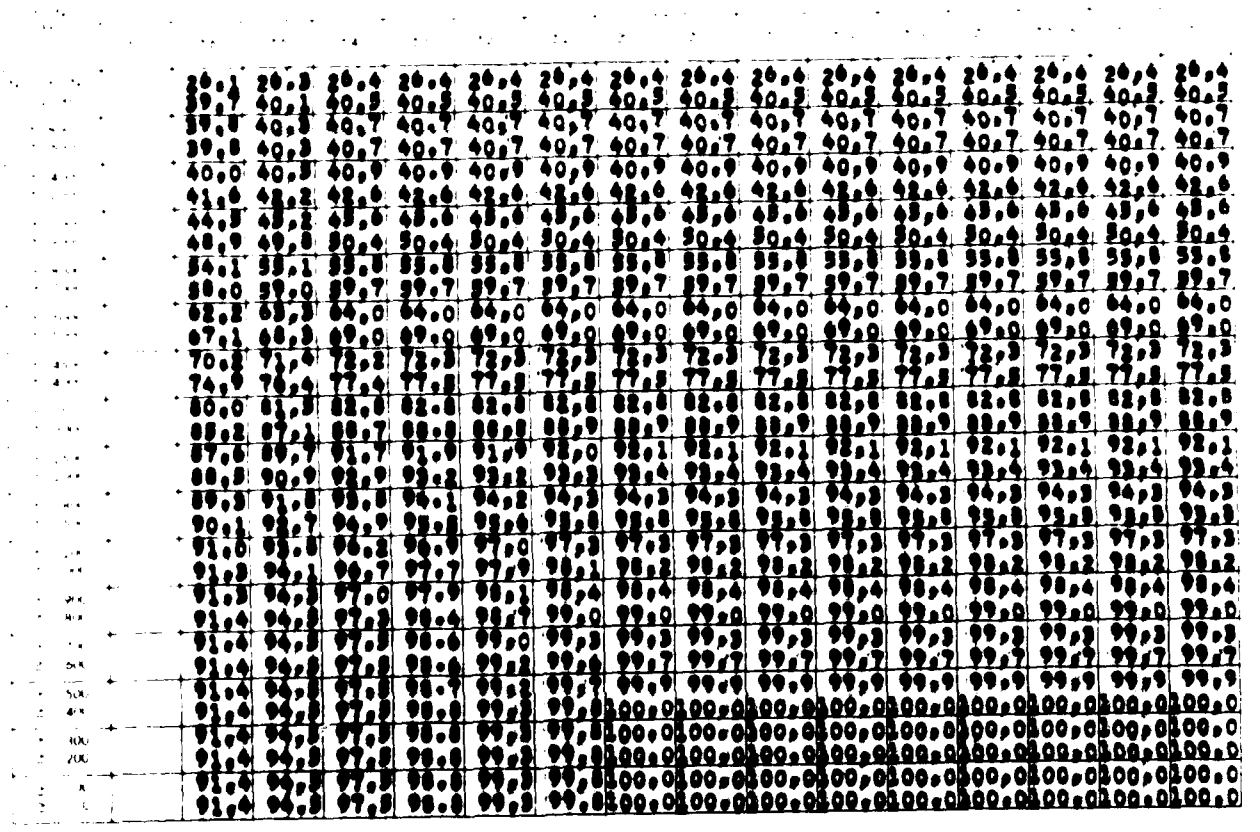
DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 54-72 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-1700



TOTAL NUMBER OF OBSERVATIONS 1837

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

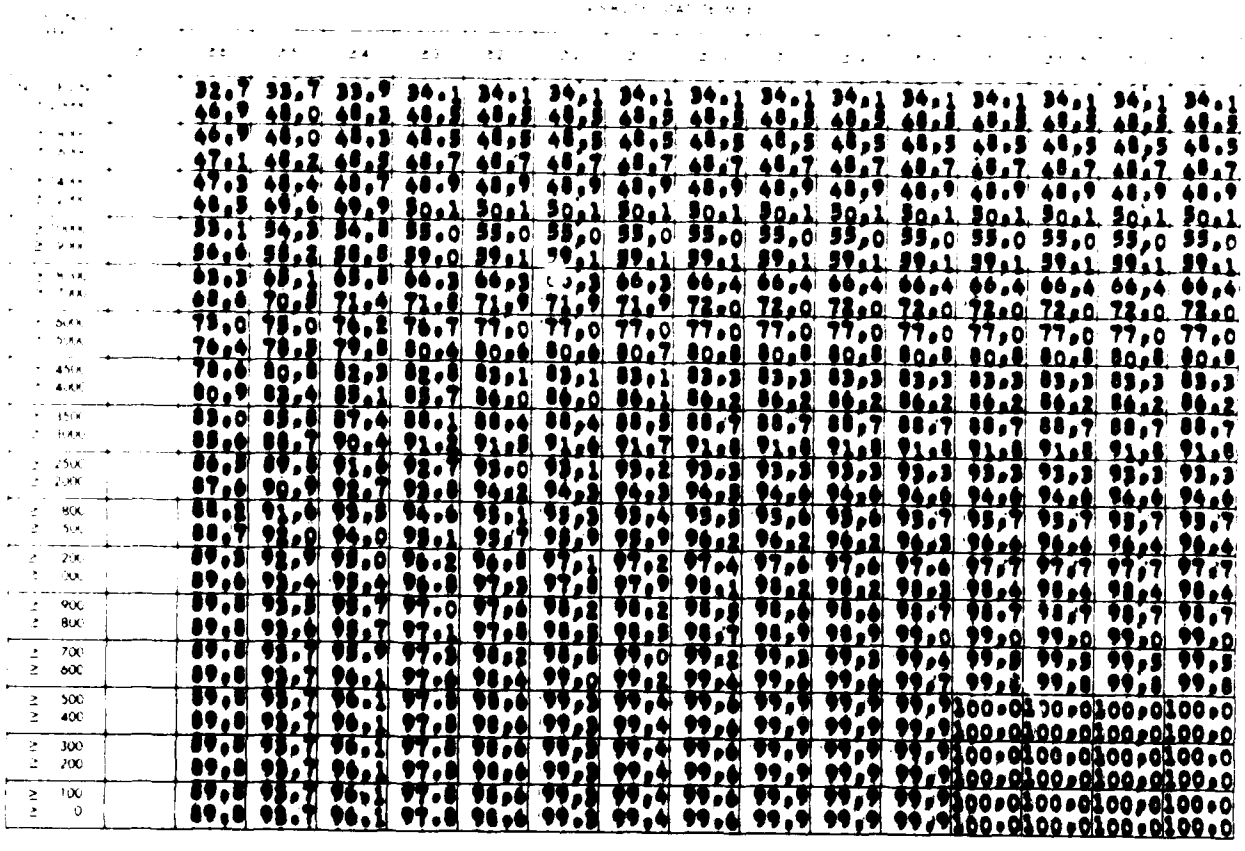
DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

30050 SEMBACH AB GERMANY 54-68,71 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000



TOTAL NUMBER OF OBSERVATIONS 1358

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

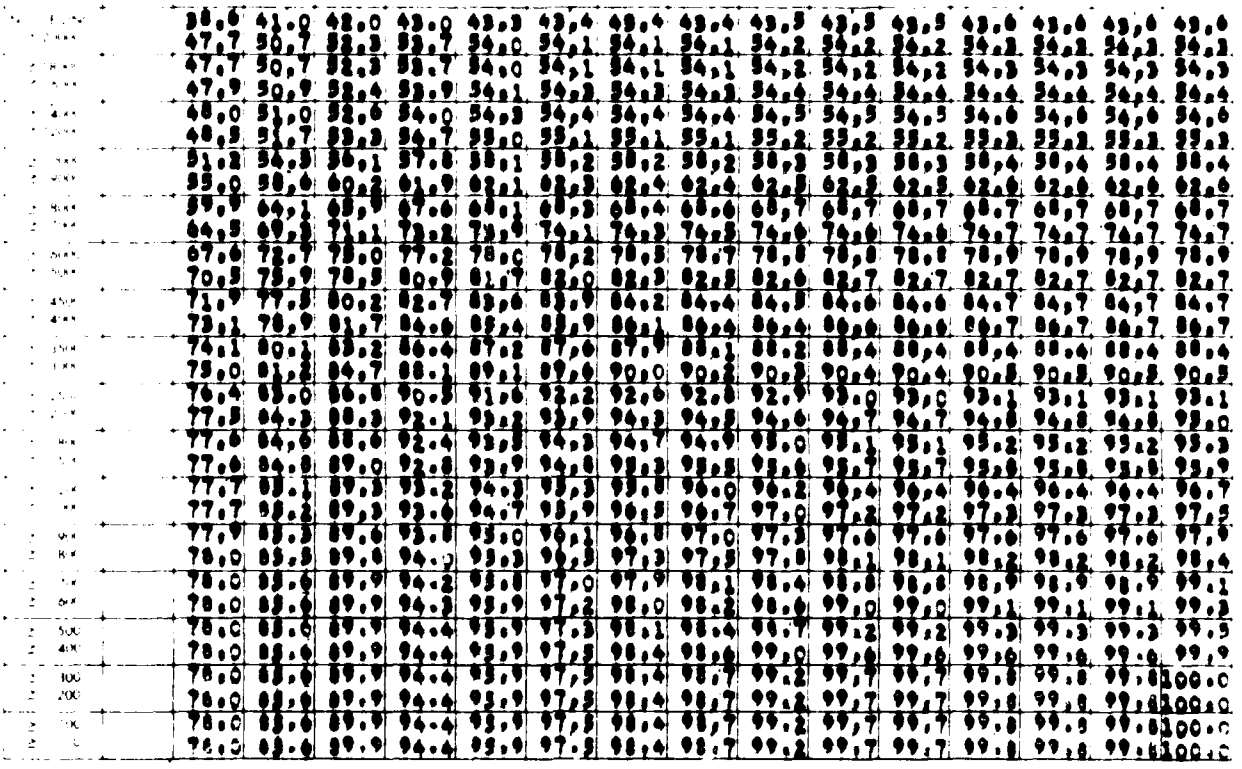
DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 54-68 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300



TOTAL NUMBER OF OBSERVATIONS 1380

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94056 SEMBACH AB GERMANY 53-69,71 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

43.8	46.9	49.1	50.9	51.8	52.9	53.2	53.4	53.6	53.8	53.8	53.8	54.0	54.0	54.3	
47.0	50.8	53.0	54.9	55.7	57.3	57.8	57.9	58.2	58.5	58.5	58.5	58.6	58.6	58.9	
47.0	50.8	53.0	54.9	55.7	57.3	57.8	57.9	58.2	58.5	58.5	58.5	58.6	58.6	58.9	
47.2	50.6	53.1	55.1	55.8	57.4	57.9	58.1	58.3	58.6	58.6	58.6	58.7	58.7	59.1	
47.3	50.8	53.2	55.2	55.9	57.6	58.0	58.2	58.5	58.7	58.7	58.7	58.9	58.9	59.2	
47.9	51.4	53.9	55.9	56.6	58.2	58.7	58.9	59.1	59.4	59.4	59.4	59.5	59.5	59.8	
49.3	53.0	55.6	57.6	58.3	59.9	60.4	60.6	60.8	61.1	61.1	61.1	61.2	61.2	61.5	
52.1	55.9	58.7	60.7	61.4	63.0	63.5	63.7	64.0	64.2	64.2	64.2	64.4	64.4	64.7	
56.4	60.4	63.3	65.7	66.4	68.2	68.7	68.9	69.2	69.5	69.5	69.5	69.7	69.7	70.0	
59.8	64.2	67.4	70.1	70.9	72.7	73.2	73.4	73.7	74.0	74.0	74.0	74.2	74.2	74.5	
62.7	67.0	70.7	73.8	74.7	76.5	77.0	77.2	77.5	77.8	77.8	77.8	78.0	78.0	78.3	
64.7	69.6	73.4	76.9	77.9	79.9	80.5	80.7	81.0	81.3	81.3	81.3	81.5	81.5	81.8	
65.7	70.6	74.5	78.3	79.5	81.6	82.2	82.4	82.7	83.0	83.0	83.0	83.2	83.2	83.5	
66.8	71.9	76.3	80.2	81.2	83.5	84.1	84.3	84.7	85.0	85.0	85.0	85.2	85.2	85.5	
68.7	74.1	78.7	82.8	83.8	85.9	86.6	86.8	87.2	87.4	87.4	87.4	87.6	87.6	88.0	
70.0	75.4	80.0	83.8	84.8	87.4	88.1	88.4	88.8	89.0	89.0	89.0	89.2	89.2	89.5	
70.3	75.7	80.3	84.6	85.7	88.2	88.9	89.2	89.7	89.9	89.9	89.9	90.1	90.1	90.5	
71.3	77.0	81.7	85.9	87.2	89.8	90.3	90.6	91.1	91.4	91.4	91.4	91.6	91.6	91.9	
71.6	77.4	82.0	86.2	87.5	89.9	90.6	91.0	91.4	91.7	91.7	91.7	91.9	91.9	92.2	
72.1	78.1	82.9	87.2	88.5	90.9	91.8	92.0	92.3	92.6	92.6	92.6	92.8	92.8	93.2	
73.1	79.2	84.0	88.4	89.9	92.4	93.1	93.3	94.0	94.3	94.3	94.3	94.5	94.5	94.8	
73.3	79.5	84.4	88.7	91.1	93.7	94.4	94.8	95.3	95.6	95.6	95.6	95.8	95.8	96.1	
73.3	79.5	84.5	89.0	91.4	94.2	95.0	95.4	95.9	96.1	96.1	96.1	96.3	96.3	96.7	
73.7	80.3	85.7	90.6	92.2	94.9	95.7	96.1	96.5	96.9	96.9	96.9	97.1	97.1	97.4	
73.7	80.4	85.7	90.8	92.3	95.2	95.9	96.3	96.8	97.1	97.1	97.1	97.3	97.3	97.6	
73.7	80.4	85.8	91.2	92.7	95.6	96.4	96.8	97.3	97.6	97.6	97.6	97.8	97.8	98.2	
73.7	80.5	85.9	91.4	93.1	95.9	96.8	97.2	97.8	98.2	98.2	98.2	98.4	98.4	98.7	
73.7	80.5	85.9	91.4	93.1	96.1	97.0	97.4	98.0	98.4	98.4	98.4	98.6	98.6	98.9	
73.7	80.5	85.9	91.4	93.1	96.2	97.2	97.6	98.2	98.6	98.6	98.6	98.8	98.8	99.1	
73.7	80.5	85.9	91.4	93.1	96.2	97.4	97.8	98.4	98.8	98.9	98.9	99.2	99.2	99.4	
73.7	80.5	85.9	91.4	93.1	96.4	97.4	97.8	98.6	99.0	99.0	99.0	99.2	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1329

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING (FEET) \ VISIBILITY (STATUTE MILES)	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 3/4	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	< 1/8
≥ 20000	31.2	35.0	38.0	40.3	40.9	42.6	43.7	44.3	44.6	45.1	45.2	45.6	45.8	45.8	47.3
≥ 15000	34.7	38.7	42.1	45.3	46.0	47.9	49.1	49.8	50.2	50.6	50.8	51.1	51.4	51.4	52.9
≥ 10000	34.7	38.7	42.1	45.3	46.0	47.9	49.1	49.8	50.2	50.6	50.8	51.1	51.4	51.4	52.9
≥ 9000	34.7	38.7	42.1	45.3	46.0	47.9	49.1	49.8	50.2	50.6	50.8	51.1	51.4	51.4	52.9
≥ 8000	35.0	39.0	42.3	45.7	46.4	48.3	49.5	50.2	50.6	51.0	51.1	51.5	51.8	51.8	53.2
≥ 7000	35.2	39.2	42.8	46.1	46.8	48.7	49.9	50.6	51.0	51.4	51.5	51.9	52.2	52.2	53.6
≥ 6000	36.6	40.7	44.7	48.0	48.7	50.7	52.0	52.7	53.1	53.5	53.7	54.1	54.3	54.3	55.8
≥ 5000	39.4	43.6	47.7	51.1	51.8	53.7	55.1	55.9	56.3	56.7	56.8	57.2	57.5	57.5	58.9
≥ 4500	44.3	49.0	53.3	57.0	57.7	59.8	61.2	62.0	62.3	62.9	63.1	63.4	63.8	63.8	65.3
≥ 4000	46.8	52.1	56.9	60.6	61.5	63.8	65.5	66.3	66.7	67.4	67.5	67.9	68.3	68.3	69.8
≥ 3500	49.0	54.4	59.4	63.1	64.2	66.9	68.6	69.4	69.8	70.5	70.6	71.0	71.4	71.4	72.9
≥ 3000	51.5	57.1	62.2	66.4	67.5	70.5	72.2	73.0	73.4	74.1	74.2	74.7	75.0	75.0	76.6
≥ 2500	52.5	58.2	63.5	67.9	69.1	72.1	73.9	74.7	75.2	75.8	75.9	76.4	76.7	76.7	78.3
≥ 2000	53.7	59.8	65.0	69.4	70.7	73.9	75.7	76.5	76.9	77.6	77.8	78.2	78.6	78.6	80.2
≥ 1800	55.0	61.3	67.0	71.7	72.9	76.2	78.1	79.0	79.4	80.2	80.4	80.9	81.2	81.2	82.8
≥ 1500	56.3	62.6	68.3	74.0	75.2	78.5	80.4	81.4	82.0	82.8	82.8	83.3	83.7	83.7	85.2
≥ 1200	57.4	64.1	70.1	75.8	76.9	80.2	82.1	83.1	83.7	84.5	84.5	85.0	85.4	85.4	86.9
≥ 1000	58.2	65.3	71.7	76.7	77.9	81.2	83.2	84.2	85.2	85.9	86.1	86.6	86.9	86.9	88.5
≥ 900	58.6	66.2	72.0	77.0	78.3	81.9	83.8	85.0	85.8	86.5	86.8	86.9	87.3	87.3	88.9
≥ 800	58.9	66.9	72.9	78.2	79.2	83.2	85.2	86.4	87.1	87.9	88.1	88.2	89.0	89.0	90.6
≥ 700	60.2	68.2	74.2	79.8	81.2	85.2	87.2	88.3	89.0	89.8	90.0	90.4	90.9	90.9	92.5
≥ 600	60.7	69.1	75.2	80.8	82.3	86.4	88.5	89.6	90.3	91.1	91.3	91.7	92.1	92.1	93.7
≥ 500	61.1	69.6	75.8	81.6	83.2	87.3	89.4	90.5	91.2	92.0	92.1	92.6	93.0	93.0	94.6
≥ 400	61.3	70.0	76.2	82.1	83.7	87.9	90.0	91.1	91.8	92.6	92.8	93.2	93.7	93.7	95.2
≥ 300	61.3	70.1	76.4	82.3	83.9	88.2	90.4	91.6	92.3	93.0	93.2	93.7	94.1	94.1	95.7
≥ 200	61.3	70.2	76.6	82.4	84.2	88.6	90.9	92.1	92.9	93.7	93.9	94.3	94.7	94.7	96.4
≥ 100	61.4	70.2	76.8	82.6	84.4	89.1	91.3	92.6	93.5	94.4	94.6	95.1	95.5	95.5	97.1
≥ 0	61.4	70.2	76.9	82.7	84.8	89.4	91.9	93.0	94.0	95.0	95.2	95.8	96.1	96.1	97.8
	61.4	70.2	76.9	82.7	84.9	89.5	92.2	93.4	94.6	95.6	95.8	96.2	96.7	96.7	98.5
	61.4	70.2	76.9	82.7	84.9	89.5	92.3	93.4	94.9	96.0	96.2	96.6	97.2	97.2	99.2
	61.4	70.2	76.9	82.7	84.9	89.5	92.3	93.6	94.9	96.0	96.2	96.6	97.2	97.2	99.7
	61.4	70.2	76.9	82.7	84.9	89.5	92.3	93.6	94.9	96.0	96.2	96.6	97.2	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1378

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 51-72 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

26.8	30.0	33.5	36.5	37.4	38.4	39.3	39.6	40.1	40.2	40.4	40.4	40.4	40.4	41.3
30.3	34.2	38.2	41.7	42.8	44.1	45.1	45.4	45.9	46.1	46.2	46.2	46.2	46.4	47.3
30.4	34.3	38.4	41.8	42.9	44.2	45.2	45.5	46.1	46.2	46.4	46.4	46.4	46.5	47.4
30.4	34.3	38.4	41.8	42.9	44.2	45.2	45.5	46.1	46.2	46.4	46.4	46.4	46.5	47.4
31.0	34.9	39.0	42.4	43.5	44.8	45.8	46.1	46.7	46.8	47.0	47.0	47.0	47.1	48.0
31.3	35.3	39.4	42.8	43.9	45.2	46.2	46.5	47.1	47.2	47.4	47.4	47.4	47.5	48.4
32.5	36.6	40.8	44.2	45.4	46.8	47.7	48.0	48.6	48.7	48.9	48.9	49.0	49.1	50.1
34.2	38.7	42.9	46.4	47.6	49.0	50.0	50.3	50.9	51.0	51.2	51.2	51.3	51.4	52.4
37.7	42.6	47.0	50.9	52.3	53.7	54.8	55.1	55.7	55.9	56.1	56.1	56.2	56.2	57.3
40.8	45.9	51.0	55.4	57.1	58.7	59.9	60.2	60.9	61.3	61.5	61.5	61.6	61.6	62.7
43.3	48.5	54.2	58.9	60.6	62.2	63.4	63.7	64.5	64.9	65.1	65.1	65.2	65.2	66.3
45.4	51.3	57.3	62.2	63.9	65.6	66.9	67.3	68.1	68.6	68.7	68.7	68.8	68.8	70.0
46.1	52.5	58.6	63.5	65.2	66.9	68.3	68.6	69.5	70.0	70.2	70.2	70.3	70.4	71.5
47.6	54.2	60.4	65.3	67.3	69.2	70.6	71.0	71.9	72.3	72.6	72.6	72.8	72.8	73.9
48.7	55.4	62.0	67.3	69.2	71.2	72.6	73.1	74.0	74.7	74.8	74.8	75.0	75.0	76.1
50.2	57.1	63.8	69.3	71.2	73.1	74.6	75.0	76.1	76.9	77.0	77.1	77.3	77.3	78.5
51.5	58.7	65.5	71.3	73.3	75.3	77.2	77.6	78.7	79.5	79.7	79.8	79.9	80.0	81.2
53.0	60.4	67.6	73.1	75.3	77.7	79.4	79.8	80.9	81.6	81.9	82.1	82.2	82.2	83.5
53.6	61.0	68.1	73.9	76.1	78.6	80.2	80.6	81.9	82.7	82.9	83.1	83.2	83.2	84.5
54.9	62.5	69.9	75.7	78.0	80.5	82.3	82.7	84.0	84.8	85.0	85.2	85.3	85.4	86.6
56.8	64.8	72.6	78.6	81.1	83.5	85.4	85.8	87.3	88.1	88.3	88.5	88.6	88.7	89.9
57.8	66.4	74.4	80.6	83.2	85.8	87.7	88.3	89.8	90.5	90.8	90.9	91.1	91.1	92.4
58.3	67.1	75.4	81.9	84.4	87.2	89.1	89.8	91.2	92.0	92.2	92.4	92.5	92.6	93.8
58.7	67.7	76.3	82.9	85.8	88.6	90.7	91.4	93.0	93.8	94.0	94.2	94.3	94.4	95.6
58.9	67.9	76.4	83.2	86.3	89.6	91.8	92.5	93.9	94.7	95.0	95.1	95.3	95.3	96.6
58.9	68.0	76.7	83.6	86.7	89.9	92.1	93.0	94.0	94.9	95.2	95.4	95.6	95.7	97.0
58.9	68.0	76.7	83.6	86.7	90.1	92.4	93.2	94.3	95.2	95.5	95.7	95.9	96.0	97.3
58.9	68.0	76.7	83.7	86.8	90.2	92.5	93.3	94.4	95.3	95.6	95.8	96.0	96.1	97.4
58.9	68.0	76.7	83.7	86.9	90.3	92.7	93.5	94.6	95.4	95.8	96.0	96.2	96.3	97.6
58.9	68.0	76.7	83.7	86.9	90.3	92.7	93.5	94.6	95.5	95.9	96.1	96.3	96.4	97.7
58.9	68.0	76.7	83.7	86.9	90.3	92.7	93.5	94.6	95.5	95.9	96.1	96.3	96.4	97.7
58.9	68.0	76.8	83.8	86.9	90.3	92.7	93.6	94.6	95.5	95.9	96.1	96.3	96.4	97.7

TOTAL NUMBER OF OBSERVATIONS 1689

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

94096 SEMBACH AB GERMANY 53-72 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-1100

29.0	31.6	33.1	33.9	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
35.4	38.3	39.9	41.0	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
35.4	38.3	39.9	41.0	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
35.5	38.5	40.1	41.2	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
36.0	39.0	40.6	41.8	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
36.4	39.4	41.0	42.1	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
37.7	40.8	42.5	43.6	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
39.8	43.0	44.8	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
43.1	46.9	48.8	49.9	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
46.7	50.8	53.2	54.5	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
49.1	53.6	56.5	57.9	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
52.1	57.0	60.1	61.4	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
53.2	58.3	61.4	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
55.2	60.5	63.6	65.2	65.5	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
57.9	63.4	66.7	68.4	68.8	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
61.3	67.1	70.9	72.8	73.3	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
66.9	72.8	76.8	78.8	79.4	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
71.0	77.4	81.6	83.6	84.3	84.7	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
72.5	79.1	83.4	85.4	86.2	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
74.7	81.9	86.5	88.8	89.6	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
77.2	84.9	89.9	92.4	93.2	93.8	94.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4
77.6	85.9	91.2	93.8	94.7	95.3	95.6	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
77.9	86.2	91.6	94.4	95.3	96.0	96.3	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.8
77.9	86.4	91.8	94.7	95.8	96.4	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
78.0	86.6	92.1	95.2	96.4	97.2	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
78.1	86.7	92.4	95.6	96.9	97.6	98.2	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
78.1	86.7	92.4	95.6	97.0	97.9	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
78.1	86.7	92.4	95.7	97.1	98.1	98.8	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
78.1	86.7	92.4	95.7	97.1	98.2	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 1680

DATA PROCESSING BRA H
USAF ETAC
AIR WEATHER SERVICE/ A

CEILING VERSUS VISIBILITY

34056 SEMBACH A GER [illegible] [illegible]9-72 [illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

120[illegible]-140[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	42.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	44.7	44.9	44.9	44.9	[illegible]	44.9	44.9	[illegible]	[illegible]	44.9	[illegible]	[illegible]	[illegible]
45.3	[illegible]	45.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	51.5	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
[illegible]	[illegible]	55.5	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
57.4	58.9	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
59.8	61.3	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
64.6	66.2	67.2	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
69.1	71.0	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
76.5	78.8	80.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
81.8	84.7	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
85.6	88.8	91.5	92.0	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
86.6	89.9	92.8	93.4	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
87.6	91.4	94.4	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
88.4	92.5	95.7	96.5	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
88.9	93.1	96.4	97.3	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
89.0	93.4	96.7	97.7	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
89.0	93.6	97.0	98.0	98.2	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
89.1	93.6	97.2	98.1	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
89.1	93.8	97.3	98.3	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
89.1	93.8	97.3	98.4	98.8	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
89.1	93.8	97.3	98.4	98.8	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
89.1	93.8	97.3	98.4	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
89.1	93.8	97.3	98.4	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
89.1	93.8	97.3	98.4	98.8	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
89.2	93.8	97.3	98.5	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1083

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY 59-72 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

29.7	30.4	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
40.0	40.9	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.0	40.9	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.0	40.9	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
40.4	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
41.6	42.4	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
44.9	45.8	46.4	46.4	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
47.0	47.9	48.6	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
52.6	53.7	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
58.4	59.6	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
62.6	64.0	64.9	65.0	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
67.2	68.8	69.8	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
70.0	71.8	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
74.0	76.2	77.2	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
77.7	79.8	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
82.6	85.0	86.5	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
87.2	89.8	91.5	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
89.4	92.4	94.1	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
90.0	93.0	94.8	95.1	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
90.8	94.2	96.1	96.4	96.7	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
91.3	94.9	97.0	97.4	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
91.4	94.9	97.1	97.6	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
91.6	95.2	97.4	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
91.9	95.6	97.9	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
91.9	95.7	98.0	98.8	99.1	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
91.9	95.7	98.0	99.1	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.9	95.7	98.0	99.1	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
91.9	95.7	98.0	99.1	99.5	99.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1082

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94056 SEMBACH AB GERMANY 53-69 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

34.4	35.1	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
46.3	47.5	47.9	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
46.4	47.6	48.0	48.3	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
46.6	47.8	48.3	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
47.2	48.4	48.9	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
49.1	50.2	50.7	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
51.5	53.0	53.6	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
54.5	56.0	56.7	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
60.3	62.1	62.9	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
68.3	70.6	71.5	72.0	72.0	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
73.1	75.4	76.5	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
78.1	80.7	82.0	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
79.4	82.3	83.6	84.3	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
81.5	84.5	86.0	86.9	86.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
83.0	86.3	87.9	88.8	88.8	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
85.0	88.6	90.3	91.3	91.3	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
86.9	90.7	92.5	93.5	93.6	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
87.7	91.7	93.6	94.6	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
88.2	92.3	94.3	95.2	95.4	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
88.9	9_.3	95.4	96.4	96.6	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
89.3	93.9	96.1	97.1	97.3	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
89.3	94.1	96.2	97.4	97.6	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
89.4	94.2	96.4	97.7	97.8	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
89.5	94.3	96.5	97.8	98.0	98.5	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
89.6	94.3	96.7	97.9	98.2	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
89.6	94.4	96.7	98.2	98.5	99.0	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
89.6	94.4	96.7	98.2	98.6	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
89.6	94.4	96.7	98.2	98.6	99.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
89.6	94.4	96.7	98.2	98.6	99.3	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
89.6	94.4	96.7	98.2	98.6	99.3	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
89.6	94.4	96.7	98.2	98.6	99.3	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
89.6	94.4	96.7	98.2	98.6	99.3	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1333

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY 53-69 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

40.5	42.7	44.3	45.9	46.2	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	47.0	
47.6	50.0	52.0	53.8	54.1	54.7	54.9	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.2	
47.6	50.1	52.1	53.8	54.1	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.3	
47.7	50.2	52.1	53.9	54.2	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.3	
47.9	50.4	52.4	54.1	54.5	55.1	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.6	
48.9	51.4	53.4	55.3	55.6	56.3	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.8	
50.7	53.2	55.2	57.1	57.5	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.6	
53.1	56.1	58.2	60.2	60.5	61.4	61.6	61.6	61.7	61.7	61.7	61.7	61.8	61.8	62.0	
57.7	61.2	63.7	65.9	66.3	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.7	
63.0	66.9	69.7	72.0	72.4	73.4	73.5	73.6	73.6	73.7	73.7	73.7	73.9	73.9	74.0	
66.5	70.6	73.5	76.4	77.0	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.6	78.6	78.7	
70.0	74.8	78.3	81.1	81.8	82.8	83.0	83.0	83.1	83.2	83.2	83.2	83.4	83.4	83.5	
70.8	75.7	79.3	82.3	83.1	84.1	84.3	84.3	84.4	84.5	84.5	84.5	84.7	84.7	84.8	
72.4	77.3	81.3	84.4	85.3	86.3	86.4	86.5	86.6	86.6	86.6	86.6	86.8	86.8	87.0	
73.9	79.1	83.3	86.6	87.5	88.5	88.6	88.7	88.8	88.8	88.8	88.8	89.0	89.0	89.2	
75.2	80.8	85.0	88.5	89.3	90.4	90.5	90.6	90.7	90.7	90.7	90.7	90.9	90.9	91.1	
76.6	82.4	86.8	90.5	91.4	92.9	93.0	93.1	93.2	93.2	93.2	93.2	93.4	93.4	93.5	
78.3	84.1	88.6	92.3	93.2	94.8	94.9	95.0	95.0	95.1	95.1	95.1	95.3	95.3	95.4	
78.5	84.2	88.8	92.4	93.4	95.0	95.1	95.2	95.2	95.3	95.3	95.3	95.5	95.5	95.6	
78.7	84.6	89.2	93.0	93.9	95.5	95.6	95.7	95.8	95.8	95.8	95.8	96.0	96.0	96.2	
78.9	85.1	90.0	93.8	94.8	96.5	96.7	96.7	96.8	96.9	96.9	96.9	97.1	97.1	97.2	
79.0	85.4	90.3	94.3	95.2	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.5	97.5	97.7	
79.3	85.6	90.5	94.7	95.5	97.3	97.4	97.7	97.8	97.8	97.8	97.8	98.0	98.0	98.2	
79.3	85.7	90.9	94.8	95.9	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.2	98.2	98.4	
79.3	85.8	91.0	95.0	96.1	97.9	98.0	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.6	
79.3	85.9	91.3	95.3	96.6	98.4	98.6	98.6	98.7	98.8	98.8	98.8	99.0	99.0	99.1	
79.4	86.0	91.3	95.3	96.8	98.6	98.8	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3	
79.4	86.0	91.3	95.3	96.8	98.6	98.8	99.0	99.1	99.2	99.2	99.2	99.4	99.4	99.5	
79.4	86.0	91.3	95.3	96.8	98.6	98.9	99.1	99.2	99.2	99.3	99.4	99.6	99.6	99.7	
79.4	86.0	91.3	95.3	96.8	98.6	98.9	99.1	99.2	99.2	99.3	99.5	99.7	99.7	99.9	
79.4	86.0	91.3	95.3	96.8	98.6	99.0	99.2	99.2	99.3	99.4	99.5	99.8	99.8	100.0	
79.4	86.0	91.3	95.3	96.8	98.6	99.0	99.2	99.2	99.3	99.4	99.5	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 1533

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94036 SEMBACH AB GERMANY 53-69 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

40.8	44.4	47.3	49.4	50.1	51.5	51.9	52.1	52.5	52.9	52.9	53.0	53.2	53.4	53.9	
44.8	48.8	52.0	54.1	54.8	56.4	56.9	57.1	57.6	57.9	57.9	58.1	58.1	58.3	59.0	
44.8	48.8	52.0	54.1	54.8	56.4	56.9	57.1	57.6	57.9	57.9	58.1	58.3	58.5	59.0	
44.8	48.9	52.0	54.1	54.9	56.5	57.0	57.2	57.6	58.0	58.0	58.1	58.4	58.5	59.1	
45.0	49.0	52.2	54.3	55.1	56.7	57.2	57.4	57.8	58.1	58.1	58.3	58.6	58.7	59.3	
46.1	50.1	53.2	55.3	56.2	57.8	58.3	58.5	58.9	59.2	59.2	59.4	59.7	59.8	60.4	
47.5	51.5	54.8	57.0	57.9	59.5	60.1	60.2	60.7	61.0	61.0	61.2	61.5	61.6	62.2	
50.3	54.5	58.0	60.5	61.5	63.2	63.7	63.9	64.4	64.7	64.7	64.9	65.1	65.3	65.8	
54.3	58.9	62.8	65.6	66.5	68.3	68.9	69.1	69.5	70.0	70.0	70.2	70.4	70.5	71.1	
57.6	62.4	66.5	69.3	70.2	72.0	72.6	72.8	73.3	73.7	73.7	74.0	74.2	74.4	74.9	
59.5	64.8	69.1	72.1	73.2	75.1	75.8	76.1	76.5	77.0	77.0	77.3	77.5	77.7	78.2	
60.9	66.5	71.3	74.6	75.7	77.7	78.4	78.6	79.1	79.6	79.6	80.0	80.2	80.3	81.0	
61.8	67.7	72.8	76.0	77.2	79.2	79.9	80.2	80.7	81.2	81.2	81.5	81.7	81.9	82.5	
63.0	69.1	74.4	77.7	78.9	81.0	81.7	81.9	82.4	83.0	83.0	83.3	83.5	83.7	84.3	
63.6	69.8	75.1	78.4	79.6	81.7	82.4	82.6	83.2	83.7	83.7	84.0	84.3	84.4	85.1	
64.1	70.4	75.8	79.3	80.3	82.8	83.3	83.8	84.4	84.9	84.9	85.2	85.4	85.6	86.2	
65.1	71.7	77.4	80.9	82.2	84.4	85.2	85.6	86.2	86.7	86.7	87.1	87.3	87.5	88.1	
66.0	72.6	78.4	81.9	83.3	85.7	86.5	86.9	87.5	88.0	88.0	88.4	88.6	88.7	89.4	
66.2	73.1	78.9	82.5	84.0	86.3	87.2	87.5	88.1	88.6	88.6	89.0	89.2	89.4	90.0	
66.7	74.0	80.2	83.9	85.4	87.8	88.7	89.1	89.6	90.1	90.1	90.5	90.8	90.9	91.5	
67.4	74.8	81.6	85.4	87.0	89.6	90.5	90.8	91.4	91.9	91.9	92.3	92.6	92.7	93.3	
67.7	75.4	82.6	86.6	88.2	90.8	91.9	92.3	92.9	93.4	93.4	93.8	94.1	94.2	94.8	
67.9	75.7	83.1	87.2	88.8	91.4	92.5	92.9	93.4	94.0	94.0	94.4	94.7	94.8	95.4	
68.1	76.1	83.8	88.1	89.8	92.4	93.5	93.9	94.5	95.0	95.0	95.4	95.7	95.9	96.5	
68.2	76.2	84.0	88.4	90.2	92.9	94.1	94.5	95.1	95.6	95.7	96.1	96.4	96.5	97.1	
68.4	76.4	84.4	88.8	90.6	93.4	94.7	95.1	95.8	96.3	96.4	96.8	97.1	97.2	97.8	
68.4	76.8	84.8	89.3	91.4	94.4	95.7	96.1	96.8	97.3	97.4	97.8	98.1	98.2	98.9	
68.5	77.0	85.0	89.7	91.6	94.6	96.0	96.4	97.1	97.6	97.6	98.0	98.3	98.4	99.1	
68.5	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	99.6	
68.5	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	99.6	
68.5	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	99.9	
68.5	77.0	85.0	89.8	91.8	94.8	96.3	96.7	97.4	98.0	98.1	98.5	98.8	98.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 1372

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

Ceiling (ft)															
NO CEIL	29.1	33.6	36.8	38.9	40.1	41.5	42.7	43.6	44.1	45.0	45.3	45.6	46.4	46.5	48.1
≥ 20000	31.7	36.7	40.2	42.3	43.5	45.0	46.2	47.3	47.8	48.8	49.1	49.4	50.3	50.4	52.3
≥ 18000	31.7	36.7	40.2	42.3	43.6	45.1	46.3	47.3	47.8	48.8	49.1	49.4	50.4	50.5	52.5
≥ 16000	31.7	36.7	40.2	42.3	43.6	45.1	46.3	47.3	47.8	48.8	49.1	49.4	50.4	50.5	52.5
≥ 14000	31.9	36.9	40.4	42.5	43.8	45.2	46.5	47.5	48.0	49.0	49.3	49.6	50.6	50.7	52.7
≥ 12000	32.7	37.7	41.2	43.4	44.6	46.2	47.4	48.5	49.0	49.9	50.2	50.6	51.5	51.6	53.6
≥ 10000	34.4	39.5	43.0	45.2	46.5	48.0	49.3	50.4	50.9	52.0	52.3	52.6	53.5	53.6	55.7
≥ 9000	36.6	41.9	45.9	48.3	49.8	51.5	52.8	54.0	54.4	55.5	55.8	56.1	57.0	57.2	59.3
≥ 8000	40.6	46.1	50.3	53.0	54.5	56.5	57.8	59.0	59.5	60.6	60.9	61.2	62.2	62.3	64.5
≥ 7000	43.3	49.0	53.5	56.3	58.0	60.0	61.5	62.7	63.2	64.3	64.8	65.1	66.0	66.2	68.4
≥ 6000	45.6	51.3	55.8	58.8	60.3	62.3	64.0	65.2	65.9	67.2	67.6	68.0	68.9	69.0	71.2
≥ 5000	46.9	53.0	57.7	61.1	62.8	64.9	66.5	67.8	68.5	70.0	70.4	70.8	71.7	71.9	74.1
≥ 4500	47.8	54.2	59.1	62.7	64.4	66.5	68.1	69.4	70.2	71.7	72.1	72.5	73.4	73.5	75.7
≥ 4000	49.1	55.9	61.0	64.7	66.6	68.9	70.6	72.0	72.7	74.2	74.6	75.0	75.9	76.0	78.3
≥ 3500	49.9	56.9	62.2	65.8	67.7	70.1	71.8	73.1	73.9	75.4	75.8	76.2	77.1	77.2	79.4
≥ 3000	50.5	57.8	63.1	66.7	68.6	71.0	72.8	74.1	74.9	76.4	76.8	77.2	78.1	78.3	80.5
≥ 2500	51.5	59.1	64.7	68.5	70.6	73.1	75.1	76.4	77.2	78.6	79.1	79.4	80.4	80.6	82.8
≥ 2000	52.5	60.2	65.9	69.8	72.0	74.6	76.5	77.9	78.7	80.2	80.6	81.0	82.0	82.1	84.3
≥ 1800	53.1	60.9	66.7	70.6	72.8	75.5	77.4	78.8	79.6	81.0	81.5	81.9	82.8	83.0	85.2
≥ 1500	54.2	62.3	68.3	72.3	74.4	77.2	79.2	80.6	81.4	82.8	83.3	83.6	84.6	84.8	87.0
≥ 1200	55.3	63.9	70.2	74.3	76.8	79.9	82.0	83.4	84.2	85.7	86.1	86.5	87.5	87.6	89.8
≥ 1000	55.9	64.9	71.5	76.0	78.4	81.7	83.8	85.3	86.2	87.7	88.1	88.5	89.4	89.6	91.8
≥ 900	56.1	65.3	72.3	76.9	79.3	82.6	84.8	86.2	87.1	88.6	89.0	89.4	90.4	90.5	92.7
≥ 800	56.2	66.0	73.1	78.1	80.6	83.9	86.0	87.5	88.4	89.9	90.3	90.7	91.7	91.8	94.0
≥ 700	56.5	66.5	74.0	79.1	81.7	84.9	87.2	88.7	89.7	91.2	91.6	92.0	93.0	93.1	95.3
≥ 600	56.5	66.5	74.3	79.5	82.0	85.4	87.7	89.2	90.2	91.7	92.1	92.5	93.5	93.6	95.8
≥ 500	56.5	66.7	74.4	80.0	82.6	86.2	88.5	90.1	91.1	92.6	93.0	93.4	94.4	94.5	96.7
≥ 400	56.5	66.9	74.9	80.6	83.2	86.9	89.3	90.9	91.9	93.4	93.8	94.3	95.2	95.4	97.6
≥ 300	56.5	66.9	74.9	80.8	83.4	87.1	89.6	91.1	92.2	93.7	94.1	94.6	95.6	95.7	98.1
≥ 200	56.5	66.9	74.9	80.8	83.5	87.2	89.7	91.4	92.5	94.3	94.8	95.2	96.4	96.5	99.1
≥ 100	56.5	66.9	74.9	80.8	83.5	87.2	89.7	91.4	92.5	94.3	94.8	95.3	96.4	96.6	99.7
≥ 0	56.5	66.9	74.9	80.8	83.5	87.2	89.7	91.4	92.5	94.3	94.8	95.3	96.4	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1620

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY 53-72 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0400-0800

CEILING (FEET)	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8	9	10
19000	19.6	22.1	26.3	28.3	28.8	30.1	31.0	31.7	32.8	33.7	33.9	34.1	34.4	34.7	35.2		
15000	24.9	28.4	33.0	35.2	35.9	37.6	38.8	39.4	40.8	41.7	41.9	42.2	42.5	42.8	44.8		
10000	24.9	28.5	33.0	35.2	35.9	37.7	38.8	39.5	40.9	41.7	42.0	42.3	42.6	42.8	44.8		
9000	25.0	28.8	33.1	35.4	36.0	37.7	38.9	39.5	40.9	41.8	42.0	42.3	42.6	42.9	44.9		
8000	25.1	28.9	33.4	35.8	36.3	38.1	39.4	40.1	41.5	42.4	42.6	42.9	43.2	43.5	45.5		
7000	25.8	29.7	34.2	36.6	37.2	39.0	40.2	40.9	42.3	43.2	43.5	43.8	44.1	44.4	46.3		
6000	27.3	31.3	35.9	38.4	39.0	41.0	42.4	43.1	44.7	45.6	45.9	46.2	46.6	46.9	48.8		
5000	29.2	33.3	38.3	41.2	41.7	43.8	45.3	46.2	47.7	48.8	49.0	49.3	49.8	50.1	52.1		
4500	33.3	38.1	43.3	46.6	47.3	49.6	51.3	52.2	53.9	55.1	55.3	55.6	56.2	56.5	58.7		
4000	33.4	40.3	46.0	49.3	50.1	52.6	54.4	55.2	57.0	58.2	58.4	58.8	59.3	59.6	61.9		
3500	37.6	43.0	48.8	52.1	52.9	55.4	57.3	58.2	60.0	61.2	61.4	61.7	62.3	62.6	64.9		
3000	38.6	44.2	50.1	53.7	54.5	57.0	59.1	60.0	61.8	63.1	63.3	63.7	64.2	64.5	66.8		
2900	39.4	45.1	51.0	54.7	55.6	58.1	60.2	61.1	62.9	64.2	64.4	64.8	65.3	65.6	67.9		
2800	41.0	47.0	53.1	56.9	57.8	60.4	62.6	63.4	65.2	66.5	66.8	67.2	67.7	68.0	70.3		
2700	42.0	48.0	54.3	58.3	59.4	62.2	64.3	65.2	67.0	68.3	68.6	69.0	69.5	69.8	72.1		
2600	43.1	49.3	56.0	60.0	61.2	64.1	66.3	67.2	69.0	70.4	70.7	71.0	71.6	71.9	74.2		
2500	44.4	50.7	57.9	62.0	63.3	66.4	68.7	69.8	71.4	72.8	73.2	73.5	74.1	74.4	76.7		
2400	46.3	53.0	60.3	64.6	66.0	69.2	71.5	72.3	74.2	75.7	76.1	76.5	77.0	77.3	79.6		
2300	46.6	53.2	60.8	65.1	66.5	69.8	72.1	73.0	74.9	76.3	76.7	77.1	77.6	77.9	80.2		
2200	47.8	54.3	62.3	66.8	68.4	71.9	74.3	75.2	77.1	78.6	79.0	79.4	79.9	80.2	82.5		
2100	48.5	55.0	64.7	69.8	71.6	75.1	77.6	78.4	80.3	81.9	82.3	82.6	83.1	83.4	85.8		
2000	49.7	57.5	67.0	72.3	74.4	78.1	80.8	81.7	83.7	85.2	85.6	86.0	86.5	86.8	89.1		
1900	50.2	58.3	68.0	73.5	75.8	79.7	82.5	83.5	85.5	87.0	87.4	87.8	88.3	88.6	90.9		
1800	50.7	59.0	69.1	75.0	77.4	81.3	84.4	85.4	87.4	89.0	89.4	89.8	90.3	90.6	92.9		
1700	50.9	59.6	69.9	75.9	78.4	82.6	85.8	86.8	88.9	90.5	90.9	91.3	91.8	92.1	94.4		
1600	51.1	59.8	70.4	76.7	79.4	83.5	86.8	87.8	89.9	91.7	92.1	92.5	93.1	93.4	95.7		
1500	51.1	59.9	70.8	77.2	79.8	84.1	87.4	88.5	90.8	92.6	93.0	93.5	94.1	94.4	96.7		
1400	51.1	59.9	71.1	77.4	80.2	84.5	88.0	89.1	91.4	93.2	93.7	94.2	94.9	95.2	97.6		
1300	51.1	59.9	71.1	77.4	80.2	84.5	88.1	89.3	91.7	93.7	94.1	94.7	95.3	95.9	98.3		
1200	51.1	59.9	71.1	77.4	80.2	84.6	88.1	89.3	91.9	94.1	94.5	95.1	95.8	96.4	99.1		
1100	51.1	59.9	71.1	77.4	80.2	84.6	88.1	89.4	91.9	94.1	94.5	95.1	96.0	96.5	99.3		
1000	51.1	59.9	71.1	77.4	80.2	84.6	88.1	89.4	91.9	94.1	94.5	95.1	96.0	96.5	100.0		

TOTAL NUMBER OF OBSERVATIONS 1720

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY 51-72 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-2100

27.5	31.0	33.5	34.5	34.8	35.1	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	
34.2	38.9	41.9	43.2	43.5	43.8	44.2	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	
34.4	39.0	42.1	43.3	43.6	44.0	44.3	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	
34.4	39.1	42.2	43.5	43.8	44.1	44.5	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	
35.1	39.9	43.1	44.3	44.6	44.9	45.3	45.3	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	
35.7	40.5	43.7	44.9	45.2	45.6	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	
38.2	43.3	46.6	47.8	48.1	48.5	48.9	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	
40.1	45.3	48.6	50.1	50.4	50.8	51.2	51.2	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	
42.8	48.4	52.0	53.9	54.3	54.7	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	
45.0	50.8	54.7	56.7	57.1	57.6	58.1	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
46.8	52.6	56.6	58.8	59.3	59.7	60.3	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	
47.8	53.9	57.9	60.0	60.6	61.1	61.7	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
48.3	54.3	58.3	60.6	61.1	61.7	62.3	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	
49.8	55.7	60.0	62.3	62.8	63.4	64.0	64.1	64.3	64.5	64.5	64.5	64.5	64.5	64.5	64.5	
50.9	57.2	61.7	64.2	65.0	65.7	66.3	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
53.7	60.3	64.9	67.6	68.4	69.1	69.7	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	
56.8	64.0	68.8	71.8	72.7	73.5	74.0	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	
60.8	68.4	73.3	76.5	77.4	78.2	78.8	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	
62.3	70.0	75.0	78.4	79.2	80.0	80.6	80.7	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	
65.0	73.0	78.4	81.8	82.7	83.6	84.2	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	
67.7	76.9	82.0	86.0	87.7	88.9	89.5	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
68.8	78.4	84.9	89.1	90.8	91.8	92.2	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
69.0	79.2	86.0	90.4	91.8	92.9	93.6	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	
69.7	80.2	87.3	91.9	93.5	94.7	95.5	95.7	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
69.9	80.6	88.3	92.8	94.8	95.9	96.6	96.9	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
70.1	80.9	88.7	93.3	94.9	96.0	97.3	97.9	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	
70.1	80.9	88.7	93.3	95.0	96.2	97.9	98.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
70.1	80.9	88.7	93.3	95.0	96.2	97.9	98.3	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	
70.1	80.9	88.7	93.3	95.0	96.2	97.9	98.3	99.1	99.4	99.5	99.6	99.6	99.7	99.7	99.7	
70.1	80.9	88.7	93.3	95.0	96.2	98.0	98.4	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	
70.1	80.9	88.7	93.3	95.0	96.2	98.0	98.4	99.2	99.6	99.7	99.7	99.8	99.9	99.9	99.9	
70.1	80.9	88.7	93.3	95.0	96.2	98.0	98.4	99.2	99.6	99.7	99.7	99.9	99.9	99.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 1714

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94036 SEMBACH AB GERMANY 53-72 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8
	24.6	26.0	26.7	26.8	26.8	26.8	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
	33.8	35.2	36.2	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
	34.0	35.7	36.3	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
	34.1	35.8	36.5	36.6	36.6	36.6	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
	34.7	36.5	37.1	37.2	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
	36.1	37.9	38.6	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
	38.4	40.4	41.3	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
	41.1	43.3	44.1	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
	44.5	47.2	48.2	48.5	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
	47.9	50.7	51.8	52.1	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
	50.8	53.8	55.2	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
	53.8	56.8	58.2	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
	59.7	58.9	60.3	60.7	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
	60.7	64.2	65.7	66.2	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
	64.5	68.3	69.8	70.4	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
	71.0	75.3	77.2	77.8	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
	76.0	80.9	82.8	83.6	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
	80.9	86.2	88.4	89.2	89.6	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
	82.9	88.4	90.7	91.7	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	84.0	90.3	92.8	93.8	94.1	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
	86.1	92.1	95.0	96.4	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	86.6	92.7	95.7	97.1	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	86.7	92.8	95.9	97.4	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
	87.2	93.3	96.4	98.0	98.4	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
	87.3	93.5	96.6	98.4	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
	87.4	93.6	96.8	98.7	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
	87.4	93.7	96.9	98.7	99.2	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	87.4	93.7	96.9	98.7	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	87.4	93.7	96.9	98.7	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	87.4	93.7	96.9	98.7	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
	87.4	93.7	96.9	98.7	99.2	99.5	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2727

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-1700

28.2	29.0	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	
39.4	40.5	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	
39.5	40.6	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	
39.9	41.0	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	
40.6	41.7	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	
43.2	44.6	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	
46.3	47.7	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	
51.1	52.5	52.9	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	
55.3	57.0	57.5	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
61.8	63.1	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
67.3	69.2	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	
70.9	72.9	73.5	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
73.0	75.2	75.8	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	
76.4	78.6	79.3	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
80.2	82.5	83.3	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	
84.3	86.7	87.8	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	
87.0	89.6	90.8	91.4	91.4	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
89.2	92.1	93.4	94.1	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
90.1	93.1	94.6	95.4	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	
90.8	93.9	95.5	96.4	96.5	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	
91.9	95.0	96.8	98.1	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
92.1	95.5	97.4	98.7	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
92.1	95.5	97.5	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
92.1	95.5	97.7	99.0	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
92.2	95.6	97.7	99.1	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	
92.2	95.6	97.7	99.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
92.2	95.6	97.8	99.2	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 1715

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY 53-71 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

33.2	34.0	34.2	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
46.9	47.9	48.2	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
46.9	47.9	48.2	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
47.4	48.3	48.8	49.1	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
47.9	49.0	49.3	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
49.9	51.2	51.5	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
53.0	54.3	54.7	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
57.1	58.5	58.8	59.2	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
63.0	64.5	65.2	66.0	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
69.6	71.5	72.3	73.4	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
73.6	76.0	77.0	78.0	78.2	78.3	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
77.0	79.6	80.8	81.9	82.1	82.2	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
78.6	81.4	82.7	83.8	84.0	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
80.4	83.3	84.7	85.9	86.2	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
82.2	85.2	87.0	88.3	88.6	88.8	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
84.7	87.8	89.7	91.2	91.5	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
86.0	89.6	91.6	93.0	93.3	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
86.5	90.2	92.3	93.8	94.2	94.6	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
86.9	90.6	92.8	94.3	94.8	95.2	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
87.4	91.2	93.7	95.3	95.9	96.3	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
88.0	91.9	94.8	96.8	97.1	97.6	97.8	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
88.0	92.1	95.1	97.1	97.5	98.1	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
88.0	92.1	95.4	97.5	97.7	98.4	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
88.0	92.2	95.5	97.6	97.9	98.6	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
88.1	92.4	95.8	97.8	98.2	99.0	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
88.1	92.4	95.8	97.8	98.3	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
88.1	92.4	95.8	97.8	98.3	99.0	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.1	92.4	95.8	97.8	98.3	99.1	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
88.1	92.4	95.8	97.9	98.4	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.1	92.4	95.8	97.9	98.4	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.1	92.4	95.8	97.9	98.4	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
88.1	92.4	95.8	97.9	98.4	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1877

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 33-70 A-0

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

41.8	44.6	46.1	47.4	47.8	48.0	48.2	48.2	48.3	48.4	48.5	48.5	48.5	48.5	48.6
49.6	53.1	54.8	56.1	56.2	56.8	57.0	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.5
49.7	53.2	54.9	56.2	56.4	56.9	57.1	57.1	57.3	57.4	57.5	57.5	57.5	57.5	57.6
49.7	53.2	54.9	56.2	56.4	56.9	57.1	57.1	57.3	57.4	57.5	57.5	57.5	57.5	57.6
49.8	53.4	55.0	56.4	56.6	57.0	57.3	57.3	57.5	57.5	57.6	57.6	57.6	57.6	57.7
51.1	54.7	56.4	57.7	57.9	58.3	58.6	58.6	58.8	58.9	58.9	58.9	58.9	58.9	59.0
52.7	56.4	58.1	59.6	59.8	60.3	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	61.0
55.9	59.9	61.7	63.7	63.9	64.3	64.7	64.7	65.0	65.0	65.1	65.1	65.1	65.1	65.2
59.7	64.3	66.7	68.9	69.1	69.7	70.0	70.0	70.3	70.3	70.4	70.4	70.4	70.4	70.5
68.2	70.3	72.9	75.2	75.8	76.1	76.4	76.5	76.8	76.9	76.9	76.9	76.9	76.9	77.1
68.7	73.9	76.7	79.2	79.6	80.1	80.5	80.6	80.8	81.0	81.0	81.0	81.0	81.0	81.2
71.8	77.7	80.8	83.6	83.8	84.4	84.8	84.8	85.1	85.2	85.2	85.2	85.2	85.2	85.3
72.9	78.9	82.0	84.8	85.0	85.7	86.1	86.1	86.4	86.5	86.6	86.6	86.6	86.6	86.8
74.1	80.3	83.6	86.5	86.8	87.4	87.8	87.8	88.1	88.2	88.2	88.2	88.2	88.2	88.5
74.8	81.3	84.7	87.8	88.3	89.0	89.3	89.6	89.8	89.9	90.0	90.0	90.0	90.0	90.2
75.6	82.2	85.7	89.0	89.8	90.3	90.7	90.8	91.0	91.1	91.2	91.2	91.2	91.2	91.4
76.6	83.5	86.9	90.3	90.8	91.5	91.9	92.0	92.3	92.4	92.5	92.5	92.5	92.5	92.7
77.1	84.0	87.6	91.1	91.7	92.3	92.9	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.6
77.3	84.2	88.0	91.5	92.1	92.9	93.5	93.6	93.8	93.8	93.8	93.8	93.8	93.8	94.0
77.5	84.7	88.6	92.5	93.1	93.8	94.3	94.3	94.6	94.7	94.8	94.8	94.8	94.8	95.0
78.3	85.8	89.6	93.6	94.3	95.0	95.5	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.2
78.5	86.7	90.0	94.0	94.8	95.6	96.1	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.8
78.7	86.9	90.3	94.3	95.2	96.1	96.6	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.3
78.8	86.1	90.6	94.8	95.7	96.9	97.6	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.4
78.9	86.3	90.8	95.2	96.1	97.3	98.1	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.9
78.9	86.4	91.1	95.6	96.6	97.8	98.7	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.6
78.9	86.6	91.1	95.6	96.7	97.9	98.9	99.0	99.3	99.5	99.6	99.6	99.6	99.6	99.7
78.9	86.6	91.1	95.6	96.7	98.0	98.9	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.9
78.9	86.6	91.1	95.6	96.7	98.0	98.9	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.9
78.9	86.6	91.1	95.6	96.7	98.0	98.9	99.1	99.4	99.6	99.7	99.8	99.8	99.8	100.0
78.9	86.6	91.1	95.6	96.7	98.0	98.9	99.1	99.4	99.7	99.8	99.8	99.8	99.8	100.0
78.9	86.6	91.1	95.6	96.7	98.0	98.9	99.1	99.4	99.7	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1870

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-68,71 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

31.7	36.8	40.2	43.6	45.6	48.3	49.8	50.3	51.9	52.9	53.1	53.3	54.2	54.2	55.8
34.1	39.8	43.2	47.2	49.7	52.6	54.1	54.6	56.2	57.3	57.5	57.7	58.5	58.6	60.2
34.1	39.8	43.2	47.3	49.8	52.7	54.2	54.7	56.3	57.3	57.5	57.7	58.6	58.6	60.2
34.1	39.8	43.2	47.3	49.8	52.7	54.2	54.7	56.3	57.3	57.5	57.7	58.6	58.6	60.2
34.3	40.0	43.4	47.5	50.0	52.9	54.4	54.9	56.5	57.5	57.7	57.9	58.8	58.8	60.4
34.8	40.7	44.2	48.2	50.8	53.8	55.3	55.8	57.4	58.4	58.6	58.8	59.7	59.7	61.3
35.8	41.7	45.4	49.4	52.0	55.1	56.7	57.3	58.9	60.0	60.2	60.4	61.3	61.3	62.9
37.1	43.4	47.3	51.4	54.0	57.3	58.8	59.5	61.1	62.3	62.5	62.7	63.5	63.6	65.2
39.8	46.3	50.7	55.1	58.0	61.7	63.2	63.9	65.7	66.9	67.1	67.3	68.1	68.2	69.8
42.3	49.9	54.9	59.3	62.6	66.4	68.0	68.7	70.4	71.8	72.0	72.2	73.2	73.2	74.8
43.8	51.1	56.7	61.5	64.8	68.7	70.3	71.0	72.7	74.2	74.4	74.6	75.6	75.7	77.3
45.1	53.3	58.9	64.1	67.4	71.4	73.1	73.8	75.5	76.9	77.2	77.4	78.4	78.5	80.0
46.0	54.2	59.9	65.2	68.5	72.6	74.3	74.9	76.7	78.1	78.3	78.5	79.6	79.6	81.2
46.8	55.2	61.3	66.8	70.1	74.3	75.9	76.6	78.3	79.8	80.0	80.2	81.2	81.3	82.9
47.6	56.3	62.4	68.1	71.4	75.6	77.2	77.9	79.6	81.1	81.3	81.5	82.5	82.6	84.2
48.8	57.5	63.7	69.6	73.0	77.2	78.9	79.6	81.3	82.8	83.0	83.2	84.2	84.3	85.9
49.3	58.1	64.3	70.3	73.8	78.0	79.8	80.6	82.3	83.8	84.0	84.2	85.2	85.3	86.9
50.8	59.9	66.2	72.3	75.7	80.0	81.7	82.5	84.2	85.7	85.9	86.2	87.2	87.3	88.9
51.1	60.3	66.6	72.8	76.3	80.6	82.4	83.2	84.9	86.4	86.6	86.9	87.9	88.0	89.5
51.9	61.1	67.5	73.9	77.5	81.8	83.6	84.6	86.3	87.7	88.0	88.2	89.2	89.3	90.9
52.6	61.9	69.0	75.6	79.3	83.8	85.7	86.6	88.4	89.8	90.0	90.3	91.3	91.4	93.0
53.3	63.0	70.4	77.2	80.9	85.3	87.3	88.4	90.2	91.7	91.9	92.2	93.2	93.3	94.8
53.8	63.5	71.0	77.8	81.6	86.1	88.1	89.1	90.8	92.3	92.5	92.8	93.8	93.9	95.5
54.0	63.9	71.6	78.8	82.5	87.1	89.1	90.1	91.9	93.3	93.5	93.8	94.8	94.9	96.5
54.2	64.2	71.9	78.9	83.1	87.7	89.7	90.7	92.5	93.9	94.2	94.4	95.5	95.6	97.2
54.3	64.3	72.1	79.1	83.3	88.1	90.1	91.1	92.8	94.3	94.5	94.8	95.9	95.9	97.3
54.4	64.4	72.3	79.4	84.0	88.7	90.7	91.7	93.3	94.9	95.1	95.4	96.3	96.6	98.3
54.4	64.4	72.3	79.4	84.0	88.7	90.8	91.7	93.6	95.0	95.3	95.8	96.6	96.7	98.4
54.4	64.4	72.3	79.4	84.0	88.8	90.9	91.9	93.7	95.2	95.5	95.7	96.8	96.9	98.6
54.4	64.4	72.3	79.4	84.0	88.8	90.9	91.9	93.7	95.3	95.5	95.8	96.9	97.0	98.8
54.4	64.4	72.3	79.5	84.0	88.9	91.0	91.9	93.8	95.3	95.7	96.0	97.1	97.2	99.1
54.4	64.4	72.3	79.5	84.0	88.9	91.0	91.9	93.8	95.3	95.7	96.0	97.1	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1453

USAF ETAC ... 0-14-5 OL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

26.3	30.5	33.6	37.1	39.2	43.2	44.9	45.6	47.2	48.5	48.9	49.7	50.8	51.1	54.5	
28.3	32.5	35.9	39.6	41.8	45.9	47.8	48.5	50.2	51.6	51.9	52.8	53.9	54.2	57.7	
28.4	32.6	36.0	39.7	42.0	46.1	47.9	48.7	50.3	51.7	52.1	52.9	54.1	54.3	57.8	
28.4	32.6	36.0	39.7	42.0	46.1	47.9	48.7	50.3	51.7	52.1	52.9	54.1	54.3	57.8	
28.5	32.8	36.3	40.0	42.3	46.4	48.3	49.0	50.7	52.1	52.4	53.3	54.4	54.7	58.2	
28.9	33.2	36.7	40.4	42.8	46.9	48.9	49.7	51.4	52.8	53.1	54.0	55.1	55.4	58.9	
30.0	34.3	37.8	41.6	43.9	48.1	50.1	50.9	52.6	54.0	54.3	55.2	56.3	56.6	60.1	
30.9	35.4	39.4	43.6	46.3	50.5	52.6	53.3	55.2	56.6	56.9	57.8	59.0	59.3	62.8	
32.8	37.4	41.5	45.9	48.8	53.5	55.6	56.3	58.2	59.6	60.0	60.8	62.1	62.4	65.9	
34.5	39.4	43.7	48.3	51.6	56.2	58.5	59.2	61.4	62.9	63.3	64.2	65.6	65.8	69.4	
36.0	41.2	45.8	50.6	53.9	58.6	60.8	61.6	63.8	65.3	65.8	66.6	68.1	68.4	71.9	
36.6	42.2	47.1	52.2	55.5	60.4	62.6	63.4	65.8	67.3	67.8	68.6	70.1	70.3	73.9	
37.4	43.0	47.9	53.2	56.5	61.4	63.6	64.4	66.8	68.3	68.8	69.6	71.1	71.3	74.9	
37.9	43.5	48.4	54.1	57.4	62.4	64.6	65.4	67.9	69.4	69.9	70.7	72.2	72.5	76.1	
38.4	44.1	49.2	55.1	58.5	63.6	65.8	66.6	69.1	70.6	71.1	71.9	73.4	73.7	77.3	
39.3	45.3	50.8	57.2	60.6	65.8	68.0	68.8	71.2	72.7	73.2	74.1	75.3	75.8	79.3	
40.1	46.1	51.7	58.0	61.5	66.6	68.8	69.6	72.1	73.6	74.1	74.9	76.4	76.7	80.3	
41.8	48.0	53.7	60.1	63.6	68.9	71.1	71.9	74.4	75.9	76.4	77.3	78.8	79.1	82.7	
42.0	48.3	54.3	60.8	64.3	69.6	71.8	72.6	75.1	76.6	77.1	77.9	79.5	79.7	83.4	
43.3	50.3	56.4	63.0	66.6	72.1	74.3	75.1	77.5	79.1	79.5	80.4	81.9	82.2	85.8	
44.1	51.7	58.3	65.8	69.8	75.5	77.7	78.5	81.0	82.5	83.0	83.8	85.4	85.6	89.3	
44.7	52.5	59.4	67.0	71.1	76.9	79.1	80.0	82.5	84.0	84.5	85.4	87.0	87.2	90.9	
44.9	52.9	60.1	67.8	72.0	77.9	80.1	81.0	83.5	85.0	85.5	86.4	88.0	88.2	91.9	
45.3	53.5	60.9	68.7	73.1	79.1	81.3	82.2	85.0	86.5	87.0	87.8	89.4	89.7	93.4	
45.6	53.9	61.6	69.4	73.9	79.9	82.2	83.2	86.0	87.5	88.0	88.8	90.4	90.7	94.3	
45.7	54.0	61.7	69.6	74.1	80.3	82.5	83.6	86.3	87.8	88.4	89.2	90.8	91.1	94.7	
45.7	54.1	61.8	69.8	74.3	80.7	83.1	84.3	87.0	88.5	89.0	89.9	91.5	91.8	95.4	
45.7	54.1	61.9	69.9	74.6	81.0	83.4	84.6	87.3	88.8	89.4	90.2	91.8	92.1	95.7	
45.7	54.1	61.9	69.9	74.7	81.4	83.8	85.0	87.7	89.2	89.8	90.6	92.4	92.7	96.3	
45.7	54.1	61.9	69.9	74.7	81.6	84.2	85.3	88.0	90.2	91.1	92.0	93.8	94.1	98.0	
45.7	54.1	61.9	69.9	74.7	81.6	84.2	85.3	88.0	90.2	91.2	92.1	93.9	94.2	98.0	
45.7	54.1	61.9	69.9	74.7	81.6	84.2	85.3	88.0	90.2	91.2	92.1	93.9	94.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1304

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 51-72 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

17.7	19.8	23.0	25.8	27.2	28.9	30.6	31.3	33.2	34.3	34.8	35.7	36.6	36.7	41.0	
19.9	22.8	26.5	30.3	32.1	34.1	36.1	37.1	39.1	40.7	41.3	42.2	43.3	43.4	48.1	
19.9	22.8	26.5	30.3	32.1	34.1	36.1	37.1	39.1	40.7	41.3	42.2	43.3	43.4	48.1	
19.9	22.8	26.5	30.3	32.1	34.1	36.1	37.1	39.1	40.7	41.3	42.2	43.3	43.4	48.1	
20.1	23.0	26.8	30.6	32.3	34.4	36.3	37.4	39.4	40.9	41.6	42.5	43.5	43.6	48.3	
20.5	23.6	27.4	31.2	33.0	35.1	37.1	38.1	40.2	41.8	42.4	43.3	44.3	44.5	49.1	
21.4	24.6	28.4	32.3	34.0	36.1	38.2	39.2	41.4	43.1	43.7	44.6	45.6	45.7	50.5	
22.6	25.8	30.3	34.6	36.4	38.8	40.9	42.0	44.3	46.1	46.7	47.7	48.8	48.9	53.6	
24.4	28.1	32.9	37.7	39.7	42.4	44.8	46.0	48.4	50.1	50.8	51.8	53.0	53.2	57.9	
26.2	30.2	35.3	40.6	42.6	45.6	48.1	49.3	51.8	53.6	54.3	55.3	56.6	56.7	61.7	
27.3	31.5	36.7	42.2	44.2	47.3	49.9	51.1	53.7	55.7	56.3	57.4	58.6	58.7	63.9	
27.9	32.1	37.5	43.3	45.5	48.8	51.5	52.8	55.7	57.7	58.4	59.5	60.8	60.9	66.1	
28.4	32.9	38.5	44.3	46.5	49.8	52.4	53.8	56.7	58.7	59.4	60.5	61.8	62.0	67.1	
29.1	33.9	39.6	45.5	47.7	51.2	53.9	55.2	58.1	60.2	61.0	62.1	63.4	63.6	68.9	
29.8	34.7	40.5	46.4	48.8	52.4	55.1	56.5	59.4	61.3	62.3	63.4	64.7	64.9	70.1	
30.7	35.8	41.6	47.6	50.0	53.7	56.4	57.8	60.8	62.8	63.6	64.7	66.0	66.2	71.4	
32.0	37.1	42.9	49.1	51.6	55.4	58.2	59.6	62.5	64.6	65.4	66.5	67.9	68.0	73.3	
33.4	38.7	44.8	51.3	53.7	57.8	60.6	62.0	64.9	67.0	67.8	68.9	70.4	70.5	75.8	
34.1	39.6	45.9	52.6	55.0	59.1	61.9	63.3	66.2	68.3	69.1	70.2	71.6	71.8	77.1	
36.3	41.8	48.3	55.5	58.0	62.3	65.1	66.6	69.6	71.6	72.4	73.5	75.2	75.3	80.7	
38.8	44.7	51.9	59.7	62.5	67.4	70.2	71.7	74.8	77.0	77.8	79.0	80.6	80.8	86.1	
39.3	45.7	53.2	61.2	64.2	69.2	72.1	73.7	76.9	79.0	79.8	81.0	82.6	82.8	88.2	
39.6	46.1	53.8	61.8	64.9	69.9	73.0	74.7	77.9	80.1	80.9	82.1	83.7	83.9	89.2	
39.9	46.7	54.5	62.8	65.9	71.0	74.1	75.8	79.3	81.5	82.3	83.5	85.1	85.3	90.7	
40.3	47.1	55.2	63.6	67.0	72.4	75.6	77.5	81.1	83.4	84.1	85.4	87.0	87.2	92.6	
40.5	47.3	55.4	64.0	67.5	73.1	76.4	78.2	81.9	84.1	84.9	86.1	87.8	88.0	93.4	
40.5	47.4	55.6	64.2	67.8	73.6	77.0	79.0	82.8	85.2	86.0	87.2	88.9	89.1	94.5	
40.5	47.4	55.8	64.5	68.0	73.8	77.3	79.3	83.2	85.7	86.5	87.7	89.4	89.6	95.1	
40.5	47.4	55.8	64.5	68.1	73.9	77.5	79.6	83.6	86.1	87.1	88.3	90.4	90.6	96.3	
40.5	47.4	55.8	64.5	68.2	74.1	77.6	79.8	84.0	86.6	87.5	88.8	91.1	91.3	97.8	
40.5	47.4	55.8	64.5	68.2	74.2	77.7	79.9	84.0	86.7	87.7	89.1	91.4	91.6	99.0	
40.5	47.4	55.8	64.5	68.2	74.2	77.7	79.9	84.0	86.7	87.7	89.1	91.5	91.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 1646

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS 0000-1100

25.5	29.2	33.1	35.8	36.6	37.5	38.3	38.7	39.0	39.1	39.1	39.2	39.2	39.2	39.2	39.2
30.2	34.4	39.5	43.0	43.9	45.3	46.1	46.7	47.0	47.1	47.1	47.2	47.2	47.2	47.2	47.2
30.3	34.5	39.5	43.0	44.0	45.3	46.1	46.8	47.1	47.2	47.2	47.2	47.3	47.3	47.3	48.0
30.3	34.6	39.6	43.1	44.1	45.4	46.2	46.9	47.2	47.2	47.2	47.3	47.3	47.3	47.3	48.1
30.5	34.8	40.1	43.6	44.6	45.9	46.7	47.3	47.6	47.7	47.7	47.8	47.8	47.8	47.8	48.5
31.2	35.5	40.9	44.4	45.4	46.7	47.5	48.2	48.6	48.7	48.7	48.7	48.8	48.8	48.8	49.5
31.7	36.1	41.5	45.2	46.2	47.6	48.4	49.1	49.5	49.6	49.6	49.6	49.7	49.7	49.7	50.4
33.2	37.8	43.5	47.2	48.3	49.7	50.5	51.3	51.9	51.9	51.9	52.0	52.1	52.1	52.1	52.8
35.2	40.0	46.1	49.9	51.2	52.6	53.5	54.3	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.8
37.0	42.2	48.6	52.5	54.0	55.5	56.5	57.3	57.9	58.0	58.1	58.2	58.2	58.3	59.0	59.8
38.4	43.8	50.2	54.5	56.1	57.6	58.5	59.4	60.1	60.2	60.3	60.4	60.5	60.5	61.2	61.9
39.8	45.3	52.2	56.7	58.2	59.9	60.9	61.9	62.7	62.8	62.9	63.0	63.1	63.1	63.9	64.6
40.4	46.1	53.0	57.7	59.3	61.0	61.9	62.9	63.7	63.9	63.9	64.0	64.1	64.2	64.9	65.7
40.9	46.7	53.9	58.8	60.4	62.2	63.1	64.1	65.1	65.3	65.3	65.4	65.5	65.6	66.3	67.1
41.8	47.8	55.3	60.4	61.9	63.7	64.7	65.7	66.7	66.9	66.9	67.1	67.1	67.2	67.9	68.7
43.7	49.9	57.6	62.9	64.5	66.3	67.3	68.3	69.3	69.5	69.6	69.7	69.7	69.8	70.5	71.3
46.1	52.6	60.4	65.9	67.5	69.4	70.4	71.4	72.4	72.6	72.6	72.8	72.8	72.9	73.6	74.4
48.8	56.0	64.3	70.0	71.7	73.9	74.9	75.9	77.0	77.2	77.3	77.4	77.5	77.5	78.2	79.0
50.1	57.3	65.8	71.5	73.2	75.4	76.4	77.4	78.5	78.8	78.8	78.9	79.0	79.1	79.8	80.6
53.6	60.9	69.6	75.9	77.6	79.8	80.8	81.8	82.9	83.2	83.2	83.4	83.4	83.5	84.2	85.0
56.2	64.0	73.4	80.2	82.6	84.9	85.9	86.9	88.0	88.3	88.3	88.4	88.5	88.6	89.3	90.1
57.1	65.4	75.4	82.5	85.1	87.7	88.7	89.8	91.0	91.2	91.3	91.4	91.5	91.5	92.3	93.1
57.5	66.0	76.2	83.6	86.3	89.0	90.1	91.1	92.4	92.7	92.7	92.9	92.9	93.0	93.7	94.5
57.8	66.4	77.0	84.6	87.4	90.4	91.5	92.5	93.8	94.1	94.1	94.2	94.3	94.4	95.1	95.9
57.9	66.6	77.2	84.9	87.9	90.9	92.0	93.0	94.4	94.6	94.7	94.8	94.9	94.9	95.6	96.4
57.9	66.6	77.3	85.3	88.4	91.4	92.6	93.6	95.0	95.2	95.3	95.4	95.5	95.5	96.2	97.0
57.9	66.6	77.4	85.5	88.7	91.8	93.2	94.2	95.8	96.0	96.1	96.2	96.2	96.3	97.0	97.8
57.9	66.6	77.4	85.6	88.8	92.1	93.6	94.7	96.2	96.7	96.7	96.8	97.0	97.0	97.8	98.6
57.9	66.6	77.4	85.7	88.9	92.3	93.9	95.0	96.8	97.5	97.6	97.9	98.0	98.1	98.9	99.6
57.9	66.6	77.4	85.7	88.9	92.3	94.0	95.1	97.0	97.6	97.8	98.1	98.2	98.3	99.1	99.8
57.9	66.6	77.4	85.7	88.9	92.3	94.0	95.1	97.0	97.6	97.8	98.1	98.4	98.4	99.2	99.9
57.9	66.6	77.4	85.7	88.9	92.3	94.0	95.1	97.0	97.6	97.8	98.1	98.4	98.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 1652

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

31.5	34.2	36.6	37.7	37.8	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
38.2	41.7	44.9	46.1	46.3	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
38.2	41.7	44.9	46.1	46.3	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
38.4	41.8	45.1	46.3	46.4	46.6	46.8	46.8	46.8	46.8	46.9	46.8	46.8	46.8	46.8
38.9	42.3	45.6	46.8	46.9	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
39.8	43.5	46.9	48.0	48.2	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
41.4	45.2	48.6	49.8	50.0	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
43.2	47.1	50.8	52.0	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
45.8	49.7	53.4	54.7	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
48.2	52.2	55.8	57.1	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
50.1	54.1	58.0	59.4	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
51.8	55.9	60.0	61.4	61.7	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2
53.2	57.4	61.7	63.1	63.4	63.7	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9
55.3	59.9	64.3	65.8	66.1	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
58.0	63.0	67.5	69.1	69.4	69.7	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9
62.5	67.9	72.7	74.4	74.7	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
67.9	73.8	79.1	81.2	81.5	81.9	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1
72.4	78.7	84.5	86.8	87.1	87.5	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7
73.3	79.8	85.8	88.5	88.8	89.2	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4
75.2	81.8	87.9	91.0	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
76.3	83.1	89.6	93.3	93.7	94.1	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4
76.9	84.2	91.1	95.0	95.4	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
77.1	84.4	91.4	95.4	95.9	96.4	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9
77.4	84.6	91.8	96.0	96.3	97.1	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
77.4	84.7	92.0	96.2	96.7	97.7	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
77.4	84.7	92.0	96.7	97.4	98.4	98.8	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
77.4	84.8	92.2	96.8	97.6	98.5	99.0	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5
77.4	84.8	92.2	96.9	97.6	98.7	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9
77.4	84.8	92.2	96.9	97.7	98.8	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
77.4	84.8	92.2	96.9	97.7	98.8	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
77.4	84.8	92.2	96.9	97.7	98.8	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
77.4	84.8	92.2	96.9	97.7	98.8	99.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1647

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY 51-72 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

34.7	37.5	39.5	40.0	40.0	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
43.8	47.8	50.2	50.9	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
43.8	47.8	50.3	51.0	51.1	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
44.2	48.2	50.6	51.4	51.4	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
44.9	48.9	51.4	52.1	52.2	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
46.3	50.3	52.7	53.4	53.5	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
48.4	52.6	55.1	55.9	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
50.0	54.4	57.1	58.0	58.1	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
53.4	57.9	60.8	61.6	61.7	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
57.6	62.1	65.0	66.0	66.2	66.5	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
60.5	65.5	68.8	69.8	69.9	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
64.0	69.5	72.7	73.8	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
65.7	71.4	74.7	76.0	76.3	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
68.7	74.8	78.3	79.5	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
71.4	77.7	81.3	82.6	82.9	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
74.1	80.8	84.5	85.9	86.2	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
76.8	83.7	87.4	88.9	89.2	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
78.3	85.3	89.5	91.0	91.3	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
79.1	86.0	90.3	91.9	92.3	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
80.4	87.4	92.2	94.0	94.4	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
81.3	88.5	93.6	95.4	95.7	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
81.8	89.1	94.3	96.1	96.5	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
82.0	89.4	94.8	96.6	97.1	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
82.1	89.6	95.2	97.1	97.7	98.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
82.1	89.6	95.3	97.2	97.9	98.5	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
82.1	89.6	95.4	97.4	98.1	98.7	99.0	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
82.1	89.6	95.4	97.4	98.1	98.8	99.1	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
82.1	89.6	95.4	97.4	98.2	98.9	99.3	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1647

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 31-68,71 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

36.3	39.7	41.8	44.0	44.7	45.3	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
44.8	48.9	51.3	54.2	55.0	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
44.9	49.0	51.9	54.3	55.2	56.2	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
45.1	49.1	51.6	54.5	55.3	56.3	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
45.7	49.8	52.5	55.4	56.3	57.3	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
46.9	51.1	53.8	56.7	57.6	58.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
48.3	52.9	55.6	58.5	59.4	60.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
50.8	55.5	58.3	61.2	62.3	63.3	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
54.0	58.9	61.7	64.8	66.0	67.0	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7
58.5	63.6	66.6	69.7	70.9	71.9	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6
62.1	67.8	71.0	74.3	75.5	76.7	77.2	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4
63.9	69.7	73.1	76.5	77.6	79.0	79.5	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
64.6	70.7	74.5	77.9	79.1	80.4	81.0	81.0	81.0	81.1	81.1	81.2	81.2	81.2	81.2
66.3	72.6	76.4	80.0	81.2	82.6	83.2	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4
68.2	74.8	78.8	82.8	83.9	85.3	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
69.1	75.7	80.1	84.3	85.5	87.1	87.8	87.8	87.8	87.9	87.9	88.0	88.0	88.0	88.0
71.1	77.9	82.6	86.9	88.2	89.9	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
72.7	79.7	84.6	89.1	90.4	92.1	92.9	92.9	92.9	93.0	93.0	93.1	93.1	93.1	93.1
73.0	80.0	85.3	89.9	91.2	93.0	93.9	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
73.6	80.6	86.0	90.8	92.1	93.9	94.8	94.9	94.9	95.0	95.0	95.1	95.1	95.1	95.1
74.0	81.0	86.9	91.9	93.3	95.3	96.2	96.3	96.3	96.4	96.4	96.5	96.5	96.5	96.5
74.3	81.5	87.5	92.6	94.3	96.3	97.2	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
74.5	81.9	87.8	92.9	94.6	96.7	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9
74.5	81.9	87.8	93.0	94.7	96.7	97.6	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
74.5	81.9	88.0	93.3	94.9	97.2	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
74.5	81.9	88.2	93.5	95.3	97.5	98.5	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8
74.5	81.9	88.2	93.8	95.6	98.0	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
74.5	81.9	88.2	93.8	95.6	98.1	99.0	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6
74.5	81.9	88.2	93.8	95.7	98.2	99.2	99.2	99.6	99.7	99.7	99.8	99.9	99.9	99.9
74.5	81.9	88.2	93.9	95.7	98.2	99.2	99.2	99.7	99.7	99.8	99.9	100.0	100.0	100.0
74.5	81.9	88.2	93.8	95.7	98.2	99.2	99.2	99.7	99.7	99.8	99.9	100.0	100.0	100.0
74.5	81.9	88.2	93.8	95.7	98.2	99.2	99.2	99.7	99.7	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1445

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94036 SEMBACH AB GERMANY 53-68,71 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

	36,9	41,8	48,9	49,7	51,4	53,1	54,1	54,4	54,7	55,0	55,1	55,2	55,5	55,5	55,8	
	40,6	48,9	50,3	54,7	56,7	58,8	59,7	60,1	60,4	60,7	60,8	60,9	61,1	61,1	61,5	
	40,7	48,9	50,4	54,8	56,8	58,9	59,9	60,2	60,5	60,8	60,9	61,0	61,3	61,3	61,6	
	40,7	48,9	50,4	54,8	56,8	58,9	59,9	60,2	60,5	60,8	60,9	61,0	61,3	61,3	61,6	
	41,2	46,6	51,1	55,5	57,5	59,7	60,8	61,1	61,4	61,7	61,8	61,9	62,2	62,2	62,5	
	42,2	47,9	52,3	56,9	59,0	61,3	62,3	62,6	62,9	63,3	63,3	63,5	63,7	63,7	64,0	
	43,9	49,9	54,6	59,1	61,2	63,6	64,8	65,2	65,5	65,8	65,9	66,0	66,2	66,2	66,6	
	46,2	52,6	57,3	61,9	64,1	66,7	68,0	68,4	68,6	69,1	69,1	69,3	69,5	69,5	69,9	
	49,0	55,7	60,8	65,7	68,0	70,7	72,0	72,4	72,7	73,1	73,1	73,3	73,5	73,5	73,9	
	52,2	59,1	64,8	69,9	72,2	74,9	76,2	76,7	77,1	77,5	77,6	77,8	78,0	78,0	78,3	
	54,6	61,7	67,7	72,9	75,2	78,0	79,3	79,8	80,2	80,6	80,7	80,9	81,1	81,1	81,4	
	56,6	63,9	70,3	75,7	78,0	80,7	82,0	82,5	82,9	83,4	83,4	83,6	83,8	83,8	84,2	
	57,5	65,0	71,7	77,1	79,6	82,3	83,6	84,1	84,5	84,9	85,0	85,2	85,4	85,4	85,8	
	58,4	66,0	72,8	78,3	80,7	83,5	84,8	85,4	85,8	86,2	86,3	86,5	86,7	86,7	87,0	
	59,7	67,3	74,2	80,1	82,6	85,4	86,7	87,3	87,7	88,1	88,2	88,4	88,6	88,6	89,0	
	61,0	68,9	75,7	81,8	84,3	87,1	88,4	89,0	89,4	89,8	89,8	90,1	90,3	90,3	90,6	
	62,1	70,1	77,0	83,1	85,7	88,5	89,8	90,4	90,8	91,2	91,3	91,5	91,7	91,7	92,1	
	62,6	70,9	78,2	84,5	87,2	90,1	91,4	91,9	92,3	92,7	92,8	93,0	93,2	93,2	93,6	
	62,8	71,1	78,5	84,9	87,6	90,5	91,9	92,3	92,9	93,3	93,4	93,6	93,8	93,8	94,2	
	63,2	71,8	79,4	85,8	88,5	91,4	92,8	93,4	93,8	94,2	94,3	94,5	94,7	94,7	95,1	
	63,7	72,6	80,2	87,0	89,7	92,8	94,2	94,8	95,2	95,6	95,7	95,9	96,1	96,1	96,6	
	63,8	72,9	80,7	87,6	90,3	93,6	95,0	95,6	96,0	96,4	96,5	96,7	96,9	96,9	97,4	
	64,0	73,1	81,1	88,1	90,9	94,1	95,5	96,1	96,5	97,0	97,0	97,2	97,4	97,4	97,9	
	64,0	73,2	81,2	88,4	91,2	94,5	95,9	96,5	96,9	97,3	97,4	97,6	97,8	97,8	98,3	
	64,1	73,4	81,4	88,5	91,4	94,7	96,1	96,7	97,1	97,5	97,6	97,8	98,0	98,0	98,5	
	64,1	73,4	81,4	88,6	91,6	95,0	96,3	97,0	97,4	97,8	97,9	98,1	98,3	98,3	98,8	
	64,1	73,4	81,4	88,6	91,9	95,3	96,8	97,4	97,9	98,3	98,3	98,5	98,8	98,8	99,3	
	64,1	73,4	81,4	88,6	91,9	95,3	97,0	97,7	98,1	98,5	98,6	98,8	99,1	99,1	99,6	
	64,1	73,4	81,4	88,6	91,9	95,3	97,0	97,7	98,2	98,6	98,7	98,9	99,2	99,2	99,7	
	64,1	73,4	81,4	88,6	91,9	95,3	97,0	97,7	98,2	98,7	98,8	99,0	99,3	99,3	99,9	
	64,1	73,4	81,4	88,6	91,9	95,3	97,0	97,7	98,2	98,7	98,8	99,0	99,3	99,3	100,0	
	64,1	73,4	81,4	88,6	91,9	95,3	97,0	97,7	98,2	98,7	98,8	99,0	99,3	99,3	100,0	

TOTAL NUMBER OF OBSERVATIONS 1448

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-07,71-72 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-0200

	16.9	20.7	24.8	29.9	33.2	35.9	37.6	38.9	41.0	42.0	42.5	43.4	44.7	44.7	49.0	
	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
	17.6	21.6	26.1	31.3	34.8	37.8	39.5	40.8	43.0	44.1	44.6	45.5	46.7	46.7	51.0	
	17.8	21.8	26.3	31.5	34.9	37.9	39.6	40.9	43.1	44.2	44.7	45.6	46.9	46.9	51.2	
	18.3	22.3	26.8	32.3	35.7	39.0	40.7	42.0	44.2	45.3	45.7	46.8	48.1	48.1	53.4	
	19.5	23.8	28.5	34.2	37.8	41.4	43.1	44.3	46.7	47.7	48.2	49.3	50.5	50.5	55.0	
	19.7	24.1	29.4	35.4	39.1	42.7	44.3	45.6	48.0	49.1	49.5	50.6	51.9	51.9	56.4	
	20.7	25.1	30.6	36.6	40.3	43.9	45.7	47.0	49.4	50.5	50.9	52.0	53.3	53.3	57.8	
	23.3	28.0	33.5	40.0	43.7	47.4	49.2	50.5	52.9	54.0	54.5	55.5	56.8	56.8	61.4	
	25.0	29.7	35.6	42.1	45.8	49.8	51.6	52.9	55.3	56.4	56.9	57.9	59.2	59.2	63.9	
	26.6	31.4	37.6	44.3	48.1	52.2	54.1	55.4	58.1	59.3	59.8	60.9	62.2	62.2	67.0	
	27.7	33.7	39.3	46.1	50.0	54.4	56.3	57.7	60.4	61.6	62.1	63.1	64.4	64.4	69.2	
	29.0	34.6	41.7	48.7	52.6	57.1	59.0	60.5	63.2	64.4	64.9	65.9	67.3	67.3	72.0	
	29.7	35.7	42.8	49.8	53.8	58.7	60.6	62.1	64.8	66.0	66.5	67.5	68.9	68.9	73.6	
	30.9	37.2	44.5	51.7	55.8	60.9	63.0	64.4	67.1	68.4	68.9	70.0	71.3	71.3	76.2	
	32.0	38.4	46.0	53.4	57.7	62.9	64.9	66.4	69.1	70.4	70.9	72.0	73.4	73.4	78.3	
	32.5	39.1	47.1	54.7	59.2	64.6	66.6	68.1	70.8	72.2	72.8	73.9	75.3	75.3	80.2	
	32.7	39.6	47.7	55.4	60.1	65.5	67.7	69.1	71.9	73.4	73.9	74.9	76.4	76.4	81.2	
	33.2	40.1	48.4	56.4	61.1	66.8	68.9	70.4	73.3	74.8	75.3	76.3	77.9	77.9	82.8	
	34.0	41.2	50.2	58.7	63.5	69.6	71.9	73.4	76.4	77.9	78.4	79.6	81.1	81.1	85.9	
	34.8	42.4	51.9	61.1	66.0	72.3	74.6	76.0	79.1	80.7	81.2	82.4	83.9	83.9	88.8	
	34.8	42.8	52.4	61.8	66.8	72.9	75.3	76.8	79.8	81.4	81.9	83.2	84.7	84.7	89.5	
	34.9	42.8	52.8	62.3	67.3	74.2	76.7	78.1	81.2	82.9	83.3	84.7	86.2	86.2	91.0	
	34.9	43.1	53.3	63.0	68.1	75.1	77.6	79.1	82.2	83.8	84.3	85.7	87.1	87.1	92.0	
	34.9	43.2	53.5	63.2	68.9	76.2	78.6	80.1	83.2	84.9	85.4	86.8	88.2	88.2	93.1	
	35.0	43.4	53.9	63.7	69.3	77.0	79.6	81.1	84.2	85.9	86.4	87.8	89.2	89.2	94.2	
	35.0	43.4	54.0	63.9	69.8	77.4	80.0	81.6	84.7	86.4	86.9	88.3	89.8	89.8	94.7	
	35.0	43.4	54.1	64.1	70.0	77.7	80.5	82.2	85.3	87.1	87.6	89.1	90.6	90.6	95.8	
	35.0	43.4	54.1	64.1	70.0	77.7	80.5	82.2	85.4	87.3	87.8	89.3	91.0	91.0	97.0	
	35.0	43.4	54.1	64.1	70.0	77.7	80.5	82.2	85.4	87.3	87.8	89.3	91.1	91.1	98.2	
	35.0	43.4	54.1	64.1	70.0	77.7	80.5	82.2	85.4	87.3	87.8	89.3	91.1	91.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 1423

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 59-72 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

14.0	17.0	21.1	25.8	28.1	30.7	32.5	33.7	35.8	37.1	37.4	38.1	40.5	40.7	46.2
15.4	18.5	22.8	27.6	30.1	32.7	34.4	35.7	37.8	39.1	39.3	40.1	42.5	42.6	48.2
15.4	18.6	22.9	27.7	30.1	32.8	34.5	35.8	37.9	39.1	39.4	40.1	42.6	42.7	48.3
15.4	18.6	22.9	27.7	30.1	32.8	34.5	35.8	37.9	39.1	39.4	40.1	42.6	42.7	48.3
15.4	18.7	23.0	27.7	30.2	32.8	34.6	35.8	37.9	39.2	39.5	40.2	42.8	42.8	48.4
15.7	18.9	23.3	28.1	30.5	33.4	35.2	36.5	38.6	39.9	40.1	40.9	43.3	43.4	49.2
16.0	19.3	23.7	28.6	31.1	34.2	36.0	37.3	39.4	40.7	40.9	41.7	44.1	44.2	50.0
16.0	19.3	24.2	29.3	32.0	35.2	37.0	38.3	40.5	41.7	42.0	42.7	45.2	45.3	51.1
16.4	20.0	25.1	30.5	33.2	36.5	38.3	39.6	41.7	43.0	43.2	44.0	46.5	46.6	52.4
17.9	22.0	27.3	32.8	35.7	39.2	41.1	42.4	44.5	45.8	46.0	46.8	49.3	49.4	55.2
19.2	23.3	28.9	34.5	37.5	41.0	42.8	44.2	46.4	47.7	48.0	48.8	51.3	51.4	57.2
20.7	25.1	30.7	36.6	39.7	43.4	45.2	46.8	48.9	50.3	50.6	51.5	53.9	54.1	59.9
20.9	25.3	30.9	36.8	39.9	43.8	45.8	47.3	49.4	50.9	51.1	52.0	54.4	54.6	60.5
22.0	26.8	32.5	38.3	41.6	46.0	47.9	49.5	51.7	53.1	53.4	54.2	56.8	57.0	62.8
22.8	28.0	34.0	40.5	43.7	48.2	50.3	51.9	54.0	55.5	55.8	56.6	59.1	59.3	65.2
23.6	29.2	35.6	42.3	45.6	50.3	52.5	54.1	56.2	57.8	58.1	58.9	61.5	61.7	67.5
24.4	30.3	36.8	43.7	47.2	52.2	54.3	56.0	58.1	59.8	60.1	60.9	63.4	63.6	69.5
25.8	32.3	39.3	46.2	50.1	55.6	57.7	59.6	61.8	63.4	63.7	64.6	67.1	67.3	73.1
26.2	32.6	39.8	47.3	51.3	57.0	59.2	61.1	63.2	64.9	65.2	66.0	68.7	68.9	74.8
27.2	33.8	41.2	49.0	53.2	59.2	61.5	63.4	65.6	67.4	67.6	68.5	71.2	71.4	77.3
28.4	36.0	43.8	52.4	57.0	63.2	65.5	67.5	69.9	71.7	71.9	72.8	75.6	75.8	81.7
29.5	37.4	45.6	54.4	59.2	65.6	67.9	69.9	72.3	74.2	74.4	75.4	78.1	78.3	84.2
29.6	37.6	46.0	54.9	59.7	66.2	68.5	70.5	72.9	74.8	75.0	76.0	78.7	78.9	84.8
29.9	38.3	47.2	56.2	61.3	67.9	70.5	72.6	75.0	76.9	77.2	78.1	80.8	81.0	86.9
30.0	38.7	47.9	57.0	62.1	68.8	71.4	73.4	75.9	77.8	78.1	79.0	81.7	81.9	87.8
30.2	38.9	48.3	57.5	62.6	69.8	72.5	74.6	77.0	78.9	79.2	80.1	82.8	83.1	89.0
30.2	38.9	48.5	57.8	63.0	70.4	73.1	75.3	77.9	79.8	80.1	81.0	83.7	84.0	90.0
30.2	39.0	48.5	57.9	63.3	70.7	73.5	75.7	78.3	80.2	80.5	81.5	84.2	84.6	90.7
30.2	39.0	48.5	57.9	63.4	71.1	74.1	76.4	79.1	81.1	81.5	82.6	85.4	85.8	92.4
30.2	39.0	48.5	57.9	63.4	71.2	74.2	76.7	79.5	81.8	82.3	83.6	86.6	87.0	95.1
30.2	39.0	48.5	57.9	63.4	71.3	74.3	76.8	79.6	81.9	82.5	84.0	87.2	87.6	97.6
30.2	39.0	48.5	57.9	63.4	71.3	74.3	76.8	79.6	81.9	82.5	84.0	87.3	87.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1510

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

34059 SEMBACH AB GERMANY 53-72 OCT

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

10.0	11.6	13.4	16.2	18.1	20.2	21.4	21.7	22.9	23.9	24.2	24.5	25.5	25.7	31.8
12.2	13.9	16.1	19.1	21.1	23.2	24.6	25.1	26.3	27.4	27.7	28.0	29.2	29.4	36.1
12.2	13.9	16.1	19.1	21.1	23.2	24.6	25.1	26.3	27.4	27.7	28.0	29.2	29.4	36.1
12.2	13.9	16.1	19.1	21.1	23.2	24.6	25.1	26.3	27.4	27.7	28.0	29.2	29.4	36.1
12.4	14.1	16.4	19.4	21.4	23.5	24.9	25.4	26.6	27.7	28.0	28.3	29.5	29.7	36.4
13.0	14.8	17.2	20.3	22.3	24.6	26.0	26.5	27.8	29.0	29.3	29.6	30.8	31.0	37.8
13.1	14.9	17.5	20.7	22.7	25.0	26.7	27.4	28.7	29.9	30.2	30.5	31.8	32.0	38.8
13.6	15.4	18.0	21.2	23.3	25.7	27.4	28.1	29.5	30.6	31.1	31.4	32.7	32.9	39.7
14.5	16.4	19.1	22.8	24.9	27.2	29.0	29.7	31.1	32.4	32.8	33.3	34.7	34.9	41.8
15.7	17.8	20.8	24.7	26.8	29.4	31.2	31.9	33.3	34.6	35.2	35.7	37.1	37.3	44.4
16.8	19.0	22.3	26.5	28.7	31.4	33.2	34.0	35.4	36.8	37.3	37.8	39.2	39.4	46.6
18.3	20.7	24.2	28.4	30.9	33.7	35.7	36.6	38.1	39.5	40.1	40.6	42.1	42.2	49.5
18.5	21.1	24.8	29.2	31.7	34.5	36.5	37.5	38.9	40.4	41.0	41.5	43.0	43.1	50.4
19.5	22.4	26.3	30.8	33.5	36.3	38.4	39.3	40.7	42.4	42.9	43.4	44.9	45.0	52.4
20.5	23.4	27.5	32.6	35.3	38.2	40.4	41.3	42.8	44.5	45.0	45.5	47.0	47.2	54.6
21.6	24.9	29.7	34.8	37.5	40.8	43.1	44.1	45.6	47.6	48.1	48.6	50.2	50.4	57.8
22.6	26.0	30.8	36.1	38.9	42.6	44.9	45.9	47.6	49.6	50.1	50.6	52.2	52.3	59.8
23.8	27.9	33.3	38.8	41.7	45.7	48.2	49.4	51.1	53.2	53.8	54.3	56.0	56.2	63.7
24.4	28.4	34.2	39.7	42.7	46.8	49.4	50.6	52.4	54.5	55.1	55.6	57.3	57.5	65.1
25.4	29.7	35.7	41.8	45.0	49.3	52.0	53.2	55.1	57.3	57.9	58.4	60.1	60.3	67.9
26.8	31.3	38.0	45.1	48.3	53.3	56.0	57.3	59.6	62.0	62.5	63.1	64.8	64.9	72.5
27.4	32.6	39.7	47.1	50.9	55.9	58.7	60.2	62.4	64.9	65.5	66.0	67.7	67.9	75.4
27.8	33.2	40.8	48.3	52.3	57.3	60.3	61.9	64.1	66.7	67.3	67.8	69.5	69.7	77.2
28.4	33.9	42.0	50.2	54.1	59.4	62.4	64.0	66.4	69.1	69.7	70.2	71.9	72.1	79.7
28.8	34.4	43.0	51.3	55.3	61.2	64.3	65.9	68.4	71.1	71.7	72.2	74.0	74.1	81.8
28.8	34.6	43.3	52.0	56.2	62.0	65.2	66.9	69.5	72.2	72.8	73.4	75.1	75.4	83.1
29.0	34.9	43.8	52.6	56.9	62.9	66.3	68.2	71.1	73.8	74.5	75.1	76.9	77.2	85.0
29.0	34.9	43.9	52.6	57.0	63.1	66.7	68.6	71.7	74.6	75.3	76.0	78.0	78.3	86.6
29.0	34.9	43.9	52.7	57.2	63.5	67.1	69.1	72.3	75.4	76.1	77.0	79.2	79.5	88.7
29.0	34.9	43.9	52.7	57.2	63.6	67.3	69.3	72.6	76.3	77.2	78.1	80.7	81.2	93.0
29.0	34.9	43.9	52.7	57.2	63.6	67.3	69.3	72.7	76.3	77.3	78.3	81.2	81.7	96.8
29.0	34.9	43.9	52.7	57.2	63.6	67.3	69.3	72.7	76.3	77.3	78.3	81.2	81.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1074

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 GCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-1100

11.3	13.0	17.3	19.8	21.1	22.8	23.6	24.6	25.6	26.2	26.2	26.3	26.6	26.7	28.2
14.0	16.3	21.5	24.4	25.9	27.9	28.8	29.9	31.4	32.2	32.3	32.5	32.9	32.9	34.8
14.0	16.3	21.5	24.4	25.9	27.9	28.8	29.9	31.4	32.2	32.3	32.5	32.9	32.9	34.8
14.0	16.3	21.5	24.4	25.9	27.9	28.8	29.9	31.4	32.2	32.3	32.5	32.9	32.9	34.8
14.5	16.7	21.9	24.9	26.4	28.3	29.3	30.5	32.0	32.8	32.9	33.0	33.4	33.5	35.3
14.9	17.2	22.4	25.5	27.0	29.0	29.9	31.1	32.6	33.4	33.5	33.7	34.1	34.1	36.0
15.5	17.9	23.3	26.7	28.2	30.4	31.4	32.6	34.1	34.9	35.0	35.1	35.6	35.6	37.5
16.8	19.4	25.0	28.5	30.0	32.3	33.4	34.6	36.2	37.1	37.2	37.3	37.7	37.8	39.7
17.9	20.5	26.4	30.1	31.7	34.0	35.1	36.4	38.0	38.9	39.1	39.2	39.6	39.7	41.6
19.8	22.7	29.1	33.0	34.9	37.2	38.3	39.6	41.2	42.3	42.4	42.6	43.0	43.1	45.0
20.4	23.4	30.0	34.1	36.1	38.4	39.6	40.9	42.5	43.5	43.7	43.9	44.3	44.4	46.3
21.4	24.5	31.3	35.4	37.4	39.7	41.1	42.3	44.1	45.2	45.4	45.5	46.0	46.1	47.9
22.3	25.6	32.5	36.8	38.9	41.4	42.7	44.1	45.9	47.0	47.2	47.4	47.8	47.9	49.8
23.8	27.6	34.5	38.8	40.9	43.5	44.9	46.3	48.1	49.3	49.6	49.7	50.1	50.2	52.1
24.8	28.6	35.9	40.3	42.5	45.2	46.7	48.1	50.1	51.3	51.5	51.7	52.1	52.2	54.1
26.2	30.3	37.8	42.3	44.6	47.5	49.1	50.4	52.8	54.0	54.3	54.5	54.9	54.9	56.8
27.5	31.8	39.7	44.6	47.0	50.2	51.9	53.4	55.9	57.4	57.6	57.8	58.2	58.3	60.2
29.8	34.7	43.0	48.0	50.4	53.7	55.3	57.0	59.4	61.0	61.3	61.4	61.9	61.9	63.8
31.0	36.0	44.4	49.5	52.1	55.3	57.0	58.6	61.0	62.6	62.9	63.1	63.5	63.5	65.5
33.2	39.0	47.6	53.1	55.8	59.4	61.1	62.9	65.3	67.3	67.5	67.7	68.1	68.2	70.1
34.7	40.9	50.3	56.4	59.4	63.2	65.2	66.9	69.6	71.4	71.7	71.8	72.3	72.3	74.2
35.6	42.2	52.5	59.0	62.3	66.3	68.3	70.3	73.2	75.0	75.2	75.4	75.9	75.9	77.8
35.9	42.7	53.3	60.4	64.0	68.0	70.3	72.2	75.1	76.9	77.2	77.4	77.8	77.9	79.8
36.1	43.3	54.3	61.8	65.8	69.7	72.1	74.1	77.1	78.9	79.1	79.4	79.8	79.9	81.8
36.3	43.8	55.4	63.2	67.4	71.8	74.3	76.6	79.6	81.5	81.7	81.9	82.4	82.4	84.3
36.5	43.7	55.9	64.0	68.3	73.0	76.0	78.3	81.4	83.4	83.6	83.9	84.3	84.4	86.3
36.6	43.8	56.2	64.3	68.9	73.8	77.1	79.4	83.0	85.1	85.4	85.7	86.1	86.2	88.1
36.6	43.9	56.3	64.6	69.0	74.2	77.8	80.3	84.2	86.5	86.8	87.2	87.6	87.7	90.3
36.6	43.9	56.3	64.7	69.2	74.7	78.2	80.8	85.1	87.6	88.0	88.4	88.8	89.0	92.0
36.6	43.9	56.3	64.7	69.2	74.7	78.2	80.9	85.2	88.2	89.0	90.0	91.2	91.3	96.0
36.6	43.9	56.3	64.7	69.2	74.7	78.2	80.9	85.2	88.2	89.1	90.0	91.6	91.8	98.3
36.6	43.9	56.3	64.7	69.2	74.7	78.2	80.9	85.2	88.2	89.1	90.0	91.6	91.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1673

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34059 SEMBACH AB GERMANY 53-72 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

20.7	24.2	28.5	30.6	31.3	31.8	32.1	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4
25.9	29.9	35.0	37.2	37.9	38.5	38.8	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
26.0	30.0	35.0	37.3	38.0	38.6	38.9	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4
26.0	30.0	35.1	37.4	38.1	38.7	39.0	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5
26.3	30.6	35.6	37.9	38.6	39.2	39.5	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0
26.8	30.9	36.0	38.2	39.0	39.7	40.0	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6
27.9	32.2	37.6	40.0	40.9	41.6	41.9	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5
28.5	32.9	38.4	40.9	41.9	42.8	43.1	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
31.0	35.5	41.1	43.6	44.8	45.8	46.3	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9
33.4	38.1	44.0	46.6	47.7	48.8	49.2	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
34.6	39.6	45.5	48.3	49.6	50.6	51.1	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
35.7	41.1	47.5	50.1	51.5	52.5	53.0	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6
36.3	41.9	48.3	51.1	52.5	53.6	54.1	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0
38.1	43.6	50.2	53.1	54.7	55.9	56.6	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4
39.8	45.3	52.2	55.2	56.7	58.2	58.8	59.3	59.6	59.7	59.7	59.7	59.8	59.8	59.8
42.3	48.2	55.3	58.3	60.0	61.6	62.2	62.7	62.9	63.2	63.2	63.2	63.3	63.3	63.3
46.4	52.9	60.3	63.5	65.1	66.7	67.4	67.9	68.1	68.3	68.3	68.3	68.5	68.5	68.5
51.0	58.1	66.0	69.2	71.0	72.7	73.3	73.9	74.1	74.3	74.3	74.3	74.3	74.3	74.3
53.0	60.3	68.3	71.7	73.5	75.2	75.8	76.4	76.6	77.0	77.0	77.0	77.0	77.0	77.0
54.6	62.6	71.4	73.3	77.2	79.1	79.8	80.3	80.5	80.9	80.9	80.9	80.9	80.9	80.9
56.0	64.8	74.7	79.1	81.2	83.2	84.0	84.5	84.7	85.1	85.1	85.2	85.2	85.2	85.2
56.4	65.4	76.1	80.8	83.3	85.9	87.0	87.6	87.9	88.2	88.2	88.3	88.4	88.4	88.4
56.6	65.7	76.7	81.7	84.8	87.8	88.9	89.7	90.0	90.3	90.3	90.3	90.3	90.3	90.3
56.8	66.1	77.4	82.7	85.8	88.7	89.7	90.4	90.7	91.1	91.1	91.2	91.2	91.2	91.2
57.1	66.3	77.7	83.4	86.6	89.7	90.8	91.4	91.9	92.3	92.4	92.5	92.5	92.5	92.5
57.1	66.4	78.0	83.7	87.4	90.6	91.8	92.6	93.2	93.6	93.8	93.8	93.9	93.9	93.9
57.2	66.5	78.2	84.0	87.8	91.3	92.8	94.0	95.0	95.4	95.5	95.7	95.7	95.7	95.7
57.2	66.5	78.2	84.1	87.8	91.6	93.2	94.5	95.8	96.4	96.7	96.8	96.9	96.9	97.0
57.2	66.5	78.2	84.1	87.9	91.7	93.3	94.6	96.0	97.0	97.3	97.6	97.9	97.9	98.1
57.2	66.5	78.2	84.1	87.9	91.7	93.3	94.6	96.0	97.1	97.5	98.2	98.6	98.6	99.2
57.2	66.5	78.2	84.1	87.9	91.7	93.3	94.6	96.0	97.1	97.6	98.2	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1884

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 53-72

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

23.5	26.9	30.7	33.6	34.1	34.8	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	
31.5	35.3	39.9	43.6	44.3	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1		
31.6	35.5	40.1	43.7	44.4	45.3	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3		
31.6	35.5	40.1	43.7	44.4	45.3	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3		
31.9	35.9	40.5	44.2	44.9	45.8	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7		
32.7	36.7	41.3	45.0	45.9	46.7	47.4	47.7	47.8	47.8	47.8	47.8	47.8	47.8		
34.2	38.4	43.1	46.8	47.8	48.7	49.3	49.6	49.7	49.7	49.7	49.7	49.7	49.7		
34.9	39.1	44.0	47.8	48.8	49.9	50.6	50.9	51.0	51.0	51.0	51.0	51.0	51.0		
37.1	41.5	46.7	50.9	51.9	53.0	53.7	54.0	54.1	54.1	54.1	54.1	54.1	54.1		
40.1	44.8	50.5	54.7	55.7	56.8	57.6	57.9	58.0	58.0	58.0	58.0	58.0	58.0		
41.9	46.7	52.7	56.9	58.0	59.2	59.9	60.2	60.4	60.4	60.4	60.4	60.4	60.4		
43.7	48.8	54.9	59.3	60.5	61.8	62.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9		
45.1	50.3	56.6	61.2	62.4	63.8	64.5	64.9	65.0	65.0	65.0	65.0	65.0	65.0		
47.3	52.6	59.0	63.7	65.0	66.3	67.1	67.5	67.7	67.7	67.7	67.7	67.7	67.7		
49.6	55.1	61.7	66.6	67.9	69.3	70.1	70.6	70.9	71.1	71.2	71.2	71.2	71.2		
53.1	59.0	65.9	70.9	72.4	73.9	74.7	75.2	75.5	75.8	75.8	75.8	75.8	75.8		
55.9	62.1	69.3	74.5	75.9	77.5	78.3	78.9	79.2	79.3	79.6	79.6	79.6	79.6		
57.9	64.8	72.3	77.4	79.0	80.7	81.7	82.3	82.6	82.9	83.0	83.0	83.0	83.0		
58.7	65.7	73.4	78.6	80.4	82.1	83.0	83.6	84.0	84.3	84.4	84.4	84.4	84.4		
59.8	67.4	75.5	81.3	83.1	85.1	86.1	86.7	87.1	87.4	87.5	87.5	87.5	87.5		
61.1	69.2	77.8	84.2	86.1	88.2	89.3	89.9	90.4	90.9	91.0	91.0	91.0	91.0		
61.3	69.6	78.2	84.7	86.8	89.2	90.4	91.1	91.6	92.1	92.2	92.2	92.2	92.3		
61.4	70.0	78.7	85.4	87.5	90.0	91.2	91.9	92.5	93.1	93.2	93.3	93.3	93.3		
61.5	70.1	79.0	86.0	88.4	91.2	92.4	93.1	93.7	94.3	94.4	94.5	94.5	94.6		
61.6	70.3	79.3	86.3	89.0	91.9	93.1	93.9	94.5	95.1	95.2	95.3	95.3	95.4		
61.7	70.4	79.7	87.0	89.7	92.9	94.1	94.9	95.6	96.4	96.5	96.7	96.7	96.7		
61.7	70.5	79.8	87.2	90.0	93.1	94.6	95.5	96.3	97.1	97.4	97.5	97.5	97.6		
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.8	97.0	98.0	98.3	98.4	98.4	98.4		
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.9	97.1	98.1	98.4	98.6	98.7	98.7		
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.9	97.2	98.2	98.6	99.0	99.2	99.2		
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.9	97.2	98.2	98.7	99.0	99.2	99.2	100.0	
61.7	70.6	79.9	87.4	90.1	93.4	94.9	95.9	97.2	98.2	98.7	99.0	99.2	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1875

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34050 SEMBACH AB GERMANY 53-67,69,71-72 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS 1800-2000

23.2	28.3	32.1	37.1	38.9	40.7	41.7	42.2	42.9	43.7	43.8	43.9	44.0	44.0	44.5
28.4	34.1	38.3	44.2	46.2	48.3	49.3	49.8	50.8	51.5	51.7	51.7	51.9	51.9	52.4
28.4	34.1	38.3	44.2	46.2	48.3	49.4	49.9	50.8	51.6	51.7	51.8	51.9	51.9	52.4
28.4	34.1	38.3	44.2	46.2	48.3	49.4	49.9	50.8	51.6	51.7	51.8	51.9	51.9	52.4
28.5	34.2	38.4	44.3	46.3	48.5	49.5	50.0	51.0	51.7	51.9	51.9	52.1	52.1	52.6
29.0	34.7	39.0	48.1	47.1	49.2	50.3	50.8	51.7	52.5	52.6	52.7	52.9	52.9	53.3
30.2	36.1	40.5	46.6	48.7	50.9	51.9	52.4	53.4	54.2	54.3	54.4	54.5	54.5	55.0
31.6	37.9	42.3	49.0	51.1	53.3	54.5	55.0	56.0	56.8	56.9	57.0	57.1	57.1	57.6
33.4	39.7	44.5	51.3	53.5	55.9	57.0	57.5	58.4	59.2	59.3	59.4	59.5	59.5	60.0
36.4	43.0	48.3	55.3	57.7	60.1	61.1	61.7	62.7	63.4	63.6	63.6	63.8	63.8	64.3
38.7	45.8	51.1	58.3	60.7	63.2	64.3	64.8	65.8	66.6	66.7	66.8	66.9	66.9	67.4
39.6	47.0	52.3	59.7	62.3	65.0	66.1	66.6	67.6	68.4	68.5	68.6	68.7	68.7	69.2
41.0	48.9	54.4	61.7	64.2	67.1	68.4	68.9	69.9	70.7	70.8	70.9	71.0	71.0	71.5
42.3	50.6	56.2	63.7	66.2	69.2	70.4	71.0	71.9	72.7	72.8	72.9	73.1	73.1	73.5
43.7	51.9	57.9	65.5	68.2	71.3	72.6	73.3	74.4	75.3	75.4	75.5	75.6	75.6	76.1
45.8	54.8	61.2	69.0	71.9	75.4	77.1	77.7	78.7	79.5	79.7	79.7	79.9	79.9	80.4
47.5	57.5	64.1	72.1	75.3	79.0	80.8	81.4	82.6	83.4	83.6	83.6	83.8	83.8	84.3
48.2	58.8	65.5	73.6	77.4	81.3	83.0	83.7	84.9	85.8	85.9	86.0	86.1	86.1	86.7
48.5	59.5	66.0	74.2	78.0	82.0	83.8	84.5	85.7	86.7	86.8	86.9	87.0	87.0	87.6
48.9	59.9	67.3	76.0	80.0	84.3	86.4	87.1	88.4	89.3	89.5	89.6	89.7	89.7	90.3
49.2	60.6	68.5	77.4	81.7	86.3	88.5	89.2	90.5	91.5	91.6	91.7	91.9	91.9	92.4
49.3	60.7	68.7	77.8	82.2	86.8	89.2	89.9	91.2	92.2	92.3	92.4	92.5	92.5	93.1
49.3	60.7	68.7	78.1	82.5	87.3	89.8	90.5	91.7	92.8	92.9	93.0	93.1	93.1	93.7
49.4	60.9	68.9	78.7	83.4	88.4	90.9	91.6	92.8	93.9	94.0	94.1	94.2	94.2	94.8
49.4	60.9	69.2	79.1	84.0	89.1	91.7	92.4	93.7	94.7	94.8	94.9	95.1	95.1	95.6
49.5	61.0	69.2	79.2	84.2	89.5	92.1	92.9	94.2	95.4	95.5	95.6	95.8	95.8	96.3
49.5	61.1	69.4	79.5	84.5	89.9	92.5	93.7	95.0	96.2	96.3	96.4	96.7	96.7	97.3
49.5	61.1	69.4	79.5	84.6	90.1	92.9	93.9	95.3	96.5	96.7	97.2	97.3	97.4	98.1
49.5	61.1	69.5	79.5	84.7	90.3	93.2	94.2	95.7	97.1	97.3	97.6	97.7	97.9	98.6
49.5	61.1	69.5	79.5	84.7	90.3	93.2	94.2	95.8	97.4	97.7	98.1	98.3	98.3	99.4
49.5	61.1	69.5	79.5	84.7	90.3	93.2	94.2	95.8	97.4	97.7	98.1	98.3	98.3	99.5
49.5	61.1	69.5	79.5	84.7	90.3	93.2	94.2	95.8	97.4	97.7	98.1	98.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1436

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-67,69,71-72 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

21.0	26.0	31.7	36.7	39.6	43.2	44.9	45.3	46.4	47.3	47.4	47.8	48.2	48.2	49.4
22.9	28.2	33.7	39.2	42.1	46.1	47.8	48.4	49.4	50.5	50.6	51.0	51.5	51.5	52.8
22.9	28.2	33.7	39.2	42.1	46.1	47.8	48.4	49.4	50.5	50.6	51.0	51.5	51.5	52.8
22.9	28.2	33.7	39.2	42.1	46.1	47.8	48.4	49.4	50.5	50.6	51.0	51.5	51.5	52.8
23.0	28.3	33.8	39.2	42.2	46.2	48.0	48.5	49.6	50.6	50.8	51.1	51.6	51.6	52.9
23.2	28.7	34.3	39.8	42.8	46.9	48.7	49.2	50.3	51.4	51.5	51.9	52.4	52.4	53.8
24.1	29.7	35.5	41.0	43.9	48.2	50.0	50.6	51.6	52.6	52.8	53.1	53.6	53.6	55.1
25.2	31.2	37.4	43.1	46.1	50.4	52.2	52.8	53.8	54.9	55.0	55.4	55.8	55.8	57.4
26.2	32.5	39.0	44.9	47.9	52.3	54.2	54.7	55.8	56.8	57.0	57.3	57.8	57.8	59.3
28.5	35.4	42.4	48.7	51.8	56.5	58.6	59.1	60.2	61.3	61.4	61.8	62.2	62.2	63.8
30.3	37.5	44.8	51.3	54.5	59.3	61.3	61.9	63.0	64.0	64.2	64.5	65.0	65.0	66.6
31.2	38.7	46.3	52.9	56.3	61.5	63.6	64.2	65.3	66.3	66.5	66.8	67.3	67.4	68.9
32.8	40.3	48.0	54.8	58.3	63.7	65.9	66.4	67.5	68.6	68.7	69.1	69.5	69.6	71.1
33.6	42.4	50.3	57.3	61.2	66.8	69.0	69.5	70.7	71.7	71.8	72.2	72.7	72.7	74.3
35.2	44.5	52.5	59.6	63.5	69.3	71.6	72.2	73.4	74.5	74.6	75.0	75.6	75.7	77.2
36.4	46.1	54.4	61.8	66.0	72.0	74.3	74.9	76.1	77.2	77.3	77.7	78.3	78.4	79.9
37.5	47.4	55.9	63.6	68.1	74.3	76.6	77.2	78.4	79.6	79.8	80.2	80.7	80.8	82.5
38.1	48.5	57.4	65.2	70.0	76.3	78.7	79.3	80.5	81.7	81.8	82.3	82.9	83.0	84.7
38.5	49.0	57.9	66.0	70.8	77.1	79.5	80.2	81.4	82.6	82.8	83.2	83.8	83.9	85.7
39.0	49.8	59.2	67.6	72.7	79.1	81.8	82.5	83.7	84.9	85.0	85.5	86.1	86.2	88.0
39.6	50.9	60.9	69.3	74.8	81.4	84.1	84.8	86.0	87.3	87.4	87.9	88.5	88.5	90.3
40.1	51.5	61.8	70.2	75.7	82.3	85.0	85.7	87.0	88.3	88.3	88.9	89.5	89.6	91.4
40.1	51.7	62.1	70.6	76.1	82.9	85.7	86.4	87.6	88.9	89.1	89.6	90.1	90.2	92.0
40.1	51.7	62.3	71.1	76.8	84.1	87.0	87.8	89.2	90.5	90.6	91.1	91.7	91.7	93.5
40.2	51.9	62.7	71.8	77.5	84.8	87.8	88.6	90.0	91.3	91.4	91.9	92.5	92.6	94.4
40.3	52.2	63.1	72.2	78.1	85.6	88.7	89.4	91.0	92.4	92.6	93.0	93.6	93.7	95.5
40.3	52.2	63.1	72.3	78.2	86.0	89.0	90.1	91.4	92.9	93.0	93.3	94.1	94.2	96.0
40.3	52.2	63.1	72.4	78.3	86.1	89.2	90.3	91.7	93.2	93.3	93.8	94.4	94.5	96.3
40.3	52.2	63.1	72.4	78.3	86.1	89.3	90.5	92.0	93.6	93.7	94.3	94.9	95.0	96.8
40.3	52.2	63.1	72.4	78.3	86.1	89.4	90.6	92.1	93.8	93.9	94.6	95.4	95.5	97.3
40.3	52.2	63.1	72.4	78.3	86.1	89.4	90.6	92.1	93.8	93.9	94.6	95.4	95.5	98.7
40.3	52.2	63.1	72.4	78.3	86.1	89.4	90.6	92.1	93.8	93.9	94.6	95.4	95.5	100.0

TOTAL NUMBER OF OBSERVATIONS 1438

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-67 JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

9.6	11.1	13.3	16.1	17.4	18.8	19.9	20.2	20.9	21.3	21.6	21.9	22.6	22.7	23.1
10.3	12.0	14.8	17.8	19.5	21.2	22.4	22.7	23.4	23.9	24.2	24.5	25.3	25.4	27.7
10.3	12.0	14.8	17.8	19.5	21.2	22.4	22.7	23.4	23.9	24.2	24.5	25.3	25.4	27.7
10.3	12.0	14.8	17.8	19.5	21.2	22.4	22.7	23.4	23.9	24.2	24.5	25.3	25.4	27.7
10.3	12.0	14.8	17.8	19.5	21.2	22.4	22.7	23.4	23.9	24.2	24.5	25.3	25.4	27.7
10.5	12.2	15.0	17.9	19.6	21.3	22.5	22.9	23.6	24.2	24.4	24.7	25.5	25.6	27.9
10.9	12.6	15.4	18.4	20.1	21.8	23.0	23.4	24.1	24.6	24.8	25.1	25.9	26.0	28.4
11.6	13.3	16.2	19.1	20.8	22.6	23.8	24.2	24.9	25.5	25.7	26.0	26.8	26.9	29.3
12.7	15.6	19.1	22.8	24.1	26.1	27.4	27.8	28.7	29.3	29.5	29.8	30.6	30.7	33.1
15.2	17.2	20.7	24.3	26.4	28.7	30.0	30.5	31.4	32.2	32.4	32.7	33.5	33.6	36.0
16.5	18.5	22.2	25.8	28.2	30.8	32.2	32.6	33.8	34.6	34.8	35.1	36.0	36.0	38.4
17.6	19.7	23.6	27.6	29.9	33.2	34.7	35.1	36.6	37.4	37.7	38.0	38.8	38.8	41.3
17.8	20.0	24.0	28.1	30.6	34.2	35.8	36.2	37.7	38.8	38.8	39.1	39.9	40.0	42.5
18.5	20.8	25.1	29.1	31.9	36.0	37.5	38.0	39.5	40.3	40.5	40.8	41.7	41.8	44.3
19.5	21.8	26.3	30.4	33.5	37.7	39.6	40.2	41.7	42.6	42.8	43.1	44.0	44.1	46.7
20.3	23.0	28.0	32.2	35.4	39.7	41.7	42.3	43.9	44.9	45.1	45.4	46.3	46.4	49.0
21.5	24.7	30.0	34.8	38.3	42.8	44.9	45.6	47.1	48.4	48.6	48.9	49.8	49.9	52.5
22.5	26.3	32.7	38.2	42.3	47.0	49.3	50.0	51.6	52.9	53.1	53.4	54.3	54.4	57.0
23.4	27.4	34.4	40.4	44.6	49.4	51.7	52.5	54.0	55.3	55.5	55.8	56.8	56.9	59.5
25.1	30.1	38.0	44.4	49.1	54.1	56.6	57.4	59.2	60.6	60.9	61.2	62.1	62.2	64.8
26.6	32.5	41.7	49.1	53.9	59.5	62.2	63.0	64.9	66.3	66.6	67.0	68.0	68.1	70.7
27.2	33.4	43.1	51.0	56.0	62.1	65.2	66.1	68.1	69.5	69.8	70.2	71.2	71.2	73.9
27.4	33.7	43.7	52.0	57.2	63.7	66.8	67.8	69.8	71.1	71.5	71.8	72.8	72.9	75.5
27.5	33.9	44.6	53.2	59.2	66.3	69.5	70.6	72.6	73.9	74.3	74.6	75.6	75.7	78.4
27.6	34.3	45.0	54.0	60.7	68.2	71.5	72.6	74.7	76.1	76.5	76.9	77.8	77.9	80.7
27.7	34.6	45.4	54.9	62.3	69.9	73.5	74.6	76.7	78.4	78.8	79.2	80.1	80.2	83.0
27.7	34.8	46.0	56.0	63.8	72.4	76.6	77.9	80.3	82.3	82.8	83.2	84.3	84.4	87.2
27.7	34.8	46.2	56.5	64.8	74.6	78.9	80.2	82.8	85.1	85.7	86.1	87.2	87.4	90.4
27.7	34.8	46.2	56.7	65.2	75.8	80.4	81.9	85.2	88.0	88.6	89.0	90.2	90.4	93.6
27.7	34.8	46.2	56.7	65.2	75.9	80.7	82.3	85.7	88.7	89.3	89.9	91.3	91.5	95.6
27.7	34.8	46.2	56.7	65.2	75.9	80.7	82.3	85.7	88.7	89.6	90.2	92.1	92.3	96.0
27.7	34.8	46.2	56.7	65.2	75.9	80.7	82.3	85.8	88.8	89.7	90.4	92.4	92.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1349

USAF ETAC [illegible] 0-4-5 OLETE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34059 SEMBACH AB GERMANY 59-72 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS 0300-0500

8.4	9.8	11.8	14.4	15.6	17.2	18.0	18.2	16.7	19.3	19.3	19.4	19.7	19.9	23.
9.7	11.1	13.2	16.1	17.7	19.5	20.4	20.6	21.1	21.6	21.6	21.7	22.1	22.2	25.
9.7	11.1	13.2	16.1	17.7	19.5	20.4	20.6	21.1	21.6	21.6	21.7	22.1	22.2	25.
9.7	11.1	13.2	16.1	17.7	19.5	20.4	20.6	21.1	21.6	21.6	21.7	22.1	22.2	25.
9.8	11.2	13.3	16.3	17.8	19.7	20.5	20.7	21.2	21.8	21.8	21.9	22.2	22.3	26.
10.0	11.5	13.6	16.5	18.1	19.9	20.8	21.0	21.5	22.1	22.1	22.2	22.6	22.7	26.
10.1	11.5	13.6	16.7	18.4	20.3	21.1	21.4	21.9	22.5	22.5	22.6	23.1	23.2	26.
10.6	12.0	14.1	17.3	19.1	21.1	22.2	22.4	22.9	23.6	23.6	23.7	24.1	24.3	27.
11.6	13.1	15.3	18.7	20.5	22.6	23.8	24.1	24.6	25.3	25.6	25.7	26.2	26.3	30.
13.2	14.8	17.3	20.9	22.7	25.0	26.2	26.6	27.1	28.0	28.1	28.2	28.6	28.8	32.
14.1	15.8	18.4	21.9	23.9	26.5	27.8	28.4	29.1	30.3	30.4	30.6	31.0	31.1	34.
15.1	17.2	20.2	24.0	26.1	29.0	30.5	31.2	32.0	33.1	33.4	33.5	33.9	34.1	37.
15.8	17.9	21.0	24.9	27.0	30.3	31.8	32.5	33.3	34.4	34.7	34.9	35.4	35.5	39.
16.8	19.0	22.1	26.2	28.5	32.0	33.5	34.3	35.1	36.3	36.6	36.7	37.3	37.4	41.
18.0	20.3	23.6	28.2	30.7	34.4	35.9	36.7	37.6	38.8	39.1	39.3	39.8	40.0	43.
18.8	21.6	25.5	30.3	32.9	37.0	38.5	39.3	40.2	41.6	41.9	42.0	42.6	42.7	46.
19.6	22.6	27.1	32.5	35.3	39.7	41.2	42.0	42.9	44.3	44.6	44.8	45.4	45.5	49.
21.7	25.8	30.8	36.8	40.0	45.0	46.6	47.5	48.4	49.9	50.1	50.4	50.9	51.1	55.
22.0	26.3	31.6	37.8	41.1	46.3	47.9	48.8	49.7	51.2	51.5	51.7	52.3	52.4	56.
23.3	28.2	34.9	41.5	45.0	50.4	52.1	52.9	53.8	55.5	55.8	56.1	56.6	56.8	60.
25.0	31.0	37.6	44.0	47.8	53.2	54.9	55.8	56.6	58.4	58.7	59.0	59.6	59.7	63.
26.0	32.7	41.9	49.6	54.2	60.4	62.7	63.5	64.6	66.6	66.9	67.2	67.8	67.9	71.
26.4	33.2	42.6	50.3	55.2	61.6	64.3	65.1	66.3	68.3	68.6	68.9	69.4	69.6	73.
26.6	33.5	43.1	51.4	56.8	63.5	66.3	67.2	68.4	70.4	70.7	71.0	71.6	71.7	75.
26.7	33.8	43.9	52.7	58.5	65.9	68.8	69.7	70.9	73.0	73.3	73.6	74.1	74.3	78.
26.9	34.2	44.6	53.8	60.3	68.6	71.8	72.7	74.0	76.2	76.5	76.8	77.4	77.6	81.
26.9	34.3	45.0	54.5	61.5	70.7	74.2	75.5	76.9	79.5	79.8	80.1	81.0	81.1	85.
26.9	34.3	45.0	54.7	62.6	72.6	76.5	77.9	79.5	82.4	82.7	83.2	84.2	84.4	88.
26.9	34.3	45.1	55.0	63.1	73.7	78.1	79.7	81.6	84.9	85.5	86.0	87.1	87.2	91.
26.9	34.3	45.1	55.0	63.2	73.9	78.4	80.1	82.3	86.1	86.6	87.1	88.6	88.8	94.
26.9	34.3	45.1	55.0	63.2	74.0	78.8	80.8	83.2	87.2	87.8	88.3	89.7	90.0	97.
26.9	34.3	45.1	55.0	63.2	74.0	78.8	80.8	83.2	87.4	88.0	88.5	90.0	90.3	100.

TOTAL NUMBER OF OBSERVATIONS 141

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 59-72 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

7.3	8.3	10.5	12.3	13.0	14.1	15.1	15.3	16.4	16.8	16.8	17.0	17.4	17.5	20.1	
9.0	10.2	12.5	14.6	15.7	17.2	18.1	18.5	19.6	20.1	20.1	20.3	20.9	21.0	23.6	
9.0	10.2	12.5	14.6	15.7	17.2	18.1	18.5	19.6	20.1	20.1	20.3	20.9	21.0	23.6	
9.2	10.3	12.6	14.7	15.8	17.3	18.2	18.6	19.8	20.2	20.2	20.4	21.0	21.1	23.9	
9.3	10.5	12.7	14.9	15.9	17.5	18.4	18.8	20.0	20.5	20.5	20.7	21.3	21.4	24.2	
9.4	10.6	12.9	15.1	16.1	17.7	18.6	19.0	20.2	20.7	20.7	20.9	21.5	21.6	24.4	
9.7	11.0	13.3	15.5	16.6	18.1	19.0	19.4	20.8	21.4	21.4	21.6	22.2	22.4	25.1	
10.1	11.4	13.7	16.0	17.1	18.8	19.8	20.3	21.7	22.4	22.4	22.5	23.1	23.3	26.2	
11.0	12.2	14.7	17.2	18.2	19.9	21.0	21.7	23.1	23.8	23.8	24.0	24.6	24.8	27.7	
12.3	13.6	16.0	18.6	19.8	21.8	22.8	23.6	25.0	25.9	25.9	26.1	26.7	26.8	29.8	
13.3	14.7	17.2	19.8	21.2	23.2	24.2	25.0	26.5	27.4	27.5	27.7	28.3	28.6	31.6	
14.3	15.9	18.7	21.8	23.3	25.7	26.7	27.5	29.0	30.0	30.0	30.3	31.1	31.2	34.4	
15.1	16.7	19.6	22.7	24.5	27.0	28.1	28.9	30.5	31.4	31.4	31.7	32.6	32.7	35.9	
16.2	17.9	20.9	24.4	26.3	28.9	30.0	31.0	32.6	33.5	33.6	33.9	34.9	35.0	38.2	
17.7	19.8	23.1	26.8	28.8	31.6	32.9	33.9	35.5	36.5	36.8	36.8	37.8	37.9	41.1	
19.2	22.0	25.5	29.8	32.0	34.9	36.5	37.6	39.4	40.5	40.8	40.8	42.0	42.1	45.3	
20.3	23.4	27.5	32.2	34.8	37.8	39.6	40.6	42.6	43.7	43.7	44.1	45.3	45.4	48.6	
21.8	25.5	30.1	35.2	38.0	41.5	43.4	44.5	46.5	47.6	47.8	48.2	49.4	49.5	52.8	
22.5	26.3	31.3	36.5	39.5	43.2	45.1	46.2	48.2	49.3	49.5	49.9	51.1	51.2	54.5	
23.6	28.3	34.4	40.5	43.7	47.6	49.6	50.7	52.8	53.9	54.1	54.5	55.6	55.8	59.1	
25.1	31.1	38.4	45.4	48.9	53.4	55.6	56.7	58.9	60.0	60.3	60.8	61.9	62.1	65.4	
25.9	32.5	40.5	47.7	51.7	56.5	58.9	60.1	62.3	63.5	63.8	64.3	65.5	65.6	68.9	
26.0	33.0	41.4	49.2	53.3	58.2	60.8	62.1	64.3	65.5	65.8	66.2	67.4	67.6	70.9	
26.4	33.8	42.5	50.9	55.6	61.0	63.7	65.0	67.2	68.5	68.7	69.2	70.4	70.6	73.9	
26.5	33.9	43.0	51.8	56.9	63.1	66.1	67.6	70.0	71.3	71.6	72.1	73.4	73.5	76.9	
26.7	34.4	43.9	53.2	58.9	66.0	69.3	71.0	73.6	74.9	75.2	75.7	76.9	77.1	80.4	
26.7	34.4	44.2	53.9	60.2	68.1	71.5	73.6	76.4	78.0	78.4	78.9	80.2	80.3	83.7	
26.7	34.4	44.4	54.0	60.6	69.1	73.0	75.6	78.7	80.6	81.0	81.6	82.8	83.0	86.7	
26.7	34.4	44.6	54.5	61.2	70.0	74.5	77.6	81.2	83.5	83.9	84.5	86.0	86.2	90.1	
26.7	34.4	44.6	54.5	61.4	70.7	75.4	78.8	82.6	85.3	86.0	87.1	89.1	89.2	94.7	
26.7	34.4	44.6	54.5	61.5	70.8	75.5	78.9	82.9	85.7	86.4	87.8	90.3	90.4	97.7	
26.7	34.4	44.6	54.5	61.5	70.8	75.5	78.9	82.9	85.8	86.5	87.8	90.3	90.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 1539

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34036 SEMBACH AB GERMANY 53-72 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

7.2	8.5	10.7	11.6	12.2	13.4	13.9	14.1	14.5	14.9	14.9	15.0	15.5	15.5	16.1	
9.7	11.3	13.8	15.0	15.6	17.0	17.7	18.1	18.5	18.9	19.1	19.1	19.7	19.7	20.5	
9.7	11.3	13.8	15.1	15.7	17.2	17.8	18.2	18.7	19.1	19.2	19.3	19.8	19.8	20.6	
9.7	11.3	13.9	15.2	15.8	17.2	17.9	18.3	18.7	19.1	19.3	19.3	19.9	19.9	20.7	
9.8	11.6	14.1	15.4	16.1	17.5	18.2	18.5	19.1	19.5	19.6	19.6	20.2	20.2	21.0	
10.3	12.2	14.8	16.2	16.9	18.3	18.9	19.3	19.8	20.2	20.4	20.4	21.0	21.0	21.8	
11.0	12.8	15.5	17.0	17.6	19.1	19.7	20.1	20.9	21.3	21.5	21.5	22.1	22.1	22.9	
11.6	13.4	16.1	17.6	18.2	19.9	20.6	21.1	21.9	22.5	22.6	22.7	23.4	23.4	24.1	
12.8	14.7	17.6	19.3	20.0	22.0	22.8	23.4	24.3	25.1	25.3	25.4	26.0	26.0	26.8	
13.8	15.9	19.0	20.9	21.7	23.7	24.6	25.3	26.2	27.1	27.3	27.4	28.0	28.0	29.0	
14.4	16.8	19.9	21.9	22.8	24.9	25.8	26.5	27.5	28.6	28.8	28.8	29.5	29.5	30.4	
15.7	18.2	21.5	23.6	24.7	27.1	27.9	28.7	29.7	31.0	31.2	31.2	31.9	31.9	33.1	
15.9	18.6	22.2	24.5	25.8	28.2	29.1	29.9	30.9	32.1	32.3	32.4	33.1	33.1	34.3	
16.6	19.6	23.5	26.2	27.7	30.1	31.1	31.9	33.0	34.2	34.4	34.5	35.3	35.3	36.5	
17.5	20.4	24.4	27.3	28.8	31.4	32.5	33.4	34.5	35.8	36.0	36.0	36.8	36.8	38.1	
19.5	22.7	27.1	30.1	31.9	34.7	36.1	37.1	38.3	39.8	40.0	40.1	41.0	41.0	42.4	
21.8	25.2	30.1	33.3	35.4	38.3	39.8	40.8	42.3	43.9	44.1	44.2	45.2	45.2	46.6	
23.6	27.6	33.3	37.1	39.2	42.2	44.0	45.3	47.1	48.9	49.3	49.4	50.4	50.4	51.9	
24.0	28.9	35.3	39.4	41.8	44.8	46.6	48.0	49.8	51.6	52.0	52.1	53.2	53.2	54.6	
26.6	31.4	38.5	43.1	45.6	48.9	50.9	52.3	54.4	56.3	56.8	56.9	58.0	58.0	59.4	
28.5	34.3	42.4	47.7	50.6	54.7	57.0	58.6	60.9	63.0	63.6	63.7	64.7	64.7	66.2	
28.7	35.2	43.9	49.3	52.4	57.1	59.6	61.2	63.7	65.9	66.4	66.6	67.6	67.6	69.2	
28.9	35.7	44.6	50.3	53.6	58.6	61.4	63.1	65.8	68.1	68.8	68.9	70.0	70.0	71.6	
29.0	36.2	45.8	52.2	56.1	61.6	64.7	66.6	69.3	71.8	72.3	72.6	73.7	73.7	75.3	
29.1	36.7	46.8	53.7	58.0	63.8	67.1	69.1	72.3	74.7	75.3	75.5	76.6	76.6	78.3	
29.3	37.2	48.0	55.3	59.9	66.1	69.7	71.8	75.2	77.8	78.3	78.7	79.9	79.9	81.7	
29.3	37.3	48.7	56.3	61.2	67.9	72.5	74.8	78.7	81.3	81.9	82.2	83.5	83.5	85.3	
29.3	37.3	48.8	56.7	61.7	68.7	74.0	76.6	80.9	83.8	84.5	84.9	86.3	86.3	88.3	
29.3	37.3	48.8	56.8	62.1	69.3	75.0	77.9	82.9	86.7	87.6	88.4	90.2	90.2	92.6	
29.3	37.3	48.8	56.9	62.2	69.6	75.3	78.1	83.3	87.4	88.3	89.3	92.1	92.3	96.0	
29.3	37.3	48.8	56.9	62.2	69.6	75.3	78.1	83.3	87.5	88.6	90.0	92.7	93.0	98.6	
29.3	37.3	48.8	56.9	62.2	69.6	75.3	78.1	83.3	87.5	88.6	90.0	92.7	93.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 1337

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

9.4	10.7	13.0	13.9	14.7	15.2	15.4	15.4	15.6	15.6	15.6	15.6	15.7	15.7	15.8
13.0	14.8	17.4	19.0	20.0	20.6	20.8	20.8	21.0	21.0	21.0	21.1	21.1	21.1	21.3
13.0	14.8	17.6	19.1	20.1	20.8	20.9	20.9	21.1	21.1	21.1	21.2	21.3	21.3	21.4
13.0	14.8	17.6	19.1	20.1	20.8	20.9	20.9	21.1	21.1	21.1	21.2	21.3	21.3	21.4
13.1	15.0	17.9	19.5	20.5	21.1	21.3	21.3	21.5	21.5	21.5	21.6	21.7	21.7	21.8
13.9	16.0	18.9	20.6	21.6	22.2	22.4	22.4	22.6	22.6	22.6	22.7	22.8	22.8	22.9
14.8	16.9	19.7	21.4	22.4	23.2	23.5	23.5	23.7	23.9	23.9	23.9	24.0	24.0	24.1
15.6	17.8	20.8	22.6	23.6	24.5	24.8	24.8	25.0	25.2	25.2	25.2	25.3	25.3	25.4
17.3	19.6	23.2	25.2	26.3	27.5	27.8	27.8	28.0	28.1	28.1	28.2	28.3	28.3	28.4
18.5	21.3	24.8	27.1	28.3	29.6	29.9	30.0	30.2	30.4	30.4	30.5	30.5	30.5	30.7
19.3	22.3	25.9	28.3	29.5	30.8	31.1	31.2	31.5	31.8	31.8	31.8	31.9	31.9	32.0
20.3	23.6	27.4	30.0	31.4	32.7	33.0	33.1	33.4	33.7	33.7	33.8	33.9	33.9	34.0
20.7	24.2	28.3	31.0	32.6	33.9	34.4	34.4	34.8	35.1	35.1	35.1	35.2	35.2	35.3
22.0	25.8	30.3	33.1	35.0	36.3	36.8	36.9	37.3	37.7	37.9	37.9	38.0	38.0	38.2
24.2	28.3	33.2	36.4	38.3	39.8	40.3	40.5	41.1	41.5	41.6	41.7	41.8	41.8	42.0
26.3	30.9	35.9	39.2	41.2	42.9	43.7	43.8	44.4	45.0	45.1	45.2	45.3	45.3	45.5
30.0	35.1	40.1	43.8	45.7	47.7	48.6	48.7	49.3	49.9	50.1	50.3	50.3	50.3	50.5
33.1	38.7	44.4	48.3	50.5	52.7	53.9	54.3	55.1	55.8	56.0	56.1	56.2	56.2	56.4
34.2	40.3	46.7	50.8	53.0	55.3	56.5	56.9	57.7	58.4	58.6	58.8	58.9	58.9	59.1
36.4	43.2	50.3	54.9	57.3	60.0	61.2	61.7	62.6	63.5	63.7	63.9	64.0	64.0	64.2
38.6	46.7	54.6	60.3	63.4	66.5	67.8	68.3	69.6	70.4	70.8	70.9	71.1	71.1	71.3
39.8	48.2	56.9	63.7	66.9	70.2	72.0	72.9	74.1	75.0	75.3	75.5	75.7	75.7	75.9
39.9	48.8	58.2	66.1	69.5	73.0	75.2	76.1	77.3	78.3	78.6	78.8	79.0	79.0	79.2
40.2	49.5	59.5	68.1	72.2	76.3	78.7	79.7	81.1	82.1	82.4	82.6	82.9	82.9	83.1
40.5	49.9	60.0	68.8	73.3	77.7	80.5	81.6	83.1	84.1	84.6	84.8	85.0	85.1	85.3
40.5	50.0	60.2	69.3	74.0	78.6	81.8	82.9	84.6	85.7	86.2	86.6	86.8	86.9	87.2
40.7	50.3	60.8	70.1	75.7	80.3	84.2	85.5	87.5	88.9	89.5	89.9	90.3	90.3	90.6
40.7	50.3	60.8	70.3	76.3	81.6	85.6	87.0	89.5	91.1	91.8	92.3	93.0	93.1	93.3
40.7	50.3	60.8	70.4	76.5	82.0	86.3	87.7	90.8	92.6	93.6	94.3	95.1	95.2	95.8
40.7	50.3	60.8	70.4	76.6	82.2	86.5	88.0	91.2	93.2	94.4	95.4	96.6	96.7	98.4
40.7	50.3	60.8	70.4	76.6	82.2	86.5	88.0	91.2	93.3	94.4	95.6	97.0	97.0	99.9
40.7	50.3	60.8	70.4	76.6	82.2	86.5	88.0	91.2	93.3	94.4	95.6	97.0	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1342

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

12.7	14.3	16.4	18.1	18.4	18.8	19.4	19.5	19.5	19.6	19.6	19.7	19.7	19.7	19.8
17.3	19.6	22.3	24.3	24.9	25.4	26.1	26.3	26.5	26.7	26.8	26.9	26.9	26.9	27.0
17.3	19.7	22.4	24.4	24.9	25.4	26.2	26.4	26.6	26.8	26.9	26.9	27.0	27.0	27.1
17.3	19.7	22.5	24.5	25.0	25.5	26.3	26.5	26.7	26.9	26.9	27.0	27.1	27.1	27.1
17.5	19.9	22.6	24.7	25.3	25.8	26.6	26.8	27.0	27.2	27.2	27.3	27.4	27.4	27.4
18.6	21.1	23.8	26.0	26.6	27.2	28.1	28.3	28.5	28.7	28.8	28.9	28.9	28.9	29.0
19.5	22.1	25.0	27.2	27.9	28.6	29.6	29.8	30.1	30.3	30.4	30.4	30.5	30.5	30.6
20.2	22.8	25.8	28.3	28.9	29.8	30.9	31.1	31.4	31.6	31.7	31.7	31.8	31.8	31.8
21.7	24.7	28.0	30.7	31.5	32.5	33.5	33.9	34.2	34.4	34.4	34.5	34.6	34.6	34.6
23.6	26.8	30.2	33.2	34.1	35.1	36.2	36.6	36.9	37.2	37.2	37.3	37.4	37.4	37.5
24.3	27.9	31.5	34.4	35.5	36.5	37.7	38.1	38.4	38.6	38.7	38.8	38.9	38.9	39.0
26.3	30.3	33.9	37.0	38.1	39.2	40.4	40.7	41.2	41.7	41.7	41.9	42.1	42.1	42.1
27.2	31.2	35.1	38.4	39.4	40.6	41.8	42.1	42.7	43.1	43.2	43.4	43.6	43.6	43.6
29.5	33.5	37.6	40.8	41.9	43.2	44.6	45.0	45.8	46.3	46.4	46.6	46.8	46.8	46.9
31.2	35.5	39.9	43.2	44.7	46.0	47.4	47.9	48.7	49.3	49.3	49.5	49.7	49.7	49.8
32.9	37.8	42.0	45.9	47.3	48.9	50.5	50.9	51.9	52.5	52.6	52.8	53.0	53.0	53.1
35.9	41.3	46.1	50.0	51.5	53.2	55.0	55.4	56.4	57.0	57.1	57.3	57.6	57.6	57.7
39.4	45.9	51.0	55.6	57.4	59.4	61.2	61.7	62.8	63.5	63.6	63.8	64.1	64.1	64.1
40.3	47.3	52.9	57.9	59.8	61.9	63.8	64.3	65.4	66.1	66.1	66.4	66.7	66.7	66.7
41.5	48.7	55.4	61.2	63.4	65.8	68.0	68.5	69.8	70.5	70.6	70.9	71.1	71.1	71.2
42.8	50.6	57.9	65.0	67.5	70.6	72.9	73.7	75.1	75.9	76.0	76.2	76.5	76.6	76.6
43.2	51.3	59.1	67.1	69.8	73.1	75.5	76.3	78.0	78.7	78.8	79.2	79.4	79.5	79.5
43.4	51.7	59.9	68.2	71.2	75.0	77.5	78.4	80.2	81.0	81.1	81.4	81.7	81.9	81.9
43.7	52.2	60.8	69.6	73.1	77.4	80.4	81.4	83.2	84.1	84.2	84.5	84.8	85.0	85.0
43.9	52.6	61.4	71.0	74.6	79.3	82.5	83.6	85.6	86.8	87.0	87.3	87.6	87.8	87.8
44.0	52.8	61.7	71.7	75.8	80.6	84.3	85.4	87.5	88.8	89.0	89.3	89.7	89.9	90.0
44.0	52.8	61.9	71.9	76.0	81.0	85.6	86.9	89.0	90.3	90.7	91.4	91.8	92.0	92.1
44.0	52.8	61.9	72.0	76.2	82.2	86.1	87.6	90.4	91.9	92.6	93.4	93.9	94.0	94.4
44.0	52.8	61.9	72.0	76.2	82.4	86.6	88.2	91.3	93.1	93.9	94.9	95.5	95.7	96.3
44.0	52.8	61.9	72.0	76.3	82.6	86.8	88.3	91.6	93.9	94.8	95.9	97.0	97.3	98.4
44.0	52.8	61.9	72.0	76.3	82.6	86.8	88.3	91.7	94.0	94.9	96.1	97.4	97.7	99.8
44.0	52.8	61.9	72.0	76.3	82.6	86.8	88.3	91.7	94.0	94.9	96.1	97.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1545

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-67 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

9.9	13.6	15.9	18.1	19.9	21.9	22.4	23.0	23.3	23.3	23.3	23.4	23.4	23.4	24.1	
12.9	17.0	19.6	22.7	25.0	27.3	27.8	28.4	28.9	29.0	29.1	29.2	29.3	29.3	30.1	
12.9	17.0	19.6	22.7	25.0	27.3	27.8	28.4	28.9	29.0	29.1	29.2	29.3	29.3	30.1	
12.9	17.0	19.6	22.7	25.0	27.3	27.8	28.4	28.9	29.0	29.1	29.2	29.3	29.3	30.1	
12.9	17.1	19.7	22.7	25.0	27.3	27.9	28.4	29.0	29.1	29.2	29.3	29.3	29.3	30.4	
13.4	17.6	20.2	23.4	25.7	28.1	28.7	29.3	29.9	30.1	30.1	30.2	30.3	30.3	31.3	
14.1	18.5	21.3	24.4	26.8	29.2	29.9	30.8	31.1	31.3	31.3	31.4	31.5	31.5	32.5	
14.8	19.2	21.9	25.1	27.6	30.0	30.9	31.5	32.1	32.2	32.3	32.4	32.4	32.4	33.5	
15.6	20.1	23.1	26.8	29.9	31.9	32.9	33.6	34.2	34.4	34.4	34.6	34.7	34.7	35.7	
17.3	21.9	25.0	29.1	31.7	34.4	35.5	36.3	36.9	37.1	37.2	37.3	37.4	37.4	38.4	
18.6	23.1	26.4	30.6	33.4	36.2	37.6	38.4	39.0	39.2	39.3	39.4	39.5	39.5	40.5	
19.9	24.4	28.0	32.4	35.4	38.7	40.0	40.9	41.8	42.1	42.2	42.4	42.5	42.5	43.6	
20.7	25.4	29.3	34.1	37.1	40.4	41.8	42.7	43.7	44.1	44.1	44.3	44.4	44.4	45.5	
21.8	26.5	30.5	35.3	38.8	42.4	44.0	44.9	45.9	46.3	46.6	46.7	46.9	46.9	47.9	
22.6	27.6	31.9	37.0	40.7	44.3	46.0	46.9	47.9	48.7	48.7	49.0	49.1	49.1	50.1	
23.5	28.8	33.6	39.2	43.3	47.0	48.7	49.6	50.7	51.5	51.6	51.8	52.0	52.0	53.0	
25.3	31.0	36.4	42.7	47.3	51.3	53.2	54.1	55.2	56.0	56.1	56.3	56.5	56.5	57.6	
26.8	33.8	40.5	47.4	52.4	56.9	59.0	59.9	61.0	61.9	62.0	62.2	62.4	62.4	63.5	
27.0	34.1	41.3	48.5	53.6	58.3	60.4	61.5	62.6	63.4	63.6	63.8	64.0	64.0	65.0	
27.8	35.5	44.3	51.9	57.4	62.8	65.0	66.0	67.1	67.9	68.1	68.3	68.5	68.5	69.6	
29.5	37.6	47.2	56.1	62.9	69.0	71.4	72.5	73.8	74.7	74.8	75.0	75.3	75.3	76.3	
29.8	38.1	48.4	57.8	65.1	71.6	74.1	75.3	76.7	77.7	77.9	78.1	78.3	78.3	79.3	
30.0	38.4	49.0	58.9	66.6	73.3	76.1	77.4	78.8	79.9	80.0	80.2	80.4	80.4	81.5	
30.2	38.9	49.5	59.9	67.9	75.6	78.8	80.1	81.6	82.9	83.2	83.4	83.6	83.6	84.7	
30.2	39.0	49.6	60.5	69.0	77.1	80.5	81.8	83.3	84.8	85.1	85.3	85.6	85.6	86.6	
30.2	39.1	49.7	60.8	69.6	78.1	81.6	82.9	84.5	86.1	86.3	86.7	87.0	87.0	88.0	
30.3	39.3	49.9	61.1	70.0	78.9	83.0	84.4	86.2	87.9	88.3	88.7	89.0	89.0	90.0	
30.3	39.3	49.9	61.3	70.4	79.6	84.4	86.1	88.1	90.1	90.9	91.1	91.4	91.4	92.7	
30.3	39.3	49.9	61.3	70.7	79.9	85.2	87.0	89.2	91.9	92.7	92.9	93.3	93.3	94.1	
30.3	39.3	49.9	61.3	70.7	80.1	85.6	87.6	90.1	93.0	94.0	94.4	95.3	95.7	97.1	
30.3	39.3	49.9	61.3	70.7	80.1	85.6	87.6	90.1	93.0	94.0	94.6	95.9	96.1	98.7	
30.3	39.3	49.9	61.3	70.7	80.1	85.6	87.6	90.1	93.1	94.1	94.7	96.0	96.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1350

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34080 SEMBACH AB GERMANY 53-67 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

11.0	13.4	15.3	17.5	18.9	20.5	21.4	21.8	22.8	22.9	23.0	23.1	23.7	23.7	25.1	
12.5	15.0	17.6	20.2	22.5	24.2	25.3	25.6	26.7	26.8	26.9	27.0	27.7	27.7	29.1	
12.5	15.0	17.6	20.2	22.5	24.2	25.3	25.6	26.7	26.8	26.9	27.0	27.7	27.7	29.1	
12.6	15.1	17.6	20.3	22.5	24.3	25.4	25.7	26.8	26.9	27.0	27.1	27.7	27.7	29.1	
12.7	15.2	17.7	20.4	22.6	24.4	25.4	25.8	26.8	27.0	27.1	27.1	27.8	27.8	29.2	
13.1	15.6	18.2	20.8	23.1	24.8	25.9	26.2	27.3	27.4	27.5	27.6	28.2	28.2	29.7	
13.6	16.2	18.7	21.3	23.6	25.4	26.4	26.8	27.8	27.9	28.1	28.2	28.8	28.8	30.2	
14.5	17.1	19.7	22.4	24.6	26.4	27.4	27.8	28.8	29.0	29.2	29.3	29.9	29.9	31.4	
15.6	18.9	22.0	25.0	27.3	29.1	30.2	30.6	31.8	31.9	32.2	32.2	32.9	32.9	34.3	
18.1	21.4	24.8	28.2	30.8	32.7	33.8	34.2	35.6	35.7	36.0	36.0	36.7	36.7	38.1	
19.0	22.5	26.1	29.6	32.3	34.7	35.9	36.3	37.8	38.0	38.2	38.3	38.9	38.9	40.3	
20.0	23.7	27.6	31.3	34.3	37.2	38.4	39.3	40.7	40.8	41.2	41.3	42.0	42.0	43.4	
20.8	24.8	28.7	32.8	36.3	39.2	40.4	41.4	42.8	43.0	43.4	43.6	44.4	44.4	45.8	
21.4	25.4	29.5	33.8	37.8	41.3	42.6	43.6	45.0	45.2	45.7	45.9	46.7	46.7	48.1	
21.9	25.9	30.5	34.8	38.8	42.5	44.2	45.1	46.6	46.8	47.3	47.4	48.3	48.3	49.7	
23.2	27.5	32.4	36.8	41.5	45.5	47.3	48.3	49.7	50.0	50.5	50.7	51.5	51.5	53.1	
24.7	29.7	35.5	40.9	46.3	51.1	52.9	53.8	55.3	55.7	56.3	56.5	57.3	57.3	58.9	
26.3	31.9	38.7	44.3	50.2	55.2	57.2	58.1	59.7	60.1	60.6	60.9	61.7	61.7	63.2	
27.1	32.6	40.0	45.8	52.0	57.2	59.2	60.1	61.7	62.1	62.6	62.9	63.7	63.7	65.2	
27.8	33.7	41.9	48.0	54.5	60.0	62.0	62.9	64.7	65.2	65.8	66.0	66.9	66.9	68.5	
28.2	34.6	44.0	51.1	58.4	64.2	66.4	67.4	69.2	69.7	70.3	70.5	71.3	71.4	72.9	
28.6	35.6	45.7	53.9	61.8	67.8	70.1	71.2	73.0	73.6	74.2	74.4	75.2	75.3	76.9	
28.6	35.6	46.0	54.6	62.4	69.3	71.9	73.0	74.8	75.4	76.0	76.2	77.0	77.1	78.7	
28.7	35.8	46.4	55.7	64.0	71.8	74.2	75.3	77.2	77.9	78.5	78.8	79.6	79.7	81.2	
28.9	36.2	47.1	56.9	65.8	73.8	76.3	77.5	79.4	80.1	80.7	81.0	81.8	81.9	83.5	
29.0	36.7	47.5	57.6	66.6	74.9	77.6	78.9	80.9	81.9	82.7	83.0	83.8	83.8	85.4	
29.1	36.8	47.7	58.0	67.3	76.2	79.0	80.3	82.6	83.3	84.3	84.7	85.7	85.8	87.3	
29.1	36.9	47.8	58.3	68.1	77.6	80.9	82.4	84.9	86.1	87.2	87.5	88.4	88.4	90.3	
29.1	37.0	47.9	58.4	68.4	78.7	82.2	83.8	86.4	88.3	89.7	90.1	91.0	91.1	93.2	
29.1	37.0	47.9	58.4	68.4	78.9	82.7	84.3	87.0	89.3	90.7	91.2	92.3	92.4	94.6	
29.2	37.1	48.0	58.5	68.5	79.1	82.8	84.4	87.3	89.8	91.3	92.0	93.8	93.8	97.9	
29.2	37.1	48.0	58.5	68.5	79.1	82.8	84.4	87.5	89.9	91.4	92.1	94.3	94.4	100.0	

TOTAL NUMBER OF OBSERVATIONS 1349

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-07 CEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

7.2	8.7	11.7	13.7	15.8	17.4	19.5	20.3	20.5	21.2	21.6	22.0	22.7	22.8	23.6	
7.7	9.3	12.6	14.7	16.6	18.9	21.2	22.1	22.3	23.0	23.4	23.8	24.5	24.6	25.4	
7.7	9.3	12.6	14.7	16.6	18.9	21.2	22.1	22.3	23.0	23.4	23.8	24.5	24.6	25.4	
7.7	9.3	12.6	14.8	16.7	19.0	21.3	22.2	22.4	23.0	23.5	23.9	24.5	24.7	25.5	
7.7	9.3	12.6	14.8	16.7	19.0	21.3	22.2	22.5	23.2	23.7	24.1	24.7	24.9	25.7	
7.8	9.4	12.6	15.0	16.9	19.3	21.6	22.5	22.8	23.5	24.0	24.4	25.0	25.2	26.0	
8.1	9.7	12.9	15.7	17.7	20.2	22.6	23.7	24.0	24.7	25.2	25.6	26.3	26.4	27.2	
8.4	10.0	13.4	16.2	18.4	20.9	23.3	24.5	24.7	25.5	25.9	26.3	27.0	27.1	28.0	
9.5	11.3	14.6	17.4	19.8	22.5	24.9	26.0	26.4	27.1	27.5	28.0	28.6	28.8	29.8	
10.6	12.8	16.2	19.1	21.4	24.2	26.5	27.7	28.0	28.8	29.3	29.8	30.6	30.7	31.7	
11.6	13.8	17.4	20.7	23.1	25.8	28.2	29.3	29.7	30.4	30.9	31.4	32.2	32.4	33.4	
12.6	14.6	18.4	22.2	24.8	27.5	29.9	31.1	31.4	32.1	32.6	33.1	33.9	34.1	35.1	
13.3	15.4	19.4	23.2	25.8	28.6	31.1	32.2	32.7	33.4	33.9	34.4	35.2	35.4	36.4	
13.1	17.4	21.6	25.5	28.1	31.1	33.3	34.6	35.2	35.9	36.4	36.9	37.7	37.8	39.0	
16.0	18.4	23.0	27.3	29.9	33.0	35.6	36.7	37.2	38.1	38.7	39.2	40.0	40.1	41.2	
17.1	19.6	24.2	28.8	31.8	34.9	37.2	38.4	38.9	39.7	40.3	40.8	41.6	41.8	43.0	
18.8	21.5	26.5	31.4	34.3	37.5	40.1	41.3	42.0	42.8	43.3	44.0	44.8	45.0	46.1	
20.4	23.2	28.5	34.0	37.1	40.7	43.4	44.8	45.4	46.4	47.1	47.6	48.4	48.6	49.7	
21.2	24.2	29.7	35.6	38.8	42.5	45.3	46.7	47.3	48.4	49.1	49.6	50.4	50.6	51.7	
22.3	25.7	32.1	38.1	41.9	45.9	48.8	50.1	50.8	51.9	52.5	53.0	53.9	54.0	55.2	
24.0	28.9	36.2	42.6	46.7	51.1	54.1	55.3	56.3	57.7	58.4	58.9	59.8	60.0	61.1	
24.9	30.8	39.5	46.7	51.1	55.8	58.8	60.3	61.4	62.6	63.3	63.8	64.8	64.9	66.1	
25.5	31.8	40.9	48.4	53.2	58.3	61.5	63.0	64.2	65.4	66.4	66.9	67.8	67.9	69.1	
26.0	32.8	43.0	51.0	56.4	62.5	65.6	67.1	68.2	69.3	70.4	70.9	71.9	72.0	73.2	
26.1	33.4	44.3	53.5	59.3	66.2	69.9	71.4	72.7	74.1	75.0	75.6	76.5	76.7	77.8	
26.2	33.8	45.2	54.9	61.0	68.7	72.7	74.3	75.7	77.2	78.1	78.7	79.6	79.8	81.0	
26.2	33.9	45.8	56.1	62.7	71.2	75.5	77.6	79.1	80.9	81.9	82.5	83.5	83.6	84.9	
26.2	34.1	46.0	56.5	63.5	72.4	77.4	79.7	81.6	83.5	84.4	85.1	86.1	86.2	87.6	
26.2	34.1	46.0	56.8	63.8	73.7	79.3	82.0	84.1	86.3	87.2	87.9	89.0	89.2	90.6	
26.2	34.1	46.0	56.8	64.1	74.2	79.8	82.7	85.0	88.5	90.2	91.4	91.6	91.8	93.2	
26.2	34.1	46.0	56.8	64.2	74.3	80.0	82.9	85.9	89.0	90.8	91.0	92.9	93.1	94.7	
26.2	34.1	46.0	56.8	64.2	74.3	80.0	82.9	85.9	89.0	90.8	91.1	93.1	93.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 1396

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

7.7	9.0	11.8	13.9	15.3	17.0	18.3	19.2	19.8	20.2	20.6	20.9	21.6	21.6	22.4
8.7	10.1	13.1	15.2	16.7	18.5	19.8	20.7	21.2	21.7	22.1	22.4	23.1	23.1	23.9
8.7	10.1	13.1	15.2	16.7	18.5	19.8	20.7	21.2	21.7	22.1	22.4	23.1	23.1	23.9
8.7	10.1	13.1	15.2	16.7	18.5	19.8	20.7	21.2	21.7	22.1	22.4	23.1	23.1	23.9
8.7	10.1	13.1	15.2	16.7	18.5	19.8	20.7	21.2	21.7	22.1	22.4	23.1	23.1	23.9
8.8	10.2	13.2	15.5	17.1	19.0	20.3	21.2	21.7	22.2	22.5	22.9	23.6	23.6	24.5
9.0	10.5	13.6	16.0	17.7	19.6	20.9	21.9	22.5	22.9	23.3	23.6	24.3	24.3	25.3
9.2	10.7	13.8	16.2	17.9	19.8	21.2	22.2	22.7	23.3	23.6	24.0	24.6	24.6	25.6
9.4	11.0	14.3	16.6	18.3	20.2	21.6	22.6	23.2	23.8	24.1	24.4	25.1	25.1	26.1
10.7	12.4	15.9	18.3	20.2	22.3	23.8	24.8	25.5	26.1	26.5	26.9	27.6	27.6	28.5
12.0	13.6	17.3	19.8	21.8	24.1	25.6	26.6	27.3	28.0	28.4	28.8	29.5	29.5	30.4
13.4	15.2	19.0	21.9	24.0	26.3	27.8	28.8	29.5	30.1	30.6	31.0	31.8	31.8	32.8
14.0	15.8	19.8	22.9	25.1	27.4	28.9	29.9	30.6	31.3	31.8	32.1	33.0	33.0	33.9
15.0	16.8	21.2	24.4	26.7	29.3	30.9	32.0	32.7	33.4	33.9	34.2	35.1	35.1	36.0
15.8	17.9	22.5	25.8	28.0	30.8	32.5	33.6	34.4	35.1	35.6	35.9	36.8	36.8	37.7
17.3	19.8	24.4	27.7	30.2	33.1	34.8	36.0	36.8	37.5	37.9	38.3	39.2	39.2	40.1
18.7	21.7	26.6	29.9	32.5	35.5	37.7	38.8	39.6	40.3	40.8	41.1	42.0	42.0	43.0
20.3	23.7	29.3	32.9	35.8	39.0	40.9	42.1	42.9	43.6	44.1	44.5	45.3	45.3	46.3
21.5	24.5	30.6	34.4	37.7	41.0	42.9	44.1	44.9	45.6	46.0	46.4	47.3	47.3	48.3
22.5	26.6	33.1	37.1	40.8	44.3	46.2	47.4	48.3	49.0	49.5	49.9	50.8	50.8	51.7
24.7	30.6	38.2	42.4	46.7	50.8	53.0	54.3	55.3	56.0	56.5	57.0	57.8	57.8	58.9
25.9	32.6	40.9	45.6	50.1	54.6	57.0	58.3	59.6	60.4	60.9	61.4	62.3	62.3	63.4
26.5	33.7	42.7	47.9	52.7	57.3	59.	61.4	62.7	63.5	64.0	64.5	65.4	65.4	66.6
27.0	34.5	43.9	49.9	55.1	60.4	63.1	64.6	65.9	66.7	67.2	67.7	68.6	68.6	69.8
27.2	35.4	45.1	52.5	58.5	65.1	68.1	69.9	71.1	72.2	72.7	73.2	74.1	74.1	75.3
27.3	36.1	46.2	54.1	60.4	67.9	71.2	73.0	74.3	75.8	76.2	76.8	77.9	77.9	79.0
27.3	36.3	46.8	55.2	61.7	69.9	73.3	75.2	76.8	78.3	79.0	79.8	80.9	80.9	82.1
27.3	36.3	47.0	55.6	62.6	71.9	76.1	78.3	80.4	82.2	82.7	83.3	84.7	84.7	86.0
27.4	36.5	47.3	56.1	63.3	73.7	78.8	81.1	83.6	85.6	86.2	86.8	88.3	88.3	89.8
27.4	36.5	47.3	56.1	63.3	74.1	79.4	82.2	85.3	88.1	88.8	89.3	91.3	91.6	94.0
27.4	36.5	47.3	56.1	63.3	74.1	79.4	82.3	85.5	88.5	89.1	90.0	93.4	93.7	97.0
27.4	36.5	47.3	56.1	63.3	74.1	79.4	82.4	85.5	88.9	90.0	90.8	93.6	93.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1473

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34090 SEMBACH AB GERMANY 52-72 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

7.3	8.7	10.4	12.3	13.4	14.8	16.2	16.7	17.1	17.5	17.6	17.7	18.5	18.6	20.1	
7.9	9.3	11.0	13.2	14.1	15.6	17.1	17.7	18.1	18.6	18.7	18.9	19.7	19.7	21.5	
7.9	9.3	11.0	13.2	14.1	15.6	17.1	17.7	18.1	18.6	18.7	18.9	19.7	19.7	21.5	
7.9	9.3	11.0	13.2	14.1	15.6	17.1	17.7	18.1	18.6	18.7	18.9	19.7	19.7	21.5	
8.1	9.4	11.1	13.3	14.3	15.7	17.2	17.8	18.3	18.7	18.8	19.0	19.8	19.9	21.6	
8.3	9.6	11.4	13.6	14.7	16.2	17.6	18.3	18.7	19.2	19.2	19.4	20.2	20.3	22.0	
8.6	10.0	11.7	14.0	15.1	16.6	18.2	18.8	19.2	19.7	19.8	20.0	20.8	20.8	22.6	
9.0	10.5	12.5	14.8	16.0	17.5	19.1	19.7	20.2	20.8	20.9	21.1	21.9	22.0	23.8	
9.5	11.3	13.3	15.6	16.8	18.4	20.0	20.7	21.1	21.8	21.9	22.1	22.9	23.0	24.8	
10.0	11.8	14.1	16.7	18.3	19.9	21.5	22.2	22.6	23.3	23.6	23.8	24.6	24.7	26.6	
10.9	13.0	15.4	18.1	19.8	21.2	22.9	23.6	24.0	24.9	25.0	25.2	26.1	26.2	28.0	
11.9	14.3	16.9	20.1	21.8	23.4	25.1	25.8	26.3	27.2	27.4	27.6	28.5	28.6	30.4	
12.0	14.6	17.2	20.6	22.4	24.0	25.8	26.4	26.9	27.8	28.0	28.3	29.2	29.3	31.1	
12.8	15.5	18.2	21.9	23.7	25.7	27.5	28.2	28.7	29.7	29.8	30.1	31.0	31.1	32.9	
14.0	17.1	20.0	23.8	25.8	27.7	29.6	30.3	30.8	31.8	31.9	32.2	33.1	33.2	35.0	
15.6	19.0	22.1	26.1	28.0	30.3	32.3	33.0	33.6	34.6	34.7	35.0	36.0	36.0	37.9	
18.0	21.9	25.5	29.7	31.8	34.1	36.2	37.1	37.7	38.7	38.8	39.2	40.1	40.1	42.0	
20.3	24.6	28.8	33.3	35.6	38.0	40.1	41.0	41.7	42.7	42.8	43.2	44.1	44.2	46.0	
21.1	25.8	30.2	34.7	37.2	39.8	42.0	42.9	43.7	44.7	44.9	45.2	46.2	46.2	48.1	
21.9	26.9	32.1	36.8	39.4	42.2	44.6	45.5	46.3	47.4	47.6	47.9	48.9	48.9	50.8	
24.2	30.5	36.0	41.9	45.2	48.5	51.1	52.1	52.9	54.0	54.2	54.6	55.6	55.7	57.5	
25.3	32.8	39.8	45.8	49.4	53.1	55.9	57.1	58.1	59.3	59.6	60.0	61.1	61.2	63.0	
25.9	33.6	41.2	48.1	52.4	56.4	59.6	60.8	62.0	63.2	63.6	63.9	65.0	65.1	66.9	
26.4	34.6	43.1	50.9	55.9	60.2	63.7	65.1	66.3	67.5	67.9	68.3	69.3	69.5	71.4	
27.1	35.9	45.1	53.8	59.2	64.1	67.9	69.6	71.1	72.5	72.8	73.2	74.4	74.4	76.3	
27.4	36.5	46.2	55.6	61.6	66.7	70.9	72.6	74.2	75.8	76.2	76.8	77.7	77.8	79.6	
27.4	36.6	46.5	56.6	62.8	68.7	73.0	74.7	76.6	78.2	78.7	79.0	80.4	80.5	82.3	
27.5	36.8	47.0	57.3	63.9	71.2	75.7	77.6	79.9	81.6	82.1	82.4	83.8	83.8	85.7	
27.5	36.9	47.1	57.7	64.7	72.3	77.7	80.0	82.8	85.2	85.7	86.3	87.7	87.8	89.9	
27.5	36.9	47.1	57.7	64.7	72.4	78.1	80.6	83.8	87.0	87.9	88.6	90.3	91.1	93.2	
27.5	36.9	47.1	57.7	64.7	72.5	78.2	80.7	84.0	87.6	88.7	89.7	92.0	93.5	97.9	
27.5	36.9	47.1	57.7	64.7	72.5	78.2	80.7	84.0	87.7	88.9	90.0	93.6	94.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 1627

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34096 SEMBACH AB GERMANY 53-72 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

6.0	7.5	9.1	10.7	12.0	13.1	13.8	14.2	14.6	14.8	15.0	15.2	15.3	15.3	16.3	
7.4	9.2	11.3	12.9	14.3	15.6	16.5	17.1	17.7	17.9	18.2	18.4	18.6	18.7	19.8	
7.4	9.3	11.4	13.0	14.4	15.7	16.5	17.2	17.7	18.0	18.2	18.5	18.7	18.7	19.9	
7.6	9.4	11.5	13.1	14.5	15.8	16.6	17.3	17.9	18.1	18.4	18.6	18.8	18.8	20.0	
7.7	9.5	11.6	13.2	14.6	16.0	16.8	17.5	18.1	18.4	18.6	18.8	19.0	19.1	20.3	
7.9	9.8	11.8	13.5	15.0	16.5	17.3	18.0	18.6	18.8	19.1	19.3	19.5	19.6	20.7	
8.2	10.2	12.3	14.1	15.7	17.1	18.0	18.7	19.3	19.5	19.8	20.0	20.2	20.3	21.4	
8.4	10.4	12.6	14.4	16.0	17.7	18.6	19.3	20.0	20.3	20.6	20.8	21.0	21.1	22.3	
9.0	11.2	13.4	15.2	16.9	18.7	19.5	20.2	20.9	21.2	21.5	21.7	21.9	22.0	23.2	
9.7	12.0	14.4	16.3	18.0	20.0	21.1	21.8	22.5	22.8	23.1	23.3	23.5	23.6	24.9	
10.7	13.0	15.5	17.4	19.2	21.4	22.5	23.2	23.9	24.2	24.5	24.7	25.0	25.0	26.3	
11.7	14.4	16.9	18.8	20.6	22.8	23.9	24.7	25.4	25.7	26.0	26.3	26.6	26.6	28.1	
12.2	14.9	17.4	19.3	21.3	23.5	24.7	25.4	26.2	26.5	26.8	27.2	27.5	27.6	29.0	
12.8	15.6	18.2	20.3	22.2	24.4	25.7	26.6	27.4	27.7	28.1	28.5	28.8	28.9	30.3	
13.5	16.7	19.5	21.5	23.4	25.8	27.1	28.1	29.0	29.4	29.8	30.2	30.5	30.6	32.0	
14.9	18.3	21.1	23.4	25.4	27.9	29.4	30.4	31.5	31.9	32.3	32.7	33.0	33.1	34.5	
17.3	21.0	24.0	26.6	28.8	31.4	33.1	34.1	35.2	35.7	36.2	36.6	36.9	37.0	38.4	
19.8	23.9	27.8	30.8	32.8	35.7	37.6	38.6	39.8	40.3	40.7	41.1	41.4	41.5	42.9	
20.6	24.9	29.0	32.1	34.1	37.1	38.9	40.1	41.4	41.9	42.3	42.7	43.0	43.1	44.5	
22.5	27.4	32.0	35.7	37.9	41.2	43.2	44.6	46.0	46.6	47.1	47.6	47.9	47.9	49.4	
24.8	30.9	36.3	41.3	43.9	47.3	49.4	50.9	52.4	53.1	53.6	54.1	54.5	54.6	56.1	
26.0	32.8	38.8	44.6	47.3	50.9	52.9	54.5	56.2	57.0	57.6	58.1	58.6	58.7	60.2	
26.6	33.8	40.0	46.7	49.8	53.2	55.2	57.0	58.7	59.7	60.2	60.9	61.4	61.5	63.0	
27.4	35.2	42.6	50.1	53.3	57.5	59.9	61.9	63.8	64.9	65.5	66.2	66.7	66.9	68.3	
28.3	36.9	44.8	54.0	57.3	62.2	64.7	67.0	69.3	70.9	71.7	72.6	73.1	73.2	74.7	
28.3	37.4	45.9	55.4	59.2	64.2	67.0	69.6	72.4	74.3	75.2	76.5	77.1	77.2	78.7	
28.7	37.7	46.7	56.7	60.7	66.2	69.5	72.3	75.7	78.0	79.1	80.4	81.2	81.4	83.2	
28.7	37.8	46.8	57.4	61.8	67.6	71.4	74.4	78.5	81.2	82.3	83.7	84.5	84.8	86.9	
28.7	37.8	46.8	57.5	62.0	68.1	72.3	75.4	80.0	83.3	85.4	87.2	88.0	88.3	90.7	
28.7	37.8	46.8	57.5	62.0	68.2	72.4	75.7	80.3	84.2	87.1	89.2	91.0	91.3	93.4	
28.7	37.8	46.8	57.5	62.0	68.2	72.4	75.7	80.3	84.4	87.4	89.9	92.4	92.7	95.8	
28.9	37.9	47.0	57.6	62.1	68.3	72.6	75.8	80.4	84.5	87.6	90.1	92.8	93.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 1629

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

8.3	10.5	12.6	14.3	15.1	15.8	16.1	16.5	16.9	17.1	17.2	17.2	17.5	17.5	17.7	
9.7	12.3	15.1	17.2	18.1	18.8	19.3	19.7	20.1	20.3	20.6	20.6	21.0	21.0	21.2	
9.7	12.4	15.4	17.4	18.3	19.1	19.5	20.0	20.4	20.6	20.8	20.9	21.2	21.2	21.5	
9.8	12.4	15.5	17.5	18.4	19.2	19.6	20.0	20.4	20.6	20.9	20.9	21.3	21.3	21.6	
9.8	12.4	15.5	17.5	18.4	19.2	19.6	20.0	20.4	20.6	20.9	20.9	21.3	21.3	21.6	
10.0	12.7	15.7	17.7	18.8	19.5	20.1	20.5	20.9	21.1	21.4	21.4	21.8	21.8	22.0	
10.1	12.9	16.0	18.1	19.3	20.2	20.8	21.2	21.6	21.8	22.0	22.1	22.5	22.5	22.7	
10.4	13.2	16.4	18.7	20.0	20.9	21.5	21.9	22.5	22.7	23.0	23.0	23.4	23.5	23.8	
11.0	13.9	17.1	19.5	20.8	21.8	22.4	22.8	23.4	23.6	23.9	24.0	24.3	24.4	24.7	
11.7	14.5	17.9	20.2	21.6	22.8	23.4	23.8	24.4	24.6	24.9	24.9	25.3	25.4	25.7	
13.1	15.9	19.3	21.8	23.2	24.4	25.1	25.5	26.0	26.3	26.5	26.6	27.0	27.1	27.3	
14.0	17.0	20.3	23.0	24.4	25.7	26.3	26.8	27.4	27.8	28.1	28.1	28.5	28.6	28.9	
14.8	17.9	21.2	23.8	25.2	26.5	27.2	27.8	28.4	28.9	29.1	29.2	29.6	29.7	30.0	
15.7	18.7	22.2	24.8	26.2	27.5	28.3	29.0	29.7	30.1	30.4	30.4	30.8	30.9	31.2	
17.1	20.5	24.0	26.6	28.1	29.6	30.5	31.2	31.9	32.4	32.6	32.7	33.1	33.2	33.5	
19.2	22.8	26.5	29.5	31.0	32.5	33.6	34.2	35.0	35.5	35.7	35.8	36.1	36.3	36.6	
21.6	25.4	29.2	32.5	34.0	35.9	37.3	38.1	38.9	39.3	39.6	39.7	40.0	40.1	40.5	
25.6	29.7	34.0	37.5	39.0	41.1	42.8	43.7	44.4	44.9	45.2	45.3	45.6	45.8	46.1	
27.0	31.2	35.7	39.3	41.1	43.2	44.9	45.8	46.5	47.0	47.3	47.4	47.7	47.8	48.2	
29.1	33.9	39.0	43.2	45.6	48.0	49.8	50.8	51.7	52.2	52.5	52.6	53.0	53.1	53.4	
31.8	37.9	44.2	48.7	51.3	54.3	56.2	57.3	58.4	59.0	59.4	59.5	59.9	60.0	60.3	
32.6	39.8	46.7	51.7	55.0	58.3	60.3	61.6	62.9	63.6	64.0	64.1	64.5	64.6	64.9	
33.1	40.8	48.2	53.8	57.1	60.5	62.7	64.0	65.5	66.4	66.7	66.9	67.2	67.4	67.7	
33.9	42.5	51.0	57.2	61.0	64.9	67.2	68.7	70.4	71.4	72.0	72.2	72.5	72.7	73.0	
34.5	43.5	52.6	59.5	63.4	67.9	70.6	72.2	74.1	75.2	76.0	76.3	76.7	76.8	77.1	
34.5	43.8	53.4	60.9	65.2	70.3	73.2	75.0	77.7	79.2	80.2	80.6	81.0	81.2	81.5	
34.7	44.0	53.9	62.1	66.9	72.7	76.2	78.8	81.3	83.3	84.5	85.0	85.4	85.6	86.1	
34.7	44.0	53.9	62.2	67.3	73.6	77.8	80.7	83.7	86.1	87.6	88.2	88.7	89.0	90.1	
34.7	44.0	53.9	62.3	67.7	73.9	78.4	81.8	85.1	88.2	90.2	91.6	92.2	92.5	93.8	
34.7	44.0	53.9	62.3	67.7	74.0	78.6	81.8	85.5	89.0	91.4	93.2	94.8	95.2	97.6	
34.7	44.0	53.9	62.3	67.7	74.0	78.6	81.8	85.6	89.1	91.6	93.3	95.3	95.8	98.4	
34.7	44.0	54.0	62.4	67.8	74.0	78.6	81.9	85.7	89.2	91.7	93.5	95.4	95.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 1624

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-72 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

7.4	9.2	11.2	13.3	14.1	14.9	15.4	15.6	16.0	17.0	17.0	17.0	17.0	17.0	17.2
9.4	11.2	13.8	16.3	17.2	18.1	18.6	19.0	19.5	20.7	20.7	20.7	20.9	20.9	21.0
9.4	11.3	13.9	16.4	17.3	18.3	18.8	19.1	19.7	20.9	20.9	20.9	21.0	21.0	21.2
9.5	11.4	14.0	16.5	17.4	18.4	18.9	19.2	19.8	21.0	21.0	21.0	21.1	21.1	21.3
9.8	11.7	14.4	17.1	18.0	19.0	19.5	19.8	20.4	21.6	21.6	21.6	21.7	21.7	21.9
10.0	12.1	14.8	17.5	18.5	19.5	20.0	20.3	20.9	22.2	22.2	22.2	22.3	22.3	22.5
10.4	12.5	15.4	18.1	19.0	20.1	20.6	20.9	21.5	22.8	22.8	22.8	23.0	23.0	23.1
10.9	13.1	16.0	18.9	19.9	21.0	21.7	22.1	22.8	24.1	24.1	24.1	24.2	24.2	24.4
11.5	13.8	17.0	19.9	20.9	22.1	23.0	23.5	24.2	25.5	25.6	25.6	25.7	25.7	25.9
12.0	14.6	17.7	20.7	21.8	23.1	24.0	24.4	25.2	26.5	26.5	26.6	26.8	26.8	27.0
13.1	16.0	19.3	22.5	23.6	24.9	25.8	26.2	27.0	28.3	28.3	28.4	28.6	28.6	28.8
14.1	17.1	20.6	24.0	25.1	26.4	27.4	27.9	28.6	30.0	30.1	30.1	30.3	30.3	30.5
14.7	17.8	21.2	24.8	26.0	27.3	28.3	28.8	29.6	30.9	31.0	31.0	31.2	31.2	31.4
15.8	19.1	22.8	26.4	27.7	29.0	30.0	30.6	31.4	32.8	32.9	33.0	33.1	33.1	33.3
17.1	20.4	24.1	27.8	29.1	30.6	31.7	32.3	33.1	34.6	34.8	34.8	35.0	35.0	35.2
18.8	22.7	26.7	30.7	32.0	33.6	34.9	35.6	36.4	38.0	38.1	38.2	38.4	38.4	38.6
22.0	26.0	30.2	34.8	36.2	38.0	39.4	40.1	41.0	42.6	42.7	42.8	43.0	43.1	43.3
24.9	29.3	34.5	39.3	40.7	42.6	44.1	44.8	45.8	47.5	47.7	47.8	48.0	48.0	48.3
26.3	31.1	36.4	41.4	42.9	44.9	46.4	47.1	48.3	50.0	50.2	50.3	50.5	50.6	50.8
28.3	34.1	40.0	46.6	47.3	49.7	51.5	52.2	53.6	55.2	55.4	55.6	55.7	55.8	56.0
31.1	38.0	44.8	51.2	53.5	56.4	58.5	59.3	60.8	62.8	63.0	63.2	63.4	63.5	63.7
32.3	40.4	47.8	54.9	57.8	61.1	63.5	64.8	66.6	68.6	68.8	69.1	69.3	69.3	69.6
32.7	41.1	48.1	56.8	59.9	63.6	66.0	67.3	69.6	71.8	72.0	72.2	72.4	72.5	72.7
33.3	42.5	51.2	59.3	62.9	67.0	69.9	71.7	73.9	76.3	76.7	77.0	77.2	77.2	77.5
33.4	43.0	52.2	61.1	65.1	69.8	72.8	74.8	77.2	79.8	80.2	80.6	80.8	80.9	81.1
33.4	43.1	52.5	62.3	66.6	71.7	74.9	76.9	79.4	82.3	82.8	83.1	83.3	83.4	83.9
33.5	43.3	52.8	63.1	67.9	73.3	76.7	79.3	82.3	85.3	86.1	86.7	87.2	87.3	87.9
33.5	43.3	53.0	63.3	68.3	74.0	77.9	81.0	84.5	88.3	89.2	89.9	90.4	90.6	91.5
33.5	43.3	53.0	63.3	68.3	74.2	78.1	81.7	85.4	89.6	90.6	91.6	92.3	92.8	94.1
33.5	43.3	53.0	63.3	68.3	74.2	78.3	81.9	85.6	90.1	91.4	92.0	94.3	94.9	96.9
33.5	43.3	53.0	63.3	68.3	74.2	78.3	81.9	85.6	90.3	91.7	93.5	95.0	96.0	99.1
33.6	43.4	53.1	63.3	68.6	74.3	78.4	82.0	85.7	90.4	91.8	93.6	95.2	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 1620

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-67 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

5.8	8.8	11.4	14.6	16.4	18.0	18.9	19.5	20.2	20.9	21.1	21.3	21.4	21.4	21.6
7.2	10.3	12.9	16.8	18.6	20.4	21.4	22.1	22.9	23.6	23.8	24.0	24.2	24.2	24.4
7.2	10.3	12.9	16.8	18.6	20.4	21.4	22.1	22.9	23.6	23.8	24.0	24.2	24.2	24.4
7.2	10.3	12.9	16.8	18.6	20.4	21.4	22.1	22.9	23.6	23.8	24.0	24.2	24.2	24.4
7.3	10.3	13.0	16.9	18.7	20.5	21.5	22.2	23.0	23.7	23.9	24.1	24.2	24.2	24.5
7.5	10.5	13.3	17.1	18.9	20.9	21.9	22.6	23.4	24.1	24.3	24.5	24.7	24.7	24.9
7.7	10.8	13.8	17.8	19.8	21.7	22.7	23.5	24.2	25.0	25.2	25.4	25.5	25.5	25.8
8.0	11.2	14.3	18.4	20.4	22.6	23.8	24.5	25.3	26.0	26.2	26.5	26.6	26.6	26.8
9.0	12.3	15.6	19.8	21.9	24.0	25.3	26.0	26.9	27.6	27.8	28.0	28.2	28.2	28.4
9.8	13.0	16.4	20.7	22.7	25.0	26.2	26.9	27.9	28.6	28.8	29.1	29.3	29.3	29.5
10.4	13.7	17.1	21.4	23.8	25.7	26.9	27.6	28.6	29.4	29.6	29.8	30.1	30.1	30.3
11.8	15.3	19.0	23.7	25.8	28.0	29.3	30.0	31.1	31.9	32.1	32.3	32.5	32.5	32.8
12.5	16.2	20.1	24.9	27.2	29.6	30.8	31.5	32.6	33.4	33.6	33.8	34.0	34.0	34.3
14.3	18.7	22.8	27.7	30.0	32.6	33.8	34.5	35.6	36.4	36.7	36.9	37.1	37.1	37.4
15.4	20.0	24.4	29.7	32.1	34.9	36.2	36.9	38.1	39.0	39.2	39.4	39.6	39.6	39.9
16.4	21.5	26.3	32.0	34.5	37.4	38.7	39.5	40.7	41.8	42.0	42.2	42.5	42.5	42.8
18.7	24.4	29.6	35.8	38.6	41.7	43.0	43.7	45.0	46.0	46.2	46.4	46.7	46.7	47.0
21.9	28.7	34.4	41.2	44.3	47.7	49.0	49.7	51.0	52.1	52.3	52.5	52.8	52.8	53.1
23.2	30.1	36.1	42.9	45.9	49.6	51.0	51.8	53.2	54.2	54.4	54.7	55.0	55.0	55.3
24.9	32.5	39.3	46.6	49.8	53.8	55.3	56.1	57.5	58.5	58.8	59.0	59.5	59.5	59.8
26.5	34.9	42.3	51.4	55.2	59.5	61.0	62.1	63.6	64.8	65.2	65.4	65.9	65.9	66.1
27.0	36.3	45.3	54.1	58.2	63.3	65.1	66.2	67.9	69.2	69.6	69.8	70.2	70.2	70.5
27.0	36.5	46.0	55.2	60.0	65.7	67.6	68.9	70.5	71.9	72.2	72.5	72.9	72.9	73.2
27.5	37.4	47.2	57.0	62.4	69.2	71.2	72.5	74.4	75.8	76.2	76.4	76.8	76.8	77.1
27.6	37.7	47.8	58.3	64.3	71.9	74.2	75.6	78.0	79.5	79.8	80.1	80.5	80.5	80.8
27.7	37.8	48.3	59.3	66.0	74.2	76.6	78.3	80.9	82.4	82.8	83.0	83.4	83.4	83.9
27.7	37.9	48.7	60.1	67.4	75.8	79.1	80.8	83.6	85.1	85.5	85.8	86.3	86.3	87.0
27.7	37.9	49.0	60.6	67.9	76.7	80.1	82.0	85.4	86.9	87.4	87.8	88.3	88.3	89.2
27.7	37.9	49.1	60.8	68.2	77.6	81.9	83.8	87.4	89.4	90.2	91.0	91.8	92.0	92.9
27.7	37.9	49.1	60.8	68.4	78.0	82.2	84.4	88.6	91.0	92.0	92.8	94.4	94.5	96.1
27.7	37.9	49.1	60.8	68.4	78.0	82.2	84.4	88.6	91.2	92.3	93.2	95.0	95.2	98.4
27.7	37.9	49.1	60.8	68.4	78.0	82.2	84.4	88.6	91.2	92.3	93.3	95.1	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 1394

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

1

CEILING VERSUS VISIBILITY

34056 SEMBACH AB GERMANY 53-67 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

5.3	7.6	11.0	13.8	15.5	17.9	19.1	19.4	20.0	20.9	21.2	21.4	21.9	21.9	22.7
6.4	9.0	12.5	15.6	17.3	19.9	21.2	21.8	22.4	23.4	23.7	23.9	24.4	24.4	25.2
6.4	9.0	12.5	15.6	17.3	19.9	21.2	21.8	22.4	23.4	23.7	23.9	24.4	24.4	25.2
6.5	9.1	12.7	15.8	17.6	20.1	21.4	22.0	22.7	23.7	23.9	24.2	24.6	24.7	25.4
6.5	9.1	12.7	15.8	17.6	20.1	21.4	22.0	22.7	23.7	23.9	24.2	24.6	24.7	25.4
6.7	9.2	12.8	15.9	17.7	20.3	21.6	22.2	22.8	23.8	24.1	24.3	24.7	24.8	25.6
6.8	9.4	13.0	16.4	18.4	21.1	22.4	23.2	23.9	24.9	25.2	25.4	25.9	25.9	26.7
7.5	10.3	13.9	17.6	19.6	22.4	23.8	24.7	25.3	26.4	26.7	26.9	27.3	27.4	28.2
8.3	11.5	15.2	18.9	20.9	24.2	25.5	26.4	27.1	28.2	28.5	28.7	29.1	29.2	30.0
10.0	13.0	16.9	20.6	22.7	25.9	27.2	28.2	29.0	30.3	30.5	30.8	31.3	31.4	32.2
10.8	13.8	17.8	21.8	23.8	27.0	28.4	29.3	30.2	31.4	31.7	32.0	32.5	32.5	33.3
11.8	14.8	18.9	23.2	25.3	28.5	29.9	30.9	31.8	33.0	33.3	33.6	34.1	34.2	35.0
12.5	15.6	20.0	24.2	26.5	29.8	31.2	32.2	33.1	34.3	34.6	34.9	35.6	35.6	36.5
13.9	17.2	22.0	26.5	28.8	32.2	33.5	34.6	35.5	36.8	37.1	37.4	38.1	38.1	39.0
14.6	18.0	23.2	27.7	30.2	33.6	35.0	36.0	36.9	38.3	38.7	39.0	39.6	39.7	40.6
16.1	19.6	25.1	30.1	32.6	36.1	37.6	38.6	39.6	41.1	41.5	41.8	42.4	42.5	43.4
17.8	21.4	27.4	32.6	35.3	38.8	40.3	41.4	42.4	43.8	44.2	44.5	45.2	45.2	46.2
20.2	24.3	31.4	37.3	40.2	44.4	46.0	47.2	48.4	49.8	50.3	50.5	51.2	51.3	52.2
20.9	25.2	32.5	38.9	42.2	46.4	48.1	49.3	50.5	52.0	52.4	52.7	53.3	53.4	54.3
22.2	27.0	35.6	42.2	45.6	50.3	52.0	53.2	54.5	55.9	56.4	56.7	57.4	57.5	58.4
24.0	30.0	39.9	47.5	51.2	56.3	58.3	59.7	61.1	62.7	63.2	63.4	64.2	64.2	65.2
24.7	31.7	42.2	51.0	55.3	60.9	63.2	64.7	66.1	67.7	68.2	68.5	69.3	69.4	70.4
25.0	32.5	44.8	53.0	57.6	63.3	65.8	67.4	68.8	70.5	71.0	71.3	72.0	72.1	73.1
25.3	33.2	46.5	55.2	60.4	67.0	69.7	71.3	72.9	74.8	75.3	75.6	76.3	76.4	77.4
25.4	33.8	47.1	56.3	62.1	69.3	72.2	74.0	75.8	77.8	78.3	78.6	79.3	79.6	80.6
25.4	33.8	47.6	57.4	63.3	71.5	74.7	76.6	78.9	81.0	81.5	81.9	82.7	82.8	83.8
25.4	33.9	48.1	58.5	65.3	74.4	78.3	80.3	83.0	85.4	85.9	86.2	87.1	87.2	88.2
25.4	33.9	48.2	58.6	65.9	76.0	80.1	82.1	85.2	87.5	88.0	88.7	89.6	89.7	90.8
25.4	33.9	48.2	58.6	66.2	76.8	81.1	83.2	86.7	89.3	89.8	90.5	91.7	91.8	93.0
25.4	33.9	48.2	58.6	66.2	77.0	81.6	83.9	87.7	90.5	91.1	91.9	93.4	93.5	95.8
25.4	33.9	48.2	58.6	66.2	77.1	81.7	84.0	87.8	90.5	91.5	92.3	94.3	94.5	98.4
25.4	33.9	48.2	58.6	66.2	77.1	81.7	84.0	87.8	90.5	91.5	92.3	94.3	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 1395

SKY COVER SUMMARY

Due to the reporting of total cloud amount in GWC tapes for airways hourly observations Jan 71 and later; clear, scattered, broken, overcast, partial and obscured are converted to 0, 3, 9, 10, 9 and 10 tenths. The sky cover summary for this station is limited to the period of record through Dec 70.

PART D SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 53-70 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	9.5	2.5	2.7	2.9	2.7	1.9	2.6	2.6	4.9	4.9	62.9	7.8	11738
FEB		11.2	3.2	4.2	3.6	2.9	2.3	3.3	3.3	5.7	5.8	54.7	7.3	10672
MAR		14.1	4.0	3.6	3.6	3.7	2.5	3.6	4.3	7.7	6.8	46.3	6.9	11705
APR		12.0	4.8	4.3	3.9	4.2	3.2	4.3	5.2	8.2	8.2	41.7	6.8	11367
MAY		9.6	5.2	4.5	4.8	4.9	3.8	4.8	6.4	11.1	10.4	34.6	6.7	11699
JUN		8.7	5.6	4.8	5.2	5.2	4.2	4.4	6.4	10.2	10.8	34.4	6.7	11356
JUL		10.9	5.3	4.7	5.2	5.5	4.2	4.9	6.7	10.6	10.8	31.3	6.5	12607
AUG		10.9	4.7	4.3	5.4	5.3	4.2	4.9	6.7	10.6	10.7	32.4	6.5	12849
SEP		10.9	5.1	4.9	5.1	4.7	3.8	4.3	5.7	8.3	8.6	38.8	6.1	11951
OCT		14.0	4.0	4.4	4.2	3.7	2.7	3.2	4.3	6.9	7.3	45.3	6.8	12040
NOV		7.0	1.9	2.5	2.3	2.0	1.9	2.3	3.0	5.2	5.0	67.0	8.2	11936
DEC		7.4	2.2	2.3	2.1	2.1	1.4	1.7	2.6	4.0	4.2	69.9	8.3	11981
TOTALS		11.0	4.0	3.9	4.0	3.9	3.0	3.7	4.8	7.8	7.8	46.1	7.1	141301

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 54-70 JAN
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	14.8	2.2	2.9	3.5	2.4	1.9	2.9	2.2	4.4	2.7	60.0	7.3	1395
	03-05	15.1	1.9	3.0	2.6	2.1	2.1	1.7	2.5	3.3	2.5	65.1	7.4	1437
	06-08	10.0	2.5	2.0	3.1	2.7	1.4	2.6	2.2	4.9	4.1	64.5	7.9	1325
	09-11	4.2	2.2	2.5	2.0	3.0	1.5	2.8	2.5	5.5	8.2	65.6	8.4	1330
	12-14	4.3	2.7	2.1	2.5	2.9	2.0	2.5	2.6	6.6	6.4	65.5	8.3	1385
	15-17	5.2	2.9	2.9	2.8	2.6	2.4	2.4	3.5	5.8	6.4	62.8	8.1	1326
	18-20	8.3	3.4	3.2	3.4	2.5	2.7	3.1	2.4	4.9	5.2	61.1	7.7	1395
	21-23	14.0	1.9	3.2	2.9	3.2	1.3	3.1	2.9	3.5	3.6	60.4	7.4	1393
TOTALS		9.5	2.5	2.7	2.9	2.7	1.9	2.6	2.6	4.9	4.9	62.9	7.8	11738

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 54-70 FEB
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	17.3	3.2	4.6	3.5	2.4	2.1	2.8	2.7	3.7	3.2	54.5	6.8	1272
	03-05	17.1	2.5	4.2	2.8	2.8	1.7	3.3	2.2	3.0	2.5	57.8	7.0	1309
	06-08	9.8	2.6	3.6	3.7	2.7	2.3	3.6	2.2	5.5	4.7	59.3	7.6	1387
	09-11	6.1	3.4	2.3	2.7	2.4	2.0	1.8	4.3	7.1	8.7	59.1	8.0	1389
	12-14	6.2	2.9	3.2	3.4	3.0	2.7	3.8	4.7	7.9	8.6	53.6	7.8	1388
	15-17	7.1	3.2	4.3	3.8	3.2	2.4	3.0	4.0	7.0	9.1	52.9	7.6	1385
	18-20	9.1	3.5	5.6	4.6	3.3	2.6	3.8	4.1	6.3	6.4	50.9	7.2	1274
	21-23	16.6	4.1	5.6	4.1	3.4	2.6	4.2	1.8	4.7	3.2	49.8	6.6	1268
	TOTALS	11.2	3.2	4.2	3.6	2.9	2.3	3.3	3.3	5.7	5.8	54.7	7.3	10672

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 54-70 MAR
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	24.6	3.1	3.2	3.0	2.9	1.9	4.1	3.1	5.2	3.0	44.0	6.0	1395
	03-05	24.4	2.9	3.5	2.6	3.5	2.0	3.5	2.9	4.2	2.9	47.7	6.2	1437
	06-08	11.9	4.4	3.9	3.0	3.7	1.6	1.4	3.9	6.2	6.2	51.8	7.1	1520
	09-11	8.7	3.9	3.5	3.1	3.4	2.3	2.7	3.5	7.6	8.2	53.1	7.3	1521
	12-14	5.9	3.4	2.0	3.4	4.3	3.1	3.7	5.8	11.3	11.5	45.5	7.6	1520
	15-17	6.3	4.9	2.0	2.6	4.1	3.2	4.7	6.0	11.5	10.4	44.3	7.5	1519
	18-20	9.0	5.4	3.9	4.5	3.9	3.6	4.5	4.6	9.7	8.4	42.6	7.0	1398
	21-23	21.9	4.3	4.7	4.3	4.0	2.3	3.9	4.2	5.5	3.4	41.2	6.0	1395
	TOTALS	14.1	4.0	3.6	3.6	3.7	2.3	3.6	4.3	7.7	6.8	46.3	6.9	11705

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 54-70 APR
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	26.5	4.6	6.7	3.0	4.2	2.8	4.6	4.1	5.1	3.6	34.8	5.4	1349
	03-05	22.2	5.9	4.5	3.1	3.9	1.5	3.3	3.9	5.7	4.6	41.5	6.0	1394
	06-08	10.1	6.4	3.8	4.8	3.2	2.6	2.6	3.6	7.8	7.4	47.8	7.0	1482
	09-11	7.6	4.2	3.3	3.9	3.6	3.3	4.5	3.8	9.1	9.3	47.4	7.4	1481
	12-14	4.3	3.1	2.7	2.8	4.5	3.6	4.5	7.2	12.1	13.2	42.0	7.7	1481
	15-17	4.2	3.3	2.0	2.6	3.9	4.3	6.5	7.0	10.7	11.7	43.7	7.7	1480
	18-20	4.4	5.3	4.4	5.8	4.4	4.3	4.1	6.6	9.0	10.7	41.1	7.2	1350
	21-23	16.4	5.6	7.3	5.4	5.6	3.5	4.6	5.6	6.3	4.7	35.0	5.9	1350
	TOTALS	12.0	4.8	4.3	3.9	4.2	3.2	4.3	5.2	8.2	8.2	41.7	6.8	11367

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 54-70 MAY
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	28.2	4.3	6.5	4.8	4.4	2.9	4.1	5.0	5.7	3.5	30.4	5.1	1394
	03-05	16.5	7.7	5.6	4.9	5.6	2.6	3.7	3.8	7.4	6.5	35.5	5.9	1436
	06-08	9.0	7.9	3.6	4.2	3.6	2.8	3.2	5.9	9.3	10.7	39.9	6.9	1519
	09-11	5.8	4.7	3.5	4.5	4.5	3.6	3.7	6.5	12.9	12.3	38.0	7.2	1521
	12-14	2.2	2.8	3.0	4.5	3.9	4.6	5.3	7.8	15.8	15.3	34.8	7.6	1521
	15-17	1.4	1.5	2.9	4.6	5.5	4.8	6.9	8.0	14.5	16.1	33.7	7.6	1518
	18-20	2.0	3.9	5.3	5.0	6.0	4.6	6.1	7.3	14.1	13.2	32.5	7.2	1395
	21-23	11.3	8.7	5.7	6.0	5.8	4.2	5.2	7.0	8.7	5.3	32.1	6.0	1395
	TOTALS	9.0	5.2	4.5	4.8	4.9	3.8	4.8	6.4	11.1	10.4	34.6	6.7	11699

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 54-70 JUN
STATION STATION NAME PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	23.6	6.8	5.7	6.5	4.1	2.7	4.7	4.5	6.6	4.4	30.4	5.2	1349
	03-05	12.4	8.1	6.7	5.8	6.0	3.8	3.9	5.4	6.8	7.8	33.2	6.0	1393
	06-08	10.7	7.6	4.5	4.7	6.0	2.9	3.9	4.9	7.6	10.5	36.7	6.5	1478
	09-11	5.5	5.8	4.2	5.3	5.0	4.8	3.5	5.6	10.2	11.9	38.1	7.0	1478
	12-14	2.8	2.0	2.7	3.9	4.5	5.9	4.9	7.7	14.1	15.1	36.4	7.6	1479
	15-17	2.7	1.6	3.0	3.7	5.5	5.1	5.1	8.9	14.8	15.6	33.9	7.6	1479
	18-20	4.3	5.3	5.2	3.7	5.0	5.0	4.1	8.1	12.1	13.9	33.3	7.1	1350
	21-23	7.8	7.3	6.0	8.1	5.6	3.7	4.9	6.2	9.6	7.3	33.5	6.4	1350
TOTALS		8.7	5.6	4.8	5.2	5.2	4.2	4.4	6.4	10.2	10.8	34.4	6.7	11356

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 53-70 JUL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	25.1	6.5	7.1	6.2	4.5	2.9	3.9	4.8	6.6	5.1	27.2	5.0	1527
	03-05	15.0	7.4	5.9	5.7	3.7	4.4	3.7	5.4	7.2	7.2	31.9	5.8	1534
	06-08	12.8	6.4	4.8	5.0	3.6	2.9	2.7	5.6	9.4	10.2	36.7	6.5	1614
	09-11	8.9	4.2	2.9	4.0	5.0	4.0	4.6	5.9	13.3	14.5	32.7	7.0	1616
	12-14	4.0	2.8	3.2	3.2	5.3	6.4	5.3	8.2	13.2	15.0	33.6	7.4	1617
	15-17	3.7	4.4	2.0	3.8	6.0	4.7	6.5	8.3	14.1	14.2	32.4	7.3	1615
	18-20	6.1	4.3	3.7	5.6	7.2	4.7	6.3	8.0	11.8	13.4	28.7	6.8	1532
	21-23	10.8	6.5	8.0	7.5	6.9	3.7	5.9	7.4	9.2	6.7	27.3	5.9	1532
	TOTALS	10.9	5.8	4.7	5.2	5.5	4.2	4.9	6.7	10.6	10.8	31.3	6.8	12807

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 53-70 AUG
STATION STATION NAME PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

MONTH	HOURS EST	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	25.8	6.4	5.9	6.0	4.7	3.2	3.9	3.9	6.2	4.0	30.0	5.1	1572
	03-05	19.5	5.1	5.1	6.4	4.8	4.2	4.3	4.5	6.6	5.6	33.9	5.7	1594
	06-08	8.0	4.9	4.3	5.2	4.5	3.5	3.7	5.6	9.5	11.9	38.9	7.0	1635
	09-11	6.9	4.9	3.2	5.1	4.3	5.3	5.6	6.4	11.1	12.4	34.9	7.0	1637
	12-14	3.2	2.8	1.8	3.7	5.3	4.4	5.9	9.2	14.3	17.0	32.4	7.5	1635
	15-17	3.2	2.3	2.9	4.2	6.1	4.5	6.1	8.2	15.7	16.2	30.7	7.4	1634
	18-20	6.0	3.7	3.9	5.7	6.4	4.9	4.3	9.7	12.7	13.4	29.4	6.9	1572
	21-23	14.6	7.4	7.5	6.9	6.2	3.8	5.3	5.9	8.3	5.2	29.0	5.6	1570
TOTALS		10.9	4.7	4.3	5.4	5.3	4.2	4.9	6.7	10.6	10.7	32.4	6.5	12849

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 53-70 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9			
SEP	00-02	31.9	4.8	5.2	4.9	3.7	2.3	3.5	5.0	4.6	3.6	30.3	4.9	1418
	03-05	27.6	4.7	4.5	5.7	4.4	3.5	3.5	3.8	4.0	4.2	34.1	5.2	1465
	06-08	11.5	5.2	4.0	4.7	4.8	3.0	4.4	4.4	9.1	10.8	38.1	6.7	1558
	09-11	10.5	6.3	4.2	3.7	3.7	3.4	4.2	5.4	9.7	10.8	38.3	6.8	1560
	12-14	8.7	3.7	3.6	3.8	4.9	5.8	4.5	7.6	12.3	12.6	32.9	6.9	1559
	15-17	8.8	3.9	4.0	4.7	5.5	4.6	5.3	6.6	10.8	13.5	32.3	6.8	1559
	18-20	9.5	7.7	6.3	6.9	4.9	4.8	5.3	7.5	9.0	9.2	29.2	6.1	1416
	21-23	26.3	4.8	7.1	6.0	5.6	3.3	4.0	5.2	6.6	4.4	26.8	5.0	1416
TOTALS		18.9	5.1	4.9	5.1	4.7	3.8	4.3	5.7	8.3	8.6	32.8	6.1	11931

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 53-70 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF TOTAL SKY COVER	NO. OF OBS
		0	1	2	3	4	5	6	7	8	9		
OCT	00-02	23.2	4.6	5.1	3.8	4.2	2.4	3.7	4.3	5.5	3.3	40.0	5.8	1393
	03-05	19.4	3.6	5.6	4.0	3.6	2.3	2.6	4.0	5.7	5.4	43.7	6.3	1463
	06-08	8.1	3.4	3.4	3.1	3.3	2.1	2.8	3.7	6.8	8.3	55.1	7.7	1399
	09-11	8.4	2.6	1.9	3.1	2.5	2.4	2.9	4.0	6.9	9.2	55.9	7.8	1398
	12-14	8.4	3.3	2.9	3.5	3.6	3.8	3.5	4.5	9.3	10.5	46.7	7.4	1399
	15-17	9.6	3.9	3.1	4.0	3.9	2.7	3.3	4.3	10.2	11.2	43.7	7.2	1395
	18-20	12.7	4.9	7.2	6.9	4.7	3.9	3.3	5.4	6.2	5.9	39.1	6.3	1397
	21-23	22.4	5.8	5.7	4.9	3.9	2.3	3.4	3.9	4.7	4.5	38.3	5.7	1396
	TOTALS	14.0	4.0	4.4	4.2	3.7	2.7	3.2	4.3	6.9	7.3	45.3	6.8	12040

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 53-70 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	0	1	2	3	4	5	6	7	8	9	MEAN SKY COVER (TENTHS)	MEAN SKY COVER (OKTAS)	DATA SAMPLE
NOV	00-02	11.3	1.8	2.9	2.4	2.1	1.1	2.2	2.1	4.4	2.2	67.2	7.9	1349
	03-05	9.7	1.8	2.2	2.4	1.5	1.6	2.5	3.0	3.3	2.8	69.1	8.1	1406
	06-08	5.4	1.9	2.7	1.8	2.0	2.5	1.5	3.2	4.5	4.5	69.8	8.4	1519
	09-11	3.7	2.0	1.1	2.2	1.7	1.6	1.4	2.6	6.6	8.0	69.1	8.7	1521
	12-14	4.1	1.6	1.4	1.2	2.2	1.7	2.4	4.0	6.7	8.2	66.7	8.6	1521
	15-17	3.2	1.8	1.8	1.8	2.4	3.2	2.2	3.4	7.4	8.0	64.8	8.5	1521
	18-20	7.1	2.1	3.9	3.8	2.4	2.4	2.9	2.7	4.7	4.0	63.9	7.9	1350
	21-23	11.4	1.9	3.9	2.5	1.7	1.3	3.3	2.8	3.8	2.3	65.2	7.7	1349
	TOTALS	7.0	1.9	2.5	2.3	2.0	1.9	2.3	3.0	5.2	5.0	67.0	8.2	11536

USAFETAC FORM [illegible] PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34056 SEMBACH AB GERMANY 53-7[illegible] DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TOTAL SKY COVER	NO. OF OBS
		0	1	2	3	4	5	6	7	8	9		
DEC	00-02	10.5	2.4	3.2	2.4	1.9	1.4	1.9	2.6	3.1	3.0	67.6	7.9	1394
	03-05	10.0	1.7	2.7	2.1	2.5	1.5	2.1	2.3	3.3	2.3	69.4	8.0	1459
	06-08	7.4	2.0	2.3	2.2	1.7	1.3	1.7	2.3	3.3	3.7	72.2	8.3	1587
	09-11	4.3	2.5	1.6	1.6	1.6	.9	1.5	2.6	5.2	5.8	72.3	8.7	1586
	12-14	4.5	2.8	1.6	2.2	1.2	1.9	1.3	2.8	4.5	6.2	71.0	8.6	1585
	15-17	5.0	1.8	2.5	2.0	1.6	.8	1.1	3.2	5.9	6.4	69.5	8.5	1581
	18-20	7.5	2.4	2.7	2.4	2.9	2.1	1.9	2.5	3.5	2.5	69.7	8.1	1394
	21-23	10.0	1.8	2.1	2.2	3.4	1.5	1.9	2.2	3.4	3.9	67.7	8.0	1395
TOTALS		7.4	2.2	2.3	2.1	2.1	1.4	1.7	2.6	4.0	4.2	69.9	8.3	11981

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

   a. Daily maximum temperatures
   b. Daily minimum temperatures
   c. Daily mean temperatures

   NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: The following symbols are used in the extreme data blocks:

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

E

Continued on Reverse

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

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

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

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

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

      NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

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

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

74-29966

DATA PROCESSI[illegible]
USAF ETAC
AIR WEATHER SERVICE/MAC
34056 SEMBACH AB GERMANY

DAILY TEMPERATURES

53-72

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS

MAXIMUM

	AN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
95							,7						,1
90						,2	2,6	,8	,2				,3
85					,4	1,7	8,5	4,4	,9				1,4
80				,7	1,1	7,6	18,1	13,0	3,7				3,8
75				1,9	5,5	23,2	34,9	25,7	10,9				9,6
70			,4	6,7	22,5	43,9	54,6	47,7	30,5	2,7	,2		17,7
65		,2	2,5	13,6	37,9	66,2	77,7	75,3	53,9	11,8	,4		28,8
60		1,2	8,7	28,5	59,2	85,9	95,5	95,3	77,7	33,4	2,0	,3	41,4
55	,4	4,4	18,4	49,1	82,4	96,7	99,8	100,0	94,4	57,9	8,9	1,4	51,9
50	3,4	11,8	36,7	71,1	96,6	99,4	100,0		99,5	81,8	23,6	7,6	61,7
45	15,[illegible]	27,3	58,6	88,1	99,5	100,0			100,0	94,9	49,3	22,1	71,9
40	30,7	47,8	77,2	99,1	100,0					99,3	72,0	40,4	80,9
35	54,3	68,3	88,8	100,0						100,0	90,4	65,2	89,1
30	75,6	84,2	98,0								98,9	84,5	95,2
25	88,4	94,2	99,5								100,0	94,0	98,1
20	96,4	97,0	100,0									98,2	99,3
15	99,3	99,2										99,6	99,8
10	100,0	99,8										100,0	100,0
0		100,0											100,0
MEAN	35,1	38,7	46,4	54,9	62,9	68,3	71,8	70,0	63,4	50,0	44,2	37,6	54,2
S D	8,348	9,498	9,174	8,725	8,169	7,898	8,204	7,478	7,406	7,108	7,405	8,296	15,335
TOTAL OBS	594	502	583	556	551	538	579	561	570	584	550	569	6677

USAF ETAC FORM JUL 64 0-21 5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING [illegible]
USAF ETAC
AIR WEATHER SERVICE/ MAC
34056 SEMBACH AB GERMANY 53-72

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM DAILY OBSERVATIONS

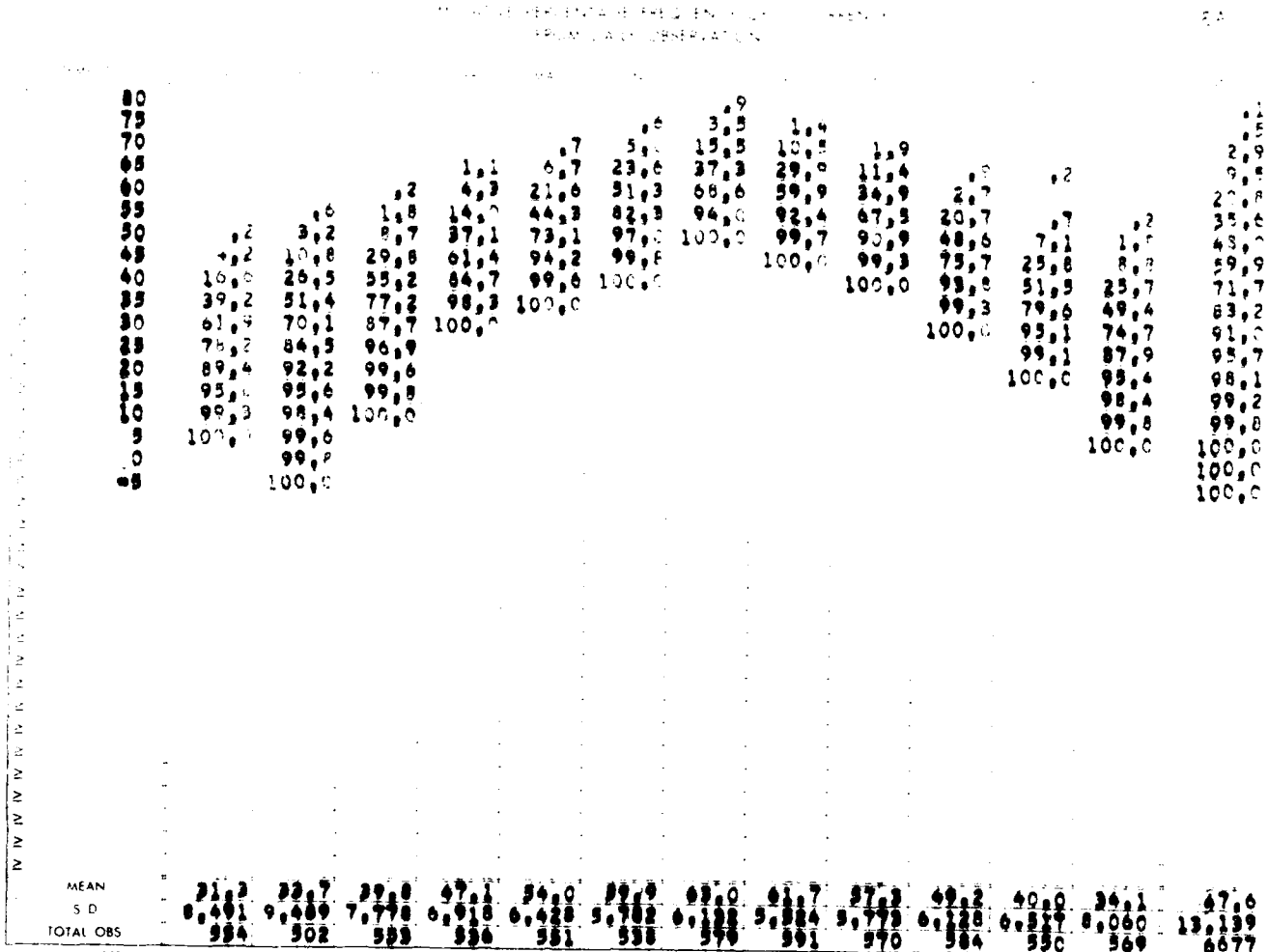
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
65							1,9	,5					,2
60					,5	4,6	15,9	10,3	1,9		,2		2,9
55				,4	5,8	27,5	43,5	38,6	17,7	2,2	,4		11,7
50		,7	,4	6,2	24,9	62,5	82,2	77,(	48,6	17,3	1,8	,7	27,4
45	,9	2,6	4,2	22,6	53,4	89,6	96,0	95,1	74,0	39,(	8,2	2,1	41,4
40	6,9	12,5	17,7	44,(	79,3	98,7	99,8	99,7	92,1	61,3	27,1	10,9	54,9
35	21,3	25,9	44,5	72,9	94,(	100,(	100,0	100,(	99,6	84,2	51,8	30,2	69,5
30	3[illegible],5	37,5	55,9	81,3	97,8				99,8	91,4	62,7	39,2	75,2
25	46,6	52,2	69,8	92,(	99,3				100,0	97,6	83,1	59,4	83,7
20	65,9	69,9	84,6	99,6	100,(					99,8	95,8	77,7	91,3
15	79,2	82,9	94,2	100,0						100,(	98,9	86,8	95,3
10	89,5	88,4	98,9								100,(	95,1	97,8
5	94,8	93,4	99,5									98,1	98,9
0	98,6	96,8	100,0									100,(	99,6
-5	99,5	99,2											99,9
-10	100,(	99,6											100,0
		100,(											100,(
MEAN	27,0	28,2	32,7	38,8	49,0	61,0	65,9	63,9	48,6	40,0	33,3	30,1	40,5
S.D.	9,269	10,129	7,686	6,709	6,206	5,062	5,284	5,017	5,898	6,985	6,971	9,405	11,785
TOTAL OBS.	534	502	553	536	581	558	570	591	570	564	550	569	6677

USAF ETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSI
USAF ETAC
AIR WEATHER SERVICE/ MAC
34050 SEYBAC

53-72

DAILY TEMPERATURES



USAF ETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

FROM ALL OBSERVATIONS

34050 SEMBACH AB GERMANY 53-72
STATION NAME

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH		JAN		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		ANN MONTHS
53								*	84	91	87	73	57	64		
54		51		46	62	62	81	86	79	87	81	70	59	49		87
55		50		48	69	80	79	84	90	81	77	65	66	52		90
56		50		58	64	66	64	74	85	82	74	77	80	55		85
57		52		60	64	70	75	90	97	80	79	67	59	50		97
58		51		63	62	64	79	81	80	85	82	67	59	52		85
59		55		59	65	77	78	83	95	88	87	70	57	51		95
60		55		67	63	69	76	85	78	83	74	66	58	52		85
61		50		64	69	76	74	84	86	84	90	70	59	57		90
62		53		50	54	75	74	83	87	92	87	74	55	51		92
63		39		40	57	66	77	78	85	87	79	65	62	45		87
64		41		53	53	72	78	88	99	91	82	67	56	52		99
65		47		37	62	64	76	82	85	82	76	65	58	53		85
66		53		57	54	67	78	85	79	90	81	77	56	51		90
67		53		54	56	67	79	88	87	84	78	73	57	50		88
68		47		49	73	83	76	79	88	81##	74##	69##	70##	47		88
69	**	49##		46##	57##	74##	86##	79##	90##	83##	76##	66##	59##	36	**	90
70	**	46##		49##	52##	73##	74##	83##	81##	86##	70##	68##	61##	50	**	86
71	*	45#		45#	52#	76#	81#	76#	88#	90#	76#	72#	59#	54	*	90
72	*	49#		50#	69#	61#	73#	81#	89#	89#	74#	69#	61#	52	*	89
MEAN		49.3		51.2	60.7	70.0	77.7	82.0	86.1	85.8	79.5	69.2	58.8	51.2		88.8
S D		4,515		8,081	6,199	6,856	3,541	4,134	5,201	3,791	5,000	4,049	4,438	5,844		3,583
TOTAL OBS.		554		508	558	536	551	538	579	591	579	584	580	569		6677

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

USAF ETAC FORM JUL 64 0-88-5 (OLI)

DATA PROCESSING BRANCH
USAF/ETAC/OL A
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

34050 SEMBACH AB GERMANY 53-72

WHOLE DEGREES FAHRENHEIT

YEAR	MONTH JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
53						*	45	45	37	32	26	25	
54	3	0	24	29	34	43	41	44	36	30	23	24	0
55	13	5	9	26	31	41	47	43	32	25	18	21	5
56	-1	-6	22	23	33	38	49	40	40	30	15	18	-6
57	9	24	25	29	29	40	47	40	36	29	24	19	9
58	15	17	9	23	36	43	45	45	45	32	30	17	9
59	15	20	28	29	37	41	50	43	39	32	27	24	15
60	-2	13	26	29	29	42	42	47	38	33	30	18	-2
61	15	30	28	38	34	44	41	45	41	30	22	8	8
62	13	13	16	30	28	39	48	42	39	28	24	5	5
63	3	3	15	27	31	45	50	41	39	27	30	6	3
64	7	18	16	30	37	41	41	39	36	27	29	12	7
65	22	9	12	29	32	48	44	42	38	27	16	25	9
66	3	26	24	29	36	43	48	38	37	27	21	23	3
67	11	19	26	25	28	36	44	44	40	30	27	16	11
68	-3	17	23	26	32	42	46	42##	41##	30##	26##	13	-3
69	## 21##	8##	25##	27##	35##	42##	44##	44##	41##	33##	26##	15	## 8
70	## 19##	8##	15##	26##	35##	40##	48##	44##	37##	34##	28##	13	## 8
71	* 8#	21#	8#	30#	41#	48#	39#	44#	39#	28#	30#	23	* 8
72	* 8#	14#	26#	26#	37#	39#	46#	42#	38#	21#	24#	15	* 8
MEAN	9.4	13.6	19.8	27.9	33.4	41.4	44.6	42.0	37.8	29.2	24.0	17.0	5.8
S D	7.374	9.243	6.922	3.891	3.609	2.613	3.006	2.268	3.037	3.127	4.372	6.807	3.243
TOTAL OBS	984	902	988	986	991	990	991	974	984	980	909		6677

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

USAF ETAC FORM JUL 64 0-88-5 (OLI)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 53-72 ALL

WET BULB TEMPERATURE DEPRESSION F

98/ 97															.0				1	1			
96/ 95															.0			.0	8	8			
94/ 93															.0	.0	.0	.0	13	13			
92/ 91								.0				.0	.0	.0	.0	.0	.0		19	19			
90/ 89									.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	54	54			
88/ 87								.0	.0	.0	.0	.0	.0	.0	.0	.0			84	84			
86/ 85						.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				189	189			
84/ 83				.0		.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0			300	300			
82/ 81					.0	.0	.0	.0	.1	.1	.1	.0	.0	.0					456	456			
80/ 79					.0	.0	.0	.1	.1	.1	.1	.0	.0						583	583	4		
78/ 77				.0	.0	.0	.1	.1	.1	.1	.1	.0	.0						844	844	2	2	
76/ 75			.0	.0	.0	.1	.2	.2	.2	.1	.1	.0	.0						1245	1246	19	2	
74/ 73				.0	.0	.1	.2	.3	.2	.1	.0	.0	.0	.0					1531	1532	40	6	
72/ 71		.0	.0	.0	.1	.3	.3	.3	.2	.1	.0	.0	.0						1932	1932	114	23	
70/ 69			.0	.1	.3	.4	.4	.3	.2	.1	.0	.0							2623	2623	368	35	
68/ 67		.0	.0	.2	.4	.5	.5	.3	.2	.1	.0	.0	.0						3224	3224	799	112	
66/ 65		.0	.1	.5	.5	.6	.5	.3	.1	.0	.0	.0							3893	3895	1656	287	
64/ 63		.0	.4	.7	.7	.6	.5	.2	.1	.0	.0								4858	4859	2869	809	
62/ 61		.1	.8	.8	.8	.7	.4	.2	.1	.0									5746	5747	4356	1942	
60/ 59		.2	1.3	1.1	1.0	.6	.3	.2	.0	.0	.0								6936	6936	6054	3316	
58/ 57		.3	1.6	1.2	.8	.6	.3	.1	.0	.0	.0								7202	7208	7561	5069	
56/ 55		.4	2.0	1.2	.8	.5	.3	.1	.0										7875	7887	8839	6509	
54/ 53		.4	2.0	1.3	.7	.4	.2	.0	.0										7470	7492	9242	7953	
52/ 51		.5	2.2	1.3	.7	.3	.1	.0	.0										7562	7591	8848	8839	
50/ 49		.4	2.2	1.3	.7	.2	.1	.0											7315	7321	8739	9039	
48/ 47		.5	2.2	1.3	.5	.2	.1	.0											6963	6974	8368	8897	
46/ 45		.6	2.5	1.0	.5	.1	.0	.0	.0										7137	7156	8427	8842	
44/ 43		.6	2.5	1.0	.3	.1	.0	.0											6802	6827	8132	8636	
42/ 41		.7	2.4	1.0	.3	.1	.0												6544	6562	7879	8182	
40/ 39		.8	2.4	1.0	.2	.1	.0												6607	6654	7933	8382	
38/ 37		.7	2.5	.8	.2	.0													6119	6172	7108	7782	
36/ 35		.9	2.6	.6	.1	.0													6257	6301	7030	7912	
34/ 33	1.1	2.5	.6	.1	.0														6307	6357	6714	7697	
32/ 31	1.0	2.3	.4	.1	.0														5514	5568	6577	7387	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

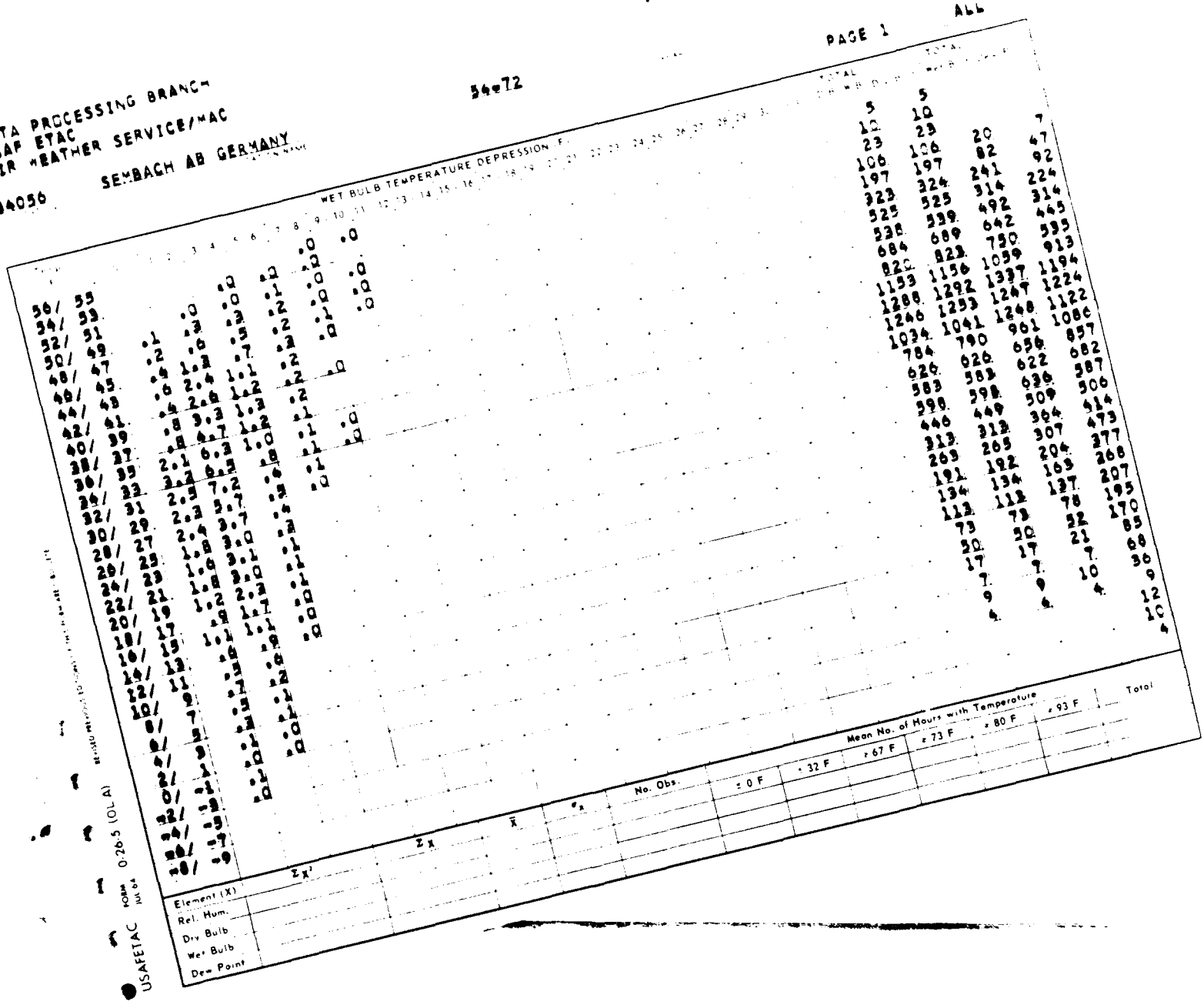
PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 ALL

°F	WET BULB TEMPERATURE DEPRESSION °F 1	2	3	4	5	6	TOTAL OBS			
30/ 29	.7	1.9	.4	.0			4312	4324	5149	6041
28/ 27	.6	1.2	.2	.0	.0		3068	3078	4040	5097
26/ 25	.5	1.0	.1	.0			2375	2377	2826	3913
24/ 23	.4	.7	.1	.0			1688	1688	2210	3146
22/ 21	.3	.6	.0	.0			1377	1377	1636	2426
20/ 19	.3	.4	.0				1017	1033	1211	2042
18/ 17	.2	.3	.0				701	715	816	1615
16/ 15	.2	.2	.0				586	601	661	1279
14/ 13	.1	.2	.0				436	445	493	876
12/ 11	.1	.1	.0				340	342	383	615
10/ 9	.2	.1	.0				306	309	353	542
8/ 7	.1	.0					159	159	185	513
6/ 5	.1	.0					108	108	115	425
4/ 3	.0	.0					62	62	69	230
2/ 1	.0	.0					33	33	36	141
0/ -1	.0	.0					23	23	27	92
-2/ -3	.0	.0					16	16	15	65
-4/ -5	.0	.0					11	11	9	44
-6/ -7	.0						6	6	9	33
-8/ -9										16
-10/-11										15
-12/-13										7
-14/-15										2
-16/-17										1
TOTAL	18.2	41.1	18.3	10.1	6.6	4.6	147303		146836	
	2.8	1.7	.9	.4	.2	.1	.0	.0	.0	
							146837		146837	

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	949922031	11572737	78.8	18.941	146825							
Dry Bulb	366084408	7018155	47.6	14.202	147303	3.4	1349.2	761.0	308.7	80.1	1.3	8760
Wet Bulb	307666445	6489422	44.2	12.022	146837	3.7	1036.2	77.0	3.6	.1		8760
Dew Point	264811621	5977491	40.7	12.095	146836	16.8	2227.0	10.2	.6			8760

USAFETAC FORM 0-26-5 (OL-A) Jul 64



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

34056 SEMBACH AB GERMANY

54-72

PSYCHROMETRIC SUMMARY

JA
ALL

PAGE 1

WET BULB TEMPERATURE DEPRESSION F

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72

PAGE 2 ALL

WET BULB TEMPERATURE DEPRESSION F

TOTAL	27.1	60.7	10.1	1.6	.2	.0							12206 12163	12163 12163

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	< 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	90435033	1041917	85.7	9.826	12162							
Dry Bulb	12687008	377808	31.0	9.019	12206	.8	397.2					744
Wet Bulb	11031739	361268	29.7	8.608	12163	.9	442.0					744
Dew Point	10006589	328788	27.0	9.591	12163	4.3	513.3					744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 FEB

PAGE 1 ALL

WET BULB TEMPERATURE DEPRESSION (F)

68/ 67						.0			1	1		
66/ 65						.0	.0		3	3		
64/ 63							.0	.0	3	3		
62/ 61				.0	.1	.0	.0		12	12		
60/ 59				.1	.1	.0	.0		21	21		
58/ 57			.0	.1	.2	.0	.0		40	40	3	
56/ 55		.0	.1	.1	.1	.1			42	42	1	
54/ 53		.0	.2	.3	.3	.0			93	93	31	1
52/ 51	.0	.4	.5	.4	.1	.0			164	164	47	6
50/ 49	.0	.3	.9	.4	.1	.0			192	190	119	38
48/ 47	.1	.7	1.3	.6	.1				316	316	173	98
46/ 45	.2	2.3	1.1	.7	.1	.0			475	475	330	121
44/ 43	.3	3.0	1.4	.6	.1				595	595	512	294
42/ 41	.6	3.3	1.5	.5	.1				660	660	634	464
40/ 39	.8	3.5	1.7	.5	.0				729	735	709	678
38/ 37	1.0	3.9	1.6	.5					775	779	766	678
36/ 35	1.5	5.1	1.6	.4	.0				952	959	880	711
34/ 33	1.9	4.9	1.8	.3	.0				975	978	988	895
32/ 31	1.8	4.2	1.6	.3	.0				877	880	1003	969
30/ 29	1.5	4.3	1.4	.2					812	813	879	812
28/ 27	2.0	4.0	1.1	.1	.0				792	792	894	810
26/ 25	1.8	3.4	.7	.1					666	666	751	749
24/ 23	.9	2.5	.3	.0					412	412	622	682
22/ 21	.7	1.4	.3	.0					259	259	359	537
20/ 19	.5	1.1	.1						190	190	245	503
18/ 17	.6	.8	.1						166	166	196	378
16/ 15	.6	.9	.0						174	175	178	334
14/ 13	.6	.6	.0						138	140	178	205
12/ 11	.4	.5	.0						99	99	101	180
10/ 9	.8	.3	.0						124	124	129	166
8/ 7	.4	.2							68	68	81	183
6/ 5	.3	.1							46	46	51	149
4/ 3	.3	.1							44	44	47	96
2/ 1	.2	.0							26	26	29	53

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC

1

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

PSYCHROMETRIC SUMM

34050 SEMBACH AB GERMANY 54-72

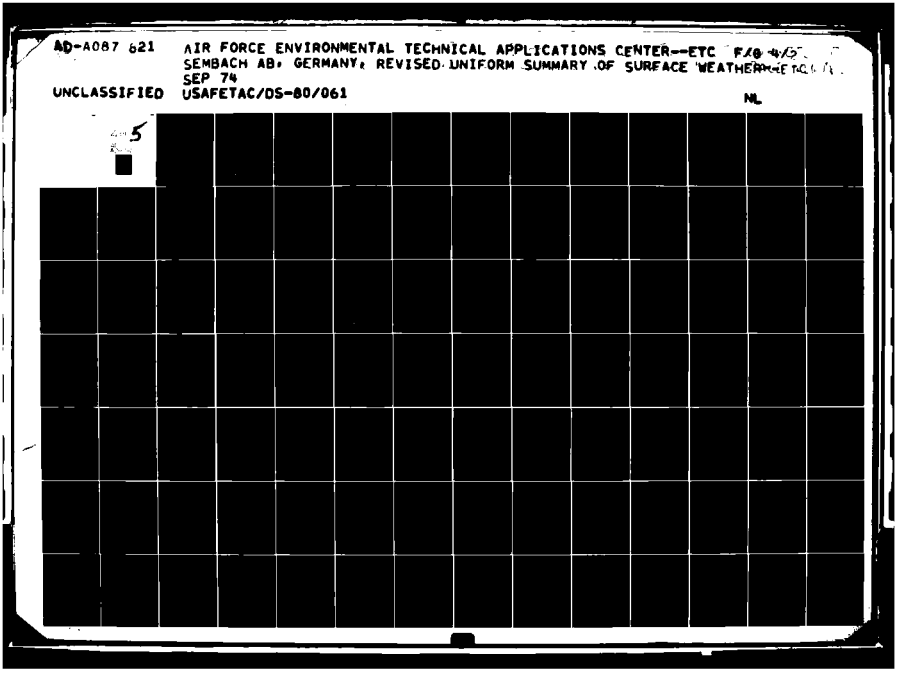
PAGE

0/ -1	.1	.0							14	14	17
-2/ -3	.1	.0							12	12	11
-4/ -5	.0	.1							11	11	9
-6/ -7	.1								6	6	9
-8/ -9											
-10/-11											
-12/-13											
-14/-15											
-16/-17											
TOTAL	20,252,019.6	0.4	1.4	.2	.1	.1			11009		
									10982	10982	

Element	Σx	Σx	$\bar{x}$	σ_x	No. Obs	Mean Number of Hours in Temperature			
						<0°F	>32°F	>73°F	>80°F
Rel. Hum.	74562134	894090	81,412,698		10982				
Dry Bulb	13261683	904885	33,110,300		11009	2.6	321.7	.1	
Wet Bulb	11749,30	343444	31,3 9,583		10982	2.8	354,2		
Dew Point	9726914	905090	27,810,675		10982	11.6	428,2		



AD-A087 621 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SEMBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSE(U)
SEP 74
UNCLASSIFIED USAFETAC/DS-80/061 NL



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 MAR

STATION STATION NAME YEARS MONTH

 ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	Dry Bulb	Wet Bulb Dew P.
74/ 73										.0								1	1		
72/ 71									.0	.0	.0							5	5		
70/ 69							.0	.0	.0	.0								6	6		
68/ 67						.0	.0	.0	.0									14	14		
66/ 65						.1	.0	.1	.0									26	26		
64/ 63					.0	.1	.2	.1	.0									51	51		
62/ 61				.0	.1	.2	.2	.1	.0									77	77		
60/ 59			.0	.1	.3	.2	.2	.0										97	97		
58/ 57			.0	.2	.3	.4	.1	.0										163	163	5	
56/ 55		.0	.2	.3	.6	.4	.1	.0										187	187	28	
54/ 53		.1	.2	.7	.7	.2	.1											245	245	75	1
52/ 51	.0	.2	.4	1.1	.7	.2	.0	.0										424	424	179	19
50/ 49	.0	1.1	1.3	1.4	.6	.3	.0											579	579	319	77
48/ 47	.3	2.3	1.7	1.3	.7	.2												801	801	594	233
46/ 45	.6	3.0	2.0	1.4	.6	.2	.0											947	947	805	421
44/ 43	.6	2.9	2.2	1.2	.6	.2	.0											936	936	926	687
42/ 41	.6	3.2	2.9	1.2	.3	.1												1013	1014	927	760
40/ 39	.8	3.6	3.0	.9	.4	.0												1061	1061	1112	884
38/ 37	.7	3.5	2.4	.7	.2													927	930	1148	1042
36/ 35	.9	3.9	2.2	.6	.1													939	938	1139	1053
34/ 33	1.0	3.5	2.1	.5	.0													876	880	999	1057
32/ 31	.6	3.0	1.6	.2														658	661	878	1083
30/ 29	.7	3.4	1.7	.2														733	737	870	884
28/ 27	.6	2.6	.8	.0														491	494	738	819
26/ 25	.5	2.0	.3															338	340	540	761
24/ 23	.5	1.2	.2	.0														226	226	338	627
22/ 21	.3	.8	.1															149	149	198	521
20/ 19	.2	.4	.0															92	93	142	466
18/ 17	.2	.3	.0															58	61	77	378
16/ 15	.2	.1																34	38	47	210
14/ 13	.1	.0																10	11	16	145
12/ 11	.0	.0																7	7	7	74
10/ 9	.1	.0																9	9	9	54
8/ 7																				2	38

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 56-72 MAR

PAGE 2 ALL

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B W.B. Dry Bulb	TOTAL Wet Bulb Dew P.
6/	5																		9
4/	3																		5
2/	1																		1
0/	-1																		1
TOTAL	9,441	426	312	62	28	10	4	2	0	0								12211	12180
																		12180	12180

Element (X)	$\bar{X}_A$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	73111170	9888884	78.0	15.888	12180							
Dry Bulb	80008407	483178	39.6	9.309	12211		178.8	1.0	.1			744
Wet Bulb	100833708	448238	36.8	7.907	12180		330.8					744
Dew Point	55939758	380978	31.3	8.677	12180	.1	360.8					744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 APR

PAGE 1 ALL

Temp. °F	WET BULB TEMPERATURE DEPRESSION (F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 +31	TOTAL D.B	TOTAL W.B.	Dry Bulb	Wet Bulb Dew P.
84/ 83	.0	1	1		
82/ 81	.0 .0	4	4		
80/ 79	.0 .0 .0 .1	14	14		
78/ 77	.0 .0 .0 .0	17	17		
76/ 75	.0 .1 .0 .1 .0	21	21		
74/ 73	.0 .0 .1 .1 .1 .0 .0 .0	39	39		
72/ 71	.0 .1 .1 .1 .0 .0	39	39		
70/ 69	.1 .2 .2 .1 .0 .0 .0	76	76		
68/ 67	.0 .2 .2 .3 .1 .1 .0 .0 .0	115	115		
66/ 65	.0 .1 .3 .4 .4 .3 .1 .0 .0	152	152	2	
64/ 63	.0 .2 .3 .4 .4 .3 .2	184	184	17	
62/ 61	.0 .2 .3 .5 .5 .2 .1	226	226	82	
60/ 59	.0 .1 .3 .7 .8 .6 .2 .1 .0	344	344	55	1
58/ 57	.0 .3 .7 .8 1.0 .4 .1 .0	421	421	119	7
56/ 55	.0 .2 .9 1.2 1.1 1.1 .3 .1	570	570	190	17
54/ 53	.1 .9 1.6 1.1 1.1 .7 .2	669	669	398	25
52/ 51	.3 2.2 1.9 1.8 1.2 .6 .2 .0	922	922	680	254
50/ 49	.4 2.7 1.9 1.8 1.1 .3 .1	980	981	991	802
48/ 47	.5 3.3 2.3 1.8 1.0 .4 .1	1113	1113	1150	878
46/ 45	.4 3.3 2.0 1.8 .7 .3 .0	1003	1007	1248	907
44/ 43	.5 2.8 2.4 1.2 .7 .1	905	905	1165	990
42/ 41	.4 3.0 2.6 1.3 .4 .0	928	928	1038	898
40/ 39	.7 3.6 2.8 .7 .2	952	953	1080	1048
38/ 37	.8 3.1 1.7 .4 .0	732	718	1102	1069
36/ 35	.6 2.6 .9 .3	511	511	993	1258
34/ 33	.7 1.9 .8 .0	397	398	820	1138
32/ 31	.4 1.3 .3	222	223	428	930
30/ 29	.3 .8 .3	159	159	258	684
28/ 27	.3 .4 .1	77	77	136	383
26/ 25	.0 .1 .0	23	23	59	210
24/ 23	.0 .0	9	9	15	250
22/ 21				2	138
20/ 19					99
18/ 17					32

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) AS 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 56-72 APR

STATION STATION NAME YEARS MONTH

PAGE 2 ALL

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
16/ 15																				7
14/ 13																				1
TOTAL	6.1	32.5	22.9	14.3	9.9	6.8	3.9	2.2	.9	.3	.2	.1	.0					11814		11805
																	11805		11805	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	[illegible]	[illegible]	73.4	17.708	11808							
Dry Bulb	[illegible]	[illegible]	44.9	9.103	11814		29.8	19.9	8.9	.8		720
Wet Bulb	[illegible]	[illegible]	41.8	6.969	11808		55.0					720
Dew Point	[illegible]	[illegible]	37.8	7.448	11808		183.2					720

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 54-72 MAY

STATION STATION NAME YEARS MONTH

 ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb	Dew Point
86/ 85										.0	.0							4	4	
84/ 83								.0		.0	.0							6	6	
82/ 81							.0	.0	.0	.0	.0	.0						10	10	
80/ 79						.0		.0	.1		.1							23	23	
78/ 77							.0	.1	.1	.2	.0							63	63	
76/ 75				.0	.0	.0	.1	.2	.4	.2	.0	.0						127	127	
74/ 73					.0	.1	.3	.4	.3	.1								155	155	
72/ 71					.1	.2	.2	.2	.2	.1	.0							206	206	
70/ 69				.1	.3	.5	.6	.5	.3	.1	.0							291	291	5	
68/ 67		.0	.0	.3	.4	.6	.6	.5	.3	.0								329	329	6	1
66/ 65		.0	.2	.3	.5	.9	.6	.5	.2	.0								397	397	33	
64/ 63		.1	.4	.6	.8	.9	.6	.3	.1	.0								456	456	119	7
62/ 61		.4	.5	1.0	.9	.9	.7	.1	.0									564	564	257	32
60/ 59	.1	.7	.9	1.2	1.4	1.2	.6	.1										768	768	521	98
58/ 57	.2	1.1	1.3	1.4	1.7	.9	.3	.0		.0								840	841	624	266
56/ 55	.3	2.1	2.0	2.0	1.7	.8	.2	.0										1103	1108	856	376
54/ 53	.6	2.5	2.2	1.9	1.3	.6	.1											1148	1161	1062	681
52/ 51	.4	2.7	2.8	2.1	1.0	.3	.1											1129	1142	1273	825
50/ 49	.5	3.6	3.4	1.7	.5	.2	.0											1206	1208	1420	1062
48/ 47	.3	3.3	2.4	1.0	.2	.0												882	884	1332	1185
46/ 45	.5	3.4	1.6	.7	.2	.0												774	774	1406	1375
44/ 43	.4	2.8	1.0	.4	.1													572	573	1081	1343
42/ 41	.6	2.1	.8	.1														442	443	746	1328
40/ 39	.6	1.4	.4	.0														290	291	538	1228
38/ 37	.2	1.1	.1															179	179	334	816
36/ 35	.3	.5	.0															102	102	184	662
34/ 33	.2	.2																50	50	81	391
32/ 31	.1	.2																32	32	42	240
30/ 29	.1	.1																19	19	21	152
28/ 27		.0																2	2	8	69
26/ 25																					18
24/ 23																					19
22/ 21																					3
20/ 19																					1

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94056 SEMBACH AB GERMANY 56-72 MAY

PAGE 2 ALL

Temp F	WET BULB TEMPERATURE DEPRESSION F: 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL D.B.-Dew P.
12/ 11																			
TOTAL	5	428	319	915	611	4	8.2	5.5	3.3	2.0	.7	.2	.0					12169	12206	12169

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature: ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	87222080	870890	72.2	17.666	12169							
Dry Bulb	30460807	680087	55.9	8.995	12206		3.2	74.0	23.7	1.4		744
Wet Bulb	29502310	592956	48.8	8.493	12169		6.3	.7				744
Dew Point	24804970	538262	44.2	8.702	12169		32.0	.1				744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24056 SEMBACH AB GERMANY 54-72 JAN

PAGE 1 ALL

Temp. F	WET BULB TEMPERATURE DEPRESSION F																											TOTAL D.B.	TOTAL Wet Bulb	TOTAL Dew P.	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31				
90/ 89																									.0		.0						4	4		
88/ 87																			.0	.0	.1		.0										12	12		
86/ 85																			.0	.1	.1												23	23		
84/ 83															.0	.1	.1		.1	.1	.0												36	36		
82/ 81												.0	.1	.2	.2	.2	.2	.0															78	78		
80/ 79										.0	.1	.2	.3	.2	.1	.0																	122	122		
78/ 77									.0	.2	.4	.4	.3	.3	.0																		187	187		
76/ 75							.0	.1	.2	.6	.7	.3	.2	.1																			271	272		
74/ 73						.0	.4	.5	.7	.6	.4	.1																					318	318		
72/ 71				.0	.2	.6	.9	1.0	.6	.2	.1																						417	417	2	
70/ 69				.1	.6	.8	1.4	1.0	.5	.2	.0																						534	534	25	
68/ 67			.0	.3	.8	1.3	1.4	.7	.2	.2																							613	613	113	2
66/ 65			.2	1.0	1.0	1.6	1.2	.7	.2	.1	.0																						729	729	304	20
64/ 63	.1	.0	1.3	1.6	1.7	1.2	.6	.2	.0																								865	865	521	82
62/ 61	.2	1.5	1.7	2.0	1.4	1.0	.3	.1																									967	967	829	304
60/ 59	.2	2.4	2.4	2.2	1.2	.7	.2	.1																									1118	1118	1161	531
58/ 57	.3	3.2	2.5	2.1	1.0	.4	.1	.0																									1147	1149	1410	799
56/ 55	.6	3.8	2.5	1.5	.7	.2	.1	.0																									1111	1115	1525	1178
54/ 53	.4	3.4	2.2	1.1	.4	.1	.0																										912	916	1502	1402
52/ 51	.5	3.7	1.9	.6	.2	.0																											803	805	1355	1565
50/ 49	.5	3.5	1.2	.4	.1																												673	676	1113	1478
48/ 47	.4	2.1	.7	.1	.1																												400	401	906	1350
46/ 45	.3	1.2	.3	.2																													231	234	514	1092
44/ 43	.1	.5	.1	.0																													96	97	261	699
42/ 41	.1	.2	.1	.0																													44	44	119	485
40/ 39	.0	.0	.0																														12	12	44	355
38/ 37	.0	.1	.0																														14	14	29	178
36/ 35	.0	.0																															4	4	12	86
34/ 33																																			4	51
32/ 31																																				38
30/ 29																																				26
28/ 27																																				7
26/ 25																																				3

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 56-72 JUN

PAGE 2 ALL

Temp °F	WET BULB TEMPERATURE DEPRESSION (°F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	4.0	20.5	18.5	14.6	11.6	9.5	6.6	4.3	2.2	1.2	.5	.2	.0	.0	.0			11741	11765	11741	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	64966778	848862	72.4	17.391	11732							
Dry Bulb	43309839	706791	60.1	8.495	11765			160.1	66.4	12.9		720
Wet Bulb	35196001	639289	54.4	5.742	11741			8.6				720
Dew Point	30057119	589765	50.2	6.070	11741		6.5	.1				72

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 53-72

PAGE 1

Temp F	WET BULB TEMPERATURE DEPRESSION F																									TOTAL D.B.	TOTAL W.B.	TOTAL Wet Bulb	TOTAL Dew Point
	1	2	3-4	5-6	7-8	9-10	11	12-13	14	15	16-17	18	19	20-21	22	23	24-25	26-27	28-29	30	≥31								
98/ 97															.0											1	1		
96/ 95															.0			.0	.0							8	8		
94/ 93															.0	.0	.0	.0								13	13		
92/ 91													.0	.0	.0	.0	.0									15	15		
90/ 89											.0	.0	.1	.1	.0	.0										39	39		
88/ 87								.0	.0	.0	.1	.1	.1	.0	.1	.0										39	39		
86/ 85								.0	.1	.1	.2	.2	.2	.1	.1											94	94		
84/ 83						.0	.0	.1	.2	.2	.2	.2	.2	.1	.0											143	143		
82/ 81					.0	.0	.1	.2	.3	.2	.3	.2	.2	.1												190	190		
80/ 79					.0	.1	.3	.4	.3	.4	.2	.1	.0													214	214		
78/ 77				.0	.1	.1	.3	.4	.6	.5	.2	.1	.0													296	296		
76/ 75		.0		.0	.1	.3	.7	.7	.8	.4	.2	.0														430	430	7	
74/ 73				.1	.2	.6	.8	.8	.6	.3	.1	.0														442	443	23	1
72/ 71	.0	.0	.1	.3	.3	.9	1.0	.7	.5	.1	.0															493	493	76	12
70/ 69		.1	.3	.9	1.2	1.1	.8	.6	.1																	683	683	218	15
68/ 67	.0	.2	1.1	1.2	1.4	1.2	1.1	.3	.0	.0																853	853	359	74
66/ 65	.1	.5	1.5	1.6	1.4	1.1	.6	.1	.0																	911	911	585	152
64/ 63	.2	1.5	1.9	1.8	1.4	1.2	.4	.1																		1089	1090	967	348
62/ 61	.4	2.2	2.3	2.1	1.3	.8	.2	.0																		1213	1213	1288	719
60/ 59	.6	3.3	2.5	2.1	1.2	.4	.1																			1345	1348	1466	994
58/ 57	.9	3.8	2.8	1.5	.7	.2	.0																			1282	1285	1715	1302
56/ 55	1.1	4.4	2.0	1.1	.4	.1																				1173	1173	1862	1416
54/ 53	1.0	2.8	1.8	.7	.1	.0																				831	831	1696	1739
52/ 51	.6	2.2	1.1	.4	.0																					970	970	1111	1616
50/ 49	.3	1.3	.8	.1																						328	328	782	1382
48/ 47	.2	.9	.3	.0																						182	183	478	1086
46/ 45	.2	.5	.1	.0																						99	102	256	874
44/ 43	.1	.2	.0																							32	32	101	534
42/ 41	.0	.1	.0																							18	18	28	336
40/ 39		.0																								1	2	13	128
38/ 37																													67
36/ 35																													30
34/ 33																													2

Element (X)	Σ_X	Σ_X^2	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72

PAGE 2 ALL.

WET BULB TEMPERATURE DEPRESSION (F)

	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31+	TOTAL DB WB	TOTAL Wet Bulb Depr.
TOTAL	5.5	24.0	18.9	14.2	11.4	9.2	6.5	4.4	2.4	1.5	.9	.5	.3	.1	.0			13037 13027	13027 13027

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	72752879	945413	72.6	17.836	13027							
Dry Bulb	82490600	819258	62.8	8.792	13037			225.6	109.9	36.5	1.3	744
Wet Bulb	42075470	741916	57.0	5.690	13027			38.8	1.7			744
Dew Point	36890893	688921	52.9	5.929	13027			5.8	.1			744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 AUG

	WET BULB TEMPERATURE DEPRESSION F																									TOTAL			
F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	OB	WB	DB	WB
92/ 91												.0												.0	.0							4	4		
90/ 89														.0								.0	.0	.0								10	10		
88/ 87												.0		.0				.0				.0	.0	.0	.0							29	29		
86/ 85							.0	.0		.0		.1		.1		.1		.1				.0	.1									57	57		
84/ 83					.0		.0	.0		.1		.1		.2		.2		.1		.1		.0	.0									98	98		
82/ 81						.0	.0	.0		.1		.3		.2		.2		.1														136	136		
80/ 79						.0	.0	.1		.2		.3		.3		.2		.0														163	163	4	
78/ 77				.0		.0	.1	.3		.4		.3		.3		.2		.0														194	194	2	2
76/ 75				.0		.0	.2	.6		.5		.5		.2		.1		.0														284	284	12	2
74/ 73				.0		.1	.3	.8		.7		.4		.2		.0		.0														376	376	17	5
72/ 71	.0	.0		.1		.3	.8	.8		.7		.4		.1		.0																440	440	35	11
70/ 69		.0		.3		.7	1.0	1.1		.8		.4		.1																		609	609	107	19
68/ 67	.0	.2		.8		1.2	1.2	1.4		.7		.2		.0																		769	769	263	34
66/ 65	.0	.6		1.5		1.6	1.6	1.0		.6		.1																				947	949	540	102
64/ 63	.1	1.6		2.0		2.2	1.6	1.1		.3		.0																				1197	1197	796	292
62/ 61	.4	2.9		2.3		2.2	1.6	.7		.1		.0																				1363	1364	1169	642
60/ 59	.7	4.4		2.7		2.1	.9	.2		.1																						1468	1468	1612	1040
58/ 57	1.0	4.6		2.8		1.3	.5	.1		.0																						1387	1387	1920	1680
56/ 55	.8	4.8		2.2		.8	.2																									1190	1190	2010	1577
54/ 53	.9	4.1		1.5		.5	.1																									949	949	1731	1910
52/ 51	1.0	3.8		1.3		.1	.0																									838	839	1356	1813
50/ 49	.7	1.8		.5		.0																										407	407	906	1660
48/ 47	.4	1.2		.1		.0																										229	230	486	1205
46/ 45	.2	.6		.0																												135	138	265	805
44/ 43	.1	.2		.0																												50	51	101	459
42/ 41	.2	.1																														30	30	41	188
40/ 39	.0	.0																														8	8	12	70
38/ 37	.0																															1	1	3	41
36/ 35																																							11
TOTAL	6.8	31.1	18.4	13.2	10.4	8.2	5.5	3.2	1.5	.9	.4	.2	.1	.0																		13377		13368	
																																13368		13368	

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	81319190	1018084	76.2	16.824	13368							
Dry Bulb	51295905	821121	61.4	8.171	13377			176.3	75.1	23.4		744
Wet Bulb	42948274	754260	56.4	5.407	13368			24.3	1.9	.1		744
Dew Point	37927868	700344	52.0	5.430	13368			4.1	.5			744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 SEP

WET BULB TEMPERATURE DEPRESSION °F

DB °F	WB °F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	TOTAL	TOTAL		
90/	89																				.0			1	1		
88/	87																.0	.0		.0				4	4		
86/	85																.0	.0	.0	.0				11	11		
84/	83															.0	.0	.0	.0	.0				16	16		
82/	81														.1	.1	.1	.0						38	38		
80/	79								.0	.0	.1	.1	.1	.1	.0	.0								47	47		
78/	77									.1	.2	.2	.1	.1	.0									85	85		
76/	75							.0	.1	.4	.1	.1	.0											103	103		
74/	73					.0	.2	.5	.4	.2	.1	.0												185	185		
72/	71			.0	.2	.5	.9	.5	.2	.1	.0													304	304	1	
70/	69			.1	.6	.8	.9	.3	.2	.2	.0	.0												391	391	13	1
68/	67		.0	.4	.8	.9	.7	.3	.3	.1	.0													458	458	62	1
66/	65	.0	.1	.9	1.2	1.1	.7	.5	.2	.0	.0													587	587	188	13
64/	63	.1	.7	1.8	1.2	1.2	.8	.3	.2															794	794	417	70
62/	61	.2	1.7	2.1	1.4	1.2	.7	.2	.1	.0														939	939	732	239
60/	59	.5	3.4	2.2	1.9	1.0	.4	.2	.0															1196	1196	1105	618
58/	57	1.1	3.5	2.2	1.7	.7	.3	.1																1197	1197	1338	1102
56/	55	1.2	4.5	2.4	1.3	.7	.2	.1																1302	1302	1411	1295
54/	53	1.2	4.4	2.6	.8	.3	.1	.0																1191	1191	1590	1306
52/	51	1.5	5.1	1.7	.7	.2	.0																	1155	1155	1535	1474
50/	49	1.2	4.2	1.1	.3	.1																		863	863	1431	1545
48/	47	1.1	2.6	.8	.2	.1																		589	591	982	1486
46/	45	.9	2.0	.5	.1																			441	442	702	1096
44/	43	.7	1.3	.2	.0																			295	296	486	783
42/	41	.7	.7	.1	.0																			182	182	287	5[illegible]
40/	39	.3	.4	.0																				96	97	152	400
38/	37	.3	.2	.0																				63	66	89	272
36/	35	.2	.0																					24	29	35	158
34/	33	.0																						4	4	5	69
32/	31	.0																						2	2	2	29
30/	29																										11
28/	27																										8
TOTAL		11.2	35.0	19.0	12.6	8.9	6.4	3.4	1.9	1.0	.4	.1	.0	.1										12576		12563	
																									12563		

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	820586907	994852	79.2	16.152	12563							
Dry Bulb	41877954	718306	57.1	8.223	12576		.1	94.1	28.1	3.3		720
Wet Bulb	35900357	667257	53.1	6.054	12563		.1	4.4				720
Dew Point	31956633	628781	50.1	6.220	12563		2.8	.1				720

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 OCT

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DB F	DB C	WET BULB TEMPERATURE DEPRESSION F: 0	1	2	3	4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31+	TOTAL OBS	TOTAL WB	TOTAL DP	DP C
78/	77										.0										2	2		
76/	75									.0	.0										9	9		
74/	73								.0	.1		.0									15	15		
72/	71							.1	.1	.1	.0										28	28		
70/	69						.0	.0	.1	.0		.0									30	30		
68/	67					.0	.0	.1	.2	.1	.1										72	72		
66/	65					.1	.3	.4	.3	.1	.0	.0									139	139	4	
64/	63			.0		.2	.6	.3	.2	.1	.1	.0									211	211	32	
62/	61			.1		.8	1.0	.7	.3	.1	.0										369	369	49	6
60/	59		.0	.6		1.7	1.2	.3	.2	.1	.0										544	544	136	34
58/	57		.1	1.7		1.8	.9	.3	.1	.1	.0										642	642	419	112
56/	55		.7	3.5		1.6	1.2	.4	.2	.1	.0										989	989	930	444
54/	53		.9	4.2		2.3	.9	.4	.2	.0	.0										1140	1145	1048	830
52/	51	1.2	3.8		2.3	.9	.3	.2	.0												1128	1129	1128	1163
50/	49	1.3	4.9		2.6	1.1	.4	.0	.0												1297	1298	1252	1094
48/	47	1.4	4.8		2.3	.7	.2	.0													1199	1199	1227	1144
46/	45	1.8	5.2		1.5	.5	.2	.0		.0											1172	1173	1429	1265
44/	43	1.7	4.2		1.4	.3	.0														956	963	1342	1310
42/	41	1.6	3.3		.7	.2	.0	.0													726	735	1060	1146
40/	39	1.8	3.0		.5	.1	.0														693	700	883	1126
38/	37	1.6	1.9		.4	.1															500	508	652	941
36/	35	1.3	1.1		.2																319	324	441	795
34/	33	1.2	.7		.0																244	248	311	502
32/	31	.6	.4		.0																133	133	187	354
30/	29	.2	.3		.0																63	63	82	200
28/	27	.1	.1																		24	24	35	104
26/	25	.0	.0																		6	6	8	47
24/	23	.0																			1	1	1	20
22/	21	.0																			1	1	1	5
20/	19																							4
18/	17																							4
16/	15																							1
8/	7																							1

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 OCT

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Temp. F	WET BULB TEMPERATURE DEPRESSION F. 0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15	16	17-18	19-20	21	22	23-24	25	26	27	28-29	30	≥31	TOTAL D.B. W.B. Dry B.	TOTAL Wet B. Dew P.
TOTAL	17,543	920.4	9.9	5.0	2.0	.8	.4	.1															12700 12652	12652 12652

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	91650069	1068708	84.1	13.206	12650							
Dry Bulb	31076201	620082	48.8	7.939	12700		13.6	9.1	1.5			744
Wet Bulb	27688026	589006	46.3	6.788	12652		18.5					744
Dew Point	24977214	555130	43.5	7.000	12652		61.5					744

USAFETAC FORM 0-26-5 (OL-A) JUL 64 REVISE PREVIOUS EDITIONS OF THIS FORM AS REQ'D

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 NOV

Dry Bulb / Wet Bulb	WET BULB TEMPERATURE DEPRESSION F: 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry B.	TOTAL Wet B.	TOTAL Dew P.
70/ 69													.0	.0																			3	3			
68/ 65									.0																								2	2			
64/ 63							.0																										4	4			
62/ 61					.0	.0	.1																										15	15			
60/ 59					.1	.1	.1	.0	.0																									30	30			
58/ 57			.1	.2	.1	.2	.1																										73	73	14	1	
56/ 55	.0	.3	.2	.3	.3	.1																											147	147	28	6	
54/ 53	.0	.5	.6	.4	.2	.0																											223	223	80	40	
52/ 51	.0	.9	1.0	.5	.2																												308	308	144	61	
50/ 49	.1	1.7	1.7	.6	.0	.0																											491	494	290	146	
48/ 47	.5	2.6	2.3	.5	.1																												711	714	556	291	
46/ 45	.7	5.4	1.9	.4	.1																												1005	1007	770	485	
44/ 43	1.5	6.1	1.7	.2	.0																												1134	1143	1225	896	
42/ 41	1.8	6.0	1.3	.4																													1133	1136	1258	1114	
40/ 39	2.4	6.2	1.4	.1	.0																												1206	1223	1259	1344	
38/ 37	2.0	6.3	1.2	.1																													1137	1147	1171	1285	
36/ 35	2.2	5.9	.9	.0																													1082	1093	1219	1183	
34/ 33	2.3	6.2	.7	.0																													1101	1120	1109	1138	
32/ 31	2.1	5.3	.3	.1																													928	933	1184	1156	
30/ 29	.9	3.8	.2	.0																													588	588	707	969	
28/ 27	.6	1.8	.1	.0																													283	283	458	712	
26/ 25	.4	.9	.0	.0																													158	158	210	483	
24/ 23	.2	.4	.0																														75	75	134	272	
22/ 21	.1	.2																															34	34	81	161	
20/ 19	.1	.0																															15	15	36	108	
18/ 17	.1																																13	13	14	49	
16/ 15	.1																																10	10	10	24	
14/ 13																																				16	
12/ 11																																				13	
10/ 9																																				4	
8/ 7																																				2	
6/ 5																																				1	
4/ 3																																				1	

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 NOV

Temp F	WET BULB TEMPERATURE DEPRESSION F																									TOTAL DB, WB, Dew Point	TOTAL Wet Bulb
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48		
TOTAL	18.	360.	415.	8	4.1	1.2	.2	.0	.0																	11991 11911	11911 11911

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	
Ref. Hum.	90284927	1080019	86.8	9.881	11911							
Dry Bulb	19333336	473860	39.8	7.233	11991		126.0	.2				720
Wet Bulb	17305748	480588	37.8	6.809	11911		148.9					720
Dew Point	18701380	426644	35.7	6.871	11911		237.0					720

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 DEC

PAGE 1 ALL

64/ 63						.0	.0	4	4		
62/ 61					.0			1	1		
60/ 59				.0	.0			5	5		
58/ 57			.0	.0	.0			10	10		
56/ 55		.1	.2	.2	.0			56	56	1	
54/ 53	.0	.3	.1	.1	.0			59	59	32	8
52/ 51	.0	.3	.3	.2	.0	.0		98	110	70	43
50/ 49	.1	.8	.4	.2	.0			193	193	96	68
48/ 47	.2	1.6	.6	.1	.1			344	345	204	124
46/ 45	.9	2.5	.8	.1				530	533	421	309
44/ 43	1.1	3.5	1.0	.1				706	711	618	447
42/ 41	1.2	4.4	1.2	.0				830	833	765	582
40/ 39	1.4	4.8	.9	.0	.0			875	883	889	726
38/ 37	1.6	5.5	.8	.1	.0			991	1010	993	858
36/ 35	2.4	6.2	.8	.1	.0			1171	1184	1100	1052
34/ 33	3.0	7.4	.7	.0	.0			1372	1387	1280	1280
32/ 31	4.2	6.7	.6	.0				1416	1432	1609	1374
30/ 29	2.4	4.5	.4	.0				904	904	1086	1181
28/ 27	1.9	2.8	.3					615	616	813	999
26/ 25	2.1	2.4	.1					558	558	602	727
24/ 23	1.2	1.9						384	384	458	594
22/ 21	1.3	1.4	.0					334	336	386	484
20/ 19	1.3	1.0						274	284	289	355
18/ 17	.5	.7	.0					181	182	168	359
16/ 15	.4	.5						105	113	119	230
14/ 13	.3	.5						97	102	95	132
12/ 11	.4	.4						100	102	112	79
10/ 9	.4	.1						80	83	78	111
8/ 7	.1	.0						18	18	24	94
6/ 5	.1							12	12	12	96
4/ 3	.0							1	1	1	61
2/ 1											19
0/ -1											13

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34096 SEMBACH AB GERMANY 53-72 DEC

PAGE 2 ALL

WET BULB TEMPERATURE DEPRESSION

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DB WB	TOTAL Wet B. Dew P.
TOTAL	28.	40	0.	4	9.	4	1.	5	.3	.0	.0																						12411 12276	12275 12276

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum	92771720	1078894	87.9	9.048	12276							
Dry Bulb	18911985	422708	34.1	8.362	12411		304.9					744
Wet Bulb	14080810	403614	32.9	8.124	12276		284.4					744
Dew Point	12971402	377362	30.8	8.838	12275	.8	413.2					744

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 56-68 JAN
STATION NAME YEARS

 0000-0200

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1	2	3	4	5	6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB	TOTAL WB	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
52/ 51				.1																	1	1		
50/ 49			.3	.2	.1																8	8	3	
48/ 47	.1	.5	.5	.1																	17	17	9	3
46/ 45	.6	1.4	.4	.4																	38	38	29	9
44/ 43	.8	1.8	.9	.2																	52	52	35	25
42/ 41	.4	2.9	.6																		55	55	61	36
40/ 39	.5	2.8	.6																		55	55	69	39
38/ 37	.7	4.7	.9	.1																	89	89	71	52
36/ 35	2.4	7.4	.6																		144	144	120	101
34/ 33	2.8	7.0	.5																		143	143	138	139
32/ 31	2.7	7.6	.3																		148	148	138	144
30/ 29	2.4	5.3	.3																		112	112	139	122
28/ 27	3.3	3.6	.4																		101	101	122	128
26/ 25	2.6	2.4	.1																		71	71	75	117
24/ 23	1.8	2.4																			58	58	70	67
22/ 21	2.2	3.0																			72	72	68	64
20/ 19	1.8	2.6																			61	61	70	68
18/ 17	.7	1.7																			34	34	38	39
16/ 15	2.0	1.2																			48	48	53	47
14/ 13	1.4	1.2																			36	36	30	52
12/ 11	.5	.4																			13	13	20	44
10/ 9	1.1	.2																			19	19	21	26
8/ 7	.6	.1																			10	10	12	23
6/ 5	.6	.1																			10	10	10	23
4/ 3	.1																				1	1	1	10
2/ 1	.1																				1	1	1	10
0/ -1	.1																				1	1	1	5
-2/ -3																								1
-4/ -5																								1
TOTAL	32.1	80.6	6.5	.9																		1395		1395
																					1395		1395	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10079888	121881	87.3	8.210	1395							
Dry Bulb	13704[illegible]	41013[illegible]	30.[illegible]	9.369	1395	.1	88.9					93
Wet Bulb	12788[illegible]	40070[illegible]	28.[illegible]	8.278	1395	.1	87.7					93
Dew Point	11107[illegible]	37005[illegible]	26.[illegible]	9.088	1395	.8	84.1					93

USAFETAC FORM 0-26-5 (OL A) Previous editions of this form are obsolete

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 34-72 JAN

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB	TOTAL WB	TOTAL Dew Point	TOTAL Wet Bulb Depression
50/ 49		.2		.2														6	6		
48/ 47	.1	.1	.8	.1	.1													12	12	4	4
46/ 45	.2	1.3	.9	.4														36	36	24	6
44/ 43	.6	1.8	1.2	.2														56	56	27	18
42/ 41	.3	2.6	.7															53	54	50	37
40/ 39	.8	3.2	.2															66	67	80	43
38/ 37	1.4	4.7	.2	.1														94	94	83	68
36/ 35	2.2	5.0	.4															111	111	102	104
34/ 33	3.8	6.2	.4															152	153	140	146
32/ 31	3.0	7.7	.4															103	103	133	137
30/ 29	2.6	5.8	.3															127	127	136	128
28/ 27	2.4	4.1	.3															100	100	119	122
26/ 25	2.7	2.5	.1															79	79	91	117
24/ 23	2.0	2.4																64	64	81	93
22/ 21	3.1	2.4	.1															81	81	85	98
20/ 19	1.8	2.1	.1															38	39	58	67
18/ 17	1.3	1.6																45	45	55	82
16/ 15	1.9	1.2																44	44	48	81
14/ 13	.7	1.4																31	31	31	47
12/ 11	1.3	.9																22	22	42	39
10/ 9	.3	.1																6	6	7	31
8/ 7	1.2	.2																21	21	20	30
6/ 5	.8	.1																12	12	14	20
4/ 3	.1																	2	2	2	23
2/ 1	.2																	3	3	3	9
0/ -1	.1																	2	2	2	6
-2/ -3																					1
-4/ -5																					3
-6/ -7																					1
TOTAL	35.2	57.6	9.7	1.1	.4														1407		1461
																		1461		1461	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11337800	1281112	87.7	8.640	1461							
Dry Bulb	1404001	40287	29.8	9.305	1407	.1	88.8					93
Wet Bulb	1304410	41044	28.8	8.901	1461	.1	90.0					93
Dew Point	1148809	38297	26.2	9.828	1461	.9	88.9					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

36058 SEMBACH AB GERMANY 56-72 JAN

PAGE 1 0600-0800

F		WET BULB TEMPERATURE DEPRESSION F																											TOTAL		TOTAL	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	>31	D B	W B	Dry Bulb	Wet Bulb Dew Point
50/	49		.2	.2	.2							.1																			9	9		
48/	47	.4	.4	.2	.1																												20	20	9	5
46/	45		.9	.3	.2	.1																											24	25	15	9
44/	43	.7	2.1	.4	.2																												36	36	39	27
42/	41	.4	3.0	.9	.1																												70	70	50	35
40/	39	1.1	3.0	1.0	.1																												83	86	90	54
38/	37	.7	4.8	.2																													93	93	88	65
36/	35	2.6	4.4	.3																													118	120	126	111
34/	33	3.7	6.7	.4																													175	176	167	155
32/	31	3.2	7.4	.1	.1																												174	174	152	165
30/	29	3.4	5.9	.2																													159	157	169	152
28/	27	2.9	2.7	.1																													91	96	118	137
26/	25	1.9	3.6	.1																													94	94	86	108
24/	23	2.2	2.0																														69	69	89	83
22/	21	2.9	2.1	.2																													83	83	79	91
20/	19	2.4	2.9																														84	88	80	54
18/	17	1.4	1.8																														51	51	64	60
16/	15	1.4	1.2																														44	44	42	78
14/	13	.7	1.0																														28	29	32	45
12/	11	1.1	.2																														30	30	31	47
10/	9	1.3	.2																														28	28	33	30
8/	7	.8																															13	13	16	33
6/	5	.4	.1																														9	9	7	24
4/	3	.4																															7	7	9	15
2/	1																																			14
0/	-1	.2																															4	4	4	8
-2/	-3	.1																															2	2	2	1
-4/	-5																																			3
-6/	-7																																			3
TOTAL		38.7	87.8	4.8	1.0	.1	.1																											1630		1612
																																	1612		1612	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	12887304	1482042	88.2	8.394	1611							
Dry Bulb	1869878	47880	29.4	9.384	1630	.2	55.6					93
Wet Bulb	1488442	45841	28.4	9.067	1612	.2	59.6					93
Dew Point	1207082	42258	26.2	9.991	1612	.2	66.6					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 YEARS

PAGE 1 0900-1100

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dew P.
54/ 53			.1															1	1	
52/ 51			.1	.1														3	3	
50/ 49		.2	.2	.1														9	9	1
48/ 47	.2	1.0	.2	.2														25	25	14	6
46/ 45	.3	1.2	.7	.1														38	38	25	15
44/ 43	.4	2.1	.7	.1														54	54	39	26
42/ 41	.7	2.5	.9	.1														69	69	56	39
40/ 39	1.3	4.5	1.2	.2														118	119	92	61
38/ 37	1.0	3.7	.4															84	84	112	78
36/ 35	2.3	5.3	.9															138	139	120	135
34/ 33	2.8	6.6	.6		.1													162	163	154	132
32/ 31	3.7	6.3	.1	.1														169	169	181	163
30/ 29	2.3	6.5	.2															148	151	160	135
28/ 27	2.0	3.8	.2															99	100	115	156
26/ 25	2.1	3.6	.1															95	95	101	106
24/ 23	2.3	2.0	.2															73	73	93	98
22/ 21	2.1	4.3																104	104	87	75
20/ 19	1.4	2.3																59	60	74	81
18/ 17	1.0	2.0																50	50	51	50
16/ 15	1.1	1.3																39	39	46	73
14/ 13	.6	.6																20	20	26	57
12/ 11	.3	.7																19	19	16	31
10/ 9	1.4	.3																30	30	34	30
8/ 7	.6	.2																12	12	14	22
6/ 5	.3	.1																7	7	7	30
4/ 3	.1	.1																3	3	3	10
2/ 1	.1																	1	1	2	10
0/ -1	.1																	1	1	1	6
-2/ -3	.2																	2	2	2	1
-4/ -5																					3
-6/ -7																					2
-8/ -9																					2
TOTAL	30.7	61.5	6.8	1.0	.1													1628	1640	1628	1628

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	12440158	141578	87.0	8.867	1628							
Dry Bulb	1082440	49812	30.2	9.198	1640	.2	53.1					93
Wet Bulb	1508210	47906	29.1	8.862	1628	.2	58.0					93
Dew Point	1316332	43454	26.7	9.807	1628	.8	68.2					93

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 54-72 JAN

PAGE 1 1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB WB	TOTAL Wet Bulb	Dew Point
56/ 55					.1													2	2	
54/ 53				.2	.1													5	5	
52/ 51				.4														7	7	
50/ 49	.1	.6	.5	.3	.1													25	25	1
48/ 47	.4	.8	.6	.2	.1													34	34	29 13
46/ 45	.5	1.6	1.4	.2	.1													63	63	44 17
44/ 43	.7	2.5	1.6	.4														87	87	56 39
42/ 41	.4	3.4	1.6	.4														95	95	82 36
40/ 39	.9	4.2	2.2	.3														126	126	111 86
38/ 37	.5	4.2	1.8	.1														111	112	122 101
36/ 35	1.9	6.3	1.9	.1	.1													169	169	156 123
34/ 33	3.0	6.0	1.5	.3	.1													179	180	172 169
32/ 31	1.8	7.5	.8	.2														169	170	180 155
30/ 29	1.5	5.0	1.0	.1														126	126	159 176
28/ 27	1.8	3.9	.5															103	103	131 122
26/ 25	1.2	2.6	.5															71	71	84 105
24/ 23	1.0	4.2	.3															90	90	80 92
22/ 21	.8	2.2	.2															53	53	84 83
20/ 19	.4	2.1	.1															42	42	62 72
18/ 17	.4	1.5	.1															33	33	62 90
16/ 15	.1	1.1	.1															20	20	26 59
14/ 13	.3	.7	.1															18	18	24 39
12/ 11		.8																13	13	13 27
10/ 9	.2	.1																5	5	11 26
8/ 7	.1																	1	1	2 25
6/ 5																				19
4/ 3																				5
2/ 1																				4
0/ -1																				1
-4/ -5																				1
-6/ -7																				1
-8/ -9																				1
TOTAL	17.8	61.5	16.9	3.2	.6													1647	1650	1647 1647

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1149668	138254	83.8	11.361	1647							
Dry Bulb	1916312	96804	33.0	8.282	1650		68.0					93
Wet Bulb	1726467	81671	31.4	8.002	1647		49.6					93
Dew Point	1449884	44414	28.2	9.284	1647	.2	60.0					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 JAN

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1 2	3 4	5 6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB	TOTAL WB	TOTAL Wet Bulb Dew Point	
56/ 55					.1	.1												3	3		
54/ 53				.2	.1													4	4		
52/ 51				.4	.1	.1												8	8		
50/ 49	.1	.2	.0	.1	.1	.1												21	21	2	1
48/ 47	.3	.8	.7	.4	.1	.1												40	40	21	8
46/ 45	.6	1.3	1.1	.3														55	55	44	16
44/ 43	.4	3.3	1.6	.3														91	91	80	39
42/ 41	.5	2.6	1.7	.6	.1													88	88	97	80
40/ 39	.8	3.5	2.7	.6														129	129	85	83
38/ 37	.2	5.0	3.3	.2														142	144	118	71
36/ 35	1.8	6.5	2.0	.3	.1													174	174	181	132
34/ 33	2.7	6.9	1.2	.4	.2													188	188	200	127
32/ 31	1.7	5.7	.9	.2														138	138	176	171
30/ 29	1.2	5.2	1.2															131	131	145	155
28/ 27	2.1	2.8	.7															93	93	129	141
26/ 25	1.2	2.9	.8															81	81	77	127
24/ 23	.9	4.0	.3															85	85	79	92
22/ 21	.4	2.8	.3															58	58	76	75
20/ 19	.4	1.6	.4															40	40	64	62
18/ 17	.2	1.0	.1															23	23	28	37
16/ 15	.2	1.0																20	20	29	54
14/ 13	.1	1.0	.1															19	19	21	35
12/ 11		.2																4	4	10	27
10/ 9	.1	.1																2	2	4	29
8/ 7																				1	21
6/ 5																					17
4/ 3																					7
2/ 1																					2
0/ -1																					2
-2/ -3																					1
TOTAL	18.4	58.7	19.9	4.0	.8	.2												1692	1684	1692	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	111760836	1338704	81.9	11.686	1692							
Dry Bulb	1923868	56801	33.6	8.114	1692		39.6					93
Wet Bulb	1788777	51501	31.6	7.734	1692		47.8					93
Dew Point	1692710	40038	28.2	9.044	1692	.2	61.3					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68 JAN

PAGE 1 1800-2000

Temp F	WET BULB TEMPERATURE DEPRESSION IF 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥31	TOTAL Wet Bulb	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
52/ 51			.1			.1																											2	2		
50/ 49		.2	.4	.2		.2																											15	15	6	3
48/ 47			1.1	.4		.3				.1																							27	27	3	4
46/ 45		.4	1.1	.6		.4																											36	36	37	15
44/ 43		.4	2.9	1.4		.1																											68	68	32	24
42/ 41		.5	2.2	1.4		.1																											58	58	57	44
40/ 39		.4	2.3	1.0		.4																											57	57	63	41
38/ 37		.8	6.0	1.8																													120	120	86	46
36/ 35		1.6	7.7	1.2		.1																											148	148	129	108
34/ 33		3.0	6.7	.8																													147	147	178	134
32/ 31		2.0	7.2	.4																													133	133	136	169
30/ 29		1.9	6.3	.3																													126	126	161	122
28/ 27		1.9	3.9	.4																													88	88	109	144
26/ 25		1.7	3.0	.4																													71	71	76	79
24/ 23		.9	5.1																														83	83	76	85
22/ 21		1.4	3.7	.1																													73	73	84	65
20/ 19		.7	2.4	.1																													45	45	62	57
18/ 17		.7	1.6	.1																													34	34	40	52
16/ 15		.4	.6	.1																													14	14	21	58
14/ 13		.7	.9																														23	23	22	46
12/ 11		.4	.5																														12	12	15	22
10/ 9		.2	.2																														7	7	11	18
8/ 7		.1	.2																														5	5	4	21
6/ 5		.1	.1																														4	4	6	21
4/ 3			.1																														1	1	1	4
2/ 1																																				6
0/ -1																																				4
-2/ -3																																				2
-4/ -5																																				1
TOTAL	20.6	66.7	11.0	1.6						.1																								1395		1395
																																	1395		1395	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10146826	118188	84.7	9.773	1395							
Dry Bulb	1483718	43922	31.5	8.504	1395		47.8					93
Wet Bulb	1358403	42017	30.1	8.168	1395		53.6					93
Dew Point	1160348	38088	27.3	9.307	1395	.8	68.1					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 54-68 JAN

WET BULB TEMPERATURE DEPRESSION F

F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL			
52/ 51					.1																												2	2		
50/ 49		.2		.3		.3	.1																										13	13	7	3
48/ 47				.2		.6		.4	.1																								19	19	3	4
46/ 45		.4		1.7		.3		.1																									33	33	23	5
44/ 43		.7		2.2		1.3		.1																									61	61	36	26
42/ 41		.2		1.9		1.3		.2																									50	50	59	37
40/ 39		.4		2.9		.6		.1																									56	56	52	38
38/ 37		1.0		4.7		.6																											87	87	75	59
36/ 35		2.4		7.9		.5																											151	151	127	99
34/ 33		3.7		5.6		.9																											142	142	159	162
32/ 31		2.2		8.6		.4																											156	156	130	120
30/ 29		2.6		5.2		.4																											113	113	163	132
28/ 27		2.7		4.7		.4																											109	109	118	136
26/ 25		1.3		3.0		.3																											64	64	66	98
24/ 23		1.7		2.6		.1																											61	61	72	72
22/ 21		1.7		3.7																													74	74	76	76
20/ 19		1.1		3.0																													57	57	59	45
18/ 17		.9		2.2																													43	43	46	54
16/ 15		1.7		.7		.1																											35	37	47	53
14/ 13		.6		.6																													16	16	18	56
12/ 11		.6		.1																													11	11	16	31
10/ 9		1.0		.1																													15	15	16	17
8/ 7		.6		.1																													11	11	9	20
6/ 5		.4		.1																													8	8	8	16
4/ 3		.2																															3	3	5	11
2/ 1		.1		.1																													2	2	1	13
0/ -1		.1																															1	1	2	4
-2/ -3																																				3
-4/ -7																																				3
TOTAL		28.6		62.1		9.1		1.1		.1																								1393		1393	1393
																																	1393		1393	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	10920208	120418	86.4	8.916	1393							
Dry Bulb	1403808	42420	30.4	9.038	1395	.1	52.1					93
Wet Bulb	1300008	40813	29.2	8.654	1393	.1	56.9					93
Dew Point	1126078	37287	26.8	9.612	1393	.7	64.1					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 24-08 FEB

PAGE 1 0000-0200

DB / WB	WET BULB TEMPERATURE DEPRESSION F 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DB	TOTAL WB	Wet Bulb	Dew Point
56/ 55							.2																										2	2		
54/ 53					.1		.2		.2																								5	5		
52/ 51				.5		.5	.2		.1																								15	15		
50/ 49						.9	.4																										17	17	10	2
48/ 47		.2		.6	1.3		.2																										31	31	17	5
46/ 45		.3		1.9		.6		.3		.1																							41	41	33	11
44/ 43		.6		2.8		1.1		.2																									58	58	49	37
42/ 41		.8		4.4		1.3		.2		.1																							86	86	73	49
40/ 39		1.3		3.1		.7		.3																									68	68	90	91
38/ 37		1.3		4.4		.9																											83	83	69	77
36/ 35		2.4		4.6		.9																											100	100	105	74
34/ 33		2.3		5.2		.9		.2																									112	112	96	104
32/ 31		1.8		4.6		.9																											93	93	113	98
30/ 29		1.8		5.9		1.3																											114	116	92	90
28/ 27		2.4		5.7		.6		.2																									113	113	132	100
26/ 25		2.9		3.3		.6																											89	89	97	96
24/ 23		.4		3.1		.4		.1																									50	50	65	78
22/ 21		1.2		.8		.3		.1																									32	32	55	58
20/ 19		.6		.8		.1																											18	18	20	62
18/ 17		1.0		.9		.1																											26	26	25	39
16/ 15		.6		1.4																													25	25	26	38
14/ 13		.9		.3																													15	17	23	21
12/ 11		.3		.5																													12	12	8	14
10/ 9		1.3		.4																													24	24	26	23
8/ 7		.6		.2																													10	10	12	22
6/ 5		.6		.2																													10	10	8	26
4/ 3		.5		.2																													10	10	12	19
2/ 1		.2																															2	2	3	7
0/ -1		.2																															4	4	4	7
-2/ -3		.2																															2	2	2	10
-4/ -5																																				3
-6/ -7		.2																															3	3	3	4
-8/ -9																																				1
-10/-11																																				1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68 FEB

PAGE 2 0000-0200

Temp. (F)	0	1-2	3-4	5-6	7-8	Total D.B.	Total W.B.	Total Wet Bulb	Total Dew Point
-12/-13									2
-14/-15									1
TOTAL	27.2	56.2	13.6	2.6	.4	1272	1270	1270	1270

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9204569	107209	84.4	11.028	1270							
Dry Bulb	1396428	40006	31.5	10.427	1272	.6	48.2					84
Wet Bulb	1274339	38207	30.1	9.921	1270	.6	48.2					84
Dew Point	1091277	34477	27.1	11.063	1270	1.9	54.2					84

Mean No. of Hours with Temperature

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) FEB (MONTH)

PAGE 1 0300-0500 (HOURS)

Temp F	WET BULB TEMPERATURE DEPRESSION F: 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21	22 - 23	24 - 25	26 - 27	28 - 29	30	≥ 31	TOTAL D.B	TOTAL W.B	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
54/ 53			.1	.2															3	3			
52/ 51		.5	.5	.2															15	15	1		
50/ 49		.2	.8	.2															16	16	8		2
48/ 47	.2	.5	1.4	.4															32	32	19		7
46/ 45	.3	2.3	1.1	.3															54	54	27		14
44/ 43		2.6	1.4	.1															54	54	36		27
42/ 41	1.0	3.1	.5	.1															62	62	64		66
40/ 39	1.3	4.1	1.1	.1															87	88	90		69
38/ 37	1.7	3.3	.9	.2															81	81	78		95
36/ 35	1.6	4.9	.5																93	93	91		66
34/ 33	2.4	5.7	1.0	.2															124	124	104		100
32/ 31	2.6	4.6	.3																99	100	131		111
30/ 29	1.8	3.8	.8																86	86	86		97
28/ 27	3.3	4.7	.3																117	117	115		100
26/ 25	2.9	3.3	.3																90	90	101		81
24/ 23	2.0	3.8	.1																79	79	98		92
22/ 21	.8	2.6	.4																51	51	45		70
20/ 19	1.2	.9	.1																29	29	49		71
18/ 17	.5	.3	.3																15	15	17		42
16/ 15	1.3	.9																	29	30	27		60
14/ 13	1.0	1.1																	28	28	32		29
12/ 11	.6	.3																	12	12	16		21
10/ 9	1.7	.2																	25	25	28		16
8/ 7	.5	.3																	11	11	9		27
6/ 5	.6	.2																	10	10	11		29
4/ 3	1.0	.2																	16	16	16		17
2/ 1	.4																		5	5	6		10
0/ -1	.2																		2	2	2		8
-2/ -3	.2																		3	3	3		14
-4/ -5	.1																		1	1	1		4
-6/ -7	.2																		3	3	3		2
-8/ -9																							2
-22/-13																							3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.												
Dry Bulb						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 YEARS FEB MONTH

PAGE 2 0300-0500

Temp F	WET BULB TEMPERATURE DEPRESSION F																											TOTAL D.B. W.B	TOTAL Dry B.	TOTAL Wet B.	TOTAL Dew P.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31														
TOTAL	31,554,412.2	2.0																										1332	1335	1332	1332

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9927877	114209	85.7	10.083	1332							84
Dry Bulb	1407474	40938	30.7	10.879	1335	.0	66.9					84
Wet Bulb	1292830	39220	29.4	10.108	1332	.0	50.1					84
Dew Point	1119789	35089	26.3	11.278	1332	2.1	58.9					84

USAFETAC FORM 0-26 5 (OL A) JUL 66 REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY (STATION NAME) 54-72 (YEARS) FEB (MONTH)

PAGE 1 0600-0800

°F	WET BULB TEMPERATURE DEPRESSION °F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB	TOTAL WB	TOTAL Dry B.	TOTAL Wet B.	TOTAL Dew P.
54/ 53			.1	.1														3	3			
52/ 51		.3	.3	.1														13	13	1		
50/ 49		.1	.7	.1														12	12	8		2
48/ 47	.2	.2	.6	.4														26	26	16		7
46/ 45	.5	1.9	1.0	.4														54	54	24		19
44/ 43	.3	3.0	.8															59	59	39		28
42/ 41	.8	3.4	.2															66	66	70		48
40/ 39	1.1	3.6	.9															81	84	81		75
38/ 37	1.1	3.0	.5	.1														68	69	81		91
36/ 35	1.7	6.0	1.1															129	130	86		80
34/ 33	2.5	6.2	.5															135	136	144		98
32/ 31	3.6	5.6	.2															138	140	159		102
30/ 29	3.2	3.4	.2															100	101	118		123
28/ 27	2.5	3.6	.5															95	95	89		107
26/ 25	3.0	5.1	.2															121	121	110		85
24/ 23	1.4	2.6	.1															75	75	97		74
22/ 21	1.5	1.7																47	47	72		80
20/ 19	1.2	2.1	.2															52	52	48		65
18/ 17	.8	.6	.2															34	34	36		70
16/ 15	1.2	.8																29	29	27		39
14/ 13	1.2	.9																30	30	34		33
12/ 11	.9	.4																19	19	19		35
10/ 9	1.3	.2																22	22	23		21
8/ 7	.8	.5																20	20	17		26
6/ 5	.6	.1																10	10	14		28
4/ 3	.6	.1																11	11	10		14
2/ 1	.4	.1																7	7	8		14
0/ -1	.2																	3	3	4		6
-2/ -3	.1																	2	2	2		9
-4/ -5	.2	.2																6	6	3		8
-6/ -7																				1		2
-8/ -9																						1
-10/-11																						6
-12/-13																						1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 24-72 FEB

PAGE 2 0600-0800

WET BULB TEMPERATURE DEPRESSION F

	F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31	TOTAL D.B W.B	TOTAL Dew Point
TOTAL	33.	25	6.9	8.8	1.1																												1427 1466	1427

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11067020	120238	84.4	9.429	1427							84
Dry Bulb	1498609	44287	30.2	10.488	1466	.0	60.0					84
Wet Bulb	1379278	42306	29.1	10.033	1427	.7	51.1					84
Dew Point	1204094	38700	26.6	10.998	1457	1.9	58.2					84

USAFETAC FORM 0-26-5 (OL-A) PREVIOUS EDITIONS OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 56-72 FEB

PAGE 1 0900-1100

Temp. F	WET BULB TEMPERATURE DEPRESSION F: 0	1-2	3	4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B. W.B	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Pt.
58/ 57					.1	.1													2	2		
56/ 55				.1	.1														4	4		
54/ 53				.2	.1	.2													7	7		
52/ 51			.2	.2	.3	.1	.1												22	22	4	
50/ 49	.1	.3	.6	.3	.1														22	22	13	3
48/ 47	.1	.7	1.7	.3															40	40	19	14
46/ 45	.2	2.6	.6	.1															50	50	45	17
44/ 43	.3	3.2	.8	.1															64	64	76	37
42/ 41	.3	3.0	.9	.2	.1														65	65	69	58
40/ 39	.5	3.7	1.7	.2															88	90	68	69
38/ 37	.9	3.9	1.1	.2															88	90	85	88
36/ 35	1.7	6.1	1.3	.1															135	138	110	82
34/ 33	2.8	7.0	1.1	.1															159	161	161	126
32/ 31	2.8	4.2	1.6																124	124	154	139
30/ 29	1.7	3.9	.8																92	92	109	108
28/ 27	1.7	4.1	.8																96	96	95	87
26/ 25	2.6	4.1	.6	.1															106	106	109	102
24/ 23	1.5	3.4	.2	.1															76	76	91	96
22/ 21	.9	1.9	.1																42	42	64	76
20/ 19	.3	1.4	.2																27	27	31	66
18/ 17	1.1	.8	.1																29	29	34	46
16/ 15	.8	.8																	22	22	27	55
14/ 13	.9	.6																	21	21	25	26
12/ 11	.8	.5	.1																19	19	17	26
10/ 9	.8	.3	.1																17	17	16	24
8/ 7	.5	.3																	11	11	14	20
6/ 5	.3	.2																	8	8	10	17
4/ 3	.1	.2																	4	4	4	10
2/ 1	.2																		4	4	5	7
0/ -1	.1																		2	2	2	7
-2/ -3	.1	.2																	3	3	2	6
-4/ -5	.1	.2																	2	2	3	8
-6/ -7																						5
-8/ -9																						1

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 56-72 FEB

PAGE 2 0900-1100

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 >31	TOTAL DB-WB	TOTAL Wet B.-Dew P.
-10/-11			4
-14/-15			1
TOTAL	24.137.815.1 2.5 .6 .1	1460	1451
		1451	1451

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	10410088	121880	84.0	11.01	1451							
Dry Bulb	1087988	46080	31.8	10.117	1460	.0	40.0					84
Wet Bulb	1077490	44136	30.4	9.609	1451	.0	47.0					84
Dew Point	1287387	39901	27.4	10.098	1451	1.0	55.4					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 54-72 FEB

WET BULB TEMPERATURE DEPRESSION F

DRY BULB F / C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL Wet B	TOTAL Dew P
66/ 65										.1																					1	1
64/ 63												.1																			1	1
62/ 61						.1		.1		.1		.1																			5	5
60/ 59						.2		.1				.1																			7	7	
58/ 57				.1		.3		.4		.1		.1																			14	14	2	
56/ 55				.1		.1		.2		.1																					9	9		
54/ 53				.4		.9		.9		.1																					33	33	11	1
52/ 51			.2	.2		.8		.2		.1																					30	30	12	1
50/ 49			.5	1.1		.7		.1		.1																					35	35	26	12
48/ 47		.1	1.2	1.4		.8		.2																							56	56	37	21
46/ 45		.1	2.3	1.7		1.2		.2		.1																					81	81	65	19
44/ 43		.2	2.2	1.8		1.4		.2																							88	88	71	49
42/ 41		.4	3.2	2.4		1.6		.1																							113	113	95	63
40/ 39		.9	3.4	2.7		1.2		.1																							121	121	100	106
38/ 37		.4	3.9	2.9		1.5																									128	129	139	72
36/ 35		1.0	4.2	2.2		.8																									126	128	141	117
34/ 33		1.2	4.2	2.9		.6																									132	132	139	129
32/ 31		.2	2.2	2.7		.2		.1																							86	86	124	129
30/ 29		.6	3.1	2.9		.3																									103	103	98	113
28/ 27		1.2	3.2	1.8		.1		.1																							94	94	117	101
26/ 25		1.0	2.7	1.0		.1																									69	69	94	96
24/ 23		.1	1.2	.6																											30	30	68	86
22/ 21		.1	1.0	.3																											21	21	30	55
20/ 19		.1	1.1	.1																											20	20	22	77
18/ 17		.2	.9	.1																											18	18	28	52
16/ 15		.4	.2	.1																											13	13	18	40
14/ 13		.1	.2	.1																											8	8	13	33
12/ 11		.1	.2																												5	5	6	24
10/ 9		.1	.2																												8	8	5	19
8/ 7		.1	.1																												2	2	7	13
6/ 5			.1																												1	1	1	11
4/ 3			.1																												1	1	2	2
2/ 1	.1		.1																												3	3	2	2
0/ -1	.1																														1	1	2	7

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 54-72 FEB

PAGE 2 1200-1400

WET BULB TEMPERATURE DEPRESSION F

F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31	TOTAL Dry B.	TOTAL Wet B.	TOTAL Dew P.
-2/ -3																																		5
-4/ -5																																		4
-6/ -7																																		4
-8/ -9																																		1
-10/-11																																		1
TOTAL	9	243	530	112	9	3	4		5		2																					1468		1465
																																1465	1465	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	8780004	1111444	76.1	13.368	1460							
Dry Bulb	2088747	301113	20.6	9.407	1460	.1	27.0					84
Wet Bulb	1750974	249054	17.1	8.848	1460	.1	30.9					84
Dew Point	1386241	198301	13.6	10.231	1460	1.3	50.2					84

SAPETAC Form 0-265 (A)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24056 SEMBACH AB GERMANY 54-72 FEB

PAGE 1 1500-1700

DB / WB	WET BULB TEMPERATURE DEPRESSION °F (1 2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31+)	TOTAL DB	TOTAL WB	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67	.1	1	1		
66/ 65	.1 .1	2	2		
64/ 63	.1	1	1		
62/ 61	.3 .1	6	6		
60/ 59	.2 .4 .1	11	11		
58/ 57	.1 .4 .7 .1	20	20	1	
56/ 55	.1 .3 .3 .3	14	14	1	
54/ 53	.1 .3 .7 .7	26	26	15	
52/ 51	.1 .3 .7 .7 .1 .1	27	27	18	4
50/ 49	.1 1.4 .3 .3 .1	36	36	25	9
48/ 47	1.0 1.7 1.6 .6	71	71	36	18
46/ 45	.1 2.1 2.1 1.3 .3 .1	89	89	61	21
44/ 43	.1 2.9 2.9 2.0 .4	122	122	70	52
42/ 41	.2 2.3 3.0 1.4 .4	117	117	120	65
40/ 39	.4 2.7 2.6 1.2 .3	106	106	113	107
38/ 37	.3 3.1 2.7 1.7	115	115	127	75
36/ 35	1.1 4.0 3.1 1.4 .1	142	143	130	119
34/ 33	1.2 2.6 3.3 1.0 .1	119	119	130	127
32/ 31	.5 2.8 2.3 1.1	99	99	126	119
30/ 29	.9 2.3 2.6 .4	94	94	125	103
28/ 27	1.1 3.3 1.6	88	88	112	114
26/ 25	.3 2.3 1.6	57	57	89	93
24/ 23	.3 .4 .3	14	14	63	92
22/ 21	.4 .3	16	16	11	78
20/ 19	.1 1.0 .1	17	17	20	63
18/ 17	.1 1.2 .1	22	22	25	42
16/ 15	.5 .2	11	11	14	42
14/ 13	.2 .1	5	5	10	21
12/ 11	.3	5	5	10	28
10/ 9	.2	3	3	1	22
8/ 7	.1	2	2	4	16
6/ 5	.1	1	1	2	7
4/ 3					8
2/ 1	.1 .1	1	1	1	2

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) 80-84

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 FEB

PAGE 2 1500-1700

WET BULB TEMPERATURE DEPRESSION °F

T	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB WB	TOTAL Wet B.	TOTAL Dew P.
0/-1																				2
-2/-3																				7
-4/-5																				2
-6/-7																				2
-8/-9																				1
-10/-11																				1
TOTAL	6	837	333	716	1	5.0	.8	.3	.1									1462	1463	1462

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8255329	107809	73.8	16.181	1460							
Dry Bulb	2184397	34405	37.2	9.472	1460		39.1	.1				84
Wet Bulb	1808877	40877	34.1	8.870	1460		35.8					84
Dew Point	1392038	42882	29.2	10.059	1460	.9	49.7					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY (STATION NAME) 54-08,70 (YEARS) FEB (MONTH)

PAGE 1 1800-2000

TEMP °F / °C	WET BULB TEMPERATURE DEPRESSION (F) 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL DB	TOTAL WB	TOTAL Dew Point	
64/ 63									.1				.1																			1	1		
62/ 61								.1	.2																							1	1		
60/ 59						.1	.2																									3	3		
58/ 57						.1																										1	1		
56/ 55		.1	.2	.2	.2	.2	.1																									9	9		
54/ 53		.2	.2	.2	.2	.2																										11	11	4	
52/ 51		.3	.7	.7	.1	.1																										26	26	9	1
50/ 49		.4	.9	.7																												26	26	14	6
48/ 47		.6	1.4	.6	.1																											35	35	16	14
46/ 45	.2	3.3	1.0	1.1	.2																											73	73	31	10
44/ 43	.3	3.1	1.4	1.0	.1																											76	76	71	39
42/ 41	.7	3.1	1.6	.5																												75	75	73	66
40/ 39	.7	3.5	2.3	.5																												90	90	92	80
38/ 37	1.3	4.9	2.3	.5																												114	114	103	86
36/ 35	1.1	5.1	2.3	.7																												117	117	103	90
34/ 33	.9	3.5	2.8	.4																												98	98	110	100
32/ 31	1.1	5.6	2.5	.9																												129	129	100	107
30/ 29	.9	4.8	1.7	.2																												97	97	140	79
28/ 27	1.5	2.6	1.7	.6																												82	82	101	102
26/ 25	.7	3.1	1.1	.1																												62	62	72	95
24/ 23	1.0	2.0	.4																													44	44	72	79
22/ 21	.1	1.1	.2																													17	17	48	64
20/ 19	.1	.3	.1																													6	6	13	45
18/ 17	.2	1.3																														18	18	11	45
16/ 15	.4	1.2																														20	20	29	40
14/ 13	.2	.9	.1																													15	15	20	20
12/ 11	.4	.8																														15	15	13	18
10/ 9	.2	.2																														5	5	10	22
8/ 7	.2	.2																														4	4	7	28
6/ 5		.1																														1	1	1	12
4/ 3																																			11
2/ 1		.1																														1	1		4
0/ -1		.1																														1	1	2	3
-2/ -3		.1																														1	1	1	2

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68,72 FEB

PAGE 2 1800-2000

WET BULB TEMPERATURE DEPRESSION F

-4/ -5						3
-6/ -7						2
-10/-11						2
TOTAL	12.0 32.6 24.9 9.3 1.0 .2 .1	1275	1275	1275	1275	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8141306	100548	78.9	12.899	1275							
Dry Bulb	1638912	44114	34.6	9.401	1275	.1	36.2					84
Wet Bulb	1438040	41302	32.4	8.865	1275	.2	41.4					84
Dew Point	1166865	36237	28.4	10.369	1275	.8	51.6					84

(Mean No. of Hours with Temperature: columns ≤ 0 F through Total)

USAFETAC FORM 0-26-5 (OL A)

1 DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 56-68 FEB

°F	WET BULB TEMPERATURE DEPRESSION °F																													TOTAL		TOTAL	
	0	1-2	3	4	5	6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	DB	WB	Wet B	Dew P
58/ 57						.1	.2																							3	3		
56/ 55				.2		.2																								4	4		
54/ 53						.2			.2																					5	5	1	
52/ 51			.5	.5		.3																								16	16	2	
50/ 49			.5	1.0		.3	.2																							26	26	15	2
48/ 47			.3	1.0		.6																								25	25	13	12
46/ 45			2.0	.5		.2																								33	33	24	1
44/ 43		.4	3.9	1.3		.2	.1																							74	74	60	25
42/ 41		.4	4.3	.8		.4	.1																							76	76	76	49
40/ 39		.6	4.2	1.8		.2																								88	88	80	81
38/ 37		1.6	4.9	1.3																										98	98	90	94
36/ 35		1.7	5.4	1.2		.2																								110	110	114	83
34/ 33		1.7	4.3	1.4		.1																								96	96	108	111
32/ 31		1.7	4.1	2.7		.2																								109	109	96	84
30/ 29		1.3	7.3	1.0		.3																								126	126	111	99
28/ 27		2.4	4.9	1.0		.2																								107	107	139	99
26/ 25		1.4	3.3	.6		.3																								71	71	79	101
24/ 23		.5	2.4	.6		.1																								44	44	68	85
22/ 21		.7	1.7	.2																										33	33	39	56
20/ 19		.6	1.0																											21	21	39	54
18/ 17		.4	.7																											14	14	20	42
16/ 15		.6	1.2																											21	21	19	40
14/ 13		.3	.9																											16	16	19	22
12/ 11		.3	.6																											12	12	14	14
10/ 9		1.0	.6																											20	20	20	19
8/ 7		.6	.1																											8	8	11	31
6/ 5		.2	.2																											5	5	4	19
4/ 3		.1	.1																											2	2	3	17
2/ 1			.1																											1	1	2	7
0/ -1		.1																												1	1	1	2
-2/ -3			.1																											1	1	1	3
-4/ -5			.2																											2	2		
-6/ -7																																2	2
-8/ -9																																	5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68 FEB

PAGE 2 2100-2300

WET BULB TEMPERATURE DEPRESSION (F)

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	TOTAL DB WB	TOTAL Wet B. Dew P.
-12/-13																																		1
-16/-17																																		1
TOTAL	18,659,516.9	4.2	.6	.2																													1270	1270
																																	1270	1270

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	8805753	104673	82.4	11.865	1270							
Dry Bulb	1469370	41402	32.6	9.711	1270	.3	40.7					84
Wet Bulb	1321301	39201	30.9	9.207	1270	.3	48.4					84
Dew Point	1109113	35068	27.6	10.902	1270	.9	58.1					84

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68 YEARS MAR

 0000-0200

°F	WET BULB TEMPERATURE DEPRESSION °F																											TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	>31	D.B.	W.B.	Dry B.	Wet B. & Dew P.
62/ 61										.1																						1	1		
60/ 59						.1				.1																						3	3		
58/ 57						.1																										1	1		
56/ 55				.1			.1																									4	4		
54/ 53				.3		.1	.1																									7	7	1	
52/ 51	.1	.8		.2		.1	.4																									23	23	11	2
50/ 49		.7		1.3		.9	.1																									43	43	14	9
48/ 47	.6	2.6		1.7		.5	.1																									77	77	38	19
46/ 45	.7	3.4		1.7		.9	.1																									94	94	72	43
44/ 43	.5	2.8		2.7		.7	.3																									97	97	96	60
42/ 41	1.2	3.8		2.3		.4	.1																									108	108	92	67
40/ 39	1.9	5.4		2.8		.3																										144	144	139	101
38/ 37	1.2	6.4		3.0		.1																										147	147	151	127
36/ 35	1.0	5.3		2.4																												121	121	127	111
34/ 33	1.2	4.3		1.9		.1																										104	104	146	134
32/ 31	.4	3.4		1.3		.2																										73	73	89	141
30/ 29	.5	5.4		2.8		.1																										122	122	85	91
28/ 27	.6	3.2		.9																												64	64	115	84
26/ 25	.6	3.3		.4																												61	61	76	97
24/ 23	.9	2.0		.1		.1																										43	43	58	67
22/ 21	.4	1.5		.4																												31	31	39	74
20/ 19	.2	.6																														11	13	22	59
18/ 17	.4																															5	8	13	39
16/ 15	.1	.1																														2	4	3	32
14/ 13	.1																															2	2	2	10
12/ 11																																			10
10/ 9																																			5
8/ 7																																			6
6/ 5																																			1
TOTAL	12.7	55.0	26.1	4.3	1.4	.2																										1389		1389	
																																1389		1389	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	9437412	113628	81.7	11.219	1389							
Dry Bulb	1968025	51193	36.7	8.007	1398		28.1					93
Wet Bulb	1785603	48203	34.7	7.517	1389		33.6					93
Dew Point	1476479	43727	31.5	8.493	1389		47.9					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 MAR

 0300-0500

Temp F	WET BULB TEMPERATURE DEPRESSION F: 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	TOTAL D B	TOTAL W B	TOTAL D. P.	TOTAL Wet B + Dew P
58/ 57					.1													1	1		
56/ 55				.1	.1													2	2		
54/ 53			.1															1	1		
52/ 51	.1	.5	.2	.1	.2													17	17	2	1
50/ 49		.8	.2	.3	.1													21	21	17	8
48/ 47	.1	2.4	1.1	.2														56	56	28	11
46/ 45	.8	2.7	1.1	.2	.1													71	71	55	40
44/ 43	1.0	3.9	1.4	.6	.2													104	104	95	56
42/ 41	1.3	4.0	2.2	.5														118	118	84	76
40/ 39	1.7	5.2	2.0	.2														134	134	132	78
38/ 37	1.5	5.5	2.5															140	140	132	120
36/ 35	2.1	6.7	1.6															154	154	154	140
34/ 33	2.2	5.8	1.9	.1														147	148	164	136
32/ 31	.5	3.9	.8															78	79	122	133
30/ 29	1.2	5.1	1.6															116	119	94	127
28/ 27	1.2	4.5	.8	.1														96	97	113	92
26/ 25	.5	3.3	.3															61	61	88	102
24/ 23	1.2	2.4	.4															59	59	69	74
22/ 21	.7	1.3																30	30	47	74
20/ 19	1.1	1.1																22	22	37	68
18/ 17	.5	.7																10	10	23	54
16/ 15	.2	.1																5	6	8	30
14/ 13	.2																	3	3	5	21
12/ 11	.1																	2	2	2	10
10/ 9	.1	.1																3	3	2	6
8/ 7																				1	12
4/ 3																					1
TOTAL	18.4	60.1	18.2	2.4	.7														1477		1470
																		1470		1470	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10616860	133978	84.2	10.670	1470							
Dry Bulb	1913613	21059	39.1	7.941	1477		32.0					93
Wet Bulb	1736705	49209	33.5	7.484	1470		38.7					93
Dew Point	1495280	43108	30.7	8.361	1470		50.9					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24056 SEMBACH AB GERMANY 54-72 MAR

PAGE 1 0600-0800

T F	WET BULB TEMPERATURE DEPRESSION F 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	TOTAL	TOTAL		
66/ 65													.1																						1	1		
58/ 55									.1																										2	2		
54/ 53						.1			.1																										2	2	1	
52/ 51			.2		.2	.1																													10	10		
50/ 49		.1	.9		.2	.2			.1																										25	25	11	2
48/ 47		.2	2.2		.4	.2			.1																										49	49	30	23
46/ 45		.9	2.7		.9	.5																													82	82	61	43
44/ 43		1.4	3.8		.9	.1																													101	101	76	64
42/ 41		.8	4.5		1.7	.3																													119	120	105	74
40/ 39		1.3	5.2		2.3	.2																													147	147	131	78
38/ 37		1.7	4.8		2.2	.1		.1																											144	146	138	131
36/ 35		1.9	5.9		1.4																														148	148	175	122
34/ 33		2.2	6.7		1.9																														173	174	158	169
32/ 31		1.5	5.4		.7	.1																													126	128	147	154
30/ 29		1.9	4.4		.6																														111	112	140	142
28/ 27		1.4	4.4		.9																														109	111	109	124
26/ 25		1.0	4.3		.1																														88	90	100	108
24/ 23		1.0	2.0		.2																														53	53	88	71
22/ 21		1.0	1.5		.1																														43	43	48	80
20/ 19		1.0	.8		.1																														31	32	42	72
18/ 17		.5	.9																																23	23	19	60
16/ 15		1.0	.4																																22	23	28	37
14/ 13		.1	.1																																3	4	7	29
12/ 11		.1	.1																																4	4	3	14
10/ 9		.2	.1																																5	5	6	7
8/ 7																																					1	8
6/ 5																																						7
4/ 3																																						1
0/ -1																																						1
TOTAL	21.	61.	212.	1.	1.	9	.4					.1																							1038			1621
																																			1621		1621	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	12025514	1388886	85.6	9.968	1621							
Dry Bulb	2041808	86827	54.4	8.111	1638		38.7					93
Wet Bulb	1861439	83861	53.0	7.788	1621		48.2					93
Dew Point	1621819	49516	30.4	8.683	1621	.1	52.5					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 54-72 MAR

PAGE 1 0900-1100

F	WET BULB TEMPERATURE DEPRESSION F																											TOTAL DB	TOTAL WB	TOTAL Wet Bulb Dew Point	TOTAL Dew Point
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+31				
66/ 65													.1																				1	1		
64/ 63													.1	.1																			2	2		
62/ 61									.2	.1																							5	5		
60/ 59							.1	.1	.2		.1																						8	8		
58/ 57							.1	.4	.2																								12	12		
56/ 55					.2		.4	.2	.2																								19	19	1	
54/ 53			.1		.5		.9	.4	.1																								33	33	7	
52/ 51			.6		.7		.6	.5																									29	29	12	1
50/ 49			1.7		1.0		1.2	.4																									71	71	41	9
48/ 47		.4	3.1		1.8		1.5	.4																									118	118	82	35
46/ 45		.4	3.3		2.4		1.0	.2	.1																								120	120	111	57
44/ 43		.7	3.9		2.6		.7	.2	.1																								135	135	125	97
42/ 41		.6	3.4		3.7		1.5	.1																									152	152	137	98
40/ 39		.7	4.1		3.3		.9	.2																									149	149	136	123
38/ 37		.4	4.4		2.1		.6	.3																									128	129	159	135
36/ 35		.2	4.0		3.1		.6	.1																									135	135	139	147
34/ 33		.7	3.7		2.4		.4																										118	120	127	134
32/ 31		.4	2.9		1.7		.2																										89	89	127	147
30/ 29		.6	3.7		1.7		.1																										99	99	109	107
28/ 27		.2	2.9		1.2																												72	72	101	113
26/ 25		.6	2.3		.4																												52	52	87	97
24/ 23		.2	1.0		.2																												28	28	49	89
22/ 21		.2	.9		.2																												22	22	17	57
20/ 19		.2	.4																														10	10	28	70
18/ 17		.1	.3		.1																												8	8	12	51
16/ 15		.1	.2																														4	4	7	27
14/ 13		.1	.1																														2	2	2	10
12/ 11		.1																															1	1	2	12
10/ 9		.1																															1	1	1	9
8/ 7																																				6
4/ 3																																				3
TOTAL		7.8	40.8		29.4		11.0	3.9	1.0	.3	.1																						1034	1037	1034	1034

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10174281	127179	77.8	12.990	1634							
Dry Bulb	2880000	83400	38.8	8.861	1637		22.0					93
Wet Bulb	2226448	58936	36.1	7.778	1634		30.4					93
Dew Point	1808348	52666	32.1	8.711	1634		48.4					93

USAFETAC FORM 0-26-5 (OL-A) 8-68 SUPERSEDES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

24036 SEMBACH AB GERMANY (STATION NAME) 56-72 (YEARS) MAR (MONTH)

PAGE 1 1200-1400

°F	WET BULB TEMPERATURE DEPRESSION °F																											TOTAL D.B.	TOTAL W.B.	TOTAL Wet Bulb	TOTAL Dew Point
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31				
72/ 71																		.1	.1													2	2		
70/ 69																	.1	.1														2	2		
68/ 67														.1			.1															3	3		
66/ 65									.2		.1		.2																			8	8		
64/ 63							.1		.4		.4		.1		.1																	18	18		
62/ 61						.1		.1		.4		.6		.1																		22	22		
60/ 59						.1		.8		.6		.4		.1																		30	30		
58/ 57						.6		1.3		1.0		.3																				53	53	2	
56/ 55			.1		.2	.5		1.3		.7		.1																				47	47	7	
54/ 53			.1		.9	1.1		1.3		.4		.1																				66	66	18	
52/ 51			.7		1.7	2.3		1.2		.6		.1		.1																		109	109	54	4
50/ 49			1.3		1.7	2.3		1.0		.6		.1																				120	120	85	11
48/ 47		.2	2.0		2.0	2.7		1.3		.6																						148	148	128	46
46/ 45		.2	2.9		2.2	2.6		1.4		.2																						158	158	152	70
44/ 43		.1	1.2		2.3	2.7		1.0		.6		.1																				129	129	139	104
42/ 41			2.4		2.4	2.1		.7		.2																						126	126	128	108
40/ 39		.1	1.7		2.8	1.7		.9		.1																						117	117	158	127
38/ 37		.2	1.3		2.3	1.3		.6																								95	93	140	169
36/ 35		.1	1.7		1.6	1.4		.3																								83	83	136	128
34/ 33		.2	1.7		2.7	1.2		.1																								96	96	98	115
32/ 31		.4	2.2		1.7	.6																										80	80	110	127
30/ 29		.3	1.3		1.7	.2																										67	67	119	124
28/ 27		.2	1.0		.7	.1																										33	33	71	114
26/ 25		.1	.2		.1																											7	7	63	96
24/ 23			.4																													6	6	15	75
22/ 21			.2																													3	3	8	62
20/ 19			.1		.1																											2	2	1	41
18/ 17			.1																													1	1	2	46
16/ 15																																		1	26
14/ 13																																			21
12/ 11																																			11
10/ 9																																			5
8/ 7																																			3
6/ 5																																			1

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 24-72 MAR

PAGE 2 1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 > 31	TOTAL D.B. W.B. Dry Bulb	TOTAL Wet Bulb & Dew Point
TOTAL	2,223,227,123,913,8 6.6 2.1 .6 .3 .1 .1	1630 1630	1630 1630

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	77787166	109832	67.4	18.609	1630							
Dry Bulb	3241906	71222	43.7	8.930	1630		11.4	.4				93
Wet Bulb	2872298	63891	39.2	7.492	1630		21.3					93
Dew Point	1882299	53517	32.8	8.769	1630		48.0					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 24-72 MAR

WET BULB TEMPERATURE DEPRESSION F

F		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOTAL DB	TOTAL WB	TOTAL Wet B	TOTAL Dew P
74/	73																		.1																		1	1		
72/	71																.1			.1																	2	2		
70/	69												.1		.1				.1																		4	4		
68/	67											.1	.1		.1		.2																				8	8		
66/	65											.3	.1		.2		.2																				14	14		
64/	63											.3	.3		.4		.2																				24	24		
62/	61						.1		.3		.7		.6		.6		.1																				39	39		
60/	59				.1		.1		.7		.7		.3		.2																						39	39		
58/	57				.2		.7		1.3		1.0		.3		.1																						59	59	3	
56/	55				.1		.4		1.4		1.2		.7		.1																						64	64	15	
54/	53				.2		1.2		1.4		.7		.2																								61	61	30	1
52/	51			.3		1.3		2.3		2.0		.7		.2		.1																					119	119	56	6
50/	49		1.3		2.2		2.1		1.6		.9																										135	135	90	15
48/	47	.1	1.4		2.0		2.2		2.3		1.0																										148	148	140	38
46/	45	.4	2.1		1.9		2.1		1.6		.9		.1																								152	152	139	70
44/	43		1.3		1.9		1.3		1.8		.8		.2																								127	127	145	100
42/	41		1.8		3.0		2.1		.7		.4																										131	131	139	119
40/	39	.1	1.4		2.7		1.4		1.2		.1																										111	111	140	111
38/	37	.1	1.1		1.6		1.3		.9																												86	86	145	138
36/	35	.1	1.6		2.3		1.3		.3																												91	91	130	164
34/	33	.4	1.0		2.6		.9		.1																												81	81	103	128
32/	31	.3	1.4		1.9		.3																														68	68	113	127
30/	29	.2	1.1		1.2		.2																														45	45	109	103
28/	27	.3	.4		.3																																17	17	65	111
26/	25	.1	.2		.1																																6	6	25	97
24/	23		.1		.2																																4	4	11	86
22/	21		.1		.1																																3	3	3	67
20/	19		.1		.1																																3	3	1	58
18/	17																																						3	41
16/	15																																							26
14/	13																																							19
12/	11																																							8
10/	9																																							9
8/	7																																							1

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0265 (OL-A) JUL 64 USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 54-72 MAR

 1500-1700

WET BULB TEMPERATURE DEPRESSION F

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	+	TOTAL DB WB	TOTAL Wet B + Dew P
TOTAL	2.3	17.2	26.0	20.4	17.8	9.7	3.8	1.9	.8	.1	.1																					1643 1643	1643 1643

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	7181981	105119	64.0	16.663	1648							
Dry Bulb	3472808	76041	48.1	9.120	1648		8.3	.9	.1			93
Wet Bulb	2077473	68208	39.7	7.393	1648		18.8					93
Dew Point	1804390	59760	32.7	8.742	1648		42.0					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-69,72 MAR

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Temp. (F)	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	Total D.B.	W.B.	Total Wet B.	Dew P.
68/ 67								.1	.1	3	3		
66/ 65							.1	.1		2	2		
64/ 63						.1	.2	.1		6	6		
62/ 61				.1	.1	.4	.1			10	10		
60/ 59				.1	.4	.4	.2			16	16		
58/ 57			.2	.3	.8	.6	.1	.1		28	28		
56/ 55		.1	.4	.9	.7	.5	.1			39	39	2	
54/ 53		.1	.1	1.8	1.3	.4	.1			54	54	17	
52/ 51		.2	1.4	2.1	.4	.3	.1			62	62	29	3
50/ 49	.1	1.2	2.0	2.4	.6	.4	.1			94	94	44	12
48/ 47	.5	2.7	2.7	1.9	.7	.3				124	124	100	32
46/ 45	.6	3.1	3.4	2.7	.5	.1				145	145	140	59
44/ 43	.4	2.6	2.4	1.9	.9	.1				118	118	124	103
42/ 41	.1	2.4	3.8	2.1	.5					126	126	132	100
40/ 39	.2	1.8	3.8	1.8	.4					112	112	123	103
38/ 37	.1	1.3	2.7	1.3	.9					88	88	125	118
36/ 35	.5	2.1	3.0	1.2	.1					96	96	121	116
34/ 33	.2	1.6	1.8	1.0						65	65	91	118
32/ 31	.3	1.8	2.1	.4						63	63	90	104
30/ 29	.7	2.4	2.0	.4						77	77	104	98
28/ 27	.4	1.5	1.3	.1						45	45	66	93
26/ 25	.4	.6	.2							17	17	37	76
24/ 23	.1	.4								7	7	24	83
22/ 21		.3								6	6	9	43
20/ 19												1	48
18/ 17													32
16/ 15													14
14/ 13													15
12/ 11													6
10/ 9													5
TOTAL	4.0	26.2	33.4	22.5	8.3	3.4	1.1	.4	.1		1399		1399
										1399		1399	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	7305304	99020	70.8	14.570	1399							
Dry Bulb	2591051	59097	42.2	8.444	1399		14.2	.2				93
Wet Bulb	2123886	53524	38.3	7.379	1399		23.2					93
Dew Point	1616455	45997	32.9	8.639	1399		42.2					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68 MAR

PAGE 1 2100-2300

F	WET BULB TEMPERATURE DEPRESSION F																											TOTAL	TOTAL		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
60/ 59							.1																					1	1		
58/ 57							.2		.1		.4																	9	9		
56/ 55					.2				.2		.2																	9	9		
54/ 53				.4	.3		.4		.4		.1																	21	21	1	
52/ 51				.6	.9		1.2		.5																			45	45	15	2
50/ 49				.9	2.2		1.5		.3		.1																	70	70	17	11
48/ 47		.3	2.1	2.3		.8		.4																				81	81	53	29
46/ 45		1.1	3.8	2.2		1.5		.3		.1																		125	125	112	39
44/ 43		.6	3.7	3.6		.9		.2																				125	125	126	73
42/ 41		.9	4.0	4.1		.7																						135	135	114	98
40/ 39		.3	4.5	4.6		1.1		.1																				147	147	133	113
38/ 37		.1	3.2	3.2		.5																						99	99	147	110
36/ 35		.8	3.8	2.9		.5																						111	111	131	125
34/ 33		.4	3.0	3.0		.3																						94	94	112	123
32/ 31		.1	2.7	2.9		.2																						81	81	76	120
30/ 29		.4	4.0	2.2		.2																						96	96	110	92
28/ 27		.4	3.0	.6																								55	55	98	88
26/ 25		.6	1.9	.9																								46	46	62	90
24/ 23		.3	1.2	.4																								26	26	44	82
22/ 21		.2	.6	.1																								13	13	26	64
20/ 19		.1	.1																									2	2	13	50
18/ 17		.2																										3	3	4	25
16/ 15																													1		18
14/ 13																															20
12/ 11																															3
10/ 9																															8
8/ 5																															1
TOTAL		6.7	43.6	36.5	1.0	9.0	2.4	.8																				1394	1395		1394

Element X	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	8013246	108294	77.7	11.982	1394							
Dry Bulb	2193850	34230	38.9	7.840	1395		21.5					93
Wet Bulb	1902138	30476	36.2	7.310	1394		28.9					93
Dew Point	1849712	44909	32.2	8.433	1394		44.8					93

USAFETAC Form 0-26-5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 56-68 APR

	WET BULB TEMPERATURE DEPRESSION F							TOTAL		TOTAL	
66/ 65							.1	1	1		
64/ 63						.1		1	1		
62/ 61					.1	.3	.1	8	8		
60/ 59			.1		.5	.7		18	18		
58/ 57				.1	.9	.3	.1	19	19	2	1
56/ 55		.1	.1	.8	.5	.4		27	27	3	1
54/ 53			.8	1.2	.6	.3	.1	40	40	23	1
52/ 51		.3	2.4	1.1	.7	.4	.1	69	69	50	17
50/ 49		.4	3.6	1.7	1.3	.3		98	98	78	41
48/ 47		1.3	4.7	3.2	1.9	.7		168	168	98	93
46/ 45		1.0	3.9	3.7	2.4	.1		151	151	122	100
44/ 43		.7	4.1	1.8	.9	.1		103	103	150	111
42/ 41		.3	4.5	2.5	1.5	.1		120	120	143	85
40/ 39	1.0	5.0	4.0	.8				145	145	126	124
38/ 37	1.8	4.6	2.4	.3				122	122	158	132
36/ 35	.7	3.9	1.4	.4				87	87	129	134
34/ 33	1.5	2.7	1.9	.1				84	84	103	141
32/ 31	.3	2.4	.8					44	44	73	122
30/ 29	.4	1.4	.5					32	32	56	86
28/ 27	.1	.7						11	11	20	69
26/ 25	.1							2	2	16	33
24/ 23											26
22/ 21											22
20/ 19											9
18/ 17											2
TOTAL	10.0	45.0	27.6	13.0	3.7	.4	.1		1350		1350
								1350		1350	

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	> 32 F	> 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8998586	108958	80.7	12.316	1350							
Dry Bulb	2560864	58014	43.0	7.064	1350		8.9					90
Wet Bulb	2253981	54469	40.3	6.460	1350		11.0					90
Dew Point	1933767	50168	37.2	7.187	1350		24.6					90

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

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 APR

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WET BULB TEMPERATURE DEPRESSION (F)

60/ 59					.2	.1		5	5		
58/ 57			.2	.1	.1			6	6		
56/ 55		.1	.1	.9	.2			20	20		
54/ 53	.1	.5	1.5	.6			.1	38	38	6	
52/ 51	.2	2.2	1.3	.4	.1			60	60	33	10
50/ 49	.4	2.9	1.1	.6	.1			73	73	83	42
48/ 47	1.0	4.9	1.8	.7	.2			123	123	85	69
46/ 45	1.1	5.5	2.1	.8				136	136	116	101
44/ 43	1.3	4.0	2.8	.8				126	126	125	109
42/ 41	.8	4.6	2.7	.6				123	123	115	99
40/ 39	1.7	6.8	3.7	.1	.1			176	176	154	111
38/ 37	1.5	6.2	3.2	.3				161	162	182	137
36/ 35	1.8	4.3	.7	.1				97	97	164	154
34/ 33	1.4	4.4	.8					94	95	106	156
32/ 31	1.1	4.1	.6					83	83	96	140
30/ 29	.8	2.7	.4					55	55	81	99
28/ 27	.5	1.5	.3					32	32	44	89
26/ 25	.1	.6	.1					12	12	24	35
24/ 23	.1	.1						4	4	8	31
22/ 21										2	18
20/ 19											18
18/ 17											3
16/ 15											3
TOTAL	13.9	55.7	23.3	5.8	1.1	.1	.1		1426		1424
								1424		1424	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	10318803	120285	84.5	10.549	1424							
Dry Bulb	2449958	58270	40.9	6.953	1426		11.7					90
Wet Bulb	2214139	55375	38.9	6.535	1424		16.1					90
Dew Point	1955295	51772	36.4	7.160	1424		27.6					90

USAFETAC FORM 0-26-5 (OL A)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 54-72 APR

	WET BULB TEMPERATURE DEPRESSION F							TOTAL		TOTAL	
	1	2	3	4	5	6	7				
64/ 63					.1			2	2		
62/ 61			.1		.1			3	3		
60/ 59				.1	.1			2	2		
58/ 57			.2	.2	.3			10	10	1	
56/ 55		.1	.3	.6	.2			18	18	3	
54/ 53	.1	.6	1.3	.4	.1	.1	.1	39	39	10	1
52/ 51	.6	2.5	1.3	.4	.1			77	77	45	17
50/ 49	.6	3.7	1.3	.8	.2			103	103	92	56
48/ 47	.6	4.3	2.7	.8	.1			134	134	86	84
46/ 45	.6	5.2	1.6	.8				141	141	129	99
44/ 43	1.1	4.9	3.0	.7	.1			156	156	161	119
42/ 41	1.1	5.0	2.3	.4				142	142	137	118
40/ 39	.8	6.3	2.8	.3	.1			168	169	152	136
38/ 37	1.7	5.9	2.9	.1	.1			169	171	193	134
36/ 35	1.6	5.1	1.1	.1				126	126	179	168
34/ 33	1.3	4.7	1.3					122	122	130	189
32/ 31	1.2	2.9	.4					72	73	117	143
30/ 29	.4	2.8	.4					58	58	70	116
28/ 27	.6	1.1	.1					28	28	55	84
26/ 25	.1	.3						9	9	16	50
24/ 23		.2						3	3	7	30
22/ 21										3	19
20/ 19											12
18/ 17											7
TOTAL	12.6	56.6	23.4	5.8	1.5	.1	.1	1582		1588	1582

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	11393910	133246	84.2	10.403	1582							
Dry Bulb	2771202	65417	41.2	6.937	1588		9.7					90
Wet Bulb	2498500	61950	39.2	6.538	1582		15.2					90
Dew Point	2202794	57944	36.6	7.135	1582		26.2					90

USAFETAC FORM 0-26-5 (OL-A) Jul 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 54-72 APR

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	WET BULB TEMPERATURE DEPRESSION F																									TOTAL	TOTAL		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
76/ 75												.1	.1	.1																	3	3		
74/ 73													.2																		3	3		
72/ 71												.1	.1	.1																	6	6		
70/ 69										.1		.2	.1																		6	6		
68/ 67										.3		.1	.2																		8	8		
66/ 65								.1		.3		.3	.1																		12	12		
64/ 63								.4		.5		.4		.1																	22	22	1	
62/ 61						.4		.4		.8		.4	.1	.1																	34	34	2	
60/ 59					.2	.6		.6		.7		.6	.1																		44	44	9	
58/ 57					.4	.4		1.2		1.1		.2	.1	.1																	57	57	19	
56/ 55			.2	1.1	1.6	1.3		.8		.1		.1																			83	83	29	1
54/ 53		.2	.9	1.7	1.9	1.4		.5		.1																					105	105	50	5
52/ 51		.2	3.2	2.1	2.6	2.0		.2		.1																					163	163	87	46
50/ 49		.6	2.6	2.9	1.6	1.3		.2																							146	147	144	74
48/ 47		.4	3.0	3.0	2.3	1.3		.1																							161	161	188	91
46/ 45		.3	2.9	2.5	2.0	.5		.1																							130	130	182	118
44/ 43		.2	3.0	2.8	1.6	.8		.1																							133	133	141	151
42/ 41		.3	2.5	3.4	1.8	.5																									134	134	164	152
40/ 39		.4	2.6	3.8	1.3	.6																									138	138	139	127
38/ 37		.6	2.7	1.6	.7																										88	88	144	140
36/ 35		.1	2.0	1.5	.3																										62	62	131	195
34/ 33		.2	.6	.9																											27	27	84	136
32/ 31			.5	.1																											10	10	49	115
30/ 29		.1	.3	.1																											6	6	19	72
28/ 27				.1																											1	1	5	50
26/ 25																																	1	42
24/ 23																																		35
22/ 21																																		22
20/ 19																																		9
18/ 17																																		1
TOTAL	3.5	27.0	28.1	19.3	12.3	5.7	2.7	1.1	.4																						1582	1583		1582
																															1582		1582	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	8467907	113212	71.6	15.210	1582							
Dry Bulb	3668172	75170	47.5	7.897	1583		1.0	1.5	.3			90
Wet Bulb	2999570	68128	43.1	6.448	1582		4.2					90
Dew Point	2385905	60347	38.1	7.285	1582		19.7					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 APR

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WET BULB TEMPERATURE DEPRESSION F

F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL DB	TOTAL WB	Wet B + Dew P	
82/ 81																			.1	.1											2	2		
80/ 79																	.1			.2											4	4		
78/ 77															.2	.3	.1														8	8		
76/ 75															.1	.1	.1														4	4		
74/ 73															.2	.1	.3	.1			.1										13	13		
72/ 71										.1	.3			.2	.1																9	9		
70/ 69										.2	.6			.6	.1																24	24		
68/ 67								.1		.3	.3			.7	.3	.1				.1											30	30		
66/ 65						.1		.2		.4	1.2			.9	.1	.2															49	49		
64/ 63								.3		.9	.9			.8	.3																56	56	7	
62/ 61						.2		.8		1.1	.9			.8	.2																61	61	9	
60/ 59				.1		.5		1.1		1.7	1.0			.3	.2	.1															79	79	17	
58/ 57				.6		1.1		1.5		2.0	1.3			.2	.1																109	109	33	1
56/ 55			.3	1.1		2.0		2.5		2.3	.4			.2																	140	140	48	5
54/ 53			1.1	1.7		1.3		1.5		1.6	.3																				118	118	93	7
52/ 51	.2		1.5	2.5		1.5		2.2		1.1	.3			.1																	150	150	144	51
50/ 49	.1		1.1	1.8		2.2		2.3		.6	.3																				131	131	172	86
48/ 47	.2		1.4	2.2		2.2		1.5		.6																					128	128	180	81
46/ 45	.1		1.1	1.5		3.1		1.4		.7																					124	124	177	133
44/ 43	.2		1.5	1.3		1.8		1.6		.3																					109	109	159	190
42/ 41	.1		1.1	2.4		2.2		.9		.1																					107	107	135	121
40/ 39	.3		1.6	2.0		.6		.2																							73	73	131	140
38/ 37			.8	.4		.6																									28	28	125	141
36/ 35	.1		.6	.2		.2																									17	17	112	161
34/ 33	.1		.3	.1																											6	6	28	137
32/ 31	.1		.1																												2	2	19	125
30/ 29																																	3	81
28/ 27																																		52
26/ 25																																		46
24/ 23																																		41
22/ 21																																		26
20/ 19																																		10
18/ 17																																		4
16/ 15																																		1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 APR

WET BULB TEMPERATURE DEPRESSION °F

T	1	2	3	4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	>31	TOTAL OBS WB	TOTAL Wet B	TOTAL
14/ 13																															1
TOTAL	1.4	12.3	18.3	19.5	18.0	14.1	7.7	5.2	2.0	.8	.4		.1															1581	1581	1581	1581

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6390418	96826	61.2	17.071	1581							
Dry Bulb	4889098	82150	52.0	8.732	1581		.1	5.4	1.8	.2		90
Wet Bulb	3300901	71518	45.2	6.471	1581		1.3					90
Dew Point	2374021	60029	38.0	7.714	1581		22.0					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 APR

Temp °F	WET BULB TEMPERATURE DEPRESSION °F 0	1-2	3	4	5-6	7	8	9	10	11	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30-31	32+	TOTAL DB	TOTAL WB	TOTAL Wet B	TOTAL Dew P
84/ 83																.1						1	1		
82/ 81															.1	.1						2	2		
80/ 79												.1	.1	.1	.3							7	7		
78/ 77												.1	.1	.1	.3							7	7		
76/ 75												.3		.3	.1							10	10		
74/ 73									.1	.2	.3	.2	.1			.1						15	15		
72/ 71										.1	.2	.4				.1						14	14		
70/ 69									.1	.6	.4	.8	.1	.3								34	34		
68/ 67							.1		.3	.4	1.1	.8	.4	.1	.1							52	52		
66/ 65									.4	1.0	1.4	.4	.1	.1								52	52	2	
64/ 63							.2		.9	.8	.9	.6										56	56	5	
62/ 61					.2		.9		.9	1.3	.6	.1										70	70	15	
60/ 59				.3	.8	1.0	2.1		1.7	.8	.1											108	108	15	
58/ 57			.1	.4	.8	1.1	1.9		2.1	.5	.1											109	109	34	3
56/ 55			.3	1.4	1.5	1.7	2.5		1.1	.1												135	135	56	3
54/ 53			.9	2.5	1.5	1.9	1.8		.5													144	144	104	10
52/ 51	.1	1.2	2.2	1.1	1.3	1.2		.8	.1													129	129	140	52
50/ 49	.2	1.1	1.8	1.9	1.3	1.1		.3														121	121	196	69
48/ 47	.1	1.5	1.3	2.3	1.4	1.2		.2														128	128	198	79
46/ 45		1.3	1.5	1.6	1.8	.7		.1														111	111	188	181
44/ 43		1.1	2.1	1.1	1.4	.3																94	94	132	145
42/ 41	.1	1.4	2.0	1.2	1.1																	91	91	126	124
40/ 39	.1	1.1	1.7	.4	.2																	55	55	120	140
38/ 37	.1	.4	.4	.1																		14	14	133	137
36/ 35	.1	.7	.1																			14	14	77	159
34/ 33	.1	.4	.2																			12	12	29	145
32/ 31																								14	99
30/ 29																								1	85
28/ 27																									73
26/ 25																									47
24/ 23																									38
22/ 21																									20
20/ 19																									19
18/ 17																									7

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL-A) JUN 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 APR

PAGE 2 1500-1700

WET BULB TEMPERATURE DEPRESSION F

T	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL WB	TOTAL Wet B
TOTAL	.9	11.	41	7.	14.	5	15.	5	15.	5	11.	7	6.8	3.6	1.1	1.0	.4																1585	1585

Element X	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	> 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Total
Rel. Hum.	3949136	92732	58.5	18.184	1585							
Dry Bulb	4084186	86498	53.3	9.062	1585			8.1	2.4	.4		90
Wet Bulb	3395149	72655	45.8	6.391	1585		.9					90
Dew Point	2265402	59974	37.8	7.791	1585		22.0					90

USAFETAC FORM 0-26-5 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-08, 72 APR

PAGE 1 1800-2000

WET BULB TEMPERATURE DEPRESSION F

F	1-2	3-4	5-6	7-8	9-10	11	12-13	14	15-16	17	18	19-20	21-22	23-24	25-26	27-28	29-30	31+	TOTAL	TOTAL		
80/ 79											.1	.1							3	3		
78/ 77								.1			.1								2	2		
76/ 75								.1	.1	.1	.1								4	4		
74/ 73					.1	.1		.1	.2	.1									8	8		
72/ 71					.2			.1	.2	.1									9	9		
70/ 69					.2	.3		.2	.1										11	11		
68/ 67				.1	.3	.5		.4	.1										19	19		
66/ 65				.1	.7	.4		.5	.2										28	28		
64/ 63			.1	.5	.7	.7		.8											37	37	4	
62/ 61			.4	.5	.6	.7		.4											34	34	4	
60/ 59		.3	.4	1.0	1.2	1.1		.3	.1										60	60	14	1
58/ 57		.6	.8	1.3	1.7	1.2		.2											78	78	22	1
56/ 55	.4	1.0	1.5	1.8	2.2	1.0													107	107	48	5
54/ 53	1.0	1.7	1.3	2.4	1.2	.6													113	113	61	7
52/ 51	.3 2.1	2.5	3.0	1.8	1.7	.2		.1											157	157	87	40
50/ 49	.4 2.7	2.6	2.2	1.6	.8	.1													141	141	136	69
48/ 47	2.4	1.8	1.5	1.5	.7	.1													108	108	185	90
46/ 45	1.7	.9	1.3	1.0	.7	.1													84	84	179	116
44/ 43	.1 1.1	2.7	1.0	1.0	.1														81	81	124	103
42/ 41	.3 2.4	2.1	1.9	.6	.1														98	98	103	103
40/ 39	.2 2.2	1.4	1.1	.8															78	78	116	125
38/ 37	.3 1.3	1.0	.2	.1															48	48	104	126
36/ 35	.4 1.1	.4	.1																28	28	95	148
34/ 33	.2 .4	.1																	10	10	97	104
32/ 31	.2																		3	3	21	86
30/ 29	.1 .1																		2	2	5	79
28/ 27																					1	53
26/ 25																						33
24/ 23																						30
22/ 21																						12
20/ 19																						12
18/ 17																						5
16/ 15																						3

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68,72 APR

PAGE 2 1800-2000

WET BULB TEMPERATURE DEPRESSION F

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	TOTAL
TOTAL	2.2	19.3	19.8	17.0	16.7	13.2	7.0	3.3	1.0	.4	.2																					1351	1351
																																1351	1351

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum.	8144881	87917	65.1	17.708	1351							
Dry Bulb	3345979	60207	80.5	8.490	1351		.2	3.7	1.1			90
Wet Bulb	2747079	60208	44.6	6.430	1351		1.8					90
Dew Point	2052324	51622	38.2	7.700	1351		20.9					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68 APR

 2100-2300

	WET BULB TEMPERATURE DEPRESSION F																											TOTAL		TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Dry B.	Wet B.	Dew P.
72/ 71										.1																		1	1		
70/ 69												.1																1	1		
68/ 67								.1		.1		.1		.1														6	6		
66/ 65								.1		.2		.4		.1														10	10		
64/ 63						.2		.1		.4		.1																10	10		
62/ 61				.1		.2		.6		.2		.1																16	16	2	
60/ 59				.1		.9		.7		.4																		28	28		
58/ 57				.2		1.0		.5		.7		.1																33	33	8	1
56/ 55			.2	1.1		.8		.4		.4																		40	40	13	2
54/ 53		.1	1.2	1.6		1.0		1.0		.3		.1																72	72	51	4
52/ 51		.3	2.1	2.0		2.1		1.6		.6																		117	117	64	21
50/ 49		.2	4.5	2.3		3.7		1.6		.1																		167	167	90	65
48/ 47		.5	4.6	3.2		2.5		1.2		.1																		163	163	130	91
46/ 45		.2	4.0	2.6		2.1		.4		.1																		128	128	159	109
44/ 43		.6	2.6	2.4		1.3		.6		.2																		103	103	179	122
42/ 41		.5	3.1	2.2		1.3		.2																				113	113	115	96
40/ 39		.8	3.6	3.0		1.2		.2																				119	119	142	145
38/ 37		.5	3.3	1.5		.7		.1																				82	82	123	122
36/ 35		.2	3.3	1.6		.9																						80	80	106	139
34/ 33		.5	1.6	.9		.1																						42	42	93	130
32/ 31		.1	.3	.1																								8	8	39	100
30/ 29			.2	.2																								6	6	23	66
28/ 27			.4																									5	5	11	53
26/ 25																														2	32
24/ 23																															19
22/ 21																															19
20/ 19																															10
18/ 17																															4
TOTAL		4.7	35.1	25.9		19.9		9.3		4.0		1.0		.1														1350			1350
																												1350		1350	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7881273	101257	75.0	14.873	1350							
Dry Bulb	2929202	62110	46.0	7.293	1350		1.3	.5				90
Wet Bulb	2469178	57102	42.3	6.320	1350		3.0					90
Dew Point	2025176	51356	38.0	7.281	1350		20.2					90

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 24-68,71 MAY

T DB F / C	WET BULB TEMPERATURE DEPRESSION F 1	2	3	4	5	6	7-8	9-10	11	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30-31	TOTAL WB	TOTAL DB	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67							.1													1	1		
66/ 65				.1	.1															2	2		
64/ 63					.4	.1														7	7		
62/ 61		.6	.3	.6	.6	.4														34	34	1	
60/ 59	.3	.9	.9	.9	.8	.2														57	57	19	8
58/ 57	.4	1.0	1.4	1.1	.6	.2	.1													66	66	31	21
56/ 55	.7	2.6	1.6	1.4	.9	.1	.1													104	104	57	26
54/ 53	1.4	4.8	2.1	1.5	.9	.2														153	154	110	75
52/ 51	.6	3.1	2.9	2.1	.8															133	136	131	84
50/ 49	.9	5.4	3.6	1.7	.1	.1														166	166	116	108
48/ 47	.4	5.7	3.9	.9																151	151	176	114
46/ 45	1.0	6.2	3.1	.9	.2															161	161	201	161
44/ 43	1.0	5.0	2.3	.8	.1															128	128	178	162
42/ 41	1.1	3.9	1.5	.4																96	96	125	158
40/ 39	1.0	2.9	.1	.1																58	58	114	168
38/ 37	.4	1.9	.1																	35	35	76	106
36/ 35	.4	1.0	.1																	21	21	27	94
34/ 33	.3	.8																		15	15	18	53
32/ 31	.1	.4																		8	8	15	30
30/ 29	.1																			1	1	2	18
28/ 27																							11
TOTAL	10.2	46.5	24.0	12.8	5.2	1.1	.1														1401		1397
																				1397		1397	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9724619	115343	82.6	12.010	1397							
Dry Bulb	3393081	68351	48.8	6.460	1401		.0	.1				93
Wet Bulb	3014708	64276	46.1	5.877	1397		1.1					93
Dew Point	2693597	60678	43.4	6.445	1397		3.9					93

USAFETAC FORM 0-26-5 (OL-A1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 56-72 MAY

	WET BULB TEMPERATURE DEPRESSION F																								TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23				
64/ 63					.1																				1	1		
62/ 61			.3		.1																				2	2		
60/ 59			.5	.4	.7	.1	.1																		27	27	9	1
58/ 57		.4	1.3	.5	.6	.3																			50	50	15	13
56/ 55		.5	2.2	1.2	1.0	.2																			75	76	40	28
54/ 53		1.6	4.6	2.0	.7	.4																			137	140	89	58
52/ 51		1.0	4.8	2.1	.8	.2																			130	134	118	86
50/ 49		.9	5.3	2.9	1.2	.1																			155	155	137	108
48/ 47		.7	6.9	2.3	.6																				154	155	140	127
46/ 45		1.3	7.3	2.0	.5																				165	165	189	138
44/ 43		1.6	7.1	1.0	.2																				145	145	198	175
42/ 41		2.1	5.0	1.6	.2																				130	131	151	180
40/ 39		2.9	4.3	1.1																					121	121	136	186
38/ 37		.8	4.4	.3																					82	82	110	93
36/ 35		1.2	1.6																						41	41	81	120
34/ 33		.7	.4																						17	17	26	75
32/ 31		.5	.6																						16	16	15	47
30/ 29		.4	.4																						12	12	13	19
28/ 27			.1																						2	2	5	9
26/ 25																												2
24/ 23																												2
TOTAL	16.	65	7.9	17.2	6.6	1.4	.1																		1467	1477	1467	1467

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_A	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11282387	127851	87.2	9.772	1467							
Dry Bulb	3256672	68662	46.8	6.520	1477		1.9					93
Wet Bulb	2969970	65402	44.6	6.081	1467		2.1					93
Dew Point	2734136	62636	42.7	6.386	1467		5.0					93

USAFETAC FORM 0-26-5 PREV. EDITION OF 1 JAN 64 IS OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 MAY

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WET BULB TEMPERATURE DEPRESSION F

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL		TOTAL	
70/ 69							.1																									1	1		
68/ 67						.1																										1	1		
66/ 65					.1	.1	.1																									7	7		
64/ 63			.1	.2	.2	.2	.1	.1																								13	13		
62/ 61			.4	.3	.7	.2	.1																									27	27	5	2
60/ 59		.1	1.2	1.1	.6	.2	.1																									53	53	22	2
58/ 57		.4	1.4	1.5	.8	.4																										74	74	42	27
56/ 55		.2	3.2	2.6	1.4	.6		.1																								131	134	66	44
54/ 53		.9	4.3	2.4	1.1	.1	.1	.1																								146	149	126	79
52/ 51		.6	5.2	3.7	1.5	.2	.1																									183	186	137	102
50/ 49	1.2	6.9	4.5	.9			.1																									220	220	182	165
48/ 47	.4	5.9	3.2	.4																												161	162	215	139
46/ 45	.8	6.7	1.7	.6																												159	159	203	193
44/ 43	.6	5.4	1.9	.1																												129	130	183	200
42/ 41	1.6	5.4	1.9																													144	144	149	199
40/ 39	.9	2.6	.6																													65	66	122	149
38/ 37	.6	1.9	.2																													44	44	78	109
36/ 35	.4	1.3																														28	28	42	88
34/ 33	.5	.4																														15	15	24	60
32/ 31	.2	.3																														8	8	10	32
30/ 29	.1	.3																														6	6	6	14
28/ 27																																		3	7
26/ 25																																			3
24/ 23																																			1
TOTAL	9.4	53.1	25.9	8.7	2.2	.5	.2																									1615		1615	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	11702184	136490	84.5	10.167	1615							
Dry Bulb	3919627	79148	48.9	6.944	1627		.8	.1				93
Wet Bulb	3513252	74701	46.2	5.994	1615		1.1					93
Dew Point	3191121	71027	44.0	6.334	1615		3.3					93

USAFETAC FORM 0-26 5 OCT 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

3405a SEMBACH AB GERMANY 54-72 MAY

WET BULB TEMPERATURE DEPRESSION °F

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL		
78/ 77									.1			.1																				3	3	
76/ 75								.1	.1	.1																						4	4	
74/ 73							.1	.4	.3	.1																						15	15	
72/ 71						.1	.4	.6	.4	.1																						25	25	
70/ 69					.2	.7	.9	.3	.2	.1																						38	36	
68/ 67				.1	.4	1.0	.9	.6	.2																							54	54	
66/ 65				.3	.7	.9	1.0	.8	.4	.1																						69	69	1	
64/ 63			.1	1.0	.7	1.3	1.7	.6	.3																							96	96	17	
62/ 61			.6	.9	1.5	1.6	1.3	.7	.1																							109	109	47	3
60/ 59		.2	.9	1.1	1.5	1.8	1.6	.3	.1																							122	122	92	17
58/ 57		.1	1.2	1.8	2.3	3.1	.9	.1																								152	153	87	55
56/ 55		.2	2.2	3.3	3.0	1.9	.9	.1																								189	189	146	70
54/ 53		.1	1.7	3.0	2.3	1.9	.6	.1																								158	158	161	115
52/ 51		.1	2.1	3.2	2.7	.9	.4	.1																								155	155	202	105
50/ 49		.1	2.4	4.6	2.6	1.0	.5																									184	184	214	157
48/ 47			2.0	2.3	1.8	.3																										105	105	177	161
46/ 45		.1	1.5	1.6	.9	.2																										69	69	208	193
44/ 43			1.4	1.0	.7	.1																										53	53	119	187
42/ 41			.6	.6	.3																											24	24	84	169
40/ 39			.1	.4																												8	8	47	133
38/ 37			.1	.1																												3	3	20	93
36/ 35				.1																												1	1	12	77
34/ 33																																		2	37
32/ 31																																			26
30/ 29																																			23
28/ 27																																			12
26/ 25																																			1
24/ 23																																			2
TOTAL		.9	16.6	25.4	21.6	16.8	11.2	4.6	2.4	.4		.1																				1637			1636
																															1636		1636	

Element	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8176611	113257	69.2	14.337	1636							
Dry Bulb	5146895	91003	55.6	7.331	1637			7.9	1.2			93
Wet Bulb	4130570	81838	50.0	5.892	1636							93
Dew Point	3601795	73761	45.1	6.827	1636		1.6					93

USAFETAC FORM 0-26 5 (OL-A)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 MAY

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WET BULB TEMPERATURE DEPRESSION F

F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOTAL	TOTAL		
86/ 85																			.1												2	2		
82/ 81													.1		.1	.1	.1	.1			.1										7	7		
80/ 79															.1	.1	.1			.1											5	5		
78/ 77													.1		.1	.4	.4														16	16		
76/ 75							.1		.1		.1		.5		.7	1.1	.5														49	49		
74/ 73									.1		.2		.9		.9	.7	.1														48	48		
72/ 71									.5		.6		1.1		.7	.4	.1	.1													57	57		
70/ 69							.4		.7		1.0		1.7		.9	.7	.2														91	91	2	
68/ 67			.1		.1		.4		.7		1.2		1.6		.7	.7															87	87	5	1
66/ 65					.2		.2		.8		1.8		1.2		1.2	.7															106	106	13	
64/ 63			.1		.4		1.2		1.2		1.6		1.3		.3	.4															105	105	39	3
62/ 61			.2		.6		1.0		1.0		1.7		1.7		.1																104	104	75	13
60/ 59			.5		.9		1.6		2.6		2.0		1.3		.1																148	148	110	15
58/ 57		.1	.7		1.4		2.0		2.4		1.7		1.0		.1																155	155	141	43
56/ 55			1.0		1.8		2.5		2.0		1.8		.2		.1																154	154	138	81
54/ 53		.2	.4		1.5		2.6		2.2		1.2		.2																		137	137	102	77
52/ 51		.2	1.5		1.9		2.8		1.7		.5		.2																		145	145	218	146
50/ 49		.1	1.4		2.4		2.1		.9		.1																				115	115	202	134
48/ 47			.4		.7		1.2		.2		.1																				43	43	191	175
46/ 45			.5		.4		.3		.4		.1																				26	26	156	167
44/ 43		.1	.7		.3		.2		.2																						24	24	96	150
42/ 41			.2		.1		.1																								7	7	50	169
40/ 39			.1																												2	2	21	140
38/ 37			.1																												1	1	13	117
36/ 35			.1																												1	1	2	78
34/ 33																																	1	30
32/ 31																																		36
30/ 29																																		19
28/ 27																																		11
26/ 25																																		5
24/ 23																																		3
22/ 21																																		1
20/ 19																																		1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 MAY

PAGE 2 1200-1400

WET BULB TEMPERATURE DEPRESSION F

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DB WB D.P.	TOTAL Wet B. + Dew P.
TOTAL	.7	8.1	12.7	19.3	17.6	15.6	13.2	6.1	5.4	1.9	.1	.1																					1635 1635	1635

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6215570	98272	60.1	15.819	1635							
Dry Bulb	5912984	97386	59.6	8.292	1635			20.6	7.2	.5		93
Wet Bulb	4425879	84487	51.7	6.049	1635			.4				93
Dew Point	3363979	73219	44.8	7.215	1635		6.2	.1				93

USAFETAC FORM 0 26 5 (OL-A) PREVIOUS EDITIONS OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 MAY

WET BULB TEMPERATURE DEPRESSION F

DB / WB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥31	TOTAL DB	TOTAL WB	Wet B	Dew P
86/ 85																		.1	.1													2	2		
84/ 83														.1				.1	.2													6	6		
82/ 81																			.1	.1												2	2		
80/ 79										.1				.2		.4				.4												17	17		
78/ 77												.1		.2		.3	1.2			.1												35	35		
76/ 75										.1		.3		.6		1.3		.3		.1	.1											55	55		
74/ 73									.1	.4		.7		1.3		1.1		.3														62	62		
72/ 71									.2	.6		.9		1.8		.7		.4														76	76		
70/ 69						.1		.5		1.2		1.5		1.7		.9		.2		.1												98	98	3	
68/ 67			.1		.1	.6		.7		.7		1.3		1.4		.9		.1														97	97	1	
66/ 65			.1		.2	.3		.7		1.5		1.7		1.3		.5		.1														103	103	17	
64/ 63			.1		.3	.7		1.0		1.6		1.3		.8		.3		.1														99	99	41	4
62/ 61			.4		.2	1.0		1.4		1.7		1.8		.7																		117	117	72	5
60/ 59			.2		.7	1.3		2.6		2.3		1.7		.3																		147	147	137	19
58/ 57	.1		.5		.9	1.6		2.3		1.9		.7		.1																		133	133	129	49
56/ 55			1.0		1.2	2.3		3.4		1.5		.6		.2																		166	167	164	40
54/ 53	.1		.7		1.1	2.0		2.9		1.7		.1																				141	148	170	93
52/ 51	.1		1.1		1.8	1.5		1.1		.2		.1																				95	95	191	117
50/ 49	.1		1.2		1.6	1.1		.5		.2		.1																				79	79	212	155
48/ 47	.1		.9		1.0	.8		.5		.2																						58	58	212	159
46/ 45			.4		.4	.2		.1																								19	19	137	174
44/ 43			.2		.2	.1																										9	9	80	165
42/ 41			.2		.1																											5	5	30	169
40/ 39			.1		.1																											4	4	20	174
38/ 37			.1																													1	1	9	105
36/ 35	.1																															1	1	2	77
34/ 33																																			50
32/ 31																																			35
30/ 29																																			20
28/ 27																																			6
26/ 25																																			3
24/ 23																																			6
22/ 21																																			2

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-265 (OL-A) JUL 64 USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54°72 MAY

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WET BULB TEMPERATURE DEPRESSION F

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DB WB	TOTAL Wet B - Dew P
TOTAL	.6	7.4	10.0	13.7	17.9	15.9	13.2	11.5	6.8	3.0	1.0	.1																				1630 1627	1627 1627

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	9747985	92981	57.1	16.342	1627							
Dry Bulb	6158209	99208	60.9	8.597	1630			25.7	10.2	.7		93
Wet Bulb	4470686	84748	52.1	5.886	1627			.2				93
Dew Point	3303269	72628	44.8	6.947	1627		6.1					93

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68,71-72 MAY

 1800-2000

WET BULB TEMPERATURE DEPRESSION °F

°F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOTAL DB	TOTAL WB	TOTAL Dew Pt	TOTAL Dew Pt
82/ 81																		.1															1	1		
80/ 79														.1																			1	1		
78/ 77														.1		.2		.1		.2													9	9		
76/ 75														.5		.3		.5		.1													19	19		
74/ 73										.4		.2		.9		.6		.1															30	30		
72/ 71								.2		.4		1.1		1.4		.1		.1															47	47		
70/ 69						.1		.4		.9		1.3		.9		.6		.1															61	61		
68/ 67				.1		.5		.7		1.1		1.0		1.2		.4		.1															71	71		
66/ 65			.1		.3		.7		1.2		1.6		1.1		.6		.1		.1														80	80	2	
64/ 63			.2		.3		.9		1.1		1.0		1.5		.6																		80	80	20	
62/ 61			.3		.8		1.2		1.3		1.3		1.1		.3		.2																91	91	44	6
60/ 59		.1	.5		1.2		1.4		1.4		2.2		1.2		.1																		115	115	92	21
58/ 57			.9		1.0		1.4		2.7		2.0		.1					.1															115	115	117	26
56/ 55		.2	1.3		2.3		2.5		3.1		1.2		.4																				154	154	118	30
54/ 53		.1	1.4		2.1		3.1		2.3		.7		.2																				139	142	137	83
52/ 51		.1	1.6		2.4		2.6		2.1		.6		.1																				133	133	158	103
50/ 49		.2	2.1		2.1		1.9		.9		.4																						108	108	187	120
48/ 47		.4	1.6		1.8		.9		.4		.1																						73	73	203	148
46/ 45		.1	1.0		1.1		.4		.3																								41	41	134	164
44/ 43		.1		.1		.3		.2		.1																							10	10	96	151
42/ 41			.2		.1		.1																										6	6	49	134
40/ 39		.1	.3		.2																												9	9	18	131
38/ 37			.1		.1																												4	4	10	109
36/ 35																																			3	54
34/ 33																																			1	36
32/ 31																																				26
30/ 29																																				20
28/ 27																																				6
26/ 25																																				4
24/ 23																																				4
12/ 11																																				1
TOTAL	1.4	11.8	19.2	18.0	18.3	14.0	9.5	6.7	2.6	1.1	.3																						1400		1397	
																																	1397		1397	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3969786	88406	63.3	16.394	1397							
Dry Bulb	4790274	81130	58.0	7.987	1400			15.9	4.0	.1		93
Wet Bulb	3660840	71058	50.9	8.771	1397							93
Dew Point	2849193	62351	44.6	6.894	1397		4.1					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68,71 MAY

DB/WB	WET BULB TEMPERATURE DEPRESSION F																									TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	A	B	C	D
72/ 71													.1														1	1		
70/ 69									.1	.1																	2	2		
68/ 67							.4	.1	.4	.3	.1																18	18		
66/ 65			.1	.2	.2	.6	.7	.3																			30	30		
64/ 63			.1	.8	.9	1.0	.9	.1	.1																		55	55	2	
62/ 61			.8	.9	1.5	1.1	.9	.1																			75	75	13	3
60/ 59	.3		.8	1.2	1.9	1.6	.9	.4																			99	99	40	15
58/ 57	.2	1.6	1.7	1.4	1.0	.6	.2																				95	95	62	32
56/ 55	.4	3.2	1.6	1.9	1.5	.7																					130	130	127	97
54/ 53	.6	2.4	3.2	2.2	1.3	.2																					137	138	107	101
52/ 51	.1	2.5	4.9	2.6	.6	.3																					155	158	118	82
50/ 49	.7	4.2	5.2	2.0	.6	.1																					179	179	170	115
48/ 47	.6	3.3	3.8	1.6	.5																						137	137	218	132
46/ 45	.6	3.7	3.0	1.7	.5	.1																					134	136	178	185
44/ 43	.4	2.7	1.4	.7	.1																						74	74	136	153
42/ 41	.1	1.5	.4	.1																							30	30	108	190
40/ 39	.1	1.0	.4	.1																							23	23	60	147
38/ 37	.1	.4	.1																								9	9	30	84
36/ 35	.1	.4	.1																								9	9	15	74
34/ 33		.2																									3	3	9	30
32/ 31																													2	28
30/ 29																														19
28/ 27																														7
24/ 23																														1
TOTAL	4.3	28.9	29.2	19.3	10.7	5.9	1.5	.1																			1395	1399	1395	1395

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						< 0 F	32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Rel. Hum.	8302992	105930	75.9	13.635	1395							
Dry Bulb	3892525	73205	52.3	6.657	1399			1.4				
Wet Bulb	3297652	67346	48.3	5.770	1395		.1					
Dew Point	2827900	62130	44.5	6.603	1395		3.7					

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68,71

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Temp. (F)	0	1 2	3 4	5 6	7 8	9 10	11 12	TOTAL D.B.	W.B.	TOTAL	
72/ 71				.1	.1		.3	7	7		
70/ 69				.2	.1	.1	.1	6	6		
68/ 67			.4	.1	.4	.1		13	13	1	
66/ 65		.4	.7	.8	.7	.1		37	37	1	1
64/ 63		1.4	1.7	.6	.5	.5		64	64	18	1
62/ 61	.2	2.2	2.7	1.0	.7	.8	.1	105	105	45	32
60/ 59	.4	3.0	3.9	2.3	.3	.4		138	138	89	60
58/ 57	1.3	5.3	4.3	1.8	.6	.2		181	181	131	73
56/ 55	1.3	6.2	3.2	1.7	.4	.1		174	174	175	125
54/ 53	.5	5.9	3.5	.8	.3			149	149	189	157
52/ 51	1.1	6.1	3.0	1.2	.1			155	155	181	184
50/ 49	.9	6.2	3.1	1.0	.1			152	152	170	177
48/ 47	1.1	3.8	1.6	.4				93	93	161	171
46/ 45	.6	2.2	.3	.3				46	46	102	133
44/ 43	.2	.7	.1	.1				14	15	53	96
42/ 41	.1	.2	.4	.1				11	11	17	62
40/ 39	.1		.1					2	2	5	37
38/ 37		.1						2	2	8	21
36/ 35										3	7
34/ 33											8
32/ 31											1
30/ 29											2
28/ 27											1
TOTAL	7.9	43.6	29.1	12.4	4.2	2.4	.5	1349	1350	1349	1349

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9570298	112604	83.5	11.263	1349							
Dry Bulb	4128665	74265	55.0	5.663	1350			1.7				90
Wet Bulb	3703968	70346	52.1	5.143	1349			.1				90
Dew Point	3399453	67271	49.9	5.767	1349		.3					90

Mean No. of Hours with Temperature

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 JJA

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	WET BULB TEMPERATURE DEPRESSION F																								TOTAL		TOTAL	
F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
68/ 67						.1	.1	.1																	3	3		
66/ 65			.1	.2		.1	.4	.1	.1																12	12		
64/ 63			.6	.5		.4		.1																	22	22	1	
62/ 61		.4	2.4	1.0		.5	.2																		64	64	30	16
60/ 59		.4	4.0	2.2		.8	.4	.1																	111	111	54	30
58/ 57	1.8	5.7	2.0	1.1		.5																			157	157	117	85
56/ 55	1.6	7.1	3.1			.8	.1																		182	183	150	116
54/ 53	1.3	7.6	2.6			.5	.4																		176	178	183	142
52/ 51	1.3	7.9	2.1			.2	.1																		164	165	192	194
50/ 49	1.6	8.5	2.3			.6																			185	186	191	185
48/ 47	1.9	5.5	1.8			.1																			133	134	178	181
46/ 45	1.1	5.0	1.3			.2																			108	109	135	165
44/ 43	.6	2.5	.6																						51	51	91	108
42/ 41	.3	1.3	.2																						26	26	52	65
40/ 39		.2	.1																						5	5	20	69
38/ 37	.3	.3	.1																						10	10	8	32
36/ 35	.1	.2																							4	4	7	13
34/ 33																											4	4
32/ 31																												5
30/ 29																												3
TOTAL	12.8	59.0	20.2	5.8	2.1	.4	.1																		1413	1420	1413	1413

Element X	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						> 0 F	> 32 F	> 67 F	> 73 F	> 80 F	> 93 F	Tots
Rel. Hum.	10989302	129918	87.7	9.291	1413							
Dry Bulb	3971143	74682	52.4	5.524	1420			.2				90
Wet Bulb	3655958	71484	50.6	5.280	1413							90
Dew Point	3426356	69110	48.9	5.719	1413		.5					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34C56 SEMBACH AB GERMANY 54-72 JUN

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	Total	Total	Total	Total
74/ 73					.1			1	1		
72/ 71				.1	.1	.1		5	5		
70/ 69				.1	.1	.3		6	6		
68/ 67		.1	.4	.5	.5	.2		26	26	1	
66/ 65		.2	1.5	.8	.6	.2		53	53	4	1
64/ 63	.1	1.0	1.4	1.5	.7	.3	.1	80	80	15	6
62/ 61	.5	2.6	2.4	1.5	.6	.3		123	123	70	28
60/ 59	.6	3.1	3.5	2.1	.8	.1		159	159	106	74
58/ 57	1.0	5.2	2.6	1.8	.6			174	176	157	97
56/ 55	.6	7.1	3.3	1.2	.4			200	206	197	142
54/ 53	1.0	6.9	4.0	1.3	.2			208	210	209	196
52/ 51	.8	6.5	3.9	.6	.2	.1		188	189	227	206
50/ 49	.8	6.0	2.2	.8	.3			158	160	197	214
48/ 47	.3	3.9	1.2	.2				86	86	156	181
46/ 45	.4	2.2	.8	.1				54	56	116	164
44/ 43	.1	1.1	.3	.1				23	23	58	100
42/ 41	.1	.2	.1	.1				7	7	29	65
40/ 39	.1	.1	.1					5	5	7	42
38/ 37		.1	.1					2	2	5	19
36/ 35										2	13
34/ 33											2
32/ 31											4
30/ 29											2
TOTAL	6.4	46.1	27.8	12.9	5.2	1.5	.1	1558	1573	1558	1558

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11015404	129872	83.5	10.627	1556							
Dry Bulb	4844916	86832	55.2	5.732	1573			2.2	.1			90
Wet Bulb	4313387	81575	52.4	5.207	1558			.1				90
Dew Point	3958843	78032	50.1	5.697	1558		.3					90

(Columns ≤ 0 F through Total: Mean No. of Hours with Temperature)

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 JUL

WET BULB TEMPERATURE DEPRESSION (F)

DRY BULB (F)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	CUM
86/ 85																																1	1
84/ 83																																1	1
82/ 81																																4	4
80/ 79																																6	6
78/ 77																																18	18
76/ 75																																34	35
74/ 73																																44	44
72/ 71																																75	75
70/ 69																																112	112
68/ 67																																116	116
66/ 65																																151	151
64/ 63																																152	152
62/ 61																																143	143
60/ 59																																169	169
58/ 57																																145	145
56/ 55																																153	153
54/ 53																																103	103
52/ 51																																74	74
50/ 49																																42	42
48/ 47																																26	26
46/ 45																																3	3
44/ 43																																5	5
42/ 41																																	
40/ 39																																	
38/ 37																																	
36/ 35																																	
34/ 33																																	
32/ 31																																	
30/ 29																																	
28/ 27																																	
TOTAL	.7	14.0	19.0	20.0	19.9	13.4	7.8	2.8	1.3	.2	.1																					1578	1577
																																1577	1577

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 90 F	Total
Rel. Hum.	7719113	100088	63.6	13.952	1576							
Dry Bulb	6097082	97446	61.8	7.101	1578			23.3	6.2	.3		90
Wet Bulb	4893478	87628	55.4	5.433	1577			1.1				90
Dew Point	4119268	79994	50.7	6.249	1577		.9					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ AC

PSYCHROMETRIC SUMMARY

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°F / °C	WET BULB TEMPERATURE DEPRESSION °F 0	1	2	3	4	5-6	7-8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL DRY BULB	TOTAL WET BULB		
90/ 89																												.1	1	1		
88/ 87																		.1		.1		.1							3	3		
86/ 85																		.1	.2	.1									7	7		
84/ 83													.1	.1				.4	.1	.1									11	11		
82/ 81										.1		.3	.4					.4	.3										23	23		
80/ 79								.2		.4		.5	.8					.6	.2										43	42		
78/ 77								.4	1.0		1.0		.8					.6											60	60		
76/ 75							.1		.8	1.6		2.0	1.0					.2											88	88		
74/ 73						.2		.8		.8	1.2		1.3		.9			.1												89	89		
72/ 71					.3		.9		1.5		1.8		1.3		.4														102	102	2	
70/ 69				.1		1.1		1.6		2.7		2.2		1.0		.3													141	141	9	
68/ 67		.1		.6		.6		2.3		2.2		1.1		.7		.4													125	125	37	2
66/ 65		.1		.6		.8		2.6		2.5		1.9		.8		.1		.1											146	146	87	4
64/ 63	.1	.1		.9		1.7		2.1		2.2		1.4		.4		.1													140	140	112	21
62/ 61		.6		1.6		2.0		2.3		1.4		.7		.3															138	138	169	50
60/ 59		.8		1.1		2.2		1.2		1.0		.4		.3															109	109	197	77
58/ 57		1.3		1.7		2.7		1.5		1.0		.2		.1															134	134	215	103
56/ 55	.1	1.7		1.3		1.1		.8		.2		.1																	83	83	186	174
54/ 53		1.2		.8		1.0		.4		.2		.1																	59	59	199	174
52/ 51		1.0		.8		.4				.1																			35	35	144	231
50/ 49	.1	1.1		.1		.2																							22	22	95	178
48/ 47		.3		.2		.1																							10	10	81	169
46/ 45		.1				.1																							4	4	18	132
44/ 43																															11	75
42/ 41																															3	72
40/ 39																															2	42
38/ 37																																25
36/ 35																																16
34/ 33																																7
32/ 31																																5
30/ 29																																8
28/ 27																																2
TOTAL	.3	8.4		9.7		14.4		16.6		17.5		14.2		10.0		5.3		2.6		.7		.3				.1		.1		1567		1567

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Rel. Hum.	6094187	94687	60.5	15.354	1566							
Dry Bulb	6810401	102539	65.4	8.015	1567			39.5	18.3	3.6		90
Wet Bulb	5102269	89002	56.8	5.468	1567			2.8				90
Dew Point	4061259	79143	50.5	6.396	1567		.9	.1				90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-72 JUN

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WET BULB TEMPERATURE DEPRESSION (F)

Temp. (F)														Total D.B.	Total W.B.	Total	Total
90/ 89													.2	3	3		
88/ 87										.1	.1	.2		7	7		
86/ 85										.1	.4	.2		10	10		
84/ 83									.3	.3	.3	.2		17	17		
82/ 81								.3	.4	.8	.8	.1		38	38		
80/ 79							.2	.9	.9	.5	.2	.1		43	43		
78/ 77					.1	.3	1.1	1.0	.7	1.3	.2			74	74		
76/ 75				.1	.1	.7	1.6	1.8	.6	.5	.3			90	90		
74/ 73				.1	1.0	1.0	1.9	1.8	.9	.1				108	108		
72/ 71				.4	.7	1.8	2.0	1.5	.4	.3				112	112		
70/ 69			.1	.6	1.0	2.4	1.7	1.3	1.0	.1				129	129	8	
68/ 67			.5	.8	1.5	2.6	1.7	.9	1.0					141	141	36	
66/ 65			.4	1.7	1.5	1.9	1.6	.6	.3					125	125	103	5
64/ 63		.1	1.0	1.8	2.7	2.2	1.1	.7						151	151	124	15
62/ 61		.7	1.2	1.1	1.7	2.1	.7	.4						124	124	165	42
60/ 59	.1	.9	1.5	1.5	1.6	1.1	.5	.4						120	120	222	82
58/ 57		1.2	1.7	1.7	1.0	.4								92	92	196	115
56/ 55	.2	1.5	1.1	1.2	.6	.3	.2	.1						83	83	207	157
54/ 53		.4	.9	.8	.4	.1								40	40	187	182
52/ 51	.1	1.1	.6	.2										32	32	136	204
50/ 49	.1	1.0	.1	.1	.1									19	19	100	185
48/ 47		.3	.1	.1	.1									7	7	56	176
46/ 45		.1												2	2	18	128
44/ 43		.1												1	1	9	92
42/ 41																3	65
40/ 39																	59
38/ 37																	26
36/ 35																	17
34/ 33																	5
32/ 31																	4
30/ 29																	6
28/ 27																	3
TOTAL	.4	7.3	9.2	12.1	14.1	16.9	14.5	11.7	6.6	4.0	2.3	.8	.2	1568	1568	1568	1568

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5725162	91134	58.2	16.352	1565							
Dry Bulb	7040248	104276	66.5	8.210	1568			44.3	22.4	5.7		90
Wet Bulb	5159990	89562	57.1	5.319	1568			2.5				90
Dew Point	4026257	78821	50.3	6.392	1568		.7					90

USAFETAC FORM 0 26 5 JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68,71-72 JUL

WET BULB TEMPERATURE DEPRESSION F

DB/WB	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	TOTAL	CUM	TOTAL	CUM
88/ 87																							.1							2	2		
86/ 85																							.1							5	5		
84/ 83																						.1	.3	.1						7	7		
82/ 81																					.1	.2	.4	.2						13	13		
80/ 79																				.3	.7	.6	.4	.2						29	29		
78/ 77																			.2	.4	.8	.6	.3	.1						33	33		
76/ 75																		.1	.1	.5	.9	.9	.7	.7	.2					54	54		
74/ 73																		.1	.7	1.3	.9	1.5	.8	.2						73	73		
72/ 71																		.2	1.1	.7	2.4	1.2	.4	.2						83	83		
70/ 69																	.1	1.0	1.3	2.5	2.0	.8	.2							107	107	1	
68/ 67																.1	.2	1.3	1.5	2.5	1.8	.8	.4							118	118	23	
66/ 65																	.1	1.0	1.4	2.7	1.5	.8	.6							111	111	55	4
64/ 63																	.2	1.9	1.8	3.3	1.6	1.3	.4							144	144	97	15
62/ 61																.1	1.4	1.3	2.9	2.6	1.2	.4	.1							135	135	113	36
60/ 59																	1.9	1.0	2.6	1.8	1.3	.4	.2							124	124	205	74
58/ 57																.1	1.3	1.8	2.5	.7	.7	.3								99	99	183	101
56/ 55																.5	1.5	1.5	1.9	1.0	.3	.2								93	93	207	138
54/ 53																.1	1.2	1.2	.7	.5	.1									52	52	162	180
52/ 51																	1.7	.5	.5	.2	.1									42	42	125	169
50/ 49																.1	1.7	.1												25	25	97	177
48/ 47																	.5			.2										10	10	58	153
46/ 45																																24	113
44/ 43																																4	65
42/ 41																																4	43
40/ 39																																1	46
38/ 37																																	19
36/ 35																																	7
34/ 33																																	9
32/ 31																																	8
30/ 29																																	1
28/ 27																																	1
TOTAL	.9	11.7	10.4	10.9	17.0	14.2	12.1	8.0	4.0	2.9	1.1	.2																		1359		1359	
																															1359		1359

Element	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5783484	85774	63.2	16.419	1358							
Dry Bulb	5711850	87484	64.4	7.684	1359			34.7	14.3	2.8		90
Wet Bulb	4202005	76677	56.4	5.132	1359			1.6				90
Dew Point	3533307	68787	50.6	6.176	1359		.7					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 54-68 JUN

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Temp.	WET BULB TEMPERATURE DEPRESSION (F)									TOTAL			
80/ 79									.1	1	1		
78/ 77						.1			.1	2	2		
76/ 75						.1	.1	.1		5	5		
74/ 73					.1	.2	.3		.1	9	9		
72/ 71			.1	.3	.8	.8	.3	.1		33	33		
70/ 69			.1	.9	.2	.7	.4	.1		33	33		
68/ 67			.7	1.6	1.3	1.2	.4			71	71	2	
66/ 65		.6	1.9	1.3	1.9	1.1	.2			94	94	19	2
64/ 63	.4	.5	1.7	2.8	1.6	1.0	.1	.1		112	112	54	13
62/ 61	.4	1.4	2.3	3.7	1.2	.8	.2			135	135	80	44
60/ 59	.2	3.9	4.4	3.2	1.6	.6	.1			188	188	116	58
58/ 57	.4	3.8	3.4	2.8	1.3	.4	.1			165	165	207	99
56/ 55	.4	3.0	4.1	1.6	1.2	.2				143	143	191	159
54/ 53	.4	3.9	3.3	1.2	.4	.1				125	125	163	181
52/ 51	.3	4.1	2.4	1.1	.4					113	113	179	166
50/ 49	.4	2.8	1.2	.7	.1					70	70	152	161
48/ 47	.3	1.6	.5	.1						35	35	101	182
46/ 45	.2	.3	.1	.4						14	14	58	105
44/ 43			.1							2	2	18	73
42/ 41												4	43
40/ 39												6	31
38/ 37													12
36/ 35													8
34/ 33													10
32/ 31													3
TOTAL	3.3	25.9	26.3	21.8	12.3	7.5	2.2	.4	.2	1350	1350	1350	1350

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8069878	102790	76.2	13.275	1349							
Dry Bulb	4705532	79266	58.7	6.172	1350			10.3	1.1			90
Wet Bulb	4004948	73210	54.2	5.079	1350			.1				90
Dew Point	3532196	68606	50.8	5.820	1350		.2					90

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

PSYCHROMETRIC SUMMARY

AIR WEATHER SERVICE/MAC

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78/ 77						.1		.1	.1	4	4		
76/ 75				.1	.1			.1		5	5		
74/ 73			.1	.1	.2	.1	.2			9	9		
72/ 71				.1	.7	.3	.1	.1		19	18		
70/ 69			.9	.7	.7	.1	.1	.1		3[illegible]	30	2	
68/ 67	.1	.3	1.5	1.1	1.0	.1	.3			68	68	9	[illegible]
66/ 65	.1	.3	1.4	1.2	.5	.5				62	62	24	[illegible]
64/ 63	.5	2.0	2.4	1.4	.8	.4	.1			115	115	62	29
62/ 61	.7	3.6	2.5	2.2	.7	.3				153	153	119	62
60/ 59	.5	5.2	3.5	1.7	.7					177	177	140	11[illegible]
58/ 57	1.7	6.4	3.3	1.7	.7					21[illegible]	210	199	163
56/ 55	2.2	8.3	4.1	.9	.5					244	244	246	197
54/ 53	1.9	4.5	2.9	.7	.1					155	155	250	229
52/ 51	1.4	4.2	2.7	.8	.1					140	140	160	212
50/ 49	.4	2.4	2.0	.3						77	77	140	164
48/ 47	.1	1.7	.9							41	41	84	125
46/ 45	.2	.6		.1						14	14	62	93
44/ 43		.5								7	7	20	75
42/ 41												4	39
40/ 39												2	12
38/ 37													3
36/ 35													3
TOTAL	9.6	40.0	27.8	13.[illegible]	6.7	1.8	.8	.3	.1	1529	1529	1529	1529

	Σx²	Σx	x̄	σx	No. Obs	Mean No. of Hours with Temperature			
	10846803	127585	83.4	11.460	1529				
	5166413	88431	57.8	5.830	1529	8.2	1.1		93
	4628951	83777	54.8	5.029	1529	.7			93
	4271777	80387	52.6	5.453	1529	.2			93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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74/ 73					[illegible]					
72/ 71			.1		.1	.1	1	1		
70/ 69		.1	.3	.2	.2	.2	4	4		
68/ 67		.3	1.0	.2	.3	.1	14	16		
66/ 65		.4	.9	.8	.2	.1	30	30	5	[illegible]
64/ 63	.3	1.9	1.5	.4	.4	.1	40	40	13	7
62/ 61	.9	2.9	2.5	1.1	.7		71	71	35	15
60/ 59	1.1	5.7	1.6	1.7	.4		130	130	77	53
58/ 57	1.3	6.9	3.6	1.0	.3		168	168	125	83
56/ 55	2.4	9.2	2.8	.6	.1		207	207	175	142
54/ 53	3.5	7.0	3.2	.8			241	241	217	188
52/ 51	2.2	3.7	1.8	.4			231	231	300	251
50/ 49	1.6	3.8	1.9	.1			160	160	189	226
48/ 47	.9	3.3	.9	.1			118	118	173	181
46/ 45	.8	2.6	.2	.1			82	82	115	153
44/ 43	.3	.7	.1				58	58	89	117
42/ 41	.3	.6	.1				17	17	51	83
40/ 39		.1					15	15	16	5[illegible]
38/ 37							1	1	10	14
36/ 35										10
										5
TOTAL	5.6	51.0	22.5	7.5	2.7	.6	1590	1590	1590	1590

Element	Σx²	Σx	x̄	σx	No. Obs	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	12303189	139037	87.4	9.557	1590							
Wet Bulb	4951737	88282	55.5	5.605	1590			3.0	.1			93
Dew Point	4565280	84834	53.4	5.140	1590			.3				93
	429784	82210	51.7	5.452	1590			.1				93

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34036 SEMBACH AB GERMANY 53-72

DEC

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WET BULB TEMPERATURE DEPRESSION F									TOTAL	DATA		
78/ 77					.1				1	1		
76/ 75					.1	.1		.1	4	4		
74/ 73				.1	.1	.1	.1		6	6		
72/ 71			.2	.4	.6	.4	.1		27	27	1	
70/ 69		.2	.5	.5	.4	.2			30	30	2	
68/ 67		.1	1.6	.6	.8	.4			61	61	9	5
66/ 65		1.1	1.7	1.2	.6				79	79	30	7
64/ 63	.2	2.1	3.1	1.5	.7	.2			130	131	78	30
62/ 61	.8	3.8	2.7	1.7	.7	.1			167	167	119	100
60/ 59	1.1	4.2	3.5	1.8	.5				189	189	177	120
58/ 57	1.4	6.3	3.8	1.9	.2	.1			232	235	207	152
56/ 55	2.6	8.4	3.1	1.2	.1	.1			261	261	253	238
54/ 53	1.6	5.5	2.9	.9					187	187	282	251
52/ 51	1.1	5.0	1.9	.8					150	150	191	227
50/ 49	.6	3.2	1.4	.2					93	93	155	207
48/ 47	.4	1.8	.6	.1					49	50	104	137
46/ 45	.4	.9	.2						26	29	58	101
44/ 43	.1	.3	.1						8	8	29	67
42/ 41		.2							3	3	7	43
40/ 39										1	1	14
38/ 37												3
36/ 35												1
TOTAL	10.1	43.1	27.4	12.9	4.9	1.5	.2	.1		1712		1703
									1703.		1703.	

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Rel. Hum.	12346224	143886	84.5	10.547	1703							
Dry Bulb	9729902	98526	57.6	5.858	1712			7.0	.6			93
Wet Bulb	5153035	93277	54.8	5.122	1703			.7				93
Dew Point	4705217	89799	52.7	5.427	1703			.3				93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 JUL

WET BULB TEMPERATURE DEPRESSION F

													TOTAL			
90/	89											.1	1	1		
88/	87						.1		.1		.1		3	3		
86/	85							.1	.1	.1	.1	.1	5	6		
84/	83						.1	.3	.1	.1		.1	10	10		
82/	81					.2	.2	.1	.1	.5	.1	.1	21	21		
80/	79				.1	.4	.5	.2	.5	.1	.1		32	32		
78/	77			.1	.3	.7	.3	.8	.5				44	44		
76/	75			.1	.6	1.3	1.0	.6	.2	.1			67	67	1	
74/	73		.1	.5	1.0	1.3	1.3	.5	.1				81	82		
72/	71		.2	.8	1.3	1.5	.8	.3	.1				84	84	11	1
70/	69	.1	.6	1.7	1.7	2.1	.9	.2					125	125	32	1
68/	67	.1	1.2	1.6	2.3	1.7	1.0	.2					141	141	63	11
66/	65	.1 .8	1.6	2.0	2.4	1.5	.5	.1					153	153	88	29
64/	63	.1 1.3	2.3	2.9	1.9	1.5	.2						176	176	177	64
62/	61	.2 1.6	2.4	3.0	2.2	.8	.2						180	180	191	112
60/	59	.4 2.3	3.7	3.3	2.0	.7	.3						218	218	209	141
58/	57	.5 1.7	3.0	2.3	.9	.2							150	150	229	165
56/	55	.5 1.7	1.9	1.8	.5	.1							111	111	246	247
54/	53	.3 1.0	1.5	.8	.6								72	72	196	218
52/	51	.1 .5	1.0	.3									32	32	131	209
50/	49	.2	.4	.1									11	11	86	163
48/	47														40	138
46/	45														18	103
44/	43															55
42/	41															29
40/	39															18
38/	37															13
36/	35															1
TOTAL		2.3 11.3 19.8	21.1	17.9	14.0	7.3	3.3	1.8	.8	.2	.2		1718	1719	1718	1718

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Rel. Hum.	8595905	119021	69.2	14.283	1718							
Dry Bulb	7224759	110731	64.4	7.315	1719			33.3	14.4	2.7		93
Wet Bulb	5816177	99539	57.9	5.342	1718			5.8	.1			93
Dew Point	4978615	91919	53.5	5.942	1718			.7				93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 [illegible]

PAGE 1 1200-1400

WET BULB TEMPERATURE DEPRESSION (F)

96/ 95														.1		1	1		
94/ 93														.2	.1	4	4		
92/ 91										.1	.1	.2	.1			8	8		
90/ 89									.1	.1	.1	.2	.2	.1		13	13		
88/ 87								.1	.1	.2	.2	.1	.2			16	16		
86/ 85								.1	.2	.4	.3	.3	.2			26	26		
84/ 83							.2	.5	.5	.5	.4	.1	.2			43	43		
82/ 81						.2	.5	1.2	.6	.7	.4	.2				65	65		
80/ 79					.1	.6	.8	.4	.8	.4	.2					56	56		
78/ 77				.1	.2	.8	.7	1.3	1.1	.2	.1					77	77		
76/ 75				.2	.4	1.3	1.9	1.7	.6	.3	.2					113	113	1	
74/ 73			.1	.1	.7	1.5	1.2	1.3	.8	.5						105	105	7	
72/ 71		.1	.1	.2	1.1	1.5	1.8	1.1	.2							102	102	21	
70/ 69			.4	1.3	1.8	1.5	1.1	1.6	.2							134	134	63	4
68/ 67		.4	.9	1.9	1.9	1.7	2.2	.6								164	164	82	14
66/ 65		.4	1.5	1.8	2.0	2.5	1.6	.2								171	171	125	29
64/ 63	.1	.8	.8	1.9	2.0	2.0	1.1	.4								155	155	195	56
62/ 61		1.1	1.3	2.1	2.5	1.1	.4	.1								147	147	207	119
60/ 59	.2	.8	1.9	2.2	2.0	.6	.3									138	138	212	135
58/ 57	.3	1.3	1.1	1.0	.9	.5	.1									88	88	220	166
56/ 55	.2	.9	.3	.7	.8	.2										53	53	240	188
54/ 53		.5	.5	.4	.2											25	25	163	192
52/ 51		.1	.4	.1												9	9	95	202
50/ 49																		41	179
48/ 47																		39	129
46/ 45																		2	140
44/ 43																			81
42/ 41																			37
40/ 39																			20
38/ 37																			14
36/ 35																			8
TOTAL	.8	6.2	9.2	14.0	16.5	16.0	13.7	10.7	5.2	3.4	1.9	1.0	1.0	.3	.1		1713		1713
																1713		1713	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6567776	102492	59.8	15.949	1713							
Dry Bulb	8157564	117338	68.5	8.375	1713			50.3	28.6	10.7	.3	93
Wet Bulb	6061260	101468	59.2	5.452	1713			9.4	.6			93
Dew Point	4873873	90719	53.0	6.370	1713			1.0				93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 JUL

PAGE 1 1500-1700

WET BULB TEMPERATURE DEPRESSION F

F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOTAL			
98/ 97																		.1								1	1		
96/ 95																		.1			.1	.1				6	6		
94/ 93																		.1	.1	.1	.1					6	6		
92/ 91																		.1	.1	.1						5	5		
90/ 89														.1	.1	.2	.4	.1	.2							17	17		
88/ 87												.1			.2	.2	.2	.1	.1							14	14		
86/ 85										.1	.2	.3	.6	.9	.2	.2										42	42		
84/ 83								.1	.4	.4	.8	.6	.7	.6	.1											62	62		
82/ 81							.1	.4	.6	.8	.5	.8	.5	.3	.1											67	67		
80/ 79							.1	.4	.7	1.0	.8	.5	.1	.1												63	63		
78/ 77				.1			.2	.6	1.1	1.5	1.3	.9	.3													100	100		
76/ 75			.1	.1	.1		.4	1.2	1.3	2.4	1.0	.6														121	121	3	
74/ 73				.2	.1		.9	1.3	1.6	1.4	.8	.2	.1													113	113	13	
72/ 71				.2	.2		.9	2.0	1.2	1.1	.4	.1														106	106	20	4
70/ 69				.8	1.2	1.8	1.6	1.8	1.5	.5																159	158	61	5
68/ 67			.1	.8	.9	1.8	2.4	2.9	.7	.1	.1															167	167	97	16
66/ 65			.2	1.2	1.5	1.5	1.3	1.5	.5	.2																136	136	140	23
64/ 63			.6	1.2	1.2	2.7	2.3	.8	.1																	152	152	184	65
62/ 61	.1	.9	1.3	1.4	1.5	1.4	.2																			117	117	240	91
60/ 59	.2	1.3	1.4	1.3	1.3	1.1	.3																			117	117	197	142
58/ 57	.1	1.8	.9	.6	.4	.6																				77	77	236	164
56/ 55	.1	.8	.5	.4	.4																					36	36	232	206
54/ 53	.1	.2	.2	.2	.1																					13	13	134	188
52/ 51		.2	.4	.1																						11	11	90	174
50/ 49		.1																								1	1	37	169
48/ 47																												24	163
46/ 45																													133
44/ 43																													68
42/ 41																													34
40/ 39																													25
38/ 37																													9
36/ 35																													6
34/ 33																													1

Element X	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

DATA PROCESSING BRA CH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 JUL

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WET BULB TEMPERATURE DEPRESSION F

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	TOTAL OBS	TOTAL
TOTAL	.5	6.2	9.2	9.3	14.0	16.9	14.5	11.5	6.8	4.6	3.0	2.0	.7	.6	.2														1708	1708

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6131539	98288	57.5	16.690	1708							
Dry Bulb	8437805	119151	69.8	8.384	1708			37.1	33.6	13.9	.7	93
Wet Bulb	6135086	101952	59.7	5.384	1708			10.6	.9			93
Dew Point	4850912	90354	52.9	6.456	1708			1.5				93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-69 JUL

PAGE 1 1800-2000

Temp	Wet Bulb Temperature Depression (F)															Total	Total		
96/ 95															.1	1	1		
94/ 93												.1	.1	.1		3	3		
92/ 91												.1		1		2	2		
90/ 89										.1	.3	.1	.1			8	8		
88/ 87									.1		.1	.1	.1			6	6		
86/ 85								.1	.2	.5	.3	.1	.1			19	19		
84/ 83					.1		.1	.1	.5	.3	.5	.3				27	27		
82/ 81				.1	.1	.1	.1	.5	.1	.7	.2	.1				32	32		
80/ 79				.1	.2	.5	.8	1.0	.6	.6	.2	.1				61	61		
78/ 77				.2	.5	.3	.9	.7	.8	.5		.1				59	59		
76/ 75		.1	.1	.2	.6	1.1	1.1	1.0	1.0	.3	.1					87	87	2	
74/ 73			.1	.5	.8	1.2	1.6	.9	.6	.1						91	91	3	1
72/ 71	.1		.3	.4	1.2	1.8	1.0	1.0	.3	.1						93	93	19	6
70/ 69		.1	.5	.5	1.4	2.0	1.5	.7	.3							108	108	47	3
68/ 67		.3	.8	1.4	1.9	2.4	1.7	.7	.1	.1						145	145	65	16
66/ 65		.4	2.1	2.0	2.2	1.6	.8	.3								143	143	108	27
64/ 63		1.3	1.5	2.3	1.6	2.0	.7	.1								147	147	142	52
62/ 61	.1	2.0	2.0	2.3	1.6	1.1	.3	.1								146	146	185	90
60/ 59	.3	2.2	2.0	2.0	1.4	.6	.2									132	132	216	138
58/ 57	.1	2.0	2.2	1.2	1.4	.4										112	112	222	167
56/ 55	.4	1.6	.7	1.1	.3	.2										66	66	202	165
54/ 53	.1	.7	.5	.3	.1											25	25	146	201
52/ 51		.6	.3	.2												16	16	105	178
50/ 49	.1	.1	.1													4	4	49	150
48/ 47																		19	115
46/ 45																		3	95
44/ 43																			55
42/ 41																			41
40/ 39																			17
38/ 37																			11
36/ 35																			4
34/ 33																			1
TOTAL	1.2	11.4	13.2	14.6	15.1	15.3	10.9	7.3	4.6	3.1	1.7	1.0	.4	.1	.1	1533	1533	1533	1533

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6710015	97945	63.9	17.181	1533							
Dry Bulb	7010823	102917	67.1	8.142	1533			45.0	24.0	7.8	.2	93
Wet Bulb	5367611	90347	58.9	5.300	1533			8.3	.3			93
Dew Point	4433019	81867	53.4	6.313	1533			1.6	.1			93

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

DATA PROCESSING BRA CH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-69 JUL

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WET BULB TEMPERATURE DEPRESSION F

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOTAL			
86/ 85																																					1	1		
84/ 83																																					1	1		
82/ 81															.1	.2																					5	5		
80/ 79															.1																						2	2		
78/ 77								.1							.1	.2	.1	.3																			11	11		
76/ 75						.1			.5						.7	.5	.3	.3																			33	33		
74/ 73						.1		.3	.7						.5	.5	.3	.1																			36	36		
72/ 71		.1				.1		.7	1.3						.7	.6	.3																				59	59	4	1
70/ 69			.3			.6	1.4	1.4		.8		.6			.2																						82	82	11	2
68/ 67		.1	.1			.5	1.6	1.4		.9		.3			.1																						77	77	25	6
66/ 65		.3	.6	1.7		2.1	2.1		1.0		.5																									127	127	57	21
64/ 63		.3	2.2	2.3		2.4	1.2		.7		.3																									143	143	94	34
62/ 61		.6	2.3	3.5		2.8	1.7		.3		.1																									173	173	150	92
60/ 59		.6	4.9	2.9		3.2	1.3		.5		.1																									206	206	190	125
58/ 57	1.5	4.3	4.5		2.1	1.0		.1																													206	206	227	183
56/ 55		.6	4.5	2.7		2.2		.4		.1																											161	161	226	187
54/ 53		.5	3.4	2.7		1.2		.1		.1																											123	123	225	209
52/ 51		.3	1.5		.7		.9		.1																												52	52	144	187
50/ 49			1.0		.5		.1																														24	24	101	169
48/ 47		.2	.4		.1																																10	10	53	126
46/ 45					.1																																1	1	24	92
44/ 43																																							1	50
42/ 41																																							1	35
40/ 39																																								8
38/ 37																																								4
36/ 35																																								2
TOTAL	4.8	25.5	23.0	21.0	13.2	6.6	3.7	1.4	.7		.1																									1533		1533	
																																			1533		1533	

Element X	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	9254282	117159	76.4	14.003	1533							
Dry Bulb	5812597	93881	61.2	6.429	1533			18.6	5.4	.8		93
Wet Bulb	4944470	86722	56.6	5.019	1533			2.6				93
Dew Point	4299592	81668	53.3	5.660	1533			.8				93

FORM 0-26-5 (CL A) JUL 64 USAFETAC

DATA PROCESSING BRA CH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-69

AUG

PAGE 1 0000-0200

WET BULB TEMPERATURE DEPRESSION

76/ 75					.1	.1					2	2			
74/ 73				.1					.1		2	2			
72/ 71				.1	.1			.1			4	4			
70/ 69		.1	.3	.4	.1	.1					16	16			
68/ 67		.3	.8	.9	.3	.1					36	36	4		
66/ 65	.2	1.3	1.7	1.0	.7	.1	.1				79	79	20	12	
64/ 63	.1	1.4	3.0	1.2	.3	.1					97	97	48	22	
62/ 61	.6	4.1	2.8	1.8	.8	.1					100	100	76	56	
60/ 59	1.1	5.9	3.2	1.3	.3	.1					186	186	182	104	
58/ 57	2.0	7.0	3.1	1.3							209	209	206	185	
56/ 55	1.8	8.2	3.2	.8							220	220	245	175	
54/ 53	1.8	6.6	2.3	.6							176	176	229	266	
52/ 51	2.1	8.2	2.4	.4							207	207	194	205	
50/ 49	1.0	3.8	1.1	.1							94	96	189	201	
48/ 47	.5	2.2	.2								46	46	101	161	
46/ 45	.6	.9	.2								26	27	52	94	
44/ 43	.3	.2	.1								8	8	18	62	
42/ 41	.1	.1									3	3	6	12	
40/ 39													1	8	
38/ 37														4	
TOTAL	12.1	50.3	24.3	9.8	2.6	.6	.1	.1	.1		1571.	1572	1571	1571	

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs	Mean No. of Hours with Temperature					
						< 0 F	< 32 F	< 67 F	> 73 F	> 80 F	> 93 F	Total
Rel. Hum.	11907043	136271	86.7	9.666	1571							
Dry Bulb	9110387	89221	56.8	5.442	1572			3.3	.2			93
Wet Bulb	4884373	85451	54.4	4.819	1571			.2				93
Dew Point	4599301	82755	52.7	5.052	1571							93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 AUG

PAGE 1 0300-0500

WET BULB TEMPERATURE DEPRESSION (F)

72/ 71				.1					1	1		
70/ 69							.1	.1	2	2		
68/ 67		.1	.1	.2	.2		.1		11	11		
66/ 65	.1	.4	.9	.4					28	28	4	1
64/ 63	.3	2.0	1.4	.7	.1	.1			73	73	24	10
62/ 61	.4	3.7	2.6	1.0	.3				130	130	73	46
60/ 59	1.3	7.0	3.0	.8	.2				201	201	122	88
58/ 57	2.0	7.7	2.5	.6	.2				213	213	227	183
56/ 55	1.7	7.8	1.8	.6	.2				197	197	213	179
54/ 53	2.5	7.9	1.7	.2					199	199	221	243
52/ 51	3.1	8.4	2.8	.2					237	237	232	224
50/ 49	2.6	4.2	1.2	.1					132	132	202	211
48/ 47	1.4	4.7	.2	.1					105	105	146	164
46/ 45	.9	2.2	.1						52	54	90	139
44/ 43	.7	1.2	.1						31	31	49	79
42/ 41	.7	.2							14	14	21	43
40/ 39	.1	.1							3	3	4	12
38/ 37											1	7
TOTAL	17.6	57.5	18.4	5.1	1.2	.1	.1	.1	1629	1631	1629	1629

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	13182933	145899	89.6	8.430	1629							
Dry Bulb	4952405	89451	54.8	5.342	1631			.8				93
Wet Bulb	4624771	86423	53.1	4.944	1629							93
Dew Point	4401449	84265	51.7	5.114	1629							93

Mean No. of Hours with Temperature

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 AUG

PAGE 1 0900-0800

WET BULB TEMPERATURE DEPRESSION

76/ 75						.1			1	1		
72/ 71	.1		.1	.1	.1		.2		8	8	1	1
70/ 69			.2	.2	.1	.1	.1		11	11	1	
68/ 67		.3	.6	.5	.3				29	29	2	1
66/ 65		.5	1.5	.7	.4				54	54	16	7
64/ 63	.2	2.6	1.6	.7	.2				93	93	34	16
62/ 61	.8	3.4	2.6	1.3	.4				153	154	105	66
60/ 59	.6	7.1	3.4	1.1	.1				214	214	155	102
58/ 57	1.7	8.0	2.7	.8	.3				236	236	231	185
56/ 55	1.7	8.8	2.4	.4	.1				235	235	273	229
54/ 53	1.8	8.2	2.3	.5					224	224	241	267
52/ 51	2.0	7.7	2.4	.2					217	218	243	245
50/ 49	1.7	4.8	1.1	.1					137	137	202	225
48/ 47	1.0	2.4	.2						63	64	125	188
46/ 45	1.2	1.8							53	53	77	111
44/ 43	.2	.4							11	12	29	65
42/ 41	.3	.2							13	13	14	30
40/ 39	.2	.1							5	5	7	15
38/ 37	.1								1	1	2	5
TOTAL	13.7	56.3	21.2	6.4	2.0	.1	.3			1762		1758
									1758		1758	

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	13851994	155284	88.3	8.778	1758							
Dry Bulb	9548638	98396	55.8	5.531	1762			2.6	.1			93
Wet Bulb	5134335	94603	53.8	4.974	1758			.2				93
Dew Point	4858048	91980	52.3	5.093	1758			.1				93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34055 SEMBACH AB GERMANY 53-72 AUG

PAGE 1 0900-1100

													Total	D.B.	W.B.	D.P.
86/ 85										.1	.1	.1	3	3		
84/ 83										.2			3	3		
82/ 81				.1	.1		.1	.1	.1	.1			8	8		
80/ 79				.1	.2	.1	.2	.2	.2	.1			20	20		
78/ 77				.1	.2	.5	.5	.2	.2	.1			27	27		
76/ 75			.1	.1	.5	.4	.9	.3	.1				38	38	1	
74/ 73				.2	1.0	1.0	.6	.3	.1				57	57	4	1
72/ 71		.1	.3	1.0	1.2	1.2	.5	.2	.1				79	79	5	3
70/ 69			.5	1.3	1.4	1.5	.5	.1					91	91	11	4
68/ 67		.1	1.4	1.8	1.8	1.7	.2						122	122	44	5
66/ 65		.7	2.1	2.7	2.1	1.1	.3						160	161	78	19
64/ 63	.1	1.6	2.5	3.8	2.3	1.1	.2						204	206	136	54
62/ 61	.1	2.9	2.5	3.3	2.1	.6	.1						202	202	170	89
60/ 59	.5	4.1	3.7	4.3	1.4	.2							250	250	253	160
58/ 57	.6	3.8	4.1	2.9	.7	.2							216	216	260	212
56/ 55	.4	2.8	2.8	1.7	.3								141	141	291	235
54/ 53	.1	3.0	1.5	.6	.1								93	93	226	234
52/ 51	.1	1.2	.7	.1									35	35	178	272
50/ 49	.1	.2	.1										5	5	70	206
48/ 47		.1											1	1	24	136
46/ 45															4	68
44/ 43																33
42/ 41																19
40/ 39																4
38/ 35																1
TOTAL	1.9	20.5	22.2	23.9	15.3	9.5	3.9	1.4	.7	.5	.1	.1	1755	1756	1755	1755

Element	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9908942	129744	73.9	13.448	1755							
Dry Bulb	6991684	110214	62.8	6.502	1756			23.7	8.3	1.6		93
Wet Bulb	5936389	100861	57.5	4.766	1755			3.4	.3			93
Dew Point	5134496	94488	53.8	5.194	1755			.7	.1			93

Mean No. of Hours with Temperature

USAFETAC FORM 0-26-5 (OL A)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 AUG

PAGE 1 1200-1400

90/ 89													.2	4	4		
88/ 87							.1	.1		.2	.1	.1		9	9		
86/ 85							.2	.1	.1	.2	.3	.1	.1	19	19		
84/ 83			.1		.1	.1	.1	.2	.5	.6	.2	.1	.1	36	36		
82/ 81					.1	.1	.5	.9	.5	.3	.3			48	48		
80/ 79				.1		.4	.6	1.0	.5	.3	.1			51	51	1	
78/ 77			.1		.1	.7	.9	1.0	.6	.1				59	59	1	
76/ 75				.1	.3	1.4	1.7	.9	.3	.2				86	86	6	1
74/ 73				.1	.8	1.6	1.8	1.3	.5	.1	.1			108	108	6	3
72/ 71			.1	.2	1.7	1.0	1.5	.9	.2	.1				100	100	7	4
70/ 69			.5	.9	2.4	2.1	2.0	.7	.1					152	152	35	5
68/ 67		.1	.7	1.1	2.3	3.4	2.0	.7						181	181	70	6
66/ 65		.6	1.5	2.1	3.1	1.9	1.1	.3						185	185	138	10
64/ 63	.1	1.0	1.4	2.6	3.1	2.8	.8	.1						208	208	163	57
62/ 61	.2	1.3	1.7	2.6	3.2	1.7	.1							189	189	219	111
60/ 59	.3	1.4	1.5	2.3	1.6	.7	.2							141	141	236	154
58/ 57		1.4	1.5	.9	1.0	.2								89	89	267	162
56/ 55	.1	1.5	.6	.9	.1									59	59	252	199
54/ 53		.9	.5	.2										26	26	207	238
52/ 51		.2	.2											6	6	103	242
50/ 49																36	201
48/ 47																9	144
46/ 45																	119
44/ 43																	56
42/ 41																	30
40/ 39																	8
38/ 37																	4
36/ 35																	2
TOTAL	.8	8.3	1[illegible].3	14.[illegible]	[illegible].0	18.1	13.6	8.1	3.0	2.1	1.0	.3	.4	1756	1756	1756	1756

Element	Σx²	Σx	x̄	σx	No. Obs			≥67 F	≥73 F	≥80 F	≥93 F	
Rel. Hum.	7286637	110047	62.7	14.909	1756							
Dry Bulb	8046552	118138	67.3	7.496	1756			45.2	22.2	7.3		93
Wet Bulb	6147886	103528	59.0	5.019	1756			6.7	.7	.1		93
Dew Point	5046609	93593	53.3	5.759	1756			1.0	.2			93

USAFETAC FORM 0-26-5

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34058 SEMBACH AB GERMANY 53-72 AUG

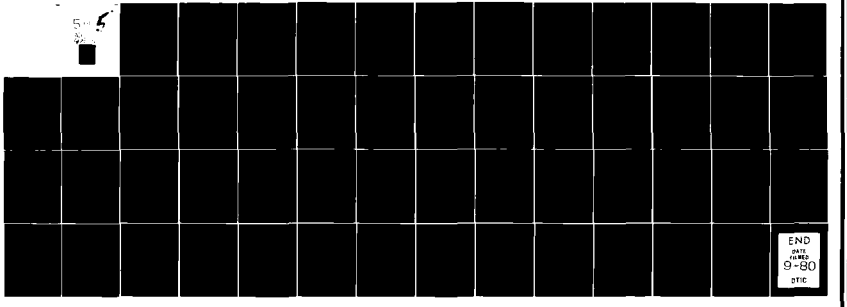
PAGE 1 1500-1700

92/ 91							.1						.1	.1	4	4		
90/ 89								.1			.1	.1			5	5		
88/ 87											.3	.6	.1	.1	1?	1?		
86/ 85					.1		.1	.3	.3	.2	.2	.1	.2		25	25		
84/ 83			.1		.1		.3	.4	.7	.8	.2	.1		.1	47	47		
82/ 81						.2	.4	1.?	.9	.7	.2				59	59		
80/ 79						.1	.8	.9	.7	.6	.1				54	56	3	
78/ 77						.6	1.2	.9	.6	.5	.2				[illegible]	68		2
76/ 75					.2	1.3	1.0	1.6	.9	.2	.1				93	93	4	1
74/ 73				.1	1.1	2.2	1.7	1.3	.5	.1	.1				123	123	1	
72/ 71			.1	.5	1.3	2.0	1.9	1.4	.3						13?	131	14	1
70/ 69			.3	.7	1.6	2.4	2.5	1.7	.3						16?	15?	36	3
68/ 67		.2	.5	1.?	1.3	3.3	2.5	.6	.1						17?	17?	79	7
66/ 65		.2	.6	1.4	2.9	2.4	1.9	.1							167	168	132	1?
64/ 63		1.3	1.4	2.5	2.5	2.3	1.1	.1							197	197	161	44
62/ 61	.2	1.5	1.2	2.0	2.3	1.6	.3	.2							165	165	216	105
60/ 59	.2	1.3	1.?	1.4	1.4	.1	.1								98	96	248	152
58/ 57	.2	1.2	1.4	.6	.7	.1									74	74	280	159
56/ 55		1.9	.9	.5	.2										60	60	246	202
54/ 53		.6	.3	.1											18	15	187	226
52/ 51		.2	.1												5	5	88	230
50/ 49																	31	203
48/ 47																	6	158
46/ 45																		113
44/ 43																		75
42/ 41																		29
40/ 39																		9
38/ 37																		7
36/ 35																		5
TOTAL	.6	8.4	7.8	11.1	15.6	18.6	16.0	11.6	5.3	3.1	1.5	.9	.3	.2	1752	1753	1752	1752

	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs				
Rel Hum	6738454	105044	60.0	15.859	1752				
Dry Bulb	8313953	119947	68.4	7.805	1753	51.4	26.5	10.1	93
Wet Bulb	6190732	103782	59.2	4.960	1752	7.3	.4		93
Dew Pt	4981038	92854	53.0	5.548	1752	.7	.2		93

USAFETAC

AD-A087 621 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
SEMBACH AB, GERMANY, REVISED UNIFORM SUMMARY OF SURFACE WEATHER--ETC(U)
SEP 74
UNCLASSIFIED USAFETAC/DS-80/061 NL



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 51-71 AUG

PAGE 1 1800-2000

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB	TOTAL WB	Dew Pt	Wet Bulb
88/ 87										.1		.1						2	2		
86/ 85					.1	.1		.1			.2		.1					10	10		
84/ 83						.1	.1		.1	.1	.1	.2						12	12		
82/ 81					.1	.1	.2	.2	.4	.2								21	21		
80/ 79					.2	.3	.3	.6	.6	.3	.1							36	36		
78/ 77				.1	.1	.3	.4	.6	.4	.1								36	36	1	
76/ 75			.1	.2	.4	1.1	.5	.8	.3	.1								55	55	1	
74/ 73			.1	.4	.9	1.5	1.1	.3	.3									73	73	6	1
72/ 71			.1	.5	1.1	1.9	1.3	.8	.1									89	89	8	2
70/ 69			.7	1.1	1.8	2.0	1.2	.6	.1									118	118	18	7
68/ 67		.3	1.0	1.7	2.2	2.1	.7	.3										129	129	45	8
66/ 65		.7	2.1	2.0	2.4	2.3	1.1	.2										172	172	96	19
64/ 63	1.4	2.5	3.2	2.8	1.6	.4	.1											188	188	144	49
62/ 61	.4 2.3	1.8	2.9	2.4	1.1	.3												177	177	184	96
60/ 59	.4 2.7	2.2	2.7	1.5	.3	.1												159	159	216	138
58/ 57	.4 2.3	2.9	1.6	.6	.3	.1												131	131	221	191
56/ 55	.3 2.3	2.4	.6	.1														91	91	236	178
54/ 53	.1 1.4	1.1	.3	.1														49	49	191	209
52/ 51	.3 .7	.5	.1															25	25	137	186
50/ 49	.2	.1																4	4	40	211
48/ 47																				19	120
46/ 45																				4	81
44/ 43																					46
42/ 41																					16
40/ 39																					9
38/ 37																					7
36/ 35																					3
TOTAL	2.0 14.3	17.6	17.5	16.6	15.3	7.9	4.8	2.3	.9	.5	.2	.1						1577		1577	1577
																		1577			

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7809601	108248	68.6	18.527	1577							
Dry Bulb	6733440	102422	64.9	7.187	1577			36.2	16.4	3.9		93
Wet Bulb	5383716	91810	58.2	4.936	1577			4.7	.8			93
Dew Point	4589112	84854	53.8	5.709	1577			1.1	.1			93

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 51-70 AUG
STATION NAME

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL DB	TOTAL WB	TOTAL Dry Bulb	TOTAL Wet Bulb / Dew Point
78/ 77					.1	.1	.1	.1										4	4		
76/ 75					.2	.1	.1		.1	.1								9	9		
74/ 73			.2	.1	.2	.1	.1	.1										13	13		
72/ 71		.1	.2	.4	.6	.3	.1	.1										28	28		
70/ 69		.1	.4	1.3	.8	.6	.1											51	51	6	
68/ 67	.1	.7	1.1	1.9	1.5	.3	.1	.1										91	91	19	7
66/ 65	.1	.9	1.8	2.4	1.1	.2	.1											102	102	36	16
64/ 63	.2	1.6	2.5	2.7	1.3	.4	.1											137	137	86	40
62/ 61	.5	4.4	3.0	2.7	1.2	.1												187	187	126	70
60/ 59	.8	5.7	4.0	2.5	.8													219	219	200	138
58/ 57	1.2	5.5	4.3	2.0	.6	.1												219	219	218	203
56/ 55	.9	5.6	3.9	1.3	.2													187	187	234	180
54/ 53	1.0	4.9	3.0	1.3	.3													164	164	229	227
52/ 51	1.0	4.1	1.3	.2	.2													106	106	181	209
50/ 49	.2	1.5	.5															55	55	136	202
48/ 47	.3	.4	.2															14	14	86	136
46/ 45	.1	.1	.1															4	4	18	80
44/ 43																				2	43
42/ 41																					9
40/ 39																					3
38/ 37																					1
TOTAL	6.8	35.7	26.5	18.9	9.2	2.4	.6	.2	.1	.1								1870	1870	1870	1870

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	105739[illegible]26	127552	81.2	11.601	1570							
Dry Bulb	8398846	99332	59.4	8.672	1570			11.6	1.5			93
Wet Bulb	6946072	87802	55.9	6.774	1570			1.5				93
Dew Point	4521[illegible]4	83852	51.4	8.251	1570			.4				93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94056 SEMBACH AB GERMANY 53-68,71 SEP

PAGE 1 0000-0200

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
72/ 71				.1	.1													2	2		
70/ 69					.1	.1												3	3		
68/ 67			.1	.3	.1													8	8		
66/ 65			.8	.8	.1													25	25	1	
64/ 63		.6	1.5	.5	.2													40	40	6	2
62/ 61	.3	1.8	1.7	.7	.2													68	68	36	12
60/ 59	1.0	3.2	2.2	1.2	.3	.1												144	144	91	49
58/ 57	2.2	3.0	2.3	.6	.3													152	152	131	127
56/ 55	1.7	3.7	1.6	1.2	.1	.1												153	153	155	144
54/ 53	1.6	7.0	3.1	.7	.3													187	187	153	139
52/ 51	2.6	6.7	1.7	1.2	.1													178	178	191	178
50/ 49	2.3	7.1	1.6	.6	.3													171	171	210	176
48/ 47	2.4	4.8	.6	.3	.3													121	121	150	199
46/ 45	1.6	4.2	.5	.1														93	93	129	133
44/ 43	1.2	2.3	.2	.1														54	54	89	108
42/ 41	.7	1.2	.1	.1														31	31	44	71
40/ 39	.3	.5																12	12	31	50
38/ 37	.2	.1	.1															7	7	10	28
36/ 35	.3																	4	4	6	24
34/ 33																					2
32/ 31																					10
30/ 29																					1
TOTAL	18.4	52.1	18.0	8.3	2.8	.3													1453		1453
																		1453		1453	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11382946	127736	87.9	10.172	1453							
Dry Bulb	4135675	77101	53.1	8.902	1453			.8				90
Wet Bulb	3830876	74200	51.1	8.842	1453							90
Dew Point	3000180	71004	49.8	8.974	1453		.7					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 SEP

STATION STATION NAME YEARS MONTH

PAGE 1 0300-0900

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.	W.B. Dry Bulb	TOTAL Wet Bulb	Dew Point
68/ 67				.1		.1												3	3		
66/ 65			.1	.3	.1													8	8		
64/ 63		.3	1.0	.1														21	21	1	
62/ 61	.1	1.7	1.1	.3														48	48	20	6
60/ 59	.5	3.9	2.1	.3														103	103	57	32
58/ 57	2.3	5.0	1.9	.3														143	143	139	102
56/ 55	1.7	6.7	1.4	.3	.1													153	153	130	136
54/ 53	2.1	5.4	2.0	.3														148	148	172	147
52/ 51	3.6	9.9	1.1	.6	.1													231	231	172	179
50/ 49	2.7	6.9	1.3	.5														172	172	216	188
48/ 47	3.6	4.7	1.3	.4														151	151	177	196
46/ 45	1.9	4.2	1.3	.2														115	114	124	139
44/ 43	2.1	3.2	.3	.1														84	84	130	107
42/ 41	2.4	1.8	.2															66	66	86	112
40/ 39	.7	1.3	.1															35	35	49	75
38/ 37	.6	.5	.1															12	12	26	46
36/ 35	.6																	9	9	13	27
34/ 33	.1																	2	2	2	14
32/ 31																					2
TOTAL	25.2	55.8	15.1	3.6	.2	.1													1512		1510
																		1510		1510	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	12816814	136928	90.7	8.128	1510							
Dry Bulb	4026041	77487	51.2	6.068	1512			.2				90
Wet Bulb	3791366	73104	49.8	5.750	1510							90
Dew Point	3609794	73274	48.8	5.998	1510		.1					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 STATION — SEMBACH AB GERMANY STATION NAME — 53-72 YEARS — SEP MONTH

 0600-0800 HOURS

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B. W.B	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67			.1	.2														5	5		
66/ 65			.1	.2		.1												5	5		
64/ 63		.4	.7	.2	.1													24	24	3	
62/ 61	.2	1.6	.8	.3	.1													49	48	22	8
60/ 59	.3	4.7	2.2	.1														124	124	62	35
58/ 57	1.4	3.9	1.5	.7														125	125	140	109
56/ 55	2.8	6.5	1.6	.1	.1													184	184	143	134
54/ 53	2.4	6.7	1.9	.6														193	193	190	164
52/ 51	3.2	8.3	1.6	.4	.1													226	226	212	193
50/ 49	3.0	7.9	1.1	.2	.1													203	203	217	232
48/ 47	2.2	4.7	1.2	.2	.1													139	139	187	186
46/ 45	2.0	4.7	.8	.1														134	134	157	180
44/ 43	1.9	3.0	.7	.1														104	105	122	130
42/ 41	1.8	1.8	.2	.1														64	64	94	102
40/ 39	1.3	1.0	.2															40	41	53	83
38/ 37	1.3	.7	.1															34	36	48	57
36/ 35	.4	.3																11	16	16	32
34/ 33	.1																	2	2	3	19
32/ 31	.1																	2	2	2	2
30/ 29																					2
TOTAL	25.0	56.8	14.3	3.4	.4	.1													1677		1668
																		1668		1668	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	13883271	181268	90.7	7.976	1668							
Dry Bulb	4496208	85909	51.3	6.272	1677		.1	.2				90
Wet Bulb	4169772	82316	49.4	5.877	1668		.1					90
Dew Point	3960884	80732	48.4	6.068	1668		.2					90

USAFETAC FORM 0-26-5 (OL A) 84-1 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 SEP

PAGE 1 0900-1100

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL D.B. & W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30	+31												
82/ 81									.1																		1	1		
80/ 79								.1																			1	1		
78/ 77						.1	.1	.2		.1																	7	7		
76/ 75						.2	.2	.1																			8	8		
74/ 73					.2	.3	.4	.1																			19	19		
72/ 71			.1	.1	.6	.4	.2	.1																			24	24		
70/ 69				.8	1.0	.3	.2	.1	.1																		43	43		
68/ 67		.1	.2	1.4	1.0	.7	.3	.1																			64	64	4	
66/ 65		.1	1.0	1.6	1.7	.3	.2	.1																			86	86	16	2
64/ 63	.2	1.3	2.7	2.2	1.4	.8	.1	.1																			148	148	62	9
62/ 61	.2	1.8	3.4	1.9	1.1	.9	.2	.1																			160	160	100	39
60/ 59	.2	2.3	3.0	2.7	1.2	.2	.1																				187	187	162	102
58/ 57	1.0	3.7	3.7	2.4	1.1	.4																					206	206	214	190
56/ 55	.7	4.0	3.0	1.4	.8	.2																					218	218	206	172
54/ 53	.9	4.6	4.0	.8	.4	.2																					189	189	231	194
52/ 51	.5	3.9	2.7	1.0	.2	.1																					140	140	247	226
50/ 49	.3	3.2	1.6	.4																							92	92	189	218
48/ 47	.3	1.6	.8		.1																						47	69	116	187
46/ 45	.4	.9	.3																								30	30	74	149
44/ 43	.2	.4	.2																								12	12	38	91
42/ 41	.1	.2																									5	5	15	53
40/ 39	.2																										3	3	7	29
38/ 37		.1																									1	1	1	24
36/ 35																														11
34/ 33																														5
32/ 31																														2
TOTAL	5.4	29.4	28.9	16.7	10.6	5.5	2.0	.8	.1	.1																		1682		1680
																											1680		1680	

Element (X)	Σ_X^2	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10583554	131038	78.0	13.278	1680							
Dry Bulb	8728888	97836	58.0	6.678	1682			8.9	1.9	.1		90
Wet Bulb	4930310	90832	53.9	5.203	1680			.2				90
Dew Point	4223109	83338	50.0	5.768	1680		.1					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 SEP

PAGE 1 1200-1400

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F): 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
88/ 87										.1			.1					2	2		
86/ 85										.1	.1	.1						3	3		
84/ 83									.2	.1	.1		.1					7	7		
82/ 81								.2	.3	.1	.1							11	11		
80/ 79						.1	.2	.4	.2	.1	.1							18	18		
78/ 77						.2	.7	.5	.2	.1								29	29		
76/ 75					.1	.3	.8	.5	.2	.1								32	32		
74/ 73				.1	.7	1.4	1.1	.5	.4	.1								72	72		
72/ 71			.1	.2	.9	2.4	1.5	.6	.1	.1								100	100		
70/ 69				1.0	1.5	2.6	1.0	.5	.4	.1								117	117	8	
68/ 67		.1	.4	1.8	2.1	1.5	.8	1.0	.1									131	131	25	1
66/ 65	.1	.1	1.7	1.8	2.3	1.7	1.5	.7		.1								165	165	56	6
64/ 63	.1	.7	2.3	1.5	2.3	2.0	.8	.2										168	168	117	19
62/ 61	.2	1.0	1.8	3.1	2.6	1.1	.5	.2										179	179	183	51
60/ 59	.2	1.0	1.7	3.1	2.3	1.3	.3											168	168	213	122
58/ 57		1.8	2.1	3.3	1.5	.5	.1											154	154	187	154
56/ 55	.6	2.4	2.1	2.0	1.2	.5	.1											151	151	231	169
54/ 53	.2	1.4	1.5	1.1	.8	.1	.1											87	87	249	176
52/ 51	.1	1.2	.8	.6	.3													51	51	188	195
50/ 49	.2	.7	.2	.2														22	22	126	189
48/ 47		.2	.3	.2														12	12	68	192
46/ 45	.1																	1	1	35	135
44/ 43		.1																1	1	15	81
42/ 41																				2	62
40/ 39																					37
38/ 37																					28
36/ 35																					19
34/ 33																					7
32/ 31																					1
30/ 29																					2
28/ 27																					1
TOTAL	1.6	10.4	15.2	19.9	19.0	15.6	9.6	5.1	2.1	.8	.2	.1	.1					1681	1681	1681	1681

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7713748	111008	66.0	15.109	1681							
Dry Bulb	87899894	106150	63.1	7.177	1681			27.9	9.3	1.6		90
Wet Bulb	83888974	94222	56.1	8.241	1681			1.8				90
Dew Point	44801469	88228	50.9	6.333	1681		.2	.1				90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 SEP

PAGE 1 1500-1700

Temp. F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
90/ 89												.1						1	1		
88/ 87											.1		.1					2	2		
86/ 85											.3	.1	.1					8	8		
84/ 83									.1	.1			.2					7	7		
82/ 81							.7	.4	.5									25	25		
80/ 79					.1		.2	.4	.2	.2	.1							20	20		
78/ 77						.2	.5	.7	.6	.1	.1							36	36		
76/ 75						.4	1.4	.4	.7	.1								49	49		
74/ 73				.2	.2	.9	1.6	.7	.4									64	64		
72/ 71			.1	.3	1.4	2.9	1.8	.8	.5	.1								134	134	1	
70/ 69			.2	1.6	1.8	2.8	.8	.7	.6	.2	.1							148	148	4	1
68/ 67		.1	.7	1.1	1.8	2.4	.8	.6	.3	.1								131	131	24	
66/ 65		.1	1.0	1.7	2.0	1.7	1.3	.8	.1									144	144	70	3
64/ 63		.4	1.7	1.9	2.7	2.4	.8	.8										172	172	132	15
62/ 61	.3	1.3	1.5	1.6	2.9	1.8	.1	.2										164	164	198	53
60/ 59	.2	1.2	1.6	3.3	2.4	.8	.2											164	164	204	109
58/ 57	.3	1.4	1.4	1.7	1.0	.6	.1											110	110	184	166
56/ 55	.4	1.6	1.7	2.0	1.3	.7	.2											133	133	211	186
54/ 53	.2	1.4	1.6	1.1	.3	.3												81	81	237	179
52/ 51	.3	1.1	.7	.6	.1													47	47	181	172
50/ 49		.9	.3	.2														23	23	109	203
48/ 47	.1	.2	.2	.1														9	9	70	179
46/ 45		.2	.1															6	6	37	135
44/ 43		.1																1	1	12	84
42/ 41																				3	75
40/ 39																					46
38/ 37																					37
36/ 35																					17
34/ 33																					10
32/ 31																					4
30/ 29																					3
TOTAL	1.6	10.1	12.6	18.0	18.1	17.9	9.7	6.6	2.8	1.5	.7	.2	.3					1677	1677		1677
																		1677		1677	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	7270602	107102	63.9	18.888	1677							
Dry Bulb	6988998	107479	64.1	7.033	1677			93.4	11.4	2.8		90
Wet Bulb	5585487	94409	56.4	8.252	1677			1.6				90
Dew Point	4389819	88111	50.8	6.475	1677		.6	.1				90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-68,71-72 SEP

PAGE 1 1800-2000

Temp °F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	TOTAL D.B.	W.B.	TOTAL Dew Point	Wet Bulb	Dew Point
84/ 83											.1	.1						2	2			
82/ 81								.1										1	1			
80/ 79							.1	.2	.2									5	5			
78/ 77						.1	.2	.1	.2	.1								13	13			
76/ 75					.1	.1	.5	.1	.1	.1								14	14			
74/ 73				.1	.4	.8	.2	.2	.1									26	26			
72/ 71				.6	.7	.8	.3	.2	.1									39	39			
70/ 69			.3	1.0	1.2	1.3	.7	.3	.1									70	70	1		
68/ 67		.1	.8	1.8	1.8	.6	.1	.6	.3									86	86	9		
66/ 65		.1	2.1	2.3	1.7	1.2	.3	.1										112	112	39		1
64/ 63	.1	1.0	3.1	2.1	1.3	.8	.6	.3										137	137	69		21
62/ 61	.2	1.6	3.2	1.8	1.4	.9	.3	.1	.1									143	143	133		45
60/ 59	.4	2.9	2.3	2.8	.8	.3	.2	.1										142	142	177		101
58/ 57	.6	3.6	2.6	3.3	1.0	.3	.1											166	166	176		154
56/ 55	.7	3.3	3.3	2.0	.8	.1	.1											152	152	167		171
54/ 53	.5	2.8	3.1	1.4	.3	.1	.1											120	120	187		190
52/ 51	.3	3.7	1.9	1.0	.1	.1												104	104	169		159
50/ 49	.4	1.8	1.1	.4														54	54	156		175
48/ 47		.9	.6	.3	.1													27	27	75		150
46/ 45	.2	.8	.4															20	20	86		103
44/ 43	.1	.3	.1															7	7	27		89
42/ 41		.1																2	2	10		55
40/ 39		.1																1	1	4		20
38/ 37																				1		24
36/ 35																						13
34/ 33																						5
32/ 31																						5
30/ 29																						1
28/ 27																						4
TOTAL	2.7	23.0	25.0	20.7	11.8	7.7	4.0	2.4	1.5	.2	.1	.1							1446		1446	
																		1446		1446		

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8347277	107721	74.5	14.960	1446							
Dry Bulb	8266192	86662	59.9	7.076	1446			14.1	4.0	.3		90
Wet Bulb	4405879	79422	54.9	8.469	1446			.8				90
Dew Point	3849054	74008	51.2	6.827	1446		.8					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-68,71 SEP

PAGE 1 2100-2300

Type	WET BULB TEMPERATURE DEPRESSION °F																											TOTAL		TOTAL	
°F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	D.B.	W.B.	Dry B.	Wet B.	Dew P.
74/ 73											.1		.1		.1																4	4			
72/ 71									.2		.1																				5	5			
70/ 69					.1		.2		.4		.1																				12	12			
68/ 67			.1		.8		.6		.3		.1		.1																		30	30			
66/ 65			.3		.7		1.2		.4		.1		.2																		42	42	8		1
64/ 63		.1	1.0		1.7		1.8		.9		.3		.1																		84	84	33		10
62/ 61		.1	3.1		3.2		1.2		.8		.3		.1																		128	128	40		25
60/ 59		.9	5.5		2.3		1.4		.7		.2		.2																		164	164	139		68
58/ 57		1.5	4.1		2.5		1.0		.3		.2		.1																		141	141	169		140
56/ 55		1.1	5.6		2.2		1.1		.9		.2		.1																		163	163	168		163
54/ 53		1.5	6.9		3.7		.6		.3		.1		.1																		192	192	171		157
52/ 51		1.4	6.5		3.2		.8		.3		.2																				178	178	175		162
50/ 49		.9	6.1		1.3		.2		.2																						126	126	208		167
48/ 47		.4	3.9		1.1		.2																								83	83	161		195
46/ 45		.6	1.6		.8																										42	42	92		122
44/ 43		.7	1.0		.4		.1																								32	32	53		93
42/ 41		.3	.7																												14	14	33		57
40/ 39		.1	.1		.1																										5	5	12		30
38/ 37		.1	.1																												3	3	6		28
36/ 35																																			15
34/ 33																																			7
32/ 31																																			3
30/ 29																																			2
28/ 27																																			3
TOTAL		9.6	46.5		24.0		10.6		5.9		2.2		1.1		.1																	1448		1448	1448
																															1448		1448		

Element X	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10421038	121582	84.0	12.114	1448							
Dry Bulb	4494402	80190	55.4	6.080	1448			3.2	.2			90
Wet Bulb	4039247	76071	52.5	5.441	1448							90
Dew Point	3719128	72848	50.3	6.120	1448		.5					90

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-67,71-72 OCT

T	WET BULB TEMPERATURE DEPRESSION F																											TOTAL	TOTAL		
F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Dew Point	Wet Bulb		
64/ 63								.1																				2	2		
62/ 61							.3	.1																				5	5		
60/ 59			.6	1.0		.4																						27	27		
58/ 57		.2	1.8		.8	.1																						40	40	12	8
56/ 55		.8	3.4	1.1		.1																						78	78	82	33
54/ 53		1.3	5.1	1.2		.4																						113	113	87	80
52/ 51		1.3	5.0		.9	.1	.1	.1																				108	108	107	112
50/ 49		2.0	6.7	1.8		.4																						154	154	124	107
48/ 47		2.5	6.2	2.0		.4	.1																					159	159	144	145
46/ 45		2.7	7.5		.9	.6	.2																					169	169	168	187
44/ 43		3.5	5.6	1.1		.1																						145	147	178	158
42/ 41		2.4	3.9		.3																							93	93	135	139
40/ 39		3.6	4.8		.6	.1																						129	129	124	143
38/ 37		2.7	2.5		.6																							82	82	106	123
36/ 35		2.3	1.1		.2																							51	51	69	89
34/ 33		1.6	1.1		.1																							39	39	47	72
32/ 31		.4	.6																									14	14	20	29
30/ 29		.6	.1																									10	10	15	32
28/ 27		.2																										3	3	3	12
26/ 25																															2
TOTAL		28.1	55.8	12.5	2.9	.6	.1																						1423		1421
																												1421		1421	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	11721281	128585	90.4	8.666	1421							
Dry Bulb	3076860	65486	46.0	6.667	1423		1.8					93
Wet Bulb	2889337	63447	44.6	6.317	1421		2.5					93
Dew Point	2720889	61469	43.2	6.602	1421		6.9					93

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

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 OCT

T	WET BULB TEMPERATURE DEPRESSION F																									TOTAL		TOTAL	
F	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	+	OBS	WBT	OBS	WBT
64/ 63									.1																		1	1		
62/ 61							.1																				1	1		
60/ 59				.3	.7	.3	.1	.1																			22	22		
58/ 57			1.5	.5	.1																						30	30	9	2
56/ 55		1.1	3.6	.7																							82	82	72	34
54/ 53		.9	4.8	.9																							100	101	76	79
52/ 51		1.9	3.6	.9	.1																						98	98	118	114
50/ 49		1.9	5.8	.9	.4	.1																					138	138	115	103
48/ 47		3.0	5.4	1.6	.1																						151	151	128	129
46/ 45		3.4	6.8	1.3	.2																						176	176	164	137
44/ 43		3.4	5.4	1.0	.1																						151	153	185	141
42/ 41		2.6	4.1	.5	.3																						114	116	132	161
40/ 39		3.8	4.0	.1	.1																						120	120	141	144
38/ 37		3.6	3.4	.1																							108	110	112	139
36/ 35		2.7	2.8	.4																							89	89	93	107
34/ 33		2.6	1.3																								60	62	79	86
32/ 31		1.8	1.3	.1																							48	48	54	70
30/ 29		.3	.3																								9	9	18	32
28/ 27		.5	.1																								9	9	11	21
26/ 25		.1																									2	2	2	8
24/ 23																														1
22/ 21		.1																									1	1	1	1
20/ 19																														1
TOTAL		33.8	54.6	9.7	1.6	.3	.1																					1519		1510
																											1510		1510	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						< 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Rel. Hum	12787090	138418	91.7	7.782	1509							
Dry Bulb	9107400	67856	44.7	7.084	1519		4.2					93
Wet Bulb	2932280	65750	43.5	6.778	1510		5.2					93
Dew Point	2782172	63958	42.4	6.970	1510		8.3					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 OCT

PAGE 1 0600-0800

	WET BULB TEMPERATURE DEPRESSION F																							TOTAL	TOTAL		
F	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	D.B.	W.B.	Dew Pt.	
62/ 61				.1	.1	.1																		5	5		
60/ 59				.4	.1	.1																		10	10		
58/ 57	.1	1.2		.9	.2																			40	40	9	2
56/ 55	1.1	2.9		.5																				76	76	55	32
54/ 53	1.6	5.4		.6																				128	131	121	81
52/ 51	2.4	4.1		.6	.2																			125	125	132	142
50/ 49	1.6	5.5	1.1	.2																				141	141	119	130
48/ 47	2.1	6.2		.9	.1																			158	158	121	104
46/ 45	3.2	5.3	1.1	.2																				167	167	199	160
44/ 43	2.8	5.5		.9	.1																			158	158	153	168
42/ 41	3.4	5.2		.6	.1																			158	160	177	197
40/ 39	3.1	3.9		.2																				122	126	154	173
38/ 37	3.9	3.2		.6																				131	135	124	153
36/ 35	2.8	2.2		.3																				90	95	106	117
34/ 33	3.4	1.8		.2																				91	93	101	120
32/ 31	2.3	.7		.1																				52	52	74	78
30/ 29	.6	1.2		.1																				32	32	31	48
28/ 27	.2	.3																						8	8	15	29
26/ 25	.2	.1																						4	4	9	14
24/ 23	.1																							1	1	1	7
22/ 21																											2
TOTAL	34.7	54.7	9.1	1.3	.1																			1697	1718	1697	1697

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	14365771	155502	91.7	7.548	1696							
Dry Bulb	9447209	75855	44.2	7.331	1715		8.3					93
Wet Bulb	9242516	73212	43.1	7.038	1697		6.9					93
Dew Point	8075925	71193	42.0	7.253	1697		9.8					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 OCT

PAGE 1 0900-1100

Temp F	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.	TOTAL W.B.	TOTAL Dew Point	
72/ 71					.1	.1	.1											3	3		
70/ 69				.1		.1												2	2		
68/ 67					.1	.1												3	3		
66/ 65			.1	.2	.2	.1												10	10		
64/ 63			.2	.5	.3		.1											19	19	2	
62/ 61			.8	1.0	.2	.2												37	37	3	
60/ 59	.1	.6	1.6	1.0	.1	.2												60	60	16	5
58/ 57	.2	2.6	1.6	.4	.3		.1											88	88	52	10
56/ 55	.3	4.4	2.1	.7	.2	.2	.1											140	140	124	61
54/ 53	.7	5.2	3.0	.9	.3													171	172	140	126
52/ 51	1.1	4.8	2.9	.8	.2	.2												168	169	150	156
50/ 49	1.0	4.7	3.9	1.0	.2													181	184	169	158
48/ 47	1.3	5.2	2.8	.8	.3													180	180	187	152
46/ 45	1.3	5.5	2.0	.5	.2													165	166	189	174
44/ 43	1.6	3.3	1.9	.4														149	149	195	178
42/ 41	1.8	3.6	1.1	.3														115	117	172	163
40/ 39	1.1	2.6	.9	.1	.1													84	88	115	160
38/ 37	1.3	1.7	.7	.1														65	66	82	128
36/ 35	1.1	.8	.1															35	35	65	101
34/ 33	.4	.6																18	18	19	91
32/ 31	.1	.4																7	7	19	50
30/ 29	.1	.1																4	4	6	20
28/ 27	.1																	1	1	2	8
26/ 25																					2
24/ 23																					1
22/ 21																					2
18/ 17																					1
TOTAL	14.1	48.0	23.4	8.6	2.8	.9	.2												1718		1707
																		1707		1707	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	12330020	145008	85.0	11.046	1707							
Dry Bulb	4161087	83702	48.7	6.976	1718		.0	.4				93
Wet Bulb	3745702	79229	46.4	6.320	1707		1.5					93
Dew Point	3412020	75494	44.2	6.732	1707		4.0					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 OCT

PAGE 1 1200-1400

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1-2	3-4	5-6	7-8	9-10	11	12	13-14	15	16	17-18	19	20	21	22-23	24-25	26-27	28-29	30	TOTAL D.B.	TOTAL W.B.	TOTAL Dew Point
78/ 77									.1												1	1	
76/ 75								.2	.1												4	4	
74/ 73							.2	.2			.1										8	8	
72/ 71						.1	.2	.1	.1												9	9	
70/ 69					.1	.2	.2	.1			.2										13	13	
68/ 67					.1	.4	.7	.2	.3												29	29	
66/ 65				.1	.9	1.2	.8	.2													55	55	2
64/ 63				.7	1.5	1.2	.5	.3	.2												82	82	14
62/ 61		.1	1.7	2.5	1.6	.6	.3	.1													119	119	14	1
60/ 59	.1	.8	2.9	2.7	1.3	.7	.2	.1													152	152	47	11
58/ 57		1.2	3.6	2.4	1.6	.2	.1														158	158	120	30
56/ 55	.6	2.8	1.8	3.0	1.1	.4	.1	.1													170	170	201	93
54/ 53	.3	2.4	3.9	2.6	1.3	.6	.1														196	196	192	122
52/ 51	.4	2.5	3.7	2.4	1.2	.4															183	183	169	205
50/ 49	.3	2.0	3.4	2.3	1.0	.2															159	159	220	168
48/ 47	.2	2.3	2.4	1.3	.3																115	118	171	162
46/ 45	.3	2.7	1.6	.9	.2	.1															102	102	175	171
44/ 43	.3	1.7	1.3	.4	.2																68	69	148	182
42/ 41	.2	1.4	.3	.1	.1	.1															39	41	99	139
40/ 39	.3	1.1	.6	.2																	27	27	60	128
38/ 37	.1	.3		.1																	9	9	38	95
36/ 35	.2	.1	.1																		6	6	17	88
34/ 33	.1	.1																			3	3	8	48
32/ 31																							2	31
30/ 29																								12
28/ 27																								11
26/ 25																								5
24/ 23																								3
22/ 21																								1
20/ 19																								1
18/ 17																								1
TOTAL	3.6	21.4	28.2	23.6	13.5	5.9	2.3	1.0	.2												1717	1720	1717	1717

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	9058896	126800	73.7	16.052	1717							
Dry Bulb	8101951	92861	54.0	7.176	1720			3.8	.7			93
Wet Bulb	4884008	84848	49.4	6.007	1717		.1					93
Dew Point	3805692	77782	45.3	6.916	1717		3.8					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 OCT

PAGE 1 1500-1700

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DB WB	TOTAL Wet B.	Dew Point
78/ 77															.1																		1	1		
76/ 75													.1		.2																		5	5		
74/ 73											.1		.3																				7	7		
72/ 71									.2		.3		.4		.1																		16	16		
70/ 69							.1		.1		.4		.1				.1																12	12		
68/ 67							.1		.4		.7		.4		.4																		32	32		
66/ 65					.1		.7		1.4		.9		.4		.1		.2																64	64	2	
64/ 63					.2		1.6		1.4		.7		.3		.1																		75	75	13	
62/ 61			.3		2.2		2.2		2.7		1.1		.2		.2																		151	151	24	3
60/ 59	.1		.5		2.6		3.1		1.8		.5		.2		.1																		149	149	43	8
58/ 57			1.4		2.9		2.4		1.6		.2		.2																				150	150	145	27
56/ 55	.3		2.7		2.5		3.9		1.1		.8		.1		.2																		199	199	187	103
54/ 53	.3		2.0		3.0		1.9		1.2		.9		.1																				166	166	202	130
52/ 51	.4		1.3		3.1		2.7		1.3		.3																						165	165	176	189
50/ 49	.3		2.7		3.8		2.5		1.0		.1																						178	178	196	149
48/ 47	.1		2.1		2.4		1.3		.3		.1																						111	111	171	172
46/ 45	.4		2.0		1.4		.9		.3						.1																		90	90	188	178
44/ 43	.1		1.3		1.2		.3		.1																								54	54	147	175
42/ 41	.1		1.1		.8		.1																										34	33	83	147
40/ 39	.3		.8		.6		.1																										32	32	68	109
38/ 37	.1		.4		.1		.1																										10	11	41	89
36/ 35	.3		.2		.1																												9	9	15	103
34/ 33	.1																																1	1	6	46
32/ 31																																			4	37
30/ 29																																				21
28/ 27																																				10
26/ 25																																				9
24/ 23																																				3
0/ 7																																				1
TOTAL	.3	2.1	18.9	26.9	24.2	31.5	28.3	7.1	2.7	1.4	.2																						1718		1711
																															1711	1711		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	9250505	123428	72.1	16.247	1711							
Dry Bulb	5172689	93302	54.4	7.239	1718			6.0	.7			93
Wet Bulb	4207371	84819	49.6	6.062	1711		.2					93
Dew Point	3376030	77270	45.2	7.111	1711		6.6					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-67,69,71-72 OCT

PAGE 1 1800-2000

Temp F		WET BULB TEMPERATURE DEPRESSION F																									TOTAL DB	TOTAL WB	TOTAL Wet Bulb	TOTAL Dew Point
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
70/	69							.1		.1		.1															3	3		
68/	67					.1		.1		.2		.1															8	8		
66/	65					.1		.3		.1		.1		.1													9	9		
64/	63			.1		.3		.6		.5		.1				.1		.1									25	25	3	
62/	61			.3		.6		1.2		.2																	34	34	7	2
60/	59			1.2		2.7		1.1		.6		.1															83	83	21	9
58/	57			2.2		2.2		.9		.3				.1		.1											84	84	48	16
56/	55		.7	4.7		3.2		1.0		.5		.2		.1		.1											152	152	129	54
54/	53		.6	4.7		3.3		1.2		.1		.1				.1											147	147	120	115
52/	51		.7	4.4		2.9		.4		.5																	143	143	133	143
50/	49		1.3	5.3		3.3		1.0		.3		.1															167	167	159	128
48/	47		.4	4.9		3.0		.9		.2																	165	165	166	147
46/	45		.8	3.8		2.3		.8		.1																	143	143	156	156
44/	43		.4	3.8		2.3		.2																			101	101	168	158
42/	41		.6	2.9		1.0		.3																			70	70	120	122
40/	39		.3	2.8		.7		.1																			38	38	89	125
38/	37		.2	1.2		.4																					26	26	55	87
36/	35		.2	.8																							14	14	28	93
34/	33		.4	.3																							10	10	22	34
32/	31			.2																							3	3	1	30
30/	29			.1																							2	2	4	15
28/	27																												1	6
26/	25																													4
24/	23																													1
22/	21																													2
20/	19																													
TOTAL		6	7	45	8	31	1	7	1	0.4		2.7		1.0		.2		.1		.1							1447	1448	1447	1447

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	10017304	119810	82.8	11.181	1447							
Dry Bulb	3709754	72048	50.2	6.098	1448		.3	.7				93
Wet Bulb	3302734	68368	47.4	6.118	1447		.4					93
Dew Point	2909009	64809	44.8	6.772	1447		2.7					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-67,69,71-72 GCT

PAGE 1 2100-2300

Temp F	WET BULB TEMPERATURE DEPRESSION °F 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	TOTAL D.B. W.B	Dry Bulb	TOTAL Wet Bulb	Dew Point
66/ 65					.1																												1	1		
64/ 63					.1	.2	.2																										2	2		
62/ 61			.2		.3	.3	.3																										17	17	1	
60/ 59	.1	1.0	1.5	.3																													41	41	7	1
58/ 57	.1	2.0	1.2	.3																													52	52	27	17
56/ 55	.6	4.0	1.1	.5	.1	.1																											92	92	80	34
54/ 53	1.3	4.5	2.0	.1	.2									.1																			119	119	107	97
52/ 51	1.5	5.3	2.4	.2	.1	.1	.1																										138	138	123	102
50/ 49	2.1	7.1	2.6	.4	.1								.1																				177	177	150	151
48/ 47	1.5	7.0	1.7	.5	.2	.1																											160	160	139	133
46/ 45	1.9	7.1	1.7	.3	.1																												160	160	190	152
44/ 43	1.5	5.3	1.9	.3																													130	130	148	150
42/ 41	1.8	4.4	.9	.1																													103	103	142	138
40/ 39	2.4	4.9	.3																														111	111	132	136
38/ 37	1.4	2.6	.7	.1																													69	69	94	127
36/ 35	.8	.8	.2																														25	25	48	95
34/ 33	.8	.8																															22	22	29	45
32/ 31	.3	.3																															9	9	13	29
30/ 29	.1	.3																															6	6	8	20
28/ 27		.2																															3	3	3	7
26/ 25																																			1	3
24/ 23																																				4
10/ 19																																				3
TOTAL	18.1	57.8	18.7	3.7	1.3	.2	.1	.1																									1442		1442	
																																	1442		1442	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum	11301986	126896	88.0	9.886	1442							
Dry Bulb	8298731	68309	47.4	6.408	1442		1.2					93
Wet Bulb	5033078	63741	44.2	6.230	1442		1.2					93
Dew Point	2834077	62199	43.1	6.727	1442		6.3					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-67 NOV

PAGE 1 0000-0200

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30+	TOTAL DB	TOTAL WB	TOTAL Wet Bulb	TOTAL Dew Pt.
58/ 57			.1																							2	2		
56/ 55		.4	.2	.1	.2																					13	13		
54/ 53		.5	.2	.1	.1																					12	12	9	3
52/ 51		.5	.6	.1																						17	17	10	6
50/ 49		1.8	.3	.4																						37	37	17	14
48/ 47	1.0	2.0	1.3	.1	.1																					60	60	31	29
46/ 45	1.1	6.2	.7																							107	107	61	60
44/ 43	2.4	6.0	.6																							122	122	166	89
42/ 41	2.3	6.4	.5	.1																						126	126	131	118
40/ 39	3.0	7.3	.8																							150	150	148	166
38/ 37	3.1	6.8	.6																							142	142	137	155
36/ 35	2.7	6.8	.4																							134	134	139	129
34/ 33	2.7	6.0	.6																							125	125	124	110
32/ 31	3.1	5.8	.2																							123	123	143	155
30/ 29	1.9	5.3																								97	97	98	116
28/ 27	.9	1.3	.1																							31	31	73	84
26/ 25	.7	1.7																								32	32	25	56
24/ 23	.1	.4																								7	7	23	32
22/ 21	.2	.1																								5	5	7	20
20/ 19	.2																									3	3	3	15
18/ 17	.1																									2	2	2	6
16/ 15	.1																									2	2	2	3
14/ 13																													2
12/ 11																													1
TOTAL	25.7	65.5	7.5	1.0	.4																						1349		1349
																										1349		1349	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10^8 136857	120891	89.6	7.702	1349							
Dry Bulb	2021485	81407	38.1	6.806	1349		20.1					90
Wet Bulb	1493818	49780	36.9	6.498	1349		28.1					9[illegible]
Dew Point	1739967	47038	33.2	6.862	1349		32.7					9[illegible]

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72

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WET BULB TEMPERATURE DEPRESSION F

°F	°C	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL DB=WB	TOTAL		
60	59							.1																										1	1		
58	57					.1		.1																										2	2		
56	55			.1		.2				.1																								4	4		
54	53			.3		.5		.1		.1																								13	13	4	
52	51		1.0			.5																												21	21	1	
50	49	.1	1.0		1.1	.3																												35	35	22	12
48	47	.6	2.0		1.3	.3																												60	60	46	33
46	45	.7	5.2		.9																													97	97	62	38
44	43	2.4	6.2		.7																													133	136	143	111
42	41	2.7	6.2		.3																													132	132	150	132
40	39	3.9	5.5		.6	.1																												149	152	141	159
38	37	2.3	6.1		.8																													131	133	137	144
36	35	2.4	6.9		1																													134	135	125	116
34	33	3.1	7.2		1																													146	149	144	132
32	31	3.0	6.1		3																													145	146	163	162
30	29	1.3	5.4		2																													99	99	118	129
28	27	1.5	2.7		1																													62	62	81	89
26	25	.7	1.1																															26	26	34	66
24	23	.4	.8																															18	18	20	44
22	21	.1	.5																															9	9	10	24
20	19	.1	.1																															5	5	8	20
18	17	.1																																2	2	3	10
16	15	.2																																3	3	3	7
14	13																																				4
12	11																																				1
TOTAL		20.8	64.7	7.7	1.0	.2																												1443		1432
																																		1432	1432		

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	116287208	1288068	89.8	7.817	1432							
Dry Bulb	2106748	40211	27.6	6.966	1458		23.1					90
Wet Bulb	1999210	32113	36.4	6.030	1432		28.0					90
Dew Point	1800317	49791	34.8	6.908	1432		34.8					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 NOV

PAGE 1 0600-0800

°F DB / °C DB	WET BULB TEMPERATURE DEPRESSION °F 0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	≥ 31	TOTAL DB.	TOTAL W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61								.1																									2	2			
60/ 59						.1																											2	2			
58/ 57					.1																												1	1			
56/ 55			.1			.2	.1																										6	6			
54/ 53			.3	.7	.1	.1																											17	17	6		
52/ 51			.6	.3	.4	.1																											23	23	9	2	
50/ 49		.1	1.3	.8	.6																												44	44	23	17	
48/ 47		.3	2.4	1.6	.1																												69	69	46	27	
46/ 45		.6	4.8	1.0																													102	102	77	39	
44/ 43	1.9	6.9	.8																														152	155	151	111	
42/ 41	2.5	5.5	.5																														135	137	168	148	
40/ 39	2.9	6.1	.4																														150	158	151	169	
38/ 37	2.7	5.6	.9																														146	148	137	168	
36/ 35	2.1	7.0	.2																														147	150	144	126	
34/ 33	3.2	7.2	.4																														176	183	171	157	
32/ 31	3.6	7.0	.4																														175	179	194	188	
30/ 29	1.7	5.2	.2																														114	114	128	145	
28/ 27	1.2	2.5																															59	59	97	102	
26/ 25	.9	.9																															29	29	36	74	
24/ 23	.7	.9																															25	25	28	54	
22/ 21	.1	.6																															12	12	17	26	
20/ 19	.1																																1	1	4	24	
18/ 17	.2																																5	5	5	8	
16/ 15	.2																																4	4	4	5	
14/ 13																																				4	
12/ 11																																				3	
TOTAL	28.2	64.8	8.1	1.4	.4																													1625		1596
																																	1596		1596	

Element X	Σ_x'	Σ_x	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum	12880429	1408408	89.4	7.862	1596							
Dry Bulb	2301410	60178	37.8	7.050	1625		28.7					90
Wet Bulb	2107382	37850	34.2	6.648	1596		28.9					90
Dew Point	1980448	28138	34.8	6.092	1596		28.7					90

USAFETAC FORM AM 64 0265 (OL A)

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 NOV

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Temp (F)	WET BULB TEMPERATURE DEPRESSION F																											TOTAL D.B. W.B	TOTAL Dry B.	TOTAL Wet B.	TOTAL Dew P.
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31														
64/ 63				.1																								2	2		
60/ 59				.1																								2	2		
58/ 57					.1																							2	2	2	
56/ 55		.1	.2	.3	.3																							15	15		
54/ 53		.4	.8	.4	.2																							30	30	6	1
52/ 51		.8	1.0	.5	.1																							39	39	14	8
50/ 49	.1	1.4	2.2	.5																								69	70	38	13
48/ 47	.3	2.7	2.4	.2																								90	92	75	33
46/ 45	1.1	5.6	1.2	.4	.1																							134	136	115	66
44/ 43	1.7	5.9	2.5																									163	164	161	134
42/ 41	1.7	7.0	1.1	.2																								161	162	171	158
40/ 39	1.7	4.9	1.3																									127	133	166	178
38/ 37	1.7	6.6	1.0	.2																								152	156	133	159
36/ 35	2.4	6.5	1.2																									161	164	176	149
34/ 33	2.9	7.2	.6																									172	178	169	187
32/ 31	2.2	5.4	.1																									124	124	177	147
30/ 29	.6	3.9	.4																									80	80	86	194
28/ 27	.6	1.7	.2																									42	42	62	91
26/ 25	.5	1.1																										25	25	33	90
24/ 23	.3	.2																										9	9	20	48
22/ 21		.2																										4	4	6	25
20/ 19	.2																											3	3	4	11
18/ 17	.1																											1	1	1	10
16/ 15	.1																											1	1	1	3
14/ 13																															3
TOTAL	18.2	61.6	16.4	2.9	.9																							1608	1634	1608	1608

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	122911811	129807	87.0	8.851	1608							
Dry Bulb	2591474	64084	39.2	7.022	1634		18.9					90
Wet Bulb	2340898	60450	37.6	6.498	1608		21.8					90
Dew Point	2101717	57128	35.5	6.718	1608		29.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 NOV

PAGE 1 1200-1400

DRY BULB TEMP F	WET BULB TEMPERATURE DEPRESSION F																											TOTAL OBS WB	TOTAL OBS DB	TOTAL Rel Hum	TOTAL Dew Pt
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	≥30				
70/ 69													.1	.1															3	3		
66/ 65									.1																				1	1		
64/ 63							.1																						1	1		
62/ 61					.1		.1		.2																				6	6		
60/ 59					.1		.1		.4		.1		.1																12	12		
58/ 57			.1		.4		.5		.4		.4																		28	28	7	
56/ 55			.4		.5		.9		.5		.2																		40	40	10	2
54/ 53			.9		.8		1.3		.7		.1																		61	61	15	9
52/ 51			.9		2.2		1.5		.4																				81	81	37	13
50/ 49		.1	2.1		3.4		1.1		.1		.1																		110	110	66	27
48/ 47		.2	2.9		3.8		1.3		.3																				138	139	129	47
46/ 45		.5	4.3		3.8		1.2		.1																				161	161	147	97
44/ 43		.3	5.5		3.0		.6		.1																				153	154	165	134
42/ 41	1.2		4.3		2.8		1.2																						148	148	188	163
40/ 39		.9	4.4		2.7		.4																						134	134	149	192
38/ 37	1.4		5.6		1.9		.2																						147	148	181	156
36/ 35	1.2		4.8		1.8		.1																						126	129	160	166
34/ 33		.9	5.8		.8																								121	123	164	150
32/ 31		.9	3.1		.7		.1																						78	78	119	151
30/ 29		.1	1.9		.2		.1																						38	38	84	117
28/ 27			1.1		.1																								20	20	38	65
26/ 25			.1																										1	1	17	62
24/ 23			.2																										3	3	4	29
22/ 21																															1	16
20/ 19																																8
18/ 17																																1
16/ 15																																3
14/ 13																																1
12/ 11																																2
TOTAL		7.5	48.4		28.7		10.8		3.5		.8		.1	.1																1619		1611
																													1611		1611	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10721523	130078	80.7	11.004	1611							
Dry Bulb	30033282	68694	42.4	7.400	1619		7.8	.2				90
Wet Bulb	26187350	64118	39.8	6.407	1611		18.0					90
Dew Point	2239279	39059	36.7	6.788	1611		28.4					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 NOV

PAGE 1 1500-1700

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29+	TOTAL DB	TOTAL WB	TOTAL Wet	TOTAL Dew
66/ 65					.1												1	1		
64/ 63				.1													1	1		
62/ 61			.1	.1	.2												7	7		
60/ 59			.1	.2	.2	.1											10	10		
58/ 57		.1	.6	.1	.6	.4											30	30	5	1
56/ 55	.1	.4	.2	.7	.5	.1											34	34	9	2
54/ 53		.7	1.5	.9	.4	.1											58	58	21	10
52/ 51		1.1	1.9	1.4	.5												78	78	33	15
50/ 49	.1	2.1	2.8	1.3	.1												104	104	73	24
48/ 47	.2	3.0	4.1	1.5	.2												147	147	102	58
46/ 45	.2	4.9	2.8	1.1	.2												148	148	152	81
44/ 43	.4	5.0	3.3	.9	.1												159	160	180	121
42/ 41	.9	5.6	2.8	.8													164	164	163	180
40/ 39	1.5	5.4	2.4	.3	.1												156	156	187	182
38/ 37	.6	6.2	2.2	.1													146	147	162	163
36/ 35	1.1	4.6	1.9	.1													123	124	168	188
34/ 33	1.3	5.0	1.0	.1													120	123	132	158
32/ 31	.4	3.2	.4	.2													69	69	119	121
30/ 29	.1	2.0	.3	.1													39	39	56	117
28/ 27		.8	.1														15	15	29	95
26/ 25		.4															6	6	19	44
24/ 23		.1															1	1	6	17
22/ 21																				20
20/ 19																				11
18/ 17																				2
16/ 15																				2
14/ 13																				2
12/ 11																				2
10/ 9																				2
TOTAL	6.9	50.5	28.8	10.0	3.2	.6												1622		1616
																	1616		1616	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	10832052	1310?2	81.1	11.350	1616							
Dry Bulb	2987037	68628	42.2	7.181	1622		7.2					90
Wet Bulb	2621052	64259	39.8	6.389	1616		12.8					90
Dew Point	2249909	59287	36.7	6.806	1616		26.1					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34050 SEMBACH AB GERMANY 53-67

	WET BULB TEMPERATURE DEPRESSION																											TOTAL		TOTAL	
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	OBS WBT		OBS WBT	
60/ 59					.2																							3			
58/ 57				.2	.1	.1	.1																					7		7	
56/ 55				.5	.2	.1	.1	.1																				15		15	9	2
54/ 53		.1		.8	.1	.4	.1																					21		21	8	11
52/ 51		.1	1.3		.6	.2																						30		30	21	7
50/ 49		.4	1.4	1.0		.4																						43		43	29	24
48/ 47		.4	3.5	2.1		.5																						89		89	49	29
46/ 45		.5	6.8	2.2		.1																						130		130	89	48
44/ 43	1.3		7.0	1.5		.1																						133		133	144	112
42/ 41	1.7		7.5	1.4		.4																						148		148	148	115
40/ 39	2.4		8.4	1.8		.3																						174		174	170	161
38/ 37	1.5		7.5	1.1																								136		136	145	173
36/ 35	2.7		5.0	.7																								113		113	160	146
34/ 33	1.9		5.6	.9																								112		112	99	140
32/ 31	1.1		6.1	.1																								99		99	132	99
30/ 29	.5		2.8	.2		.1																						50		50	74	102
28/ 27	.1		1.3	.2		.1																						23		23	32	89
26/ 25	.4		.7	.1																								15		15	22	34
24/ 23			.4																									6		6	12	21
22/ 21	.1		.1																									3		3	6	17
20/ 19																															1	9
18/ 17																																3
16/ 15																																3
14/ 13																																2
12/ 11																																2
10/ 9																																1
8/ 7																																
TOTAL	15.3	66.8	14.6	2.9	.3	.1																							1350		1350	1350

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum	10274401	117107	86.8	8.841	1350							
Dry Bulb	2205138	23822	39.9	6.033	1350		18.1					90
Wet Bulb	2028279	21633	38.2	6.297	1350		18.6					90
Dew Point	1829328	48780	36.1	6.820	1350		25.5					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-67 NOV

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WET BULB TEMPERATURE DEPRESSION (F)

							TOTAL		TOTAL	
58/ 57			.1				1	1		
56/ 55		.6	.1	.3	.1	.1	17	17		
54/ 53	.1	.4	.1		.2		11	11	11	5
52/ 51	.1	.9	.4				19	19	10	9
50/ 49	.1	2.7	1.0	.1			51	51	22	15
48/ 47	.8	2.1	1.1	.2			58	58	58	35
46/ 45	1.0	6.0	2.2	.1			126	126	67	56
44/ 43	1.7	6.3	.8				119	119	135	85
42/ 41	1.9	5.9	.8	.3			119	119	139	100
40/ 39	3.4	8.2	.7				166	166	150	158
38/ 37	3.0	6.1	1.1				137	137	159	167
36/ 35	3.5	6.3	.9				144	144	138	163
34/ 33	2.8	5.5	1.1				127	127	132	104
32/ 31	2.2	6.3					115	115	137	133
30/ 29	1.4	3.8	.1				71	71	93	109
28/ 27	.5	1.6	.1				31	31	46	97
26/ 25	.4	1.3		.1			24	24	24	47
24/ 23		.3	.1				6	6	15	27
22/ 21	.1						1	1	4	13
20/ 19	.2						3	3	6	10
18/ 17	.2						3	3	3	9
16/ 15										1
14/ 13										1
12/ 11										2
8/ 7										1
6/ 5										1
4/ 3										1
TOTAL	23.4	64.2	11.0	1.0	.4	.1	1349	1349	1349	1369

Element X	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10713186	119082	88.7	8.600	1349							
Dry Bulb	2077029	52169	38.7	6.645	1349		16.9					90
Wet Bulb	1936847	50392	37.4	6.351	1349		21.9					90
Dew Point	1765018	47916	35.5	6.860	1349		30.2					90

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-07,72 DEC

DB/WB	WET BULB TEMPERATURE DEPRESSION					TOTAL OBS.	TOTAL		
56/ 55			.1	.1	.1	6	6		
54/ 53			.1	.1		4	4	3	
52/ 51		.1	.5	.5		16	16	6	4
50/ 49		.3	.5	.8	.1	23	23	16	9
48/ 47		.2	1.2	.4	.2	29	29	24	12
46/ 45		.9	2.0	.6		49	49	37	32
44/ 43		1.3	3.6	.3	.1	73	73	61	59
42/ 41		1.7	4.4	.5		91	91	91	60
40/ 39		2.6	4.5	.4		104	104	107	93
38/ 37		2.2	4.2	.6	.1	99	99	100	111
36/ 35		2.7	6.6	.6	.1	140	140	109	89
34/ 33		4.0	6.7	.5		156	156	152	139
32/ 31		5.1	8.0			182	182	199	162
30/ 29		2.4	4.3	.3		98	98	126	139
28/ 27		1.9	2.7	.2		67	67	86	114
26/ 25		3.2	2.0	.2		75	75	80	80
24/ 23		1.1	1.3			33	33	42	77
22/ 21		1.2	1.2	.1		33	33	33	49
20/ 19		1.8	1.2			42	45	46	31
18/ 17		.4	.4			12	12	14	30
16/ 15		.2	.6			12	13	9	32
14/ 13		.3	.5			11	11	13	7
12/ 11		.6	.6			17	17	16	7
10/ 9		.6	.1			10	12	13	17
8/ 7		.4				6	6	7	12
6/ 5									11
4/ 3		.1				1	1	1	9
2/ 1									4
TOTAL	35	57.5	6.5	.4	.2		1395		1389
						1389		1389	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature: ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	11257096	124548	89.7	8.044	1389							
Dry Bulb	1670454	46736	33.5	8.666	1395		40.3					93
Wet Bulb	1571039	45272	32.6	8.291	1389		48.7					93
Dew Point	1427767	42762	30.8	8.947	1389		52.3					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 DEC

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Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1	2	3	4	5	6	7	8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31+	TOTAL D.B.	W.B.	TOTAL Dew Point	
56/ 55					.2	.2																6	6		
54/ 53		.1	.3																			5	5	4	2
52/ 51			.3	.1																		6	7	5	4
50/ 49		.1	.8	.5	.1																	22	22	10	5
48/ 47		.1	1.3	.7	.1	.1																33	33	18	8
46/ 45		.6	2.0	.7	.1																	50	50	45	37
44/ 43	1.5	2.7	.7																			72	72	63	46
42/ 41	2.1	4.1	.5																			99	99	86	72
40/ 39	2.0	4.1	.2																			92	95	109	87
38/ 37	2.2	4.7	.5	.1																		111	112	107	108
36/ 35	3.1	5.8	.8	.1																		143	145	113	107
34/ 33	2.6	7.2	.5	.1																		154	157	139	127
32/ 31	5.6	7.0	.1																			186	187	213	171
30/ 29	3.0	5.0																				118	118	136	151
28/ 27	2.4	2.9	.1																			79	79	108	118
26/ 25	2.5	2.0	.1																			69	69	73	101
24/ 23	2.3	2.0																				64	64	64	73
22/ 21	1.0	1.2	.1																			33	33	40	66
20/ 19	1.6	1.6																				47	49	42	38
18/ 17	.8	.3																				17	19	30	34
16/ 15	1.0	.4																				20	20	19	33
14/ 13	.5	.5																				14	17	14	21
12/ 11	.5	.5																				14	14	15	11
10/ 9	.6	.1																				11	11	15	14
8/ 7	.3																					5	5	6	10
6/ 5	.1																					2	2	2	18
4/ 3																									7
2/ 1																									1
0/ -1																									2
TOTAL	36.4	56.9	5.9	.7	.1																		1490		1472
																						1472		1472	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No Obs	Mean No. of Hours with Temperature: < 0 F	< 32 F	< 67 F	< 73 F	< 80 F	< 93 F	Total
Rel. Hum.	11945559	132077	89.7	8.027	1472							
Dry Bulb	1733718	49150	33.0	8.689	1490		42.9					93
Wet Bulb	1613221	47201	32.1	8.314	1472		48.8					93
Dew Point	1466786	44848	30.3	8.979	1472	.1	56.9					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 DEC

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DB/WB	WET BULB TEMPERATURE DEPRESSION F																															TOTAL DB	TOTAL WB	TOTAL Wet Bulb	TOTAL Dew Point
56/ 55					.2	.1																										4	4		
54/ 53		.1	.2		.1	.1																										6	6	1	
52/ 51		.2	.2		.1	.1																										9	13	9	7
50/ 49			.5		.1	.1																										11	11	8	2
48/ 47			1.5		.8																											37	38	15	11
46/ 45		.7	2.5		.6	.1																										64	64	48	37
44/ 43		1.0	3.3		.8	.1																										86	87	72	52
42/ 41		1.3	3.6		.7																											92	94	99	69
40/ 39		1.5	4.6		.5																											108	109	97	93
38/ 37		1.6	4.9		.5																											116	122	118	105
36/ 35		2.1	5.7		.4																											135	138	139	124
34/ 33		2.0	7.4		.2																											176	180	147	156
32/ 31		5.6	6.5		.7																											210	217	227	190
30/ 29		3.6	5.2		.1																											146	146	161	161
28/ 27		2.9	2.3																													85	86	130	134
26/ 25		1.9	2.6		.1																											75	75	84	112
24/ 23		1.9	1.8																													62	62	75	75
22/ 21		2.4	1.9																													71	71	71	73
20/ 19		2.1	.9																													48	50	52	51
18/ 17		1.0	.8																													30	35	33	32
16/ 15		.9	.2																													18	19	21	29
14/ 13		.5	.3																													14	16	13	30
12/ 11		.6	.4																													16	16	17	14
10/ 9		.5	.4																													14	14	14	14
8/ 7		.1																														2	2	4	11
6/ 5		.4																														7	7	7	16
4/ 3																																			6
2/ 1																																			4
0/ -1																																			3
TOTAL		36.3	57.7		5.6	.4																											1682		1641
																																1642		1642	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	13280614	147152	89.6	7.527	1642							
Dry Bulb	1920347	54899	32.4	8.743	1692		48.1					93
Wet Bulb	1764795	52057	31.7	8.350	1642		50.4					93
Dew Point	1595036	49010	29.9	8.968	1641	.2	58.8					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 DEC

PAGE 1 0900-1100

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31+	TOTAL DB=WB	TOTAL DB-WB	TOTAL Wet B.	TOTAL Dew P.
62/ 61					.1													1	1		
58/ 57				.1	.2													1	1		
56/ 55			.1	.2														4	4		
54/ 53		.4		.1														8	8	2	
52/ 51		.1	.1	.1														5	8	11	5
50/ 49		.8	.4	.2														23	23	6	4
48/ 47	.2	1.6	.5	.2														42	42	20	15
46/ 45	.8	2.7	.9															73	73	56	36
44/ 43	.8	3.2	1.0															82	85	74	55
42/ 41	1.3	4.1	1.1															111	111	111	72
40/ 39	1.2	5.0	.8															116	118	105	99
38/ 37	1.4	5.6	.3															121	126	138	105
36/ 35	2.1	6.3	.7															151	154	129	146
34/ 33	3.0	7.1	.6															178	182	168	134
32/ 31	4.3	6.4	.3															182	186	211	193
30/ 29	3.2	4.5	.5															136	136	157	159
28/ 27	2.4	2.5																82	82	112	130
26/ 25	2.4	2.6	.1															84	84	73	94
24/ 23	1.8	2.5																72	72	81	94
22/ 21	1.7	1.9																60	60	67	61
20/ 19	1.3	.8																36	38	49	51
18/ 17	.8	.6																23	27	28	65
16/ 15	.5	.3																14	16	17	32
14/ 13	.2	.8																18	18	12	18
12/ 11	.7	.5																19	19	22	13
10/ 9	.4	.1																7	7	11	14
8/ 7	.1	.1																2	2	2	15
6/ 5	.2																	3	3	3	16
4/ 3																					3
2/ 1																					3
0/ -1																					2
TOTAL	30.9	60.8	7.4	.8	.1														1686		1684
																		1654		1654	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum	13067156	146400	88.5	8.117	1654							
Dry Bulb	1999829	86195	52.2	8.669	1686		41.4					93
Wet Bulb	1832090	83334	50.2	8.243	1654		47.2					93
Dew Point	1641278	69999	42.2	8.863	1654	.1	54.1					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 DEC

DB / WB	WET BULB TEMPERATURE DEPRESSION F 0	1	2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31+	TOTAL DB WB	TOTAL Wet B	Dew P	Dew P
64/ 63							.1	.1											3	3		
60/ 59					.1	.1													3	3		
58/ 57						.1													2	2		
56/ 55			.1	.2	.2	.1													10	10		
54/ 53			.4	.1	.2	.1													13	13	9	2
52/ 51			.3	.2	.4	.2													19	23	13	6
50/ 49		.2	1.1	.5	.6														39	39	14	8
48/ 47		.2	2.2	1.1	.2														63	63	36	21
46/ 45		.5	2.5	1.3	.4														78	79	67	35
44/ 43		.8	3.8	1.9	.2														111	112	98	64
42/ 41		.8	4.3	2.4	.2														129	130	108	91
40/ 39		1.1	6.0	1.4		.1													143	144	134	103
38/ 37		.8	5.3	1.7	.4	.1													138	142	130	106
36/ 35		1.8	6.5	1.9	.1	.1													172	173	181	164
34/ 33		2.3	7.8	1.3	.1														192	195	189	194
32/ 31		2.6	8.2	1.1	.2														152	154	207	181
30/ 29		1.4	3.5	.9	.1														99	99	123	153
28/ 27		1.9	2.6	.6															84	84	102	111
26/ 25		1.2	3.4	.2															80	80	90	97
24/ 23		.4	1.8																36	36	55	74
22/ 21		.4	1.1																25	25	41	84
20/ 19		1.0	.8																30	30	26	55
18/ 17		.2	.7																15	15	17	56
16/ 15		.2	.7																15	16	17	27
14/ 13			.8																14	14	14	15
12/ 11			.1																1	1	6	9
10/ 9			.1																2	2	2	14
8/ 7																					1	14
6/ 5																						6
4/ 3																						2
2/ 1																						4
TOTAL	17.7	61.2	16.7	3.4	.8	.1	.1													1687		1668
																			1668		1668	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel Hum	120810[illegible]	140841	84.4	10.664	1668							
Dry Bulb	2264338	60202	36.1	8.294	1667		30.7					93
Wet Bulb	2033691	50033	34.0	7.778	1668		39.1					93
Dew Point	1752794	32108	31.2	8.086	1668		48.8					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-72 DEC

Temp °F	WET BULB TEMPERATURE DEPRESSION °F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31+	TOTAL D.B.	TOTAL W.B.	TOTAL Dew P.
64/ 63							.1											1	1	
60/ 59				.1														2	2	
58/ 57			.1	.1	.1													4	4	
56/ 55		.2	.2	.2	.1													12	12	1
54/ 53		.2	.2	.2														11	11	6 3
52/ 51		.5	.2	.4	.1	.1												22	22	13 7
50/ 49	.2	.9	.3	.5	.1													34	34	22 12
48/ 47	.4	1.7	1.4	.4	.1													64	64	35 22
46/ 45	.8	3.2	1.0	.4														90	92	68 46
44/ 43	.7	3.4	1.6	.4														100	100	106 56
42/ 41	.6	4.7	2.0	.1														124	124	88 92
40/ 39	.2	4.9	2.1	.1	.1													123	126	124 76
38/ 37	1.0	6.2	1.9	.3	.1													158	161	150 106
36/ 35	1.8	6.5	1.3	.2	.1													165	169	172 169
34/ 33	2.4	8.5	1.5	.2	.1													211	212	189 195
32/ 31	2.6	5.2	1.4	.1														156	156	206 181
30/ 29	1.0	5.0	.7	.1														113	113	130 161
28/ 27	1.1	3.3	.5															82	82	105 119
26/ 25	1.3	2.3	.1															61	61	91 93
24/ 23	.4	1.8																37	37	49 80
22/ 21	.7	1.2	.1															33	33	35 59
20/ 19	.3	.8																22	22	26 49
18/ 17		1.2	.1															21	21	16 34
16/ 15		.5																9	11	17 20
14/ 13	.1	.5																10	10	12 18
12/ 11		.2																3	3	5 9
10/ 9																				3 15
8/ 7																				11
6/ 5																				8
4/ 3																				2
0/ -1																				3
TOTAL	15.8	62.1	19.6	3.7	.7	.1	.1												1681	1666
																		1666		1666

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	12028477	140458	84.3	10.498	1666							
Dry Bulb	2281321	39999	38.7	8.088	1681		30.4					93
Wet Bulb	2026287	58083	34.0	7.689	1666		38.8					93
Dew Point	1752792	52096	31.7	8.421	1666	.2	49.2					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-67,72 DEC

PAGE 1 1800-2000

Temp F	WET BULB TEMPERATURE DEPRESSION F 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.	TOTAL W.B.	TOTAL Dry B. ≥ Wet B.	TOTAL Wet B. ≥ Dew Point
58/ 57			.1	.1														3	3		
56/ 55		.2	.1	.1														7	7		
54/ 53		.3	.1	.1														8	8	4	
52/ 51		.2	.4	.1	.1													12	12	9	6
50/ 49		.9	.3	.1														17	17	10	5
48/ 47	.2	1.6	1.0	.1	.1													41	41	27	18
46/ 45	1.7	2.5	.6	.2														70	70	52	42
44/ 43	1.4	4.4	.9	.2														95	95	83	59
42/ 41	.6	5.5	.9															97	97	86	65
40/ 39	1.1	4.7	.9															93	93	99	92
38/ 37	1.9	7.3	.4															133	133	125	106
36/ 35	3.2	5.6	.3															127	127	153	139
34/ 33	3.2	7.5	.6															158	158	128	146
32/ 31	3.7	7.8	.5	.1														169	169	177	147
30/ 29	1.6	4.7	.5															94	94	116	124
28/ 27	1.4	2.7	.5															65	65	93	113
26/ 25	2.2	2.8																62	62	63	79
24/ 23	.7	1.7																34	34	42	61
22/ 21	1.0	1.5																35	35	42	41
20/ 19	.8	.6																19	20	28	33
18/ 17	.4	.9																19	19	10	32
16/ 15		.4																6	7	15	26
14/ 13	.1	.5																9	9	6	12
12/ 11	.3	.4																13	13	17	5
10/ 9	.2	.3																7	7	8	13
8/ 7																					13
6/ 5																					8
4/ 3																					5
0/ -1																					3
TOTAL	25.9	64.4	8.3	1.3	.1														1395		1393
																		1393		1393	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	10912490	122718	88.1	8.837	1393							
Dry Bulb	1774090	48390	34.7	8.278	1395		38.6					9
Wet Bulb	1658778	40690	29.2	7.944	1393		61.2					9
Dew Point	1489788	43834	31.5	8.768	1393	.2	67.7					9

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34056 SEMBACH AB GERMANY 53-67 EC

PAGE 1 2100-2300

Temp F		WET BULB TEMPERATURE DEPRESSION F																								TOTAL DB	TOTAL WB		
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44					
56	56		.2	.1	.2																					7	7		
54	54		.1	.1																						4	4	3	1
52	51		.1	.4	.1																					9	9	4	
50	49		1.1	.0	.1																					24	24	12	
48	47	.5	1.7	.2		.1																				35	35	31	17
46	45	1.1	2.8	.8																						56	56	51	44
44	42	1.4	3.1	.9	.2																					87	87	61	53
42	41	1.1	4.3	.4																						87	87	76	61
40	39	1.7	4.3	.7																						96	96	114	93
38	37	2.1	5.7	.4																						115	115	107	111
36	35	3.1	6.7	.1	.1																					138	138	136	114
34	33	3.6	6.5	.4																						147	147	151	149
32	31	4.2	8.5	.2																						181	181	169	149
30	29	2.7	4.0	.4																						100	100	137	135
28	27	1.2	3.5	.4																						71	71	77	120
26	25	1.9	1.8																							52	52	68	71
24	23	1.3	2.0																							45	46	47	57
22	21	1.4	1.4																							46	46	57	51
20	19	1.1	1.1																							31	31	29	47
18	17	.5	.5																							14	14	17	35
16	15	.3	.2																							11	11	8	21
14	13	.4	.1																							7	7	11	11
12	11	.5	.7																							17	19	14	11
10	9	.6	.1																							8	10	12	10
8/	7	.2																								3	3	4	6
6/	5																												13
4/	3																												7
2/	1																												3
TOTAL		31.3	61.0	6.5	.6	.1																				1393			1392
																										1392		1392	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	11201741	126899	89.4	7.797	1392							
Dry Bulb	1698098	47814	33.8	8.478	1393		39.2					93
Wet Bulb	1594668	45748	32.9	8.104	1392		48.4					93
Dew Point	1448084	43208	31.0	8.804	1392		50.2					93

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

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY 53-72

HRS		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	30.0	31.5	36.7	43.0	48.8	55.0	57.8	56.8	53.1	46.0	38.1	33.5	44.3
	S D	9.169	10.427	8.007	7.064	6.460	5.663	5.830	5.442	5.982	6.667	6.806	8.666	12.197
	TOTAL OBS	1395	1272	1395	1350	1401	1350	1329	1372	1455	1423	1349	1395	16884
03-05	MEAN	29.5	30.7	35.1	40.9	46.5	52.6	55.3	54.8	51.2	44.7	37.6	33.0	43.0
	S D	9.368	10.678	7.961	6.953	6.520	5.524	5.605	5.343	6.065	7.084	6.964	8.689	11.748
	TOTAL OBS	1487	1335	1477	1428	1477	1420	1390	1481	1512	1519	1443	1490	17787
06-08	MEAN	29.6	30.2	34.6	41.2	48.6	55.2	57.6	55.8	51.0	44.2	37.5	32.6	43.6
	S D	9.384	10.468	8.111	6.937	6.544	5.732	5.858	5.531	6.273	7.331	7.050	8.743	12.417
	TOTAL OBS	1630	1466	1638	1588	1627	1573	1712	1762	1677	1715	1628	1682	19698
09-11	MEAN	30.2	31.9	38.8	47.5	55.6	61.8	64.6	62.8	58.0	48.7	39.2	33.3	47.9
	S D	9.198	10.117	8.361	7.897	7.331	7.101	7.315	6.502	6.475	6.976	7.022	8.669	14.477
	TOTAL OBS	1640	1460	1637	1583	1637	1578	1719	1756	1682	1718	1634	1686	19730
12-14	MEAN	33.0	35.2	43.7	52.0	59.8	65.4	68.3	67.3	63.1	54.0	42.6	35.7	52.0
	S D	8.383	9.667	8.930	8.732	8.292	8.015	8.378	7.446	7.177	7.174	7.400	8.294	15.033
	TOTAL OBS	1630	1468	1630	1581	1635	1567	1713	1756	1681	1720	1619	1687	19707
15-17	MEAN	33.4	37.2	45.1	53.3	60.9	66.5	69.8	68.4	64.1	54.6	42.3	35.7	52.8
	S D	8.114	9.472	9.120	9.042	8.597	8.210	8.384	7.805	7.093	7.339	7.181	8.085	15.332
	TOTAL OBS	1634	1463	1642	1585	1630	1568	1708	1753	1677	1713	1622	1681	19079
18-20	MEAN	31.5	34.6	42.2	50.5	58.0	64.4	67.1	64.9	59.9	50.2	39.9	34.7	50.3
	S D	8.504	9.401	8.446	8.480	7.987	7.684	8.148	7.187	7.076	6.998	6.633	8.278	14.782
	TOTAL OBS	1398	1275	1399	1351	1400	1339	1398	1377	1446	1448	1350	1395	16928
21-23	MEAN	30.4	32.6	38.9	46.0	52.5	58.7	61.2	59.4	55.4	47.4	38.7	33.8	46.0
	S D	9.038	9.711	7.840	7.293	6.657	6.172	6.429	5.675	6.080	6.603	6.648	8.475	12.985
	TOTAL OBS	1398	1270	1398	1350	1399	1350	1398	1370	1448	1442	1349	1398	16950
ALL HOURS	MEAN	31.0	33.1	39.4	46.9	53.9	60.1	62.8	61.4	57.1	48.8	39.8	34.1	47.6
	S D	9.019	10.300	9.204	9.103	8.998	8.498	8.798	8.171	8.288	7.939	7.239	8.562	14.208
	TOTAL OBS	12206	11009	12211	11814	12206	11768	13097	13177	12876	12700	11991	12411	147476

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY 59-72

HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DE	ANNUAL
00-02	MEAN	28.9	30.1	34.7	40.3	46.1	52.1	54.8	54.4	51.1	44.6	36.9	32.6	42.6
	S D	8,775	9,921	7,517	6,460	5,877	5,143	5,029	4,819	5,542	6,317	6,495	8,291	11,451
	TOTAL OBS	1395	1270	1389	1350	1397	1349	1529	1571	1453	1421	1349	1389	16862
03-05	MEAN	28.8	29.4	33.5	38.9	44.6	50.6	53.4	53.1	49.8	43.5	36.4	32.1	41.4
	S D	8,968	10,183	7,684	6,585	6,081	5,280	5,140	4,944	5,790	6,778	6,690	8,314	11,282
	TOTAL OBS	1461	1332	1470	1424	1407	1413	1590	1629	1510	1510	1432	1472	17710
06-08	MEAN	28.4	29.1	33.0	39.2	46.3	52.4	54.8	53.8	49.6	43.1	36.2	31.7	41.7
	S D	9,047	10,055	7,709	6,538	5,994	5,207	5,122	4,974	5,877	7,038	6,648	8,350	11,740
	TOTAL OBS	1612	1457	1621	1582	1615	1558	1703	1758	1668	1697	1596	1642	19509
09-11	MEAN	29.1	30.4	36.1	43.1	50.0	55.4	57.9	57.5	53.9	46.4	37.6	32.2	44.4
	S D	8,862	9,609	7,775	6,445	5,892	5,433	5,342	4,766	5,203	6,330	6,495	8,243	12,421
	TOTAL OBS	1628	1491	1634	1582	1636	1577	1718	1755	1680	1707	1608	1654	19650
12-14	MEAN	31.4	33.5	39.0	45.2	51.7	56.8	59.2	59.0	56.1	49.4	39.8	34.0	46.5
	S D	8,008	8,842	7,492	6,471	6,049	5,468	5,482	5,019	5,201	6,007	6,467	7,778	12,016
	TOTAL OBS	1647	1468	1620	1581	1638	1567	1718	1756	1681	1717	1611	1668	19071
15-17	MEAN	31.6	34.1	39.7	45.8	52.1	57.1	59.7	59.2	56.4	49.6	39.8	34.0	46.8
	S D	7,734	8,370	7,302	6,391	5,884	5,319	5,384	4,960	5,352	6,063	6,389	7,659	11,967
	TOTAL OBS	1632	1462	1648	1583	1627	1568	1708	1732	1677	1711	1616	1666	19647
18-20	MEAN	30.1	32.4	38.3	44.6	50.9	56.4	58.9	58.2	54.9	47.4	38.2	33.3	45.7
	S D	8,168	8,869	7,379	6,490	5,771	5,132	5,300	4,936	5,407	6,118	6,297	7,944	12,128
	TOTAL OBS	1598	1475	1599	1581	1597	1559	1698	1677	1646	1647	1550	1593	18922
21-23	MEAN	29.3	30.9	36.2	42.3	48.3	54.2	56.6	55.9	52.5	45.6	37.4	32.9	43.9
	S D	8,684	9,207	7,310	6,320	5,770	5,079	5,019	4,774	5,441	6,230	6,351	8,104	11,721
	TOTAL OBS	1598	1470	1594	1550	1598	1550	1698	1670	1648	1648	1549	1592	18896
ALL HOURS	MEAN	29.7	31.3	36.8	42.5	48.8	54.4	57.0	56.4	53.1	46.3	37.8	32.9	44.2
	S D	8,602	9,388	7,507	6,447	5,908	5,268	5,220	5,007	5,484	6,288	6,609	8,184	12,022
	TOTAL OBS	12168	10981	12180	11808	12169	11741	13027	13206	12585	12682	11911	12276	146837

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34050 SEMBACH AB GERMANY 53-72

HR (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	26.5	27.1	31.5	37.2	43.4	49.9	52.6	52.7	49.5	43.3	35.3	30.8	40.3
	S D	9.629	11.069	8.493	7.187	6.445	5.767	5.453	5.050	5.974	6.602	6.842	8.947	12.028
	TOTAL OBS	1395	1270	1389	1350	1397	1349	1329	1371	1432	1421	1349	1389	16862
03-05	MEAN	26.2	26.8	30.7	36.4	42.7	48.9	51.7	51.7	48.5	42.4	34.8	30.3	39.6
	S D	9.828	11.175	8.561	7.160	6.386	5.719	5.452	5.114	5.988	6.970	6.948	8.979	11.916
	TOTAL OBS	1461	1332	1470	1424	1407	1413	1390	1429	1510	1510	1432	1472	17710
06-08	MEAN	26.2	26.6	30.4	36.6	44.0	50.1	52.7	52.3	48.4	42.0	34.3	29.9	39.7
	S D	9.951	10.998	8.683	7.135	6.394	5.697	5.427	5.093	6.068	7.253	6.892	8.968	12.211
	TOTAL OBS	1612	1487	1621	1582	1615	1558	1702	1758	1668	1697	1596	1641	19508
09-11	MEAN	26.7	27.4	32.1	38.1	45.1	50.7	53.5	53.8	50.8	44.2	35.5	30.2	41.0
	S D	9.807	10.695	8.711	7.285	6.827	6.249	5.942	5.194	5.748	6.733	6.715	8.863	12.378
	TOTAL OBS	1628	1481	1634	1582	1636	1577	1718	1755	1680	1707	1608	1654	19630
12-14	MEAN	28.2	29.0	32.8	38.0	44.8	50.5	53.0	53.2	50.9	45.3	36.7	31.2	41.4
	S D	9.284	10.231	8.765	7.714	7.215	6.396	6.370	5.759	6.335	6.916	6.788	8.686	11.936
	TOTAL OBS	1647	1468	1680	1581	1638	1567	1712	1756	1681	1717	1611	1668	19071
15-17	MEAN	28.2	29.2	32.7	37.8	44.5	50.3	52.9	53.0	50.8	45.2	36.7	31.9	41.3
	S D	9.064	10.085	8.748	7.791	6.967	6.392	6.486	5.868	6.478	7.111	6.806	8.621	11.846
	TOTAL OBS	1632	1462	1643	1585	1637	1568	1708	1782	1677	1711	1616	1666	19647
18-20	MEAN	27.3	28.4	32.9	38.2	44.6	50.6	53.4	53.6	51.2	44.8	36.1	31.5	41.4
	S D	9.307	10.369	8.699	7.700	6.864	6.176	6.313	5.709	6.327	6.772	6.830	8.748	12.130
	TOTAL OBS	1398	1278	1399	1351	1397	1359	1589	1677	1646	1647	1550	1593	16922
21-23	MEAN	26.8	27.6	32.3	38.0	44.5	50.6	53.3	53.4	50.3	43.8	35.5	31.0	41.0
	S D	9.612	10.502	8.483	7.281	6.603	5.820	5.660	5.231	6.120	6.727	6.840	8.804	12.148
	TOTAL OBS	1393	1270	1394	1350	1395	1350	1533	1670	1648	1642	1549	1592	16886
ALL HOURS	MEAN	27.0	27.8	31.9	37.8	44.2	50.2	52.9	53.0	50.1	43.9	35.7	30.8	40.7
	S D	9.591	10.678	8.577	7.445	6.702	6.070	5.929	5.480	6.220	7.000	6.871	8.838	12.095
	TOTAL OBS	12168	10982	12180	11803	12169	11741	13087	13968	13503	13652	11911	12278	149850

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 53-72 ALL
STATION STATION NAME PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JAN	ALL	100.0	100.0	100.0	100.0	99.7	98.4	91.9	74.7	35.6	85.7	12162
FEB		100.0	100.0	100.0	99.7	98.2	92.8	80.3	60.4	27.9	81.5	10982
MAR		100.0	100.0	99.8	98.1	93.2	83.2	66.4	45.3	19.0	76.1	12180
APR		100.0	99.9	99.1	95.0	86.1	73.8	58.8	39.9	17.3	72.6	11805
MAY		100.0	100.0	99.5	95.5	86.3	73.0	57.5	39.8	17.7	72.5	12169
JUN		100.0	100.0	99.6	95.9	87.8	73.3	57.2	39.6	17.3	72.7	11732
JUL		100.0	100.0	99.1	95.5	86.5	73.6	57.9	39.7	18.4	72.8	13027
AUG		100.0	100.0	99.7	97.8	91.3	79.6	65.4	48.1	24.1	76.4	13368
SEP		100.0	100.0	99.8	98.2	94.1	85.1	72.6	55.8	30.4	79.5	12563
OCT		100.0	100.0	99.9	99.6	98.0	93.5	85.1	67.9	39.5	84.4	12650
NOV		100.0	100.0	100.0	100.0	99.6	98.0	92.8	78.7	40.3	86.6	11911
DEC		100.0	100.0	100.0	100.0	99.8	99.1	95.2	82.8	45.8	88.0	12276
TOTALS		100.0	100.0	99.7	97.9	93.8	85.3	73.4	56.0	27.7	79.1	146825

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34036 SEMBACH AB GERMANY 54-72 JAN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	99.5	96.1	80.6	38.0	87.1	1395
	03-05	100.0	100.0	100.0	100.0	99.9	99.3	95.3	81.7	41.3	87.7	1461
	06-08	100.0	100.0	100.0	100.0	99.8	99.3	96.5	84.8	43.0	88.2	1611
	09-11	100.0	100.0	100.0	100.0	99.7	99.0	95.4	79.9	38.5	87.0	1628
	12-14	100.0	100.0	100.0	99.8	99.3	96.6	84.4	63.1	28.2	82.8	1647
	15-17	100.0	100.0	100.0	99.8	99.3	95.8	81.7	59.3	27.3	81.9	1632
	18-20	100.0	100.0	100.0	100.0	99.9	98.5	91.4	69.7	31.7	84.7	1395
	21-23	100.0	100.0	100.0	100.0	100.0	99.0	94.5	78.2	36.6	86.4	1393
	TOTALS	100.0	100.0	100.0	100.0	99.7	98.4	91.9	74.7	35.6	85.7	12162

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 54-72 FEB

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OBS
		10	20	30	40	50	60	70	80	90		
FEB	00-02	100.0	100.0	100.0	99.8	99.1	96.9	88.7	69.3	35.8	84.4	1270
	03-05	100.0	100.0	100.0	100.0	99.8	98.2	91.9	75.6	38.4	85.7	1332
	06-08	100.0	100.0	100.0	100.0	99.8	98.9	94.2	78.5	41.0	86.6	1457
	09-11	100.0	100.0	100.0	99.8	99.2	96.6	87.3	68.8	32.5	84.0	1451
	12-14	100.0	100.0	99.9	99.5	97.3	88.4	63.8	43.3	15.6	76.1	1465
	15-17	100.0	100.0	99.9	99.5	94.8	80.4	57.5	35.9	12.7	73.8	1462
	18-20	100.0	100.0	100.0	99.5	97.4	91.6	74.7	49.2	20.2	78.9	1275
	21-23	100.0	100.0	100.0	99.7	98.7	94.0	84.3	64.4	27.2	82.4	1270
TOTALS		100.0	100.0	100.0	99.7	98.2	92.8	80.3	60.4	27.9	81.5	10982

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 54-72 MAR
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OBS
		10	20	30	40	50	60	70	80	90		
MAR	00-02	100.0	100.0	100.0	99.9	99.1	95.5	82.5	58.8	24.0	81.7	1389
	03-05	100.0	100.0	100.0	100.0	99.7	97.3	88.1	68.7	33.5	84.3	1470
	06-08	100.0	100.0	100.0	100.0	99.8	98.1	90.9	73.5	38.2	85.6	1621
	09-11	100.0	100.0	100.0	99.8	97.2	88.7	71.2	47.9	17.7	77.8	1634
	12-14	100.0	100.0	99.7	95.8	83.3	64.5	41.9	23.5	6.6	67.2	1630
	15-17	100.0	100.0	99.0	91.4	77.8	55.1	33.3	19.1	6.9	64.0	1643
	18-20	100.0	100.0	100.0	98.1	90.6	76.3	49.7	27.5	9.7	70.8	1399
	21-23	100.0	100.0	100.0	100.0	98.4	90.9	71.8	43.7	15.6	77.7	1394
TOTALS		100.0	100.0	99.8	98.1	93.2	83.3	66.4	45.3	19.0	76.1	12180

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

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RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 56-72 APR
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
APR	00-02	100.0	100.0	100.0	100.0	99.0	93.1	76.9	54.7	25.9	80.7	1350
	03-05	100.0	100.0	100.0	99.9	99.6	97.6	88.3	68.5	35.0	84.5	1424
	06-08	100.0	100.0	100.0	99.9	99.6	97.5	88.2	68.0	32.4	84.2	1382
	09-11	100.0	100.0	99.7	98.0	89.6	75.1	53.6	32.0	10.2	71.6	1382
	12-14	100.0	99.9	97.8	89.9	70.8	47.8	30.6	16.1	5.1	61.2	1381
	15-17	100.0	99.6	96.2	81.9	60.8	41.8	28.3	14.8	4.2	58.5	1385
	18-20	100.0	100.0	99.3	91.3	75.5	56.9	39.7	23.8	8.9	65.1	1351
	21-23	100.0	100.0	100.0	99.3	94.1	80.9	62.7	41.3	16.5	75.0	1350
TOTALS		100.0	99.9	99.1	95.0	86.1	73.8	58.5	39.9	17.3	72.6	11005

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 54-72 MAY
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
MAY	00-02	100.0	100.0	100.0	99.9	99.4	94.2	82.0	61.7	29.4	82.6	1397
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	91.5	77.5	45.1	87.2	1467
	06-08	100.0	100.0	100.0	99.8	99.6	98.0	90.0	68.7	32.1	84.5	1615
	09-11	100.0	100.0	99.9	98.2	89.2	70.5	48.1	24.3	6.8	69.2	1636
	12-14	100.0	100.0	98.8	89.7	68.9	46.0	26.4	12.5	3.2	60.1	1635
	15-17	100.0	100.0	97.9	84.2	61.2	38.7	21.1	11.4	3.1	57.1	1627
	18-20	100.0	99.9	99.4	92.4	75.3	53.8	33.9	18.0	5.7	63.3	1397
	21-23	100.0	100.0	100.0	99.7	96.4	84.0	66.7	40.2	15.8	75.9	1395
TOTALS		100.0	100.0	99.5	95.5	86.3	73.0	57.3	39.3	17.7	72.5	12169

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 54-72 JUN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10	20	30	40	50	60	70	80	90		
JUN	00-02	100.0	100.0	100.0	100.0	99.3	95.8	86.1	65.4	30.0	83.5	1349
	03-05	100.0	100.0	100.0	100.0	99.9	98.5	94.0	80.8	45.0	87.7	1413
	06-08	100.0	100.0	100.0	100.0	99.8	96.9	86.7	65.6	29.0	83.5	1556
	09-11	100.0	100.0	100.0	98.5	89.7	69.6	44.0	22.1	6.1	68.6	1576
	12-14	100.0	99.9	99.6	90.6	71.7	48.1	25.1	13.6	2.7	60.5	1566
	15-17	100.0	100.0	98.1	86.6	65.0	40.8	23.4	12.3	3.1	58.2	1565
	18-20	100.0	100.0	99.4	91.4	76.1	53.8	30.9	16.8	6.9	63.2	1358
	21-23	100.0	100.0	100.0	99.9	96.7	85.6	67.0	40.1	15.6	76.2	1349
TOTALS		100.0	100.0	99.6	93.9	87.3	73.3	57.2	39.6	17.3	72.7	11732

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 53-72 JUL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60	70	80	90		
JUL	00-02	100.0	100.0	100.0	99.9	99.1	96.0	86.2	62.9	30.7	83.4	1529
	03-05	100.0	100.0	100.0	100.0	100.0	98.9	93.8	77.7	43.3	87.4	1590
	06-08	100.0	100.0	100.0	100.0	99.9	97.8	88.5	67.9	32.3	84.5	1703
	09-11	100.0	100.0	99.9	98.2	90.1	71.9	46.4	23.3	8.0	69.3	1718
	12-14	100.0	100.0	97.4	89.7	69.6	44.1	24.9	12.1	4.0	59.8	1713
	15-17	100.0	100.0	96.8	85.3	61.8	38.4	22.1	12.1	3.9	57.5	1708
	18-20	100.0	100.0	98.5	91.0	76.3	55.5	35.5	20.0	6.9	63.9	1533
	21-23	100.0	100.0	100.0	99.3	93.4	86.1	66.0	41.6	17.9	76.4	1533
TOTALS		100.0	100.0	99.1	93.3	86.3	73.6	57.9	39.7	18.4	72.8	13027

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 53-72 AUG
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS L.S.T.	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
AUG	00-02	100.0	100.0	100.0	100.0	99.7	99.0	93.1	75.7	40.1	86.7	1971
	03-05	100.0	100.0	100.0	100.0	99.9	99.4	96.9	84.8	53.4	89.6	1629
	06-08	100.0	100.0	100.0	100.0	99.9	99.2	95.8	81.9	47.3	88.3	1758
	09-11	100.0	100.0	100.0	99.2	96.0	82.4	60.5	35.0	11.2	73.9	1755
	12-14	100.0	100.0	99.4	95.0	79.1	51.4	27.4	14.3	4.2	62.7	1756
	15-17	100.0	99.9	98.5	91.5	70.0	43.1	24.3	13.1	4.5	60.0	1752
	18-20	100.0	100.0	99.8	97.0	86.4	67.0	43.0	24.3	8.7	68.6	1577
	21-23	100.0	100.0	100.0	99.8	99.3	95.0	80.0	55.9	23.1	81.2	1970
TOTALS		100.0	100.0	99.7	97.8	91.3	79.6	65.4	48.1	24.1	76.4	13368

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 53-72 SEP
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10	20	30	40	50	60	70	80	90		
SEP	00-02	100.0	100.0	100.0	100.0	99.7	98.1	92.2	79.6	47.7	87.9	1453
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	97.5	87.9	58.7	90.7	1510
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	97.4	88.1	58.7	90.7	1668
	09-11	100.0	100.0	100.0	99.8	96.8	88.9	73.6	47.4	18.8	78.2	1680
	12-14	100.0	100.0	99.6	96.0	84.7	61.7	38.0	18.8	6.2	66.0	1681
	15-17	100.0	100.0	99.0	92.8	81.5	55.6	33.2	17.2	6.0	63.9	1677
	18-20	100.0	100.0	99.8	97.6	92.4	82.7	69.1	38.3	14.2	74.5	1446
	21-23	100.0	100.0	100.0	99.7	97.9	94.4	88.9	69.1	32.9	84.0	1448
TOTALS		100.0	100.0	99.8	98.2	94.1	88.1	72.6	55.8	30.4	79.5	12581

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34036 SEMBACH AB GERMANY 53-72 OCT
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
OCT	00-02	100.0	100.0	100.0	100.0	99.8	98.9	96.6	87.2	58.8	90.4	1421
	03-05	100.0	100.0	100.0	100.0	100.0	99.3	97.7	90.9	64.5	91.7	1509
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	98.0	91.5	62.6	91.7	1696
	09-11	100.0	100.0	100.0	99.9	99.2	96.7	89.8	69.2	35.6	85.0	1707
	12-14	100.0	100.0	99.9	98.6	93.8	81.9	60.8	32.6	12.5	73.7	1717
	15-17	100.0	99.9	99.8	98.8	92.9	77.8	56.8	28.9	10.4	72.1	1711
	18-20	100.0	100.0	99.7	99.5	98.7	96.0	86.3	61.2	24.5	82.5	1447
	21-23	100.0	100.0	99.8	99.8	99.5	97.9	94.6	81.7	46.7	88.0	1442
TOTALS		100.0	100.0	99.9	99.6	98.0	93.5	85.1	67.9	39.5	84.4	12850

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 53-72 NOV
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10	20	30	40	50	60	70	80	90		
NOV	00-02	100.0	100.0	100.0	100.0	100.0	99.5	97.6	90.1	50.3	89.6	1349
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	97.9	90.3	51.3	89.8	1432
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	97.1	88.9	50.0	89.4	1596
	09-11	100.0	100.0	100.0	100.0	100.0	99.3	95.0	79.1	40.4	87.0	1608
	12-14	100.0	100.0	100.0	100.0	98.8	93.9	80.6	56.5	22.5	80.7	1611
	15-17	100.0	100.0	100.0	99.9	99.0	94.2	81.8	57.3	22.8	81.1	1616
	18-20	100.0	100.0	100.0	100.0	99.6	98.6	95.2	81.2	38.0	86.8	1350
	21-23	100.0	100.0	100.0	100.0	99.6	99.0	97.0	85.8	47.4	88.7	1349
TOTALS		100.0	100.0	100.0	100.0	99.6	98.0	92.8	78.7	40.3	86.6	11911

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

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

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RELATIVE HUMIDITY

34056 SEMBACH AB GERMANY 53-72 DEC
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS LST	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10	20	30	40	50	60	70	80	90		
DEC	00-02	100.0	100.0	100.0	100.0	100.0	99.4	97.8	88.3	51.9	89.7	1389
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	97.8	88.5	52.2	89.7	1472
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	97.9	88.1	50.6	89.6	1642
	09-11	100.0	100.0	100.0	100.0	100.0	99.6	97.1	84.3	47.0	88.5	1654
	12-14	100.0	100.0	100.0	99.9	99.3	97.8	88.1	70.0	34.7	84.4	1668
	15-17	100.0	100.0	100.0	99.8	99.2	97.5	88.1	70.3	31.0	84.3	1666
	18-20	100.0	100.0	100.0	99.9	99.9	99.1	96.2	83.3	44.2	88.1	1393
	21-23	100.0	100.0	100.0	100.0	99.9	99.6	98.3	87.3	50.8	89.4	1392
TOTALS		100.0	100.0	100.0	100.0	99.8	99.1	95.2	82.5	45.3	88.0	12276

U S AIR FORCE
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PART F PRESSURE SUMMARY

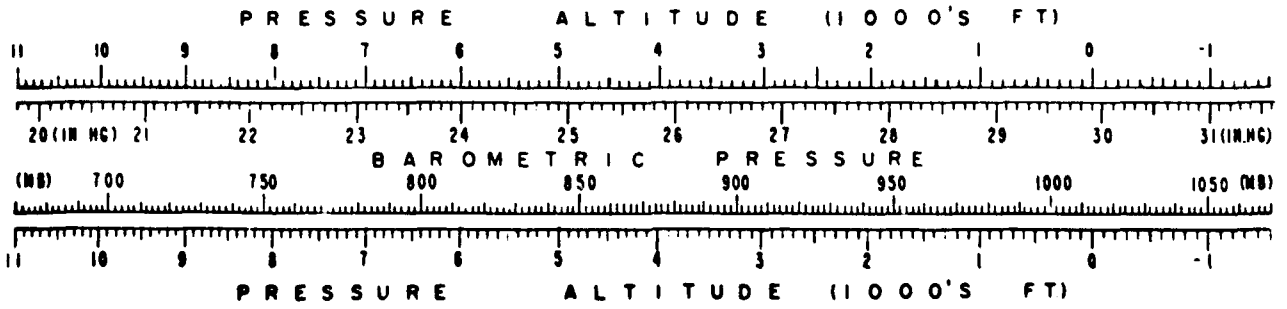
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided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

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

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

2. Sea-level pressure is presented in millibars.

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



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DATA PROCESSING BRANCH
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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

34036 SEMBACH AB GERMANY 53-63,65-72

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	28.[illegible]52	28.[illegible]28	28.[illegible]50	28.[illegible]38	28.[illegible]78	28.[illegible]12	28.[illegible]04	28.[illegible]06	28.[illegible]02	28.[illegible]17	28.[illegible]4	28.[illegible]07	28.[illegible]09
	S.D.	.303	.339	.269	.227	.161	.159	.146	.157	.166	.242	.277	.346	.244
	TOTAL OBS	403	367	403	390	403	390	424	462	423	413	390	434	4909
04	MEAN	28.[illegible]99	28.[illegible]15	28.[illegible]38	28.[illegible]26	28.[illegible]78	28.[illegible]04	28.[illegible]94	28.[illegible]86	28.[illegible]98	28.[illegible]06	28.[illegible]22	28.[illegible]00	28.[illegible]59
	S.D.	.299	.343	.269	.227	.161	.162	.147	.161	.167	.243	.278	.347	.245
	TOTAL OBS	403	367	403	390	403	390	424	462	417	412	390	434	4895
07	MEAN	28.[illegible]37	28.[illegible]06	28.[illegible]33	28.[illegible]29	28.[illegible]79	28.[illegible]09	28.[illegible]08	28.[illegible]07	28.[illegible]14	28.[illegible]25	28.[illegible]30	28.[illegible]21	28.[illegible]68
	S.D.	.305	.338	.267	.231	.168	.161	.153	.159	.171	.240	.283	.348	.249
	TOTAL OBS	493	431	474	467	481	463	487	527	501	513	484	529	5836
10	MEAN	28.[illegible]59	28.[illegible]17	28.[illegible]45	28.[illegible]41	28.[illegible]80	28.[illegible]15	28.[illegible]16	28.[illegible]22	28.[illegible]30	28.[illegible]47	28.[illegible]48	28.[illegible]39	28.[illegible]77
	S.D.	.302	.344	.271	.231	.170	.160	.154	.158	.173	.241	.284	.348	.249
	TOTAL OBS	481	431	484	472	482	467	489	524	498	512	486	529	5853
13	MEAN	28.[illegible]47	28.[illegible]13	28.[illegible]35	28.[illegible]27	28.[illegible]67	28.[illegible]05	28.[illegible]03	28.[illegible]79	28.[illegible]18	28.[illegible]33	28.[illegible]35	28.[illegible]27	28.[illegible]66
	S.D.	.301	.343	.270	.229	.165	.158	.152	.154	.170	.239	.283	.346	.247
	TOTAL OBS	486	430	477	467	480	460	481	525	497	508	479	526	5818
16	MEAN	28.[illegible]40	28.[illegible]79	28.[illegible]11	28.[illegible]05	28.[illegible]49	28.[illegible]88	28.[illegible]88	28.[illegible]85	28.[illegible]90	28.[illegible]18	28.[illegible]26	28.[illegible]22	28.[illegible]51
	S.D.	.299	.334	.266	.228	.163	.157	.147	.152	.167	.234	.278	.346	.244
	TOTAL OBS	484	430	487	468	484	464	484	519	499	512	480	528	5839
19	MEAN	28.[illegible]66	28.[illegible]22	28.[illegible]38	28.[illegible]17	28.[illegible]58	28.[illegible]92	28.[illegible]81	28.[illegible]82	28.[illegible]89	28.[illegible]15	28.[illegible]40	28.[illegible]05	28.[illegible]57
	S.D.	.298	.340	.267	.228	.160	.158	.148	.153	.168	.236	.282	.344	.242
	TOTAL OBS	402	368	404	390	404	392	428	463	421	422	390	433	4915
22	MEAN	28.[illegible]73	28.[illegible]30	28.[illegible]50	28.[illegible]37	28.[illegible]77	28.[illegible]13	28.[illegible]02	28.[illegible]72	28.[illegible]14	28.[illegible]23	28.[illegible]46	28.[illegible]12	28.[illegible]71
	S.D.	.297	.341	.267	.228	.161	.156	.144	.162	.168	.241	.284	.343	.244
	TOTAL OBS	402	366	403	390	402	390	428	461	422	419	389	433	4907
ALL HOURS	MEAN	28.[illegible]88	28.[illegible]18	28.[illegible]38	28.[illegible]28	28.[illegible]68	28.[illegible]05	28.[illegible]00	28.[illegible]87	28.[illegible]10	28.[illegible]24	28.[illegible]37	28.[illegible]17	28.[illegible]64
	S.D.	.300	.340	.268	.228	.164	.159	.149	.157	.169	.239	.281	.346	.246
	TOTAL OBS	3946	3509	3918	3802	3948	3816	3941	4249	3979	3908	3488	3842	42964

DATA PROCESSING BRANCH
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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

34056 SEMBACH AB GERMANY 53-67,71-72

HR		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1018.2	1017.1	1016.3	1015.2	1016.6	1017.0	1016.2	1015.6	1017.4	1017.7	1016.4	1015.4	1016.6
	S D	11.22	12.03	9.547	8.050	5.763	5.870	4.936	5.529	5.770	8.927	9.813	12.059	8.717
	TOTAL OBS	432	395	434	420	434	422	435	434	420	435	420	463	5144
04	MEAN	1018.1	1016.6	1015.9	1014.9	1016.4	1016.8	1015.8	1015.2	1017.1	1017.4	1016.2	1015.2	1016.3
	S D	11.15	12.14	9.540	8.046	5.741	5.947	5.718	5.641	5.805	8.918	9.823	12.069	8.740
	TOTAL OBS	433	395	434	420	434	420	434	434	420	435	420	463	5142
07	MEAN	1018.0	1016.7	1016.2	1015.4	1016.8	1017.2	1016.2	1015.6	1017.4	1017.8	1016.2	1015.1	1016.5
	S D	11.21	12.31	9.506	8.123	5.805	5.976	5.136	5.750	5.905	9.034	10.089	12.066	8.839
	TOTAL OBS	433	395	434	420	434	420	434	434	420	441	438	466	5169
10	MEAN	1018.7	1017.4	1016.8	1015.7	1017.0	1017.4	1016.4	1016.0	1017.9	1018.5	1016.9	1015.8	1017.0
	S D	11.18	12.45	9.575	8.100	5.916	5.869	5.085	5.675	5.943	9.074	10.107	12.082	8.849
	TOTAL OBS	432	395	434	420	434	420	433	434	420	443	438	467	5173
13	MEAN	1018.2	1017.0	1016.3	1015.1	1016.5	1017.0	1016.0	1015.7	1017.4	1017.9	1016.3	1015.3	1016.5
	S D	11.13	12.43	9.508	8.042	5.701	5.739	5.022	5.498	5.859	8.908	10.014	12.004	8.765
	TOTAL OBS	432	395	434	420	434	420	434	434	420	439	438	465	5165
16	MEAN	1018.0	1016.3	1015.5	1014.5	1015.9	1016.5	1015.6	1015.2	1016.8	1017.4	1015.9	1015.0	1016.0
	S D	11.08	12.18	9.389	7.959	5.657	5.676	4.882	5.464	5.672	8.746	9.941	11.999	8.675
	TOTAL OBS	432	395	434	420	434	420	433	434	420	440	438	466	5167
19	MEAN	1018.4	1017.0	1016.0	1014.7	1015.8	1016.3	1015.4	1015.1	1017.1	1017.9	1016.5	1015.5	1016.3
	S D	11.12	12.13	9.419	7.925	5.690	5.614	4.890	5.445	5.741	8.791	9.969	12.011	8.686
	TOTAL OBS	433	395	434	420	434	421	434	434	421	436	420	464	5146
22	MEAN	1018.6	1017.3	1016.4	1015.3	1016.5	1017.1	1016.1	1015.7	1017.6	1018.1	1016.7	1015.7	1016.7
	S D	11.15	12.14	9.436	8.077	5.780	5.687	4.864	5.544	5.782	8.937	10.041	11.956	8.725
	TOTAL OBS	433	394	434	420	434	420	434	434	420	435	419	464	5141
ALL HOURS	MEAN	1018.3	1016.9	1016.2	1015.1	1016.5	1016.9	1016.0	1015.5	1017.3	1017.8	1016.4	1015.4	1016.5
	S D	11.15	12.22	9.499	8.041	5.751	5.801	4.977	5.572	5.811	8.915	9.977	12.021	8.754
	TOTAL OBS	8661	7119	8672	8360	8672	8363	8671	8672	8361	8704	8431	9718	41244

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