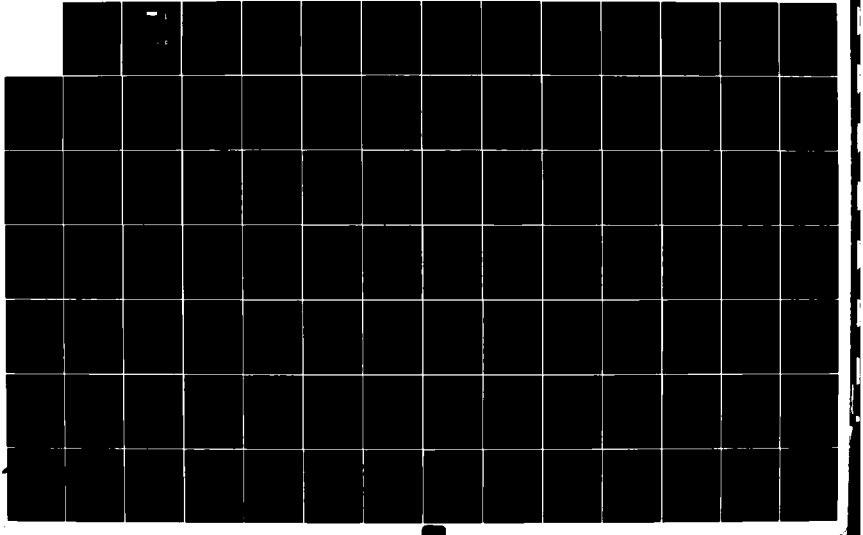
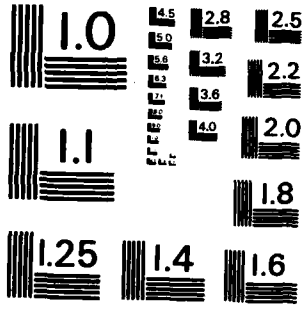
AD-A122 711 SEMBACH AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 28 JUL 82 1/5

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Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

SEMBACH AB DL MSC #107120
N 49 30 E 007 52 FLD ELEV 1052 FT EDAS

PARTS A-F
POR FROM HOURLY OBS: JUL 64 - SEP 68, FEB 76 - DEC 81

POR FROM DAILY OBS: JUL 53 - DEC 72, FEB 76 - DEC 81

TIME CONVERSION GMT TO LST: +1

JUL 28 1982

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Wayne E. McCollom

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1. REPORT NUMBER: USAFETAC/DS-82/045	2. GOVT ACCESSION NO.
3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle): Revised Uniform Summary of Surface Weather Observations (RUSSWO)- SEMBACH AB, GERMANY (WEST)	5. TYPE OF REPORT & PERIOD COVERED: Final rept.
	6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s)	8. CONTRACT OR GRANT NUMBER(s)
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11. CONTROLLING OFFICE NAME AND ADDRESS: USAFETAC/CBD, Air Weather Service (MAC), Scott AFB IL 62225	12. REPORT DATE: 28 JUL 82
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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: Supersedes Report number USAFETAC/DS-80-061 AD A087 821.

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	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative Humidity	*Climatological data	(over)

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

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

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19. Percentage frenquency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
GERMANY (WEST) SEMBACH AB, GERMANY (WEST)

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

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REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations reported at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into a summary of the 24 hourly observations (record-special, local, 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 of Surface Weather Observations and the manner of presentation. Summaries are prepared from hourly and daily observations received by the U. S. Air Force, 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 DATA NOT AVAILABLE
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 DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 00-02, 03-05, 06-08, 09-11, 12-14, 15-17, 18-20, 21-23 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

STATION NO. OR SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WBAN NUMBER
107120	SEMBACH AB, GERMANY	N 49 30	E 007 52	1052	EDAS	10712

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Sembach, Germany	AB	Jul 53	Mar 54	N 49 30	E 007 52	N/A	N/A	24
2	Same	"	Apr 54	Sep 68	"	"	1054	1076	24
3	Same	"	Oct 68	Dec 73	"	"	"	"	13
4	Same	Same	Jan 79	Jun 82	Same	Same	1052	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	3 Apr 54	Located on top of control tower	AN/GMQ-1	None	87 Ft	
2	3 Apr 56	Located on top of Base Opr Bldg	AN/GMQ-1	None	85 Ft	
3	4 Jun 56	Located on roof of rnwy obser-vation site	AN/GMQ-1	None	35 Ft	
4	9 Apr 57	Located on approach end of rnwy 25	AN/GMQ-1	None	46 Ft	
5	3 Apr 59	Located on precision end of rnwy 25	AN/GMQ-1	None	42 Ft	
6	4 Apr 60	Located at obs site on approach end of rnwy 25	AN/GMQ-1	None	46 Ft	
7	5 Apr 62	Located adjacent to and near mid point of rnwy	AN/GMQ-11	RO-2	13 Ft	

CONTINUED ON REVERSE SIDE

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
8	Apr 62 to Jun 71	Located adjacent to and near mid-point of Rnwy.	AN/GMQ-11	RO-2	13 ft	
9	Jul 71 to Jun 82	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 68 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.

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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WEATHER CONDITIONS

1	SEYMOUR AB DL	66-68,77-81	JAN
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
JAN	0-02		22.3	.3	13.1		35.1	24.7	41.6			32.3	377
	3-05		19.2	.2	14.4		33.6	31.5	32.6			50.6	479
	6-08		14.6	1.6	15.0		33.2	34.7	24.5			51.6	649
	9-11		13.6	.7	18.3		31.4	33.1	26.1			50.2	516
	12-14		10.1	.6	16.7		32.2	22.5	27.9			46.2	518
	15-17	.1	17.2	1.0	14.3		30.4	16.6	28.3	.1		42.1	519
	18-20	.1	14.6	.6	12.3		26.6	26.7	33.6			54.5	656
	21-23		16.1		12.6		29.7	27.0	34.0			54.0	505
TOTALS		.0	17.1	.7	15.1		31.5	27.1	31.1	.		51.2	5084

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WEATHER CONDITIONS

1 ... BEACH AB DL | 55-69,76-81 | FEB
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.
FEB	0-02		13.7		7.3		21.5	16.4	37.7			44.5	393
	03-05		14.5	.2	9.4		24.2	25.3	31.1			47.4	447
	06-08		14.8		13.1		24.3	37.2	24.9			55.5	724
	09-11		17.1	.2	12.6		29.7	29.7	20.9			46.7	557
	12-14	.1	16.6	.5	10.1		25.8	15.8	27.5			47.7	503
	15-17		14.5	.5	8.0		22.7	11.1	29.5			39.4	430
	18-20	.1	14.2	.1	6.5		20.2	15.7	30.6			42.3	719
	21-23		13.0		7.4		19.7	20.2	30.4			45.6	593
TOTALS		.0	14.7	.2	9.2		23.5	21.4	29.2			45.1	5731

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WEATHER CONDITIONS

1 / STATION — S...BACH AE OL / STATION NAME — 69-68,76-81 / YEARS — MA... / 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
MA...	...0-0...		1...5		4.4	.2	16.4	10.1	31.3			35.9	4...6
	...3-...		13.7		5.1		23.4	21.2	27.1			27.9	5...9
	...6-3...	.1	2...7		4.3		23.0	23.7	24.9			41.3	9...6
	...9-11	.2	17.2		4.9	.1	21.3	15.1	24.9			36.9	9...4
	12-14		10.1		2.4	.2	17.8	5.9	21.1			26.7	9...5
	...5-17	.1	15.6		2.5	.1	17.8	3.3	16.6			19....	9...9
	...8-2...	.4	16.8		2.6		19.3	4....	19.9			22.8	...5
	...1-23		15.6		3.7		18.9	6.3	22....			24.7	66...
TOTALS		.1	10.6		3.7	.1	19.8	12.0	23.5			3...7	598...

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WEATHER CONDITIONS

1 | [illegible]MBACH AB OL | 63-68,76-81 | APR
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
[illegible]	0-02		16.1		.7		16.1	17.2	15.9			26.4	435
	[illegible]-05		17.8		1.7		18.3	33.3	18.2			39.[illegible]	[illegible]45
	6-08		15.5		3.5		17.6	30.4	19.9			43.1	[illegible]39
	[illegible]-11		16.2	.2	2.3		17.9	11.2	22.5			31.3	394
	12-14	.1	13.8		.9	.2	14.7	4.9	13.5			17.3	899
	15-17	.5	13.3		1.3		14.3	3.6	8.8			12.1	884
	18-20	.5	13.5		.4		13.5	4.2	10.1			13.6	798
	21-23	.1	13.4		.3		13.7	7.1	14.1			20.1	85[illegible]
TOTALS		.2	15.[illegible]	.3	1.4	.[illegible]	15.7	13.6	15.4			25.5	5931

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WEATHER CONDITIONS

1... STATION	...MBACH AB FL STATION NAME	65-68,76-81 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	0-02	.2	13.7				13.7	13.2	11.8			21.2	476
	03-05	.2	13.5				13.5	24.9	13.5			33.3	579
	06-08		14.0				14.0	19.8	13.7			3[illegible].0	8[illegible]
	09-11	.3	14.4		.3		14.4	4.4	11.2			1[illegible].5	911
	12-14	.7	15.[illegible]		.3		15.1	1.7	5.0			6.6	915
	15-17	.7	11.1		.2	.1	11.2	1.2	3.5			4.8	9[illegible]
	18-20	1.9	10.5				10.5	1.5	4.8			5.2	8[illegible]
	21-23	.7	12.8				12.8	4.7	8.0			11.1	696
TOTALS		.6	13.1		.1	.0	13.2	8.9	8.9			16.2	6119

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
1..	...LEACH AB DL	65-68,76-81	JUN

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	..0-02	1.3	1..0				10.0	19.6	17.5			..9.0	469
	03-05	1.4	6.2				6.2	37.3	16.3			43.6	573
	06-08	1.1	11.1				11.1	27.5	18.3			39.2	422
	09-11	.6	12.0				12.0	5.6	16.0			2..5	894
	12-14	1.3	11.5				11.5	2.6	8.4			10.6	896
	15-17	2.9	1..0				10.0	2.7	5.0			7.3	867
	18-20	2.6	9.9				9.9	2.7	6.5			8.5	801
	21-23	1.4	8.6				8.6	9.3	13.2			19.7	692
TOTALS		1.6	1..2				10.2	13.4	12.8			22.4	6031

L [illegible]AL CLIMATOLOGY BRANCH
[illegible]ETAC
A [illegible]EATHER SERVICE/MAC

WEATHER CONDITIONS

12[illegible] | [illegible]MBACH AB GE | 64-68,76-81 | JUL
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
JUL	[illegible]0-12	1.6	7.4				7.4	15.7	13.[illegible]			23.[illegible]	[illegible]03
	33-36	1.9	9.1				9.1	24.1	15.2			32.4	[illegible]37
	36-38	.7	12.8				12.8	20.2	16.3			32.3	[illegible]98
	09-11	.4	11.9				11.9	7.1	13.0			19.[illegible]	[illegible]07
	12-14	.8	1 .7				10.7	2.0	0.5			8.[illegible]	[illegible]91
	15-17	2.0	10.5				10.5	1.5	5.2			6.4	984
	18-20	1.2	9.0				9.0	2.1	4.9			6.8	[illegible]86
	21-23	2.0	11.1				11.1	7.1	8.7			13.2	704
TOTALS		1.4	1[illegible].3				10.3	10.0	10.4			17.7	658[illegible]

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WEATHER CONDITIONS

120	...MBACH AB DL	64-66,76-81	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	.8	12.6				12.6	21.1	19.0			31.4	476
	03-05	.7	13.2				13.2	38.3	19.3			49.1	835
	06-08	.2	9.0				9.0	37.6	19.8			47.2	913
	09-11		9.2				9.2	13.4	20.3			37.4	1 065
	12-14	.2	8.7				8.7	3.4	11.9			14.7	1 038
	15-17	1.6	8.0				8.0	1.0	9.2			10.2	989
	18-20	1.1	9.5				9.5	2.3	9.9			11.3	897
	21-23	1.4	10.6				10.6	8.6	18.9			22.1	667
TOTALS		.8	9.7				9.7	15.7	16.0			26.7	6555

[illegible] CLIMATOLOGY BRANCH
[illegible]TAC
[illegible]EATHER SERVICE/MAC

WEATHER CONDITIONS

1[illegible]	[illegible]MBACH AB DL	64-68,76-81	SEP
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
[illegible]P	[illegible]0-3		[illegible].7				10.9	34.2	31.5			48.3	441
	[illegible]-6		[illegible].6				10.6	45.0	23.1			[illegible]5.[illegible]	593
	[illegible]-9		8.4				8.4	50.7	19.3			60.5	608
	[illegible]9-11		7.6				7.6	19.8	25.1			40.4	969
	12-14	.1	9.7				9.7	3.4	17.5			19.8	974
	15-17	1.2	11.1				11.1	1.8	13.9			15.1	851
	18-20	.6	9.1				9.1	7.4	19.7			24.6	834
	21-23	.2	9.2				9.2	19.7	23.3			35.5	640
TOTALS		.3	9.6				9.6	22.8	21.6			37.6	627[illegible]

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[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

WEATHER CONDITIONS

1[illegible]	S[illegible]M9ACH AB DL	64-67,76-81	OCT
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02		17.9				17.9	45.3	38.9			59.3	366
	03-05		15.1				15.1	49.2	29.9			62.9	502
	06-08		12.5				12.5	51.0	22.0			62.5	753
	09-11		15.8				15.8	33.6	23.4			51.9	903
	12-14	.1	15.3			.1	15.3	14.8	22.6			35.5	906
	15-17		12.3				12.3	9.6	24.8			32.1	936
	18-20	.1	11.9				11.9	18.1	30.2			42.2	759
	21-23		14.3				14.3	28.1	30.9			46.2	637
TOTALS		.0	14.4			.0	14.4	31.2	27.8			48.8	5752

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WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	SEMBACH AB DL	54-67,76-81	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02		24.1	.5	7.2		33.3	45.3	51.7			72.1	377
	03-05		17.6	.2	9.0		24.9	46.2	38.5			66.9	417
	06-08		21.7		7.4		27.6	45.5	26.6			65.1	364
	09-11		23.6	.2	7.6	.1	27.1	36.6	27.3	.1		55.1	356
	12-14		16.9	.5	7.7		23.7	22.8	27.7			45.2	357
	15-17		15.8	.6	5.7		21.5	17.3	26.8			44.2	356
	18-20		18.8	.9	4.6		23.5	26.6	35.5			51.9	361
	21-23		22.7	.9	5.6		28.6	32.4	37.5	.5		57.6	367
TOTALS			19.8	.5	6.8	.3	25.9	34.1	34.3	.1		56.1	3417

USAFETAC FORM JULY 84 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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[illegible]ETAC
[illegible] WEATHER SERVICE/MAC

WEATHER CONDITIONS

1. [illegible]MBACH AB DL | 64-67,76-81 | DEC
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
DEC	00-02		23.5	.3	9.9		33.4	29.9	41.2			56.6	774
	03-05		22.0	1.2	6.5		29.1	31.7	3[illegible].9			52.4	492
	06-08		23.4	1.1	10.6		34.0	33.6	22.1			49.6	739
	09-11		20.4	1.3	11.4		32.2	30.9	21.4			46.1	592
	12-14		22.1	1.0	11.6		33.1	21.9	23.0	.1		43.9	864
	15-17		24.9	.2	10.0	.1	33.0	20.3	24.[illegible]			43.0	899
	18-20		25.0	.8	8.8		33.2	26.4	27.9			49.[illegible]	736
	21-23		23.8	1.5	6.2		32.7	32.0	28.4			56.6	579
TOTALS			23.1	.9	9.6	.[illegible]	32.6	28.5	27.4	.0		48.3	56.9

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AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
12	ANDREWS AFB MD	64-68,76-81	ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.3	17.1	.7	15.1		31.5	27.1	31.1	.7		53.5	5754
FEB		.0	14.7	.2	9.2		23.5	21.4	29.1			47.1	5731
MAR		.1	16.6		3.7	.1	19.8	12.3	23.3			37.7	5987
APR		.2	15.7	.0	1.4	.0	15.7	13.6	15.4			25.5	5731
MAY		.6	15.1		.1	.3	13.2	8.9	6.9			16.2	6149
JUN		1.6	13.2				13.2	13.4	12.8			22.4	5731
JUL		1.4	10.3				10.3	10.0	10.4			17.7	6587
AUG		.8	9.7				9.7	15.7	16.0			26.7	6585
SEP		.3	9.6				9.6	22.8	21.6			37.6	6077
OCT		.0	14.4			.3	14.4	31.2	27.8			44.3	5753
NOV			19.8	.5	6.8	.3	25.9	34.1	34.3	.1		56.1	5417
DEC			23.1	.9	9.6	.3	32.6	28.5	27.4	.3		48.3	5629
TOTALS		.4	14.5	.2	3.6	.3	16.3	19.9	21.3	.3		35.5	70979

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.

[illegible] CLIMATOLOGY BRANCH
[illegible]
[illegible] OF USCM/MAC

WEATHER CONDITIONS

[illegible] ATMOSPHERIC PHENOMENA

1	[illegible]	73-77, 79-81	ALL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY 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
[illegible]	ALL	.7	44.7	[illegible]	42.1	.4	68.1	71.	59.2	[illegible]		[illegible]	[illegible]
[illegible]		.[illegible]	44.[illegible]	3.3	37.6	.[illegible]	66.7	73.6	77.	.[illegible]		[illegible] .1	66[illegible]
[illegible]		[illegible].2	[illegible].[illegible]	.7	19.[illegible]	[illegible].[illegible]	[illegible].8	[illegible].6	72.[illegible]			81.[illegible]	77[illegible]
[illegible]		[illegible].5	[illegible].7	.[illegible]	11.[illegible]	3.[illegible]	58.7	[illegible].5	[illegible].[illegible]			72.3	[illegible]
[illegible]		1 .[illegible]	5[illegible].		[illegible].3	1.	[illegible]7.	48.1	56.[illegible]			67.5	[illegible]
[illegible]		1[illegible].5	[illegible]6.[illegible]			1.[illegible]	56.1	[illegible]3.1	6[illegible].[illegible]			[illegible].	[illegible]
[illegible]		1[illegible].3	[illegible]2.[illegible]			.[illegible]	[illegible]3.2	51.3	6[illegible].[illegible]			71.[illegible]	[illegible]
[illegible]		11.[illegible]	[illegible]3.4			.[illegible]	53.4	[illegible]0.3	64.6			77.4	77[illegible]
[illegible]		[illegible].1	44.6			.7	44.6	[illegible]9.7	69.3			[illegible]1.4	74[illegible]
[illegible]		1.[illegible]	[illegible].[illegible]3		1.[illegible]	.7	49.3	[illegible]5.[illegible]	[illegible]2.8			[illegible]. .[illegible]	[illegible]
N[illegible]		.7	[illegible]7.[illegible]	1.3	17.[illegible]	.3	62.5	76.3	68.6	.[illegible]		[illegible].6	[illegible]
D[illegible]		.4	[illegible]3.7	[illegible].1	3[illegible].1	.7	69.6	72.1	[illegible]5.4	.7		[illegible].7	[illegible]
TOTALS		[illegible].8	[illegible]1.5	1.4	13.7	1.2	58.2	[illegible]2.3	66.7	.[illegible]		[illegible].[illegible]	[illegible]76[illegible]

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

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

* Values for means and standard deviations do not include measurements from incomplete months.

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 57	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

3 [illegible] AL CLIMATOLOGY BRANCH
[illegible] FETAC
A[illegible] WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

1 STATION [illegible]NHACH AB OL STATION NAME [illegible]53-77, 76-81 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	.[illegible]0	[illegible]0.3	4.5	15.8	9.4	13.4	5.2	2.9						[illegible]1.1	695	2.34	5.[illegible]5	.2[illegible]
FEB	2.[illegible]	[illegible]2.6	5.3	13.8	9.5	12.0	4.8	2.1	.3					47.[illegible]	66[illegible]	1.89	5.[illegible]0	.[illegible]9
MAR	[illegible].0	[illegible]0.6	4.1	11.6	7.[illegible]	12.3	5.9	1.6						42.4	733	1.93	3.[illegible]5	.7[illegible]
APR	.4	1[illegible].1	5.[illegible]	10.9	7.9	11.5	5.7	1.3	.1					42.4	7[illegible]5	1.68	3.46	.34
MAY	[illegible].[illegible]	1[illegible].6	3.[illegible]	11.3	6.[illegible]	11.0	6.6	2.3	.3					42.[illegible]	724	1.99	6.[illegible]0	.56
JUN	1.2	16.[illegible]	[illegible].8	9.6	7.3	9.[illegible]	7.2	5.1	.6					42.8	711	2.[illegible]1	5.[illegible]1	.[illegible]4
JUL	.4.[illegible]	15.5	4.5	7.8	6.1	11.9	4.7	4.[illegible]	1.[illegible]					40.2	748	2.53	6.63	.4[illegible]
AUG	.2.4	14.4	3.[illegible]	8.3	6.[illegible]	13.6	7.6	3.9	.9					43.2	738	2.94	7.31	.[illegible]7
SEP	[illegible].6	13.8	4.5	10.4	3.8	7.4	6.5	2.[illegible]	.9					3[illegible].6	739	2.46	7.[illegible]4	.[illegible]
OCT	4.[illegible]	1[illegible].2	5.8	9.0	6.2	9.[illegible]	6.6	1.3	.4					34.5	754	1.91	4.[illegible]9	.1[illegible]
NOV	3.4	21.4	5.[illegible]	11.9	7.5	12.3	5.9	2.1	.4					46.2	7[illegible]6	2.[illegible]4	5.[illegible]7	.2[illegible]
DEC	2[illegible].5	19.8	7.4	13.1	8.3	13.1	7.5	3.[illegible]	.3					52.7	732	2.51	6.14	.1[illegible]
ANNUAL	[illegible].[illegible]	1[illegible].3	4.7	11.1	7.2	11.4	6.2	2.6	.5					43.[illegible]	8645	27.0[illegible]		

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...ETAC
A... WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

...12C ...EMBACH AB DL 53-72, 76-81
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
[illegible]						*	.36	1.41	.44	.25	.13	.19	
54	.45	.81	.64	.40	.53	1.03	.57	.66	.53	.48	.33	.[illegible]9	1.[illegible]3
55	.74	.74	.37	.24	.50	1.68	.96	.72	.64	.52	.18	.56	1.68
56	.54	.18	.30	.56	.42	.68	.81	1.07	.29	.60	.70	.36	1.07
57	.26	.83	.74	.36	.30	.93	.36	.28	1.80	1.05	.24	.34	1.8[illegible]
58	.65	1.10	.42	.38	.62	.60	1.92	.66	.31	.27	.28	.50	1.92
59	.36	.05	.36	.45	.36	.44	.81	2.12	.02	.32	.33	.69	2.12
60	.42	.53	.72	.47	.63	.60	.66	1.08	.82	.49	.55	.49	1.[illegible]8
61	.52	.26	.24	.57	.63	1.47	1.29	.44	.28	.48	.40	.29	1.47
62	.72	1.10	.76	.70	.60	.10	1.25	.33	.51	.23	.38	.34	1.25
63	.29	.15	.55	.43	.15	.65	1.31	.41	.39	1.15	1.26	.15	1.31
64	.1[illegible]	.25	.27	.67	.60	.50	.16	.49	.79	.50	1.25	.52	1.25
65	1.[illegible]0	.27	.55	.55	.63	1.07*	.83		.87	.12	.73	1.00	
66	.73	.71	.55	.35	.90	.68	.99	1.29	.21	.88	.38	1.56	1.56
67	.29	.55	.44	.47	.58	.35	1.22	.68	2.03	.46	.38	.71	2.[illegible]3
68	* .8[illegible]	.34	.45	.70	.62	1.23	.69	1.73*	1.14*	.35*	.22*	.49	1.[illegible]3
69	* .34*	.89*	.42*	.36*	.67*	.66*	.57*	.67*	.12*	.06*	.52*	.12	* .89
70	* .33*	.82*	.31*	.24*	.77*	.37*	.44*	.55*	.71*	.46*	.45*	.26	* .82
71	* .61*	.23*	.23*	.61*	.81*	.72*	.59*	.57*	.71*	.73*	1.19*	.20	* 1.19
72	* .23*	.08*	.22*	.37*	.49*	.50*	1.49*	.51*	.19*	.48*	.66*	.30	* 1.49
76		.18	.23	.33	.25	.76	1.91	.34	1.33*	.70*	.45*	1.22	
77	* .51*	.79	.39	.28*	.23*	.89*	1.30	.51*	.35*	.29*	.63*	.55	* 1.[illegible]3
78	* .34*	.45	.66	.10*	1.45	.75*	.69	.64*	.50*	.29*	.22*	.74	* 1.45
79	* .99*	.49	.50	.35	.29	.62	.46*	.87*	.60*	.48*	.63*	.60	* .99
80	* .57*	.41	.30*	.53*	.45	.94*	1.10	.98	.46*	.53*	.41*	.27	* 1.1[illegible]
81	* .33*	.35	.46	1.01*	.41	1.23*	.79*	.73*	.67*	1.97*	.60*	.86	* 1.97
MEAN	.501	.503	.471	.470	.505	.816	.961	.835	.689	.520	.501	.582	1.505
S.D	.246	.342	.165	.201	.186	.386	.504	.507	.554	.298	.349	.361	.379
TOTAL OBS	695	660	733	705	724	711	748	738	739	754	706	732	8645

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

123 STATION — MACH AR OL STATION NAME — 53-72, 76-81 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]							* 1.60	2.07	2.17	.81	.27	.99	
74	2.66	1.71	1.39	2.49	1.30	2.37	2.74	4.49	4.36	2.42	1.00	1.94	26.87
75	2.55	3.31	1.27	.91	2.81	5.01	2.51	2.17	2.27	1.39	.64	3.53	28.37
76	2.63	.62	.92	3.46	1.60	2.31	2.49	3.72	1.76	2.92	1.89	1.05	25.44
77	1.63	4.01	2.94	.94	1.56	3.30	1.06	2.04	7.84	1.42	.82	1.75	29.21
78	3.85	5.00	1.33	1.23	3.66	3.96	3.30	3.58	1.16	1.39	1.28	3.10	32.54
79	1.93	.09	1.42	1.86	1.29	1.63	1.30	3.22	.02	1.50	.89	3.13	18.25
80	1.97	2.27	1.19	1.21	2.69	1.52	2.92	5.59	1.42	3.60	3.23	2.27	29.88
81	3.07	1.61	.77	1.86	2.48	4.48	3.35	1.45	.98	2.11	1.36	1.94	25.46
82	1.99	2.36	2.27	1.72	2.11	.24	2.09	1.07	2.43	.53	1.51	2.74	20.34
83	1.23	.80	3.42	1.16	.56	2.81	2.05	3.24	1.43	1.85	5.17	.15	23.67
84	.24	1.15	1.87	1.46	1.47	1.21	.48	1.66	2.17	2.60	3.08	1.83	19.17
85	5.55	1.01	2.80	2.79	2.88	4.18*	3.81		3.51	.23	5.16	6.14	
86	2.30	2.04	2.16	2.63	2.15	3.85	4.22	4.26	.49	2.82	2.40	4.83	34.31
87	1.12	1.88	1.90	1.68	2.22	1.37	2.15	2.92	5.25	3.10	1.88	2.99	28.49
88	* 3.59	1.99	1.89	2.19	2.69	2.97	3.51	7.31*	2.18*	1.49*	.30*	1.03	*31.14
89	* 1.00*	1.79*	1.67*	1.07*	1.12*	2.62*	1.70*	3.25*	.14*	.12*	1.17*	.41	*16.06
90	* 1.38*	2.32*	.76*	1.06*	1.64*	.70*	2.13*	.88*	1.48*	1.09*	1.01*	1.03	*15.49
91	* 1.31*	.71*	.70*	.95*	2.03*	2.76*	.85*	1.61*	.48*	.93*	2.60*	.36	*15.29
92	* .93*	.24*	1.12*	2.42*	2.94*	2.79*	2.32*	2.81*	.56*	.90*	3.55*	.57	*21.13
76		.34	.90	.83	.66	1.00	5.02	.73	3.06*	1.78*	1.63*	3.69	
77	* 2.56*	4.40	1.34	1.18*	.77*	3.37*	1.70	2.91*	.60*	1.43*	2.83*	2.73	*25.79
78	* 1.33*	1.41	2.62	.34*	6.30	2.85*	2.71	1.41*	1.82*	.82*	.42*	4.12	*26.15
79	* 1.86*	2.02	3.65	1.82	1.72	1.96	1.28*	2.81*	1.26*	1.74*	2.91*	3.79	*26.82
80	* 1.41*	1.65	1.51*	1.64*	1.21	4.72*	6.63	1.93	1.53*	2.57*	1.58*	1.64	*28.03
81	* 2.03*	1.15	2.92	1.77*	1.96	4.50*	3.32*	2.09*	1.21*	4.98*	1.23*	5.27	*32.47
MEAN	2.334	1.887	1.928	1.679	1.987	2.812	2.529	2.935	2.462	1.913	2.039	2.512	26.493
S.D	1.291	1.328	.849	.762	.833	1.403	1.197	1.653	1.924	.992	1.524	1.525	5.053
TOTAL OBS	695	660	733	705	724	711	748	738	739	754	706	732	8645

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

...TAL CLIMATOLOGY BRANCH
...TAC
A... ...EATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

1 STATION ... SEYMOUR AP OL STATION NAME 53-72, 76-81 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	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			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	5 .7	21.	9.9	7.4	3.7	.9	.7	.3	.1					22.3	699	7.1	19.3	TRACE
FEB	1.	21.3	7.9	7.3	1.5	.6	.2	.2						17.5	661	4.3	15.	.
MAR	.7	1.2	3.4	2.7	1.7	.3	.3							7.6	735	1.8	6.3	.
APR	8.7	.6	1.	.7	.1	.1			.1					2.1	719	.9	1.	.
MAY	.8	.2													732	TRACE	TRACE	.
JUN	9.														713	.2	.	.
JUL	9.														756	.	.	.
AUG	9.														777	.	.	.
SEP	0.														743	.2	.	.
OCT	9.	.5													736	TRACE	TRACE	.
NOV	.4	10.5	1.7	2.4	1.4	.3	.1	.1						6.2	698	2.2	10.5	.
DEC	4.3	1.5	5.9	5.2	1.8	.5								14.4	734	2.7	12.7	TRACE
ANNUAL	5.9	8.2	7.6	2.1	.8	.2	.1	.1	.0					5.8	8691	19.2		

USAFETAC FORM OCT 78 0-15-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

120 — STATION
EMBACH AB OL — STATION NAME
53-72, 76-81 — YEARS

24 HOUR AMOUNTS 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	2.8	1.4	.2	TRACE	.0	.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	.6	.9	TRACE	.0	.0	.0	.0	.0	2.0	.6	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	2.0	6.4
59	3.5	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.6	3.5
60	1.6	.4	.6	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	2.9	2.9
61	5.9	1.2	.1	.0	.0	.0	.0	.0	.0	TRACE	1.3	.2	5.9
62	TRACE	2.4	3.2	TRACE	.0	.0	.0	.0	.0	.0	4.8	1.2	4.8
63	2.1	1.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.0	2.1
64	.7	.9	1.1	TRACE	.0	.0	.1	.0	.0	.0	TRACE	1.8	1.8
65	1.7	1.0	3.5	TRACE	.0	.0	.0	.0	.0	.1	2.0	.7	3.5
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	2.5	2.6
68	8.	2.6	1.7	.7	.0	.0	.0	.0*	.0		*TRACE*	.5	
69	* 2.0*	2.0*	TRACE*	.2*	TRACE*	.0*	.0*	.0*	.0*	.0*	.9*	1.2	* 2.0
70	* 1.1*	2.7*	2.0*	1.4*	TRACE*	.0*	.0*	.0*	.1*	.0*	.4*	2.0	* 2.7
71	* .1*	.5*	4.3*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	4.0*	.4	* 4.3
72	* 1.1*	.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	2.6*	TRACE	* 2.6
76		1.7	TRACE	TRACE	TRACE	.0	.0	.0	.0*	.0*	TRACE*	1.0	
77	* 2.0*	TRACE	TRACE	TRACE*	.0*	.0*	.0	.0*	.0*	.0*	2.0*	TRACE	* 2.1
78	* 2.7*	2.8	TRACE	TRACE*	.0	.0*	.0	.0*	.0*	.0*	TRACE*	2.0	* 2.8
79	* 6.5*	1.0	.0	TRACE	TRACE	.0	.0*	.0*	.0*	.0*	.5*	.2	* 6.5
80	* .5*	TRACE	TRACE	TRACE*	.2	.0*	.0	.0	.0*	.0*	1.8*	2.7	* 2.7
81	* 5.4*	1.5	TRACE	9.0*	TRACE	.0*	.0*	.0*	.0*	.1*	TRACE*	1.9	9.0
MEAN	2.64	1.55	.86	.67	TRACE	.00	.00	.00	.00	TRACE	1.01	1.15	3.35
S D	2.030	1.571	1.198	2.021	.000	.000	.000	.000	.000	.003	1.465	.917	1.366
TOTAL OBS	699	661	735	799	732	713	756	773	745	736	698	734	8691

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

12 SCHMBACH AB DL — 53-72, 76-81

STATION — STATION NAME — 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	12.5	2.1	.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	14.8
55	7.3	13.5	5.1	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	29.0
56	6.7	5.6	.6	1.5	TRACE	.0	.0	.0	.0	.0	2.0	3.0	19.4
57	7.4	.6	.0	.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	8.1
58	6.4	15.0	8.3	2.2	.0	.0	.0	.0	.0	.0	.0	2.4	34.3
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	6.6	TRACE	.0	.0	.0	.0	.0	.0	13.5	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	3.5	.0	.0	.0	.0	.0	.0	TRACE	8.5	4.0	19.9
67	4.0	.3	.2	1.2	.0	.0	.0	.0	.0	.0	2.9	7.0	15.6
68	19.3	5.5	4.6	.7	.0	.0	.0	.0	.0	*	TRACE	.9	
69	* 3.6	* 7.5	* TRACE	* .2	* TRACE	* .0	* .0	* .0	* .0	* .0	* 1.7	* 2.7	* 15.7
70	* 2.5	* 5.5	* 2.0	* 2.2	* TRACE	* .0	* .0	* .0	* .0	* .0	* .4	* 5.1	* 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	* TRACE	* .0	* .0	* .0	* .0	* .0	* TRACE	* 4.6	* TRACE	* 8.1
76		1.9	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	* TRACE	* 1.2	
77	* 3.8	* TRACE	TRACE	TRACE	* .0	* .0	* .0	* .0	* .0	* .0	* 2.1	* TRACE	* 5.9
78	* 5.3	* 5.5	TRACE	TRACE	* .0	* .0	* .0	* .0	* .0	* .0	* TRACE	* 3.5	* 14.3
79	* 13.6	* 1.5	.0	TRACE	TRACE	.0	.0	* .0	* .0	* .0	* .5	* .3	* 15.9
80	* .9	* TRACE	TRACE	* TRACE	* .0	.0	* .0	.0	* .0	* .0	* 2.0	* 8.5	* 11.4
81	* 12.9	* 3.0	TRACE	12.0	* TRACE	.0	* .0	* .0	* .0	* .0	* TRACE	* 12.7	* 40.6
MEAN	7.11	4.29	1.81	.89	TRACE	.00	.00	.00	.00	TRACE	2.15	2.69	18.54
S.D.	4.716	4.570	2.677	2.689	.000	.000	.000	.000	.000	.003	3.560	2.429	8.431
TOTAL OBS	699	661	735	709	732	713	756	773	745	736	698	734	6691

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

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

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNO, DEPT...
(FROM DAILY OBSERVATIONS)

123 — STATION
...EACH AS OL — STATION NAME
53-72, 76-81 — 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	51-100	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	5...4	12.4	6.4	6.7	...3	7.7	4..	.1						...1.2	7...			
FEB	...	8.6	5..	6.1	4.6	5.6	1.9							...3.4	637			
MAR	5..	6.9	3.5	2.1	1.4	1..	.1							7.4	7..			
APR	8..	.7	.1	.1		.1	.1							.6	695			
MAY	0.														7..			
JUN	0..														717			
JUL	0..														757			
AUG	0..														773			
SEP	0..														745			
OCT	0.														762			
NOV	...1	4.6	1.7	1.0	.3	.4								3.3	717			
DEC	...9	11.1	5.9	4.0	.8	1.6	.7							13.1	742			
ANNUAL	8...7	3.7	1.8	1.7	1.1	1.4	.6	.0						6.6	8676			

USAFETAC FORM OCT 79 0-15-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...L CLIMATOLOGY BRANCH
...ETAC
A... EATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

1 ... SEMBACH AB OL (STATION / STATION NAME) 53-72, 76-81 (YEARS)

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
53						*	0	0	0	0	0	TRACE	
54	8	1	TRACE		0	0	0	0	0	0	0	TRACE	8
55	2	11	7	0	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	0	0	0	0	0	0	0	0	0	TRACE	TRACE	3
58	4	8	3	2	0	0	0	0	0	0	0	2	8
59	4	0	0	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	0	TRACE	TRACE	7
62	TRACE	2	3	0	0	0	0	0	0	0	5	1	5
63	4	5	3	0	0	0	0	0	0	0	0	2	5
64	1	0	0	0	0	0	0	0	0	0	0	1	1
65	1				0	0	0	0	0	0	0	1	
66	1	0	0	0	0	0	0	0	0	0	0	1	1
67	1	0	0	0	0	0	0	0	0	0	0	0	1
68	2	5	1	0	0	0	0	0	0*	0*	0*	3*	5
69	* 8*	10*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	1* 3	* 10
70	* 7*	3*	3*	0*	0*	0*	0*	0*	0*	0*	0*	1* 6	* 7
71	* 7*	0*	4*	0*	0*	0*	0*	0*	0*	0*	0*	3* TRACE	* 7
72	*TRACE*	TRACE*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	1* 2	* 2
76		2	TRACE	TRACE	0	0	0	0	0*	0*	TRACE*	1	
77	* 2*	1	0	TRACE*	0*	0*	0	0*	0*	0*	1*	TRACE	* 2
78	* 2*	4	TRACE	0*	0	0*	0	0*	0*	0*	TRACE*	4	* 4
79	* 1*	3	0	0	0	0	0	0*	0*	0*	1*	1	* 3
80	* 3*	TRACE	TRACE*	TRACE*	0	0*	0	0	0*	0*	4*	4	* 4
81	* 7*	3	0	8*	0	0*	0*	0*	0*	0*	TRACE*	7	8
MEAN	3.3	2.7	.9	.5	.0	.0	.0	.0	.0	.0	.5	.9	4.7
S.D.	2.890	3.474	1.755	1.867	.000	.000	.000	.000	.000	.003	1.356	1.246	4.401
TOTAL OBS	702	637	707	685	732	717	757	773	745	762	717	742	8676

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

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."

C

*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.

*Values for means and standard deviations do not include measurements from incomplete months.

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

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

12 ... BRACH AFB, FL — 61-72, 77-81
STATION — STATION NAME — YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
[illegible]						S*	*37W	40WSW*	*32WSW*	*30S*	*33S*	39*SW*	*43
[illegible]	*	*42WSW*	*60SW	*31WSW*	*36WSW*	*31W	*30W	*34W	*37W	*37W SW*	*23W	*24*SW*	*3[illegible]
[illegible]	F	*26NE	*17W	*36S*	*30W	*26W	40W	*23W	*34NW	*40S*	*32S*	43*NW*	*[illegible]
[illegible]	S*	27SW	32NE	28W	*37WSW*	*29S*	39WSW	35W	42W	39S*	*45S*	*40S*	*35
[illegible]	*	48N*	33W	37SW	33WSW	32S*	40NW	44WSW	26SSW	30*SW	26*S*	49S*	46
[illegible]	*	43N*	31SW	48W	28WSW	39S*	31W	34W	27WSW	32S*	30SSW	35*S*	[illegible]
67	S*	34WSW	48*SW	31WSW	28WSW	53WSW	22SW	34WSW	42WNW	36S*	44S*	32S*	[illegible]
[illegible]	S*	40SSW	27WSW	41W	31WSW	35W	28 24/	37 22/	26 27/	25 22*	24 7*	21 25*	[illegible]
[illegible]	24*	29 24*	22 23*	25 24*	31 27*	31 23*	27 22*	34 27/	28 25*	21 24*	20 21*	42 24*	[illegible]
[illegible]	23*	26 21*	40 24*	33 22*	34 25*	33 24*	28 26*	39 21*	26 27*	30 24*	34 26*	35 23*	[illegible]
[illegible]	22*	37 24*	28 24*	36 26*	36 24*	24 28*	37 24*	30 25*	52 7/	24 23*	37 24*	40 23*	[illegible]
[illegible]	5*	38 25*	20 23*	47 24*	41 22*	37 23*	32 6*	22 23*	27 4*	21 24*	24 27*	57 24*	[illegible]
77									22*	26 26*	28 25*	46 24/	[illegible]
[illegible]	24/	4[illegible]23*	28 28/	47		26*	32 26/	28 16/	24 24/	31 25*	23 24*	24 24/	[illegible]
[illegible]	23*	29 24/	27 24/	38 36/	31 26/	42 24/	26 29/	30 27/	29 27/	29 25/	24 23/	43 27/	[illegible]
[illegible]	24/	45 23/	39 23/	44 26/	44 6/	34 25/	30 21/	29 21/	33 23/	28 21/	38 22*	31 23/	[illegible]
[illegible]	31/	44 24/	36 25/	36 8/	28 27/	25 29/	33 23/	39 22*	28 22/	30 [illegible]/	41 34*	32 22*	41
MEAN	41.1	34.1	38.9	31.9	37.1	32.1	35.0	30.8	30.4	33.8	40.2	40.9	[illegible]
S.D	7.298	6.937	6.827	5.699	8.821	6.470	5.142	6.833	4.551	5.305	6.145	5.699	
TOTAL OBS	402	362	413	371	382	414	440	442	455	448	426	443	4998

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A) [illegible] (BASED ON LESS THAN FULL MONTHS AND *100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

[illegible] (STATION) — [illegible]MBACH AB DL (STATION NAME) — 65-68 (YEARS) — JAN (MONTH)

ALL WEATHER (CLASS) — 0000-0300 (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	.8	.5	.5								2.2	6.6
NNE	1.3	.5	.3									2.2	3.4
NE	3.0	4.6	.8	1.1								9.4	5.5
ENE	3.0	2.2	1.9									7.0	4.9
E	1.1	1.9	1.1									4.2	5.3
ESE	.5	.3										.8	2.7
SE	.8											.8	2.3
SSE	.3											.3	3.0
S	2.2	.5	.3									3.0	3.4
SSW	1.1	1.9	1.6	.5								5.1	6.3
SW	1.3	3.2	5.4	2.4	2.7	.3						15.4	10.3
WSW	.8	2.2	7.8	5.9	2.4	.5						19.7	10.8
W	.5	2.2	3.8	2.2	.5	.3						9.4	9.5
WNW	.3	.3	.3									.8	6.0
NW	.5	.3										.8	3.3
NNW	1.3											1.3	2.4
VARBL	1.1											1.1	2.0
CALM												16.7	
	19.4	20.8	23.7	12.7	5.7	1.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 371

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

[illegible] 9127 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (YEARS) JAN (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	1.7	.8	.4									2.9	4.3
NNE	1.3	1.3		.4								2.9	5.0
NE	2.9	3.1	1.3	.4								7.7	4.6
ENE	1.7	2.3	1.7	.2								5.8	5.4
E	.4	1.9	.6									2.9	4.9
ESE	.6	.8	.6									2.1	5.3
SE													
SSE		.4										.4	5.0
S	.6	.8	.4									1.9	4.7
SSW	1.3	1.3	1.7	.8								5.2	6.8
SW	1.3	4.8	6.5	4.6	.2	1.0						18.4	9.4
WSW	.8	3.5	5.6	4.8	1.5	.4						16.7	10.3
W	1.9	2.1	3.1	3.8	.6							11.5	8.7
WNW	.4											.4	2.0
NW	.2			.2								.4	8.0
NNW	1.7	.4	.2									2.3	3.3
VARBL	.8											.8	2.0
CALM												17.7	
	17.5	23.6	22.1	15.2	2.3	1.5						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 479

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,77-81	JAN
STATION	STATION NAME	YEARS	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	1.7	.9	.1		.1							2.9	3.9
NNE	.4	1.4	.4									2.3	4.6
NE	2.3	3.9	1.7	.6								8.5	5.3
ENE	2.3	3.0	.7	.3								6.3	4.7
E	1.0	1.4	.9	.3								3.6	5.6
ESE	.1	.3	.1									.6	5.0
SE	.3											.3	2.5
SSE	.4	.3										.7	3.4
S	1.6	.7	.4	.3								3.0	4.8
SSW	1.4	1.3	2.0	.9								5.6	6.3
SW	1.1	3.9	4.4	6.3	1.6	.4						17.8	10.3
WSW	1.7	3.2	3.7	5.4	.6							14.6	9.2
W	2.0	2.1	3.7	2.3	.1	.3						10.6	8.1
WNW	.4	.3	.4	.4								1.6	7.2
NW	.6	.4	.3	.3								1.6	5.4
NNW	.9	1.0	.1									2.0	4.1
VARBL	1.0		.6	.1								1.7	4.8
CALM												16.5	
	19.3	24.1	19.8	17.2	2.4	.7						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 698

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7122	SEMBACH AB OL	65-68,77-81	JAN
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	1.1	1.1	.2									2.5	4.1
NNE	1.0	.9	1.1	.1	.5							3.6	7.4
NE	2.3	3.3	1.6	.1								7.4	5.0
ENE	2.2	2.2	1.5	.1								6.0	4.8
E	1.5	1.8	1.2	.2								4.8	5.0
ESE	.4	.2	.6									1.2	5.9
SE	.7	.1										.9	2.7
SSE		.4	.2	.2								.9	8.0
S	1.7	.5	.2	.1	.1							2.7	4.1
SSW	1.5	1.6	2.0	1.1	.1							6.2	7.2
SW	1.6	3.9	3.7	4.7	2.1	.7						16.7	10.4
WSW	1.1	4.0	5.8	5.8	.9	.1						17.6	9.5
W	1.8	3.1	2.7	2.1	.2							9.9	7.6
WNW	.5	.4	.5	.1								1.5	5.7
NW	.2	.6										.9	4.0
NNW	.6	.7	.1		.1							1.6	5.3
VARBL	.4		.2	.1								.7	5.0
CALM												15.1	
	18.6	29.9	21.7	14.8	4.0	.9						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7127 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (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	1.2	1.3	.9	.2								3.7	5.4
NNE	.6	1.8	1.1	.1	.2							3.9	6.5
NE	1.0	2.7	2.3	.6								6.6	6.2
ENE	1.6	4.6	1.7	.1								8.1	5.1
E	1.1	1.5	2.1	.2								4.9	6.4
ESE	.6	.5	.1									1.2	3.7
SE	.2	.4	.1									.7	4.7
SSE	.1	.4	.1									.6	5.4
S	.6	.5	.7	.7								2.6	8.0
SSW	.1	1.3	1.5	.5	.1							3.5	7.8
SW	1.1	3.4	5.1	4.3	1.8	1.2						17.0	10.8
WSW	1.2	4.2	6.1	5.4	.9	.7						18.5	9.9
W	1.3	2.7	5.5	3.7	.2							13.4	8.7
WNW	.6	.6	.2	.1								1.6	4.8
NW	1.6	1.0	.5									3.1	4.0
NNW	.6	1.1	.6	.4								2.7	6.0
VARBL			.6									.6	8.4
CALM												7.3	
	13.7	28.0	29.3	16.4	3.3	2.0						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) | SEMBACH AB DL (STATION NAME) | 65-68,77-81 (YEARS) | JAN (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	1.5	1.8	1.0	.1	.1							4.5	5.4
NNE	1.3	3.2	1.6		.4							6.5	5.8
NE	1.8	4.9	2.0	.5								9.2	5.6
ENE	1.5	3.1	2.0	.1								6.6	5.3
E	.6	2.0	1.7	.2								4.5	6.2
ESE	.2	.4	.1									.7	4.8
SE	.1											.1	2.0
SSE	.2	.2										.5	3.8
S	.6	1.0	1.3	1.0								3.9	7.5
SSW	.1	1.0	1.7	1.0	.2							4.0	9.0
SW	.4	2.7	5.1	3.8	.7	.4	.2					13.3	10.6
WSW	2.8	3.5	5.9	5.3	1.7	.4						19.5	9.5
W	1.1	2.6	3.7	3.4	.1	.2						11.1	8.8
WNW	1.3	.6	.6	.2								2.8	4.8
NW	.7	.7	.4									1.8	4.5
NNW	1.2	.7	.7	.1								2.8	4.7
VARBL		.1	.1	.2								.5	9.0
CALM												7.6	
	15.6	28.4	27.8	16.0	3.3	1.0	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 819

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,77-81	JAN
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	1.7	1.3	.6	.1								3.7	4.5
NNE	.7	.9	.6	.3	.3							2.7	7.2
NE	3.0	4.0	1.9	.1								9.1	4.9
ENE	2.6	2.7	1.6	.3								7.2	4.9
E	1.7	2.3	1.1									5.2	4.8
ESE	.1	.3	.1	.3								.9	7.2
SE	.6	.1										.7	2.2
SSE	.4	1.0	.1									1.6	4.5
S	1.7	.7	.3	.6								3.3	4.9
SSW	.9	1.7	2.0	1.4								6.0	7.5
SW	.6	2.0	5.5	3.3	1.0	.4						12.8	10.2
WSW	1.6	2.9	6.3	3.3	2.0	.4	.1					16.7	9.8
W	.9	.9	4.0	2.0	.6							8.3	9.1
WNW	1.0	.1	.4	.1								1.7	4.8
NW	.7	.7	.1									1.6	3.9
NNW	.3	.4	.3									1.0	4.7
VARBL	.1	.1		.3								.6	8.3
CALM												17.0	
	18.7	22.3	25.0	12.2	3.9	.9	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,77-81	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	1.4	1.4										2.7	3.5
NNE	1.9	1.2	.7	.2	.2							4.1	5.1
NE	1.0	5.0	2.1	.7								8.7	5.8
ENE	1.4	2.2	1.7	.2								5.5	5.5
E	1.0	2.1	.9									3.9	5.0
ESE	.2		.2									.3	4.0
SE	.9	.2										1.0	2.2
SSE	.3	.2										.5	2.3
S	1.0	1.2	1.0	.3	.2							3.8	6.5
SSW	1.2	1.7	2.1	.7								5.6	6.8
SW	1.5	3.2	6.8	2.2	1.7	.5						16.1	9.5
WSW	.9	2.2	5.3	5.0	1.4	.5	.5					15.7	11.3
W	.9	2.1	4.3	1.4	.2							8.7	8.0
WNW	.5	.3	.3	.2								1.4	5.4
NW	.3	.2	.2									.7	4.3
NNW	.3	.5	.2									1.0	4.7
VARBL	.2		.2									.3	5.5
CALM												19.8	
	14.9	23.6	25.8	10.8	3.6	1.0	.5					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 585

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7128 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (YEARS) JAN (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	1.4	1.2	.5	.1	.0							3.2	4.7
NNE	1.0	1.5	.8	.1	.2							3.7	6.0
NE	2.1	3.9	1.8	.5								8.2	5.4
ENE	2.0	2.9	1.6	.2								6.6	5.1
E	1.1	1.8	1.3	.2								4.3	5.5
ESE	.3	.3	.2	.0								1.0	5.0
SE	.4	.1	.0									.6	2.8
SSE	.2	.4	.1	.0								.7	4.8
S	1.2	.7	.6	.4	.0							3.0	5.8
SSW	.9	1.4	1.8	.9	.1							5.1	7.2
SW	1.1	3.4	5.2	4.1	1.5	.6	.0					15.8	10.2
WSW	1.5	3.3	5.7	5.1	1.3	.4	.1					17.4	9.9
W	1.3	2.3	3.9	2.6	.3	.1						10.5	8.5
WNW	.7	.4	.4	.2								1.6	5.3
NW	.7	.5	.2	.1								1.5	4.4
NNW	.8	.7	.3	.1	.0							1.9	4.7
VARBL	.4	.0	.2	.1								.8	5.5
CALM												14.0	
	17.0	29.9	29.6	19.7	3.5	1.1	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 5282

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,77,79	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0030-0200
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	1.1	1.1	2.3	.3								4.8	6.4
NNE	.6	.9	1.4									2.8	5.9
NE	2.3	4.8	3.7									10.8	5.7
ENE	1.7	2.8	1.4									6.0	5.0
E	1.4	.3	1.1									2.8	4.8
ESE	.3			.3								.6	7.0
SE			.3									.3	7.0
SSE	1.1	.3										1.4	3.2
S	1.1	.6	.3									2.0	4.1
SSW	2.0	1.7	1.1	.9								5.7	5.9
SW		1.4	4.3	3.7	.3							9.7	9.9
WSW	1.4	3.4	6.6	4.8	1.1	.3						17.7	9.5
W	2.3	2.0	1.1	2.8								8.3	7.6
WNW	.3	.9	.3	.3								1.7	6.8
NW		.6										.6	4.5
NNW	.6	.3		.3								1.1	5.0
VARBL	1.1											1.1	1.8
CALM												22.5	
	17.4	21.1	23.9	13.4	1.4	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 351

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible] (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	1.3	.7	2.5									4.5	6.0
NNE	2.2	1.6	.9	.2								4.9	4.4
NE	2.9	4.9	4.0	.4								12.3	5.7
ENE	2.9	2.0	1.8	.4								7.2	5.3
E	1.3	1.3	.2									2.9	4.2
ESE	.4	.4										.9	3.0
SE	.2											.2	3.0
SSE	.7	.2	.2									1.1	3.8
S	2.2	1.1										3.4	3.1
SSW	1.1	2.0	1.1	.4	.2							4.9	6.5
SW	.7	2.0	5.4	2.9								11.0	8.9
WSW	1.6	2.2	5.1	4.7	1.6	.4	.4					16.1	10.8
W	.4	2.0	3.6	1.1								7.2	7.9
WNW	.2	.4										.7	4.3
NW	.2	.4		.2								.9	6.3
NNW	.9	.2	.7									1.8	4.8
VARBL	.4			.2								.7	6.3
CALM												19.5	
	19.9	21.7	25.5	10.7	1.8	.4	.4					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 447

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) | SEMBACH AB DL (STATION NAME) | 65-68,76-81 (YEARS) | FEB (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	1.9	1.7	.6	.1								4.3	4.2
NNE	2.6	1.5	.8	.3								5.2	4.5
NE	2.6	5.0	2.8	1.1								11.5	5.8
ENE	2.3	4.7	3.2	1.0								11.2	5.8
E	1.1	.8	.4	.1								2.5	4.7
ESE	1.0	.4	.1									1.5	3.8
SE	.8	.4										1.2	2.9
SSE	1.0	.6	.1									1.7	3.3
S	1.1	1.1	.3	.1								2.6	4.8
SSW	1.5	1.2	1.0	.8								4.6	6.4
SW	1.5	2.9	2.9	3.9	.3	.1						11.6	9.0
WSW	1.1	3.0	2.1	4.4	.3	.3						11.2	9.4
W	1.1	2.3	2.2	1.4	.1	.1	.1					7.5	8.1
WNW	.8		.3	.1								1.2	4.9
NW	.3	.1	.4	.3								1.1	7.5
NNW	.6	.6										1.1	3.1
VARBL	.1	.1		.1								.4	6.0
CALM												19.6	
	21.5	26.5	17.1	13.8	.7	.6	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 724

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7129 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	1.3	.5	.2								3.0	4.9
NNE	2.0	1.2	1.2	.4								4.8	5.4
NE	2.3	3.5	4.0	1.0								10.7	6.4
ENE	2.8	2.3	3.6	.2								8.9	5.8
E	2.0	1.8	1.4	.5								5.8	5.4
ESE	1.1	.5	.4									1.9	4.1
SE	1.1	.5										1.6	3.1
SSE	1.3	.6	.1									2.0	2.8
S	1.6	1.8	.6									4.0	4.2
SSW	1.6	.7	1.3	.7								4.3	6.1
SW	.6	2.2	3.8	3.6	.5							10.7	9.4
WSW	1.6	1.8	4.7	5.3	.6	.5	.2					14.7	10.5
W	1.1	1.4	2.8	1.9	.4							7.6	8.5
WNW	.4	.7	.2	.1								1.4	5.5
NW	.2	.2	.5	.1								1.1	7.7
NNW	1.1	.6	.4									2.0	3.9
VARBL	.2		.4									.6	5.6
CALM												14.9	
	21.9	21.2	25.8	14.1	1.4	.5	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,76-81	FEB
STATION	STATION NAME	YEARS	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	1.1	2.4	.7									4.2	4.5
NNE	1.2	2.5	2.2	.6								6.5	6.3
NE	1.4	4.6	4.6	1.6								12.1	7.0
ENE	.8	2.3	3.7	.7	.1							7.7	7.4
E	.7	1.1	1.6	.5								3.8	6.8
ESE	.6	.2	.5	.4								1.7	6.3
SE	1.0	.2	.1									1.3	3.2
SSE	1.2	.6	.1									1.9	3.1
S	1.0	1.1	.4	.2								2.6	5.0
SSW	1.3	1.1	1.2	.6	.1	.1						4.4	7.1
SW	1.1	3.0	2.9	3.6	.8		.1					11.5	9.4
WSW	1.4	1.8	5.2	5.8	1.4	.2	.4					16.2	11.0
W	.5	1.8	4.1	2.8	.6							9.7	9.4
WNW	.6	.4	.2	.1								1.3	4.5
NW	.4	1.1	1.0	.2	.1							2.8	7.3
NNW	.5	1.7	1.4	.1								3.7	6.1
VARBL	.4	.2	.7	.1								1.4	6.9
CALM												7.0	
	15.1	26.1	30.5	17.3	3.2	.4	.5					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 833

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,76-81	FEB
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	.8	2.8	.7	.1								4.5	5.4
NNE	1.1	3.4	1.8	.5								6.7	5.9
NE	1.7	7.2	4.6	1.6								15.1	6.5
ENE	1.0	3.1	2.8	.5								7.3	6.2
E	1.2	1.4	1.1	.4								4.1	5.6
ESE	.2	1.1	.1	.2								1.7	5.7
SE	.8	.8	.1									1.8	4.1
SSE	1.1	1.2	.1									2.4	3.8
S	.8	1.8	.4									3.0	4.4
SSW	.7	2.4	.7	1.0								4.8	6.6
SW	.7	2.2	2.5	3.7	1.2							10.4	10.1
WSW	.6	1.9	4.6	5.8	1.1							14.0	10.4
W	1.4	1.8	3.0	1.8	.5	.1						8.7	8.4
WNW	1.0	.6	1.0									2.5	4.9
NW	.1	1.3	.4	.2								2.0	6.2
NNW	.6	1.7	1.0	.4								3.6	6.3
VARBL	.2	.1	.4	.5								1.2	7.7
CALM												6.1	
	14.2	34.9	25.2	16.6	2.8	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7127 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	.7	.7	1.0									2.4	5.5
NNE	1.5	3.3	1.4	.1								6.4	5.1
NE	3.9	5.7	2.6	1.4								13.6	5.5
ENE	2.5	3.9	1.1	.1								7.6	4.6
E	2.2	1.7	.8	.1								4.9	4.3
ESE	.6	1.1		.1								1.8	4.2
SE	1.1	.8	.1									2.1	3.4
SSE	1.4	.8										2.2	3.0
S	2.6	.8	.3									3.8	3.1
SSW	1.4	1.3	1.1	.1								3.6	5.0
SW	1.7	1.5	2.2	4.0	.1	.1						9.7	9.1
WSW	.6	1.8	2.9	3.6	.3							9.2	9.6
W	2.2	2.8	2.9	1.4	.4							9.7	7.3
WNW	.3	1.3	.6	.8								2.6	7.9
NW	.6	.1										.7	2.8
NNW	1.3	.8	.1									2.2	3.6
VARBL	.3	.1	.3									.7	5.8
CALM												16.7	
	24.8	28.1	17.5	12.0	.8	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 719

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	1.2	1.5	1.0									3.7	5.1
NNE	1.2	1.7	1.2	.2								4.2	5.3
NE	3.9	3.4	3.5	1.0								11.8	5.7
ENE	2.4	2.7	2.0	.5								7.6	5.5
E	2.2	.3	.7	.3								3.5	4.6
ESE	.7	.5	.2	.2								1.5	5.1
SE	1.0	.2	.2									1.3	2.9
SSE	.8	.5	.7									2.0	5.1
S	2.0	1.7	.5									4.2	3.6
SSW	1.7	1.0	.5	.7								3.9	5.8
SW	1.0	2.2	3.9	2.4	.3	.2						9.9	6.9
WSW	1.9	1.5	3.2	3.5	1.0							11.1	9.6
W	1.0	1.7	1.5	1.9	.3							6.4	6.8
WNW	.2	.2	.3	.3								1.0	8.2
NW	.2	.3	.5	.2								1.2	7.3
NNW	.7	.5	.2									1.3	4.1
VARBL	1.0		.2	.2								1.3	3.6
CALM												23.8	
	22.9	19.9	20.2	11.3	1.7	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 712C	SEMBACH AB DL	65-68,76-81	FEB
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	1.1	1.6	1.0	.1								3.8	5.1
NNE	1.6	2.1	1.4	.3								5.5	5.4
NE	2.6	4.9	3.8	1.1								12.4	6.1
ENE	2.0	3.0	2.6	.5	.0							8.1	5.8
E	1.5	1.2	1.0	.3								4.0	5.2
ESE	.6	.6	.2	.2								1.6	4.8
SE	.8	.4	.1									1.4	3.4
SSE	1.1	.7	.2									1.9	3.4
S	1.5	1.3	.4	.1								3.2	4.0
SSW	1.4	1.4	1.0	.7	.0	.0						4.4	6.2
SW	1.0	2.3	3.3	3.5	.5	.1	.0					10.6	9.4
WSW	1.2	2.1	4.1	4.8	.9	.2	.1					13.5	10.2
W	1.2	2.0	2.8	1.9	.3	.0	.0					8.2	8.3
WNW	.5	.5	.4	.2								1.6	5.9
NW	.3	.6	.4	.2	.0							1.4	6.7
NNW	.8	.9	.5	.1								2.3	5.1
VARBL	.4	.1	.3	.2								.9	5.8
CALM												15.0	
	19.6	25.6	23.4	14.0	1.8	.3	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 5329

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,78,80-81	MAR
STATION	STATION NAME	YEARS	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	1.0	.2								2.5	7.2
NNE	.7	1.0										1.7	3.7
NE	.5	2.7	1.0	.5								4.7	6.4
ENE	.7	2.0	1.0									3.7	5.7
E	.7	.2										1.0	2.8
ESE	.2	.2										.5	3.5
SE	.7	.2										1.0	2.5
SSE	.2											.2	2.0
S	.5	1.5										2.0	4.0
SSW	.2	.7	1.2	.7								2.9	8.2
SW	.5	2.2	3.9	4.9								11.5	9.6
WSW	1.7	2.2	4.4	4.9	1.0	.2						14.5	10.0
W	1.7	3.7	4.4	2.9	.2							13.0	7.9
WNW	1.0	1.2	1.2									3.4	5.0
NW		1.0		.5								1.5	7.7
NNW	.2	1.0	.2									1.5	5.0
VARBL	.7	.2										1.0	1.8
CALM												33.4	
	10.6	21.4	18.4	14.7	1.2	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 407

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

1 7120	SEMBACH AB DL	65-68,77-81	MAR
STATION	STATION NAME	YEARS	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	.6	.8									2.0	5.2
NNE	1.0	1.2	.2									2.4	4.0
NE	1.2	2.2	1.4	.4								5.1	5.8
ENE	.8	1.6	1.0									3.3	5.2
E	1.0	.4										1.4	2.4
ESE		.6										.6	5.3
SE	.2											.2	2.0
SSE													
S	.8	.6	.2									1.6	3.5
SSW	.4	.8	2.0	.4								3.5	7.5
SW	1.6	2.0	5.1	3.5	1.8							13.9	9.8
WSW	1.6	3.5	4.3	6.3	1.0	.4						17.1	9.9
W	2.4	3.3	4.7	3.5	.2	.4						14.5	8.0
WNW	.6	.4	.4									1.4	4.7
NW	.2		.4									.6	5.7
NNW	1.0	1.0	.4									2.4	4.5
VARBL	.8											.8	1.8
CALM												29.3	
	13.9	18.1	20.8	14.1	2.9	.8						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 509

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	1.0	.5	.7									2.2	4.8
NNE	1.4	.9	.9	.2								3.3	5.5
NE	1.5	3.2	2.9	.2								7.8	6.0
ENE	1.1	2.0	1.7	.4								5.2	6.0
E	1.0	.1	.2									1.4	3.1
ESE	.6	.4										1.0	3.4
SE	.1											.1	2.0
SSE	.5	.1	.1									.7	3.0
S	1.2	.5	.5	.1								2.4	4.5
SSW	1.2	1.6	.9	.6								4.3	5.9
SW	1.7	2.7	5.2	5.6	1.1	.2						16.6	9.9
WSW	1.4	4.1	5.0	5.8	1.9	.1						18.2	9.9
W	.7	3.2	3.6	1.1	.1							8.8	7.3
WNW	.2	.2	.2									.7	4.5
NW	.1	.2	.5	.2								1.1	7.3
NNW	.7	.6	.1	.4								1.9	5.6
VARBL	.1											.1	3.0
CALM												23.9	
	14.8	20.5	22.6	14.8	3.1	.4						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 806

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

1 7120	SEMBACH AB DL	65-68,76-81	MAR
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	.3	1.4	.6	.2								4.6	6.0
NNE	.2	1.6	1.6	.1								3.6	6.9
NE	1.3	1.4	1.2	.3								4.2	5.8
ENE	1.1	3.3	1.9	1.0								7.3	6.4
E	.6	.6	1.8	.5	.1							3.8	7.6
ESE	.9	.2	.1	.1								1.3	3.8
SE	.3	.3	.1	.1								.9	5.3
SSE	.6	.4	.2									1.3	4.0
S	1.0	.6	.6	.2								2.5	5.4
SSW	.6	1.1	1.4	1.6	.2	.1						5.1	9.2
SW	1.1	1.7	5.6	6.6	1.3	.6		.1				17.1	11.2
WSW	1.3	3.5	7.0	5.6	1.7	.2	.1					19.4	10.1
W	.9	1.6	4.5	4.5	.5							12.1	9.8
WNW	.4	1.0	.6		.1							2.2	6.1
NW	.3	1.3	.6	.5								2.8	7.2
NNW	.9	.6	.8	.1								2.4	5.2
VARBL	.5	.1	.6	.1								1.4	5.8
CALM												10.2	
	12.4	21.0	29.6	21.7	4.0	1.0	.1	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727120	SEMBACH AB DL	65-68,76-81	MAR
STATION	STATION NAME	YEARS	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	1.1	1.3	1.2	.3								3.9	5.6
NNE		1.4	1.3	.3								3.0	7.1
NE	.5	1.9	2.7	.6	.1							5.9	7.5
ENE	.4	1.7	1.4	1.2	.1							4.8	8.0
E	.5	1.4	1.9	.4	.1							4.4	7.1
ESE	.3	.2	.6	.1								1.3	6.5
SE	.3	.2	.3									.9	5.1
SSE	.5	.6	.1									1.3	4.5
S	.3	.5	.9	.3								2.0	7.3
SSW	.5	1.0	2.4	1.8	.5	.1						6.3	10.1
SW	.2	1.1	4.6	4.4	1.1	.8	.1					12.3	12.0
WSW	.6	2.8	5.7	8.5	1.6	.5						19.8	11.2
W	1.1	3.1	6.6	6.7	.9	.2						18.5	10.0
WNW	.3	.9	1.2	.8								3.1	7.8
NW	.5	.2	1.1	.4								2.3	7.5
NNW	1.1	1.4	1.2	.1								3.8	5.7
VARBL	.8	.3	1.6	.9	.1	.1						3.8	8.5
CALM												2.7	
	9.2	20.1	34.7	26.9	4.5	1.7	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120	SEMBACH AB DL	65-68,76-81	MAR
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	.9	1.1	1.6	.3								3.9	6.1
NNE	.6	1.4	1.2									3.2	5.8
NE	.9	2.9	2.9	1.0	.1							7.8	7.0
ENE	.9	1.3	1.6	1.1								4.8	7.4
E	.5	1.4	1.1	.6								3.7	6.8
ESE	.1	.5	1.1	.2								1.9	7.6
SE	.1	.3	.4									.9	6.6
SSE	.6	1.1	.3									2.0	4.6
S	.1	1.1	.8	.2	.1							2.3	7.3
SSW	.2	1.2	2.5	1.6	.4	.1						6.0	9.9
SW	.2	1.5	3.9	6.6	1.1	.3	.2					13.8	11.7
WSW	.6	1.8	5.2	5.6	2.5	.4						16.1	11.6
W	.8	2.4	7.1	5.8	1.1	.1						17.2	10.1
WNW	.9	1.1	2.4	1.0								5.3	7.6
NW	.3	1.0	1.0	.8								3.0	7.5
NNW	.5	2.4	1.3	.1								4.3	5.8
VARBL	.3	.2	1.0	.2								1.7	7.2
CALM												2.0	
	8.6	22.6	35.2	25.1	5.3	1.0	.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,76-81	MAR
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	.9	1.2	.5								3.7	6.1
NNE	1.5	.7	.5	.4								3.1	5.1
NE	1.7	2.6	1.2	1.0								6.6	6.3
ENE	1.6	3.0	3.4	.6								8.6	6.4
E	2.6	1.4	.4									4.4	3.4
ESE	1.1	.4	.2									1.7	3.5
SE	1.0	.4										1.4	2.9
SSE	1.1	.4	.1									1.6	3.3
S	.7	2.9	1.1									4.7	5.1
SSW	1.5	2.1	1.9	1.0								6.5	6.6
SW	.6	1.7	3.2	5.6	.5	.1						11.8	10.4
WSW	1.0	3.7	2.7	2.5	.5							10.5	8.3
W	1.7	4.5	5.4	3.1	.6							15.3	8.3
WNW	1.0	1.5	1.7	.9								5.1	6.7
NW	1.2	.5	.9									2.6	5.0
NNW	.6	1.7	.4									2.7	4.5
VARBL	.1		.1									.2	4.5
CALM												9.3	
	20.4	28.4	24.5	15.6	1.6	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 803

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

07120	SEMBACH AB DL	65-68,76-81	MAR
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	.7	1.0	1.0									2.8	5.6
NNE	.7	.6	.4	.3								2.1	5.5
NE	2.2	1.9	1.5	.1								5.8	5.1
ENE	1.8	2.2	1.6	.4								6.1	5.8
E	1.5	.6	.4	.1								2.7	4.2
ESE	1.2	.1										1.3	2.4
SE	.4	.1										.6	2.8
SSE	1.6	.1										1.8	2.0
S	1.2	1.2	1.0									3.4	4.8
SSW	1.0	.9	1.6	.9								4.5	7.3
SW	.9	2.7	3.9	3.4	.3							11.2	6.7
WSW	1.3	2.8	2.7	3.6	.4	.1						11.1	9.1
W	1.8	4.0	3.4	1.9	.3							11.5	7.5
WNW	1.2	.9	1.2									3.3	5.5
NW	.7	.6	.3	.1								1.8	4.8
NNW	.7	1.6	.3									2.7	4.6
VARBL	.4		.3									.7	3.8
CALM												26.3	
	19.8	21.7	19.9	11.1	1.0	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 668

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
7120	SEMBACH AB DL	65-68,76-81	MAR

CLASS: ALL WEATHER
HOURS (L S T): ALL
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	1.1	.2								3.1	5.8
NNE	.7	1.1	.9	.2								2.9	5.8
NE	1.2	2.3	2.0	.6	.0							6.1	6.4
ENE	1.1	2.2	1.8	.7	.0							5.7	6.5
E	1.1	.9	.9	.3	.0							3.1	5.6
ESE	.6	.3	.3	.1								1.3	4.9
SE	.4	.2	.1	.0								.8	4.3
SSE	.7	.4	.1									1.3	3.7
S	.7	1.1	.7	.1	.0							2.7	5.4
SSW	.8	1.2	1.8	1.2	.2	.1						5.2	8.4
SW	.8	1.9	4.5	5.3	.9	.3	.1	.0				13.8	10.6
WSW	1.1	3.1	4.8	5.5	1.4	.3	.0					16.1	10.2
W	1.3	3.1	5.1	3.9	.6	.1						14.1	9.0
WNW	.7	.9	1.2	.4	.0							3.1	6.6
NW	.5	.6	.7	.4								2.1	6.7
NNW	.8	1.3	.7	.1								2.8	5.3
VARBL	.5	.1	.6	.2	.0	.0						1.3	6.7
CALM												14.5	
	13.5	21.9	27.0	19.0	3.2	.7	.1	.0				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 5978

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,79,81	APR
STATION	STATION NAME	YEARS	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	2.5	.7									4.6	4.7
NNE	.7	1.6	1.1									3.4	5.6
NE	.5	5.3	1.8	.2								7.8	5.8
ENE	1.8	2.3	.7									4.8	4.2
E	.5	.9	.2									1.6	4.4
ESE													
SE	.5											.5	1.5
SSE	.2											.2	1.0
S	.5	.5										.9	3.5
SSW	.5	.9	.7									2.1	5.6
SW	1.1	2.3	3.2	1.1	.2							8.0	7.6
WSW	1.8	1.4	3.4	.9								7.6	6.8
W	2.1	1.4	1.8	.7								6.0	6.0
WNW	.9											.9	2.3
NW	.5	1.1										1.6	3.9
NNW	1.1	1.6	.7									3.4	4.7
VARBL	2.1		.5									2.5	2.6
CALM												43.9	
	16.1	21.8	14.9	3.0	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10712 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (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	.7	1.7	1.3									3.7	5.7
NNE	1.7	1.5	.4									3.5	4.1
NE	1.7	5.1	2.0	.2								9.0	5.3
ENE	1.7	.4	.2	.2								2.4	3.9
E	.7	.2										.9	2.4
ESE													
SE													
SSE	.6											.6	2.0
S	.7	.2										.9	2.6
SSW	.9	1.5	.2	.2								2.8	4.6
SW	1.3	2.0	2.6	.9	.2							7.0	6.9
WSW	2.9	4.0	2.6	.2								9.7	5.3
W	1.8	1.8	2.4	1.3	.2							7.5	7.1
WNW	.7	.4	.2									1.3	4.0
NW	.4	.6										.9	3.8
NNW	1.1	2.4	.7	.2								4.4	5.0
VARBL	.9	.4	.2									1.5	3.9
CALM												44.0	
	17.8	22.0	12.7	3.1	.4							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 545

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,76-81	APR
STATION	STATION NAME	YEARS	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	2.2	1.1									4.4	5.3
NNE	1.2	1.9	2.3	.2								5.7	6.1
NE	2.3	3.8	3.7	.6								10.5	6.0
ENE	1.9	1.9	1.1	.1								4.9	4.6
E	.5	.2		.1								.9	4.4
ESE	.2	.2										.5	3.2
SE	.1											.1	2.0
SSE	1.1	.2										1.4	2.5
S	1.4	.4										1.7	2.4
SSW	1.0	.7	.5	.1								2.3	4.9
SW	1.4	2.6	2.3	1.5	.2							8.0	7.5
WSW	2.6	3.3	4.1	1.6	.2							11.9	7.2
W	1.6	2.1	2.5	.7	.1							7.0	6.5
WNW	1.0	.2										1.2	2.7
NW	.4	.5	.1									1.0	4.0
NNW	1.4	1.1	1.6									4.1	5.2
VARBL	.4		.5									.9	6.6
CALM												33.4	
	19.5	21.5	19.9	5.1	.6							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 809

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	1.7	3.1	1.9	.1								6.8	5.3
NNE	.6	2.1	2.3	.6								5.6	6.8
NE	.8	4.0	4.3	1.6								10.6	7.5
ENE	1.8	2.6	3.2	1.1	.1							8.8	6.8
E	.7	1.3	.6	.3								2.9	6.1
ESE	.7	.4	.4	.3								1.9	6.7
SE	.1	.6	.6									1.2	6.1
SSE	.6	.3										.9	3.3
S	.2	.3	.2	.1								.9	5.6
SSW	1.0	1.9	1.5	.2								4.6	6.0
SW	1.1	1.6	3.1	2.2	.4							8.5	8.9
WSW	1.3	2.2	6.2	4.5	.7							14.9	9.2
W	2.0	2.2	4.8	2.0	.2							11.3	7.8
WNW	.4	.8	1.1	.3								2.7	7.0
NW	.7	1.9	1.1	.1								3.8	5.8
NNW	.8	2.0	.8	.2								3.8	5.4
VARBL	.8	.7	2.1	.2								3.8	6.6
CALM												6.9	
	15.2	28.2	34.2	14.0	1.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,76-81	APR
STATION	STATION NAME	YEARS	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	1.8	3.3	2.1	.3								7.5	5.6
NNE	.6	1.9	1.3	1.5	.1							5.4	8.1
NE	.4	1.9	4.1	2.1	.1							8.7	8.8
ENE	1.1	2.4	4.4	1.3								9.2	7.2
E	.7	1.6	2.5	.7	.1							5.5	7.4
ESE	.2	.8	1.0	.3								2.4	7.5
SE	.1	.6										.7	4.7
SSE	.1	.3	.2	.1								.8	5.9
S	.3	.4	.4	.1								1.3	5.8
SSW	.2	.7	1.3	.3	.2							2.8	8.6
SW	.7	1.6	3.5	2.5	.6		.1	.1				9.0	10.1
WSW	1.5	2.2	4.4	6.1	.6	.1	.1					14.9	9.8
W	.8	3.5	5.2	2.4	.3							12.1	8.3
WNW	1.0	.8	1.3	.3								3.5	6.2
NW	.6	.7	.8	.1								2.1	6.3
NNW	.9	1.8	2.7	.8	.1							6.3	7.2
VARBL	.6	.8	3.1	1.7	.1							6.3	8.9
CALM												1.6	
	11.5	25.1	38.5	20.6	2.2	.1	.2	.1				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,76-81	APR
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	.8	2.5	2.5	.2	.1							6.1	6.6
NNE	.6	2.5	1.6	1.0								5.7	7.1
NE	.2	2.8	5.1	2.0	.1							10.3	8.6
ENE	.7	2.7	3.2	.7	.3							7.6	7.7
E	.8	2.0	2.1	.1								5.1	6.0
ESE		.9	.9	.2								2.0	7.2
SE	.2	.6	.9	.1								1.8	6.2
SSE	.8	.7	.1									1.6	4.1
S	.9	.9	.1									1.9	3.8
SSW	.8	.9	1.0	.1	.2							3.1	6.8
SW	.5	1.6	2.9	2.5	.2							7.7	9.5
WSW	.6	2.8	6.3	2.7	.6							13.0	9.0
W	1.0	3.6	6.1	3.3	.2							14.3	8.4
WNW		1.0	.8	.2								2.0	6.9
NW	1.0	1.6	.7									3.3	5.0
NNW	1.0	2.4	2.6	1.4	.1							7.5	7.6
VARBL	.3	.8	2.6	.6								4.3	7.9
CALM												2.8	
	10.2	30.3	39.6	15.2	1.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 884

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 712C (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) APR (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	3.2	3.3	.8								8.0	6.8
NNE	2.1	2.1	1.0	.5								5.8	5.3
NE	2.5	4.5	4.9	2.5								14.5	7.2
ENE	1.3	3.2	1.3	.1								5.8	5.2
E	2.0	2.8	.9									5.7	4.3
ESE	.4	.6	.6									1.6	5.8
SE	.1	.4										.5	3.8
SSE	.5	.4										.9	3.7
S	.3	.4	.3									.9	4.9
SSW	.6	.8	1.4	.5								3.3	7.0
SW	.5	2.5	2.5	1.1	.5							7.2	8.4
WSW	2.0	3.4	3.4	1.0	.3							10.1	6.7
W	2.4	4.7	3.7	1.1								11.9	6.2
WNW	1.6	1.6	.8	.1								4.2	4.9
NW	.6	.9	.5									2.0	4.8
NNW	1.9	2.5	1.8	.5								6.7	6.1
VARBL	.5	.3	.3									1.0	4.8
CALM												10.0	
	20.3	34.1	26.5	8.3	.8							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 792

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) APR (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	2.8	1.3	.4								6.2	5.4
NNE	1.5	1.0	1.3	.1								4.0	5.1
NE	1.6	4.1	2.6	1.6								10.0	6.7
ENE	1.8	2.4	1.8	.1								6.0	5.3
E	1.3	1.6	.3									3.2	3.8
ESE	.3	.3	.3									.9	4.8
SE	.4											.4	2.0
SSE	.1											.1	2.0
S	.6	.3	.1									1.0	3.9
SSW	1.3	.6	.9	.4								3.2	5.6
SW	1.3	1.8	1.3	1.2	.3							5.9	7.2
WSW	2.1	2.2	2.6	.6	.4							7.9	6.8
W	2.1	3.1	1.3									6.5	5.0
WNW	1.6	.4		.1								2.2	3.6
NW	1.3	.7		.1								2.2	3.7
NNW	1.3	3.2	1.3									5.9	5.1
VARBL	1.0											1.0	1.3
CALM												33.2	
	21.3	24.6	15.3	4.9	.7							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 680

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	1.3	2.7	1.9	.3	.0							6.1	5.8
NNE	1.1	1.9	1.5	.6	.0							5.1	6.3
NE	1.2	3.8	3.8	1.5	.0							10.4	7.2
ENE	1.5	2.3	2.2	.5	.1							6.6	6.2
E	.9	1.4	.9	.2	.0							3.5	5.5
ESE	.3	.5	.5	.1								1.3	6.5
SE	.2	.3	.2	.0								.7	5.1
SSE	.5	.3	.1	.0								.9	3.6
S	.6	.4	.2	.0								1.2	4.1
SSW	.8	1.0	1.0	.3	.1							3.1	6.3
SW	.9	2.0	2.7	1.7	.4		.0	.0				7.7	8.5
WSW	1.8	2.7	4.3	2.5	.4	.0	.0					11.8	8.1
W	1.7	2.9	3.7	1.6	.2							10.1	7.3
WNW	.9	.7	.6	.2								2.4	5.4
NW	.7	1.0	.5	.1								2.2	5.0
NNW	1.2	2.1	1.6	.4	.0							5.4	6.2
VARBL	.7	.4	1.3	.4	.0							2.8	7.0
CALM												18.7	
	16.2	26.5	27.1	10.3	1.2	.0	.0	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 5931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) SEMBACH AB OL (STATION NAME) 65-68,76-77,79 (YEARS) MAY (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	.4										1.7	2.6
NNE	1.1	1.1	.4									2.5	4.6
NE	1.5	3.6	.8	.4	.2							6.5	5.7
ENE	2.1	1.9	.8	.4								5.3	4.9
E	2.3	1.3	.2									3.8	3.6
ESE	.6		.2									.8	3.8
SE	.8	.2										1.1	2.8
SSE	.6	.8										1.5	3.1
S	1.1	.2	.2									1.5	3.6
SSW	1.3	.4	1.5	.4								3.6	6.2
SW	1.9	2.9	2.7	2.3		.2						10.1	7.4
WSW	1.9	2.1	1.7	1.3	.4	.2						7.6	7.9
W	1.3	3.4	2.1	.6								7.4	6.0
WNW	1.9	.4										2.3	2.7
NW	.4	.8	.4									1.7	4.8
NNW	.4	.2										.6	3.7
VARBL	.8											.8	1.5
CALM												41.3	
	21.3	19.8	11.2	5.5	.6	.4						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 475

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,77-81	MAY
STATION	STATION NAME	YEARS	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	1.0	1.6	.9									3.5	5.0
NNE	1.6	2.1	.5									4.1	4.3
NE	2.1	1.7	2.6	.3								6.7	5.9
ENE	.9	1.7	1.4	.2								4.1	5.8
E	1.9	.3										2.2	2.5
ESE	.3											.3	1.5
SE	.9											.9	2.0
SSE	1.2											1.2	1.9
S	2.1	.5	.3									2.9	3.1
SSW	.7	1.4	1.0									3.1	5.7
SW	1.2	2.9	2.2	.5								6.9	6.1
WSW	1.6	2.1	4.8	1.7	.7							10.9	8.6
W	2.2	2.4	1.7	.5								6.9	5.5
WNW	.5	.9	.2									1.6	4.0
NW	.5	.3	.3									1.2	4.9
NNW	.3	1.0	.3									1.7	5.1
VARBL	1.2			.2								1.4	2.9
CALM												40.2	
	20.2	19.0	16.4	3.5	.7							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 579

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,76-81	MAY
STATION	STATION NAME	YEARS	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	1.3	1.2	.6									3.1	4.3
NNE	1.2	1.6	1.0									3.7	4.9
NE	2.3	4.8	2.2	.2								9.5	5.2
ENE	1.9	2.0	3.4	.6								8.0	6.4
E	1.2	1.0	.7									2.9	4.4
ESE	.4	.1										.5	2.0
SE	.4											.4	2.3
SSE	.4	.4										.7	3.2
S	2.2	.4	.1									2.7	2.8
SSW	2.0	1.2	1.4	.5								5.2	5.7
SW	1.1	2.8	4.0	1.6								9.4	7.4
WSW	2.3	3.6	3.6	3.4	.4							13.3	7.6
W	1.0	1.8	2.0	1.0								5.8	7.0
WNW	.2	1.0	.1									1.3	4.9
NW	.4	.5	.7									1.6	6.5
NNW	.8	.8	1.0									2.7	5.4
VARBL	.4	.1	.4									.8	5.9
CALM												28.6	
	19.4	23.3	21.2	7.2	.4							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7 7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (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	1.6	1.4	1.1	.1								4.3	5.1
NNE	.5	2.5	1.0	.2								4.3	5.9
NE	.5	3.5	3.8	1.3	.1							9.3	7.6
ENE	1.1	3.2	4.1	2.1								10.4	7.7
E	.4	1.4	2.2	.3	.2							4.6	7.5
ESE	.5	.8	.5	.3								2.2	6.1
SE	.5	.2	.3									1.1	4.6
SSE	1.2	.4	.2	.1								2.0	4.0
S	1.3	1.0	.2	.1								2.6	4.1
SSW	1.3	.7	1.8	.7	.1							4.5	7.1
SW	1.2	2.1	4.9	3.1	.5							11.9	8.8
WSW	1.3	3.7	5.3	3.4	.7							14.4	8.6
W	1.9	3.7	4.5	1.6	.2							12.0	7.2
WNW	.4	.8	.7	.1								2.0	5.9
NW	.3	1.3	.2	.1								2.0	5.4
NNW	1.0	.4	1.0									2.4	5.1
VARBL	.9	.4	1.8	.4								3.5	6.8
CALM												6.6	
	16.2	27.7	33.6	19.1	1.9							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAY (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	1.1	2.2	1.4	.2								4.9	5.7
NNE	.7	2.0	2.2	.1								4.9	6.5
NE	1.1	2.0	3.2	1.3	.1							7.7	7.7
ENE	.7	2.0	3.2	1.9								7.7	8.4
E	.8	2.5	2.1	1.5	.1							7.0	7.8
ESE	.3	.9	1.1	.7								3.0	8.0
SE	.2	1.0	.7									1.9	5.8
SSE	.2	.5	.3	.1								1.2	6.1
S	.5	.8	.9	.1								2.3	6.1
SSW	.4	.7	1.0	.9								3.0	8.3
SW	.4	1.9	4.2	2.7	.4	.1						9.7	9.7
WSW	1.2	2.5	7.3	3.7	.7	.2						15.6	9.1
W	1.6	3.7	4.3	4.3	.3							14.2	8.6
WNW	.4	2.0	.9	.7								3.9	6.6
NW	.7	.4	.5	.1	.1							1.9	6.1
NNW	1.1	1.2	.5	.1								3.0	4.8
VARBL	.2	.3	3.7	1.3	.1							5.7	9.0
CALM												2.6	
	11.7	26.4	37.4	19.7	1.9	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,76-81	MAY
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	1.1	2.0	.7	.1								3.9	4.8
NNE	1.1	1.8	1.8	.6	.1							5.3	6.7
NE	.4	3.1	2.7	1.4								7.6	7.4
ENE	.2	2.5	3.9	1.2	.3							8.2	8.2
E	.6	1.9	2.7	1.2								6.3	7.6
ESE	.1	1.1	1.3	.1								2.7	6.9
SE	.1	.8	.7	.4								2.0	7.5
SSE	1.1	1.4	.8									3.3	5.1
S	.6	1.0	.3	.4								2.3	6.3
SSW	.6	1.1	.9	1.0								3.5	7.5
SW	.6	.9	3.8	2.4	.4							8.1	9.8
WSW	1.2	3.1	6.2	3.9	.2	.1						14.7	8.9
W	1.7	2.3	6.1	4.1	.2							14.4	8.6
WNW	.4	1.8	1.1	.8								4.1	6.9
NW	.3	1.0	.8	.2								2.3	6.5
NNW	.7	2.0	1.0	.1								3.8	5.7
VARBL	.7	.3	3.4	1.2								5.7	8.5
CALM												1.7	
	11.4	28.2	38.0	19.3	1.3	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 902

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727120	SEMBACH AB OL	65-68,76-81	MAY
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	1.4	1.6	1.0									4.0	5.1
NNE	1.5	1.7	.7	.4								4.3	5.4
NE	2.2	4.2	3.2	.5								10.1	5.8
ENE	1.9	3.3	3.3	1.0								9.5	6.6
E	2.5	3.3	1.0	.1								6.9	4.5
ESE	1.2	1.5	1.4									4.1	5.2
SE	.5	1.4	.4	.1								2.3	5.4
SSE	.5	.2	.1	.1								1.0	4.9
S	1.5	1.1	.5	.1								3.2	4.3
SSW	.9	1.6	.9	.4								3.7	5.6
SW	1.1	2.8	3.6	1.5	.4							9.4	7.7
WSW	1.6	3.6	4.1	2.0	.1							11.4	7.4
W	1.6	5.2	5.1	1.0								12.8	6.7
WNW	.9	1.0	1.5	.1								3.5	6.0
NW	1.0	.4	.7	.1								2.2	5.3
NNW	1.1	1.5	1.2	.1								4.0	5.8
VARBL	.5			.4								.9	6.4
CALM												6.8	
	21.7	34.4	28.6	7.9	.5							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

07120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAY (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	2.0	1.3	.3									3.6	3.8
NNE	1.6	2.3	1.4	.3								5.6	5.5
NE	2.3	3.7	2.6	.3								8.9	5.6
ENE	2.3	3.3	1.3	.3								7.2	5.2
E	2.0	1.7	.7									4.5	4.1
ESE	1.3	.7	.3									2.3	3.6
SE	.6	.4	.4									1.4	4.3
SSE	.1											.1	2.0
S	1.4	.3	.6									2.3	3.7
SSW	1.1	1.7	.4	.3								3.6	5.0
SW	1.7	3.3	2.0	.9	.1							8.0	6.1
WSW	1.7	2.9	2.7	1.0	.4	.1	.1					9.1	7.9
W	2.6	3.0	1.4	.4								7.5	5.0
WNW	1.6	.3	.3	.1								2.3	3.8
NW	.3	.4	.3									1.0	5.4
NNW	1.1	1.4	.3									2.9	4.5
VARBL	1.0		.3	.1								1.4	4.0
CALM												28.3	
	24.9	26.9	15.4	3.7	.6	.1	.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7128	SEMBACH AB DL	65-68,76-81	MAY
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	1.4	1.5	.8	.1								3.8	4.8
NNE	1.1	1.9	1.2	.2	.0							4.5	5.7
NE	1.5	3.4	2.8	.8	.0							8.5	6.4
ENE	1.3	2.5	2.9	1.1	.0							7.9	7.0
E	1.3	1.8	1.4	.5	.0							5.0	6.0
ESE	.6	.7	.7	.2								2.1	5.8
SE	.5	.5	.3	.1								1.4	5.2
SSE	.7	.5	.2	.0								1.4	4.4
S	1.3	.7	.4	.1								2.5	4.3
SSW	1.0	1.1	1.1	.6	.0							3.8	6.4
SW	1.1	2.4	3.6	2.0	.3	.0						9.3	8.2
WSW	1.6	3.0	4.7	2.7	.4	.1	.0					12.6	8.4
W	1.7	3.2	3.6	1.9	.1							10.6	7.3
WNW	.7	1.1	.7	.3								2.7	5.7
NW	.5	.7	.5	.1	.0							1.8	5.8
NNW	.9	1.1	.7	.0								2.8	5.2
VARBL	.7	.2	1.4	.5	.0							2.8	7.4
CALM												16.6	
	17.8	26.3	27.0	11.1	1.0	.1	.0					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 6118

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10712	SEMBACH AB DL	65-68,76-77,79-81	JUN
STATION	STATION NAME	YEARS	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	1.9	1.3	.2									3.4	3.8
NNE	1.1	.6	.6									2.4	4.3
NE	1.9	3.8	1.5									7.3	4.6
ENE	1.1	.6										1.7	3.0
E	.2	.2										.4	2.5
ESE	.2	.2										.4	3.0
SE	.2											.2	2.0
SSE		.2										.2	5.0
S	1.5											1.5	2.0
SSW	1.1	1.1		.4								2.6	5.0
SW	2.1	1.9	1.9	.6								6.6	5.7
WSW	2.8	2.8	1.9	.6								8.1	5.3
W	2.1	1.9	2.1	.6								6.8	6.0
WNW	1.5	.4		.2								2.1	4.1
NW	1.3	.2										1.5	2.3
NNW	1.5	1.3	1.1									3.8	4.9
VARBL	.6											.6	1.7
CALM												50.2	
	21.2	16.7	9.4	2.6								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 468

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	65-68,77-81	JUN
STATION	STATION NAME	YEARS	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	.9	.3									1.7	4.4
NNE	.3	1.0	.5									1.9	4.7
NE	3.0	1.7	2.1									6.8	4.7
ENE	1.0	.9	.2									2.1	4.0
E	.3											.3	2.5
ESE	.5	.2										.7	2.3
SE	.2											.2	2.0
SSE	.2											.2	2.0
S	.7	.5										1.2	3.1
SSW	1.7	1.2		.3								3.3	4.3
SW	1.7	3.1	1.9	.5	.2	.2						7.7	6.3
WSW	1.4	4.4	3.0	.3								9.1	5.8
W	2.1	3.7	1.7									7.5	5.0
WNW	.2	.9		.2								1.2	5.3
NW	.5	.7										1.2	4.0
NNW	.9	.5	1.0									2.4	5.2
VARBL	.3											.3	1.5
CALM												52.0	
	15.7	19.7	10.8	1.4	.2	.2						100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,76-81	JUN
STATION	STATION NAME	YEARS	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	1.3	.7	1.7									3.8	5.2
NNE	1.1	1.3	.1									2.6	4.0
NE	1.6	4.1	1.6	.1								7.4	5.1
ENE	1.2	2.2	1.7									5.1	5.4
E	.6	.2	.1									1.0	3.4
ESE	.4	.4										.7	3.2
SE	.6											.6	2.0
SSE	.7											.7	2.0
S	2.2	.6										2.8	2.4
SSW	2.2	2.2	.9	.1	.1							5.5	4.9
SW	1.2	4.8	3.4	1.5	.5							11.3	7.1
WSW	1.3	4.4	5.6	.7	.1	.1	.1					12.4	7.2
W	1.2	3.5	1.7	.7								7.2	6.0
WNW	.9	.4	.5	.2								1.9	5.6
NW	.6	.9	.1									1.6	4.2
NNW	.9	1.8	.7	.1								3.5	5.1
VARBL	.4	.1	.1									.6	3.4
CALM												31.2	
	18.4	27.6	18.3	3.5	.7	.1	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

10712O	SEMBACH AB DL	65-68,76-81	JUN
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	1.2	2.6	1.1									4.9	5.0
NNE	1.6	2.3	1.8									5.7	5.1
NE	1.3	3.6	2.0									6.9	5.3
ENE	1.7	3.4	2.9	.3								8.3	5.9
E	.4	1.7	1.2	.2								3.6	6.3
ESE		.3	.1	.2								.7	7.8
SE	.3	.2	.1	.1								.8	5.1
SSE	.2	.1	.1									.4	4.3
S	1.6	.4	.1									2.1	2.9
SSW	.4	1.9	2.2	.3								4.9	6.9
SW	1.0	4.5	5.6	2.0	.2	.2						13.5	8.0
WSW	1.2	5.3	5.9	2.8	.6							15.8	7.9
W	2.0	4.4	4.9	1.7	.2							13.2	7.1
WNW	.6	.9	.8	.1								2.3	5.5
NW	.8	1.7	.3									2.8	4.8
NNW	.9	.9	1.3	.1								3.2	6.1
VARBL	1.1	.6	1.6	.2								3.5	6.0
CALM												7.3	
	16.4	34.7	32.2	8.2	1.0	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) JUN (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	1.0	2.3	1.9									5.2	5.5
NNE	.7	2.1	1.2	.1								4.1	5.7
NE	.8	2.7	2.5	.4								6.4	6.5
ENE	1.2	3.5	1.7	.6								6.9	5.9
E	.9	1.3	2.3	.9								5.5	7.6
ESE	.3	.3	.4	.1								1.2	6.5
SE	.1	.6	.1									.8	5.1
SSE	.3	.4										.8	4.0
S	1.0	1.5	.2									2.7	4.2
SSW	.4	1.2	1.1	.7								3.5	7.4
SW	.9	2.6	4.2	2.0	.2							9.9	8.2
WSW	.7	2.5	7.6	4.7	.2							15.6	9.0
W	1.7	4.6	7.3	3.5	.6							17.5	8.3
WNW	.6	2.2	1.7	.2								4.7	6.1
NW	.1	1.0	.6	.2								1.9	6.8
NNW	.9	1.6	1.1	.2								3.8	6.1
VARBL	1.0	.7	2.3	.7								4.7	7.2
CALM												4.8	
	12.6	31.0	36.3	14.3	1.0							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DE	65-68,76-81	JUN
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	1.5	2.9	1.5									5.9	5.1
NNE	1.0	2.9	1.2	.3								5.5	5.7
NE	.8	2.6	1.9	.7								6.0	6.5
ENE	1.0	2.8	2.3	.2								6.3	6.0
E	.7	1.5	1.7	.6								4.4	6.6
ESE	.7	1.1	.6	.1								2.5	5.2
SE	.2	.1	.3									.7	5.5
SSE	.3	.1										.5	2.8
S	.8	.8	.3									1.9	4.6
SSW	.3	1.7	1.5	.7								4.2	6.9
SW	.9	2.0	3.8	2.3								9.0	8.1
WSW	.9	4.0	5.9	3.5	.2							14.4	8.6
W	.8	5.9	10.0	4.4								21.1	8.3
WNW	.8	1.1	1.0	.1								3.0	5.9
NW	.9	1.6	.8	.1								3.4	5.3
NNW	.9	1.1	1.0	.3								3.4	5.9
VARBL	.9	.5	2.1	.5								4.0	6.9
CALM												3.8	
	13.4	32.7	36.0	13.8	.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) JUN (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	1.9	2.5	1.0	.1								5.5	4.7
NNE	2.2	2.6	1.6	.1								6.6	4.9
NE	1.7	4.5	1.9	.2								8.4	5.4
ENE	2.2	2.6	1.5	.4								6.7	5.2
E	.9	1.6	.2									2.7	3.9
ESE	.4	.7	.1									1.2	5.2
SE	.1	.2										.4	3.3
SSE	.5	.2	.2									1.0	4.6
S	1.0	1.4	.5									2.9	4.7
SSW	1.1	1.6	1.1	.1	.1							4.1	5.9
SW	1.2	3.2	2.4	.9								7.7	6.4
WSW	2.7	3.9	5.2	1.4								13.2	6.6
W	3.4	7.1	5.6	2.1	.2							18.5	6.6
WNW	1.4	1.0	.6	.1								3.1	4.6
NW	1.0	1.7	.2	.1								3.1	4.8
NNW	1.7	1.9	.6									4.2	4.2
VARBL	.6	.2	.6	.1								1.6	5.6
CALM												8.9	
	24.2	37.2	23.6	5.7	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	65-68,76-81	JUN
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	2.5	3.0	.3									5.8	4.0
NNE	2.5	1.9	.1									4.5	3.4
NE	2.0	1.4	1.2	.1								4.8	4.7
ENE	2.0	1.4	1.3									4.8	4.6
E	.9	.1										1.0	2.6
ESE													
SE	.7	.1										.9	2.2
SSE	1.0	.3										1.3	2.7
S	1.7	.4	.3									2.5	3.5
SSW	1.2	1.0	.3	.3								2.8	5.2
SW	1.9	1.4	1.6	.4								5.4	5.5
WSW	3.8	4.1	2.5	.7								11.0	5.4
W	3.3	2.8	1.4	.7	.1							8.4	5.5
WNW	.7	.4	.4									1.6	4.3
NW	.1	1.0										1.2	4.4
NNW	1.4	1.7	.1									3.3	3.7
VARBL	1.2											1.2	1.8
CALM												39.7	
	27.0	21.3	9.6	2.3	.1							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 690

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7123	SEMBACH AB DL	65-68,76-81	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

(CONDITION)

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	1.5	2.1	1.1	.0								4.7	4.8
NNE	1.3	2.0	1.0	.1								4.4	4.9
NE	1.5	3.1	1.9	.2								6.7	5.4
ENE	1.5	2.4	1.6	.2								5.7	5.5
E	.6	.9	.8	.2								2.7	6.1
ESE	.3	.4	.2	.1								1.0	5.2
SE	.3	.2	.1	.0								.6	3.9
SSE	.4	.2	.0									.7	3.4
S	1.[illegible]	.8	.2									2.3	3.6
SSW	1.0	1.5	1.0	.4	.0							4.0	6.3
SW	1.3	3.0	3.3	1.4	.1	.0						9.2	7.3
WSW	1.7	3.9	5.0	2.1	.2	.0	.0					13.0	7.4
W	2.0	4.4	4.8	1.9	.2							13.3	7.2
WNW	.8	1.0	.7	.1								2.6	5.4
NW	.6	1.2	.3	.1								2.2	4.9
NNW	1.1	1.4	.9	.1								3.5	5.2
VARBL	.8	.3	1.0	.2								2.3	6.0
CALM												21.2	
	18.2	28.9	23.9	7.2	.5	.1	.0					100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 6029

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-68,77,79	JUL
STATION	STATION NAME	YEARS	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	1.6	1.4										3.0	3.5
NNE	1.0	.8										1.8	3.1
NE	.8	2.0										2.8	3.9
ENE	.8	2.2										3.0	3.7
E													
ESE	.2											.2	2.0
SE													
SSE	.2											.2	2.0
S	.4	.4										.8	4.3
SSW	.6	.4										1.0	2.8
SW	1.2	3.0	1.4									5.6	5.1
WSW	1.2	3.2	3.2	.4								8.0	6.5
W	3.0	2.0	1.2	.4	.2							6.8	5.0
WNW	1.2	.8	.2									2.2	3.5
NW	.6	.6										1.2	3.3
NNW	1.2	.4	.4									2.0	3.6
VARBL	2.2											2.2	1.4
CALM												59.2	
	16.2	17.2	6.4	.8	.2							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	64-68,77-81	JUL
STATION	STATION NAME	YEARS	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	1.8	.6										2.4	2.7
NNE	1.1	.3										1.4	2.4
NE	1.0	2.6	.2									3.7	4.1
ENE	.8	.6										1.4	3.4
E		.2										.2	6.0
ESE													
SE	.2											.2	2.0
SSE													
S	.6	.2										.8	2.2
SSW	1.6	.5	.5	.2								2.7	4.4
SW	2.2	3.3	2.2	.3								8.1	5.5
WSW	1.9	2.9	4.6	.5								9.9	6.5
W	2.1	1.4	1.1	.3								4.9	5.0
WNW	1.1											1.1	1.7
NW	.8	.5	.2									1.4	3.9
NNW	1.3	1.1										2.4	3.2
VARBL	1.1											1.1	2.0
CALM												58.2	
	17.5	14.2	8.8	1.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72120	SEMBACH AB DL	64-68,76-81	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L S T)

CONDITION

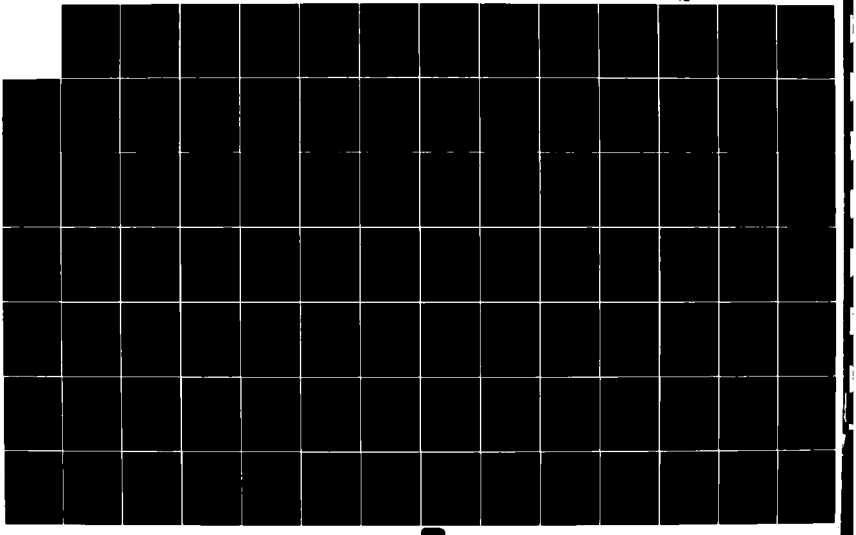
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	.7	.4									2.1	4.2
NNE	1.2	.8	.2									2.2	3.5
NE	1.3	2.2	.4									4.0	4.4
ENE	1.7	2.0	.7	.1								4.5	4.5
E	1.0	.6	.2									1.8	3.9
ESE	.3											.3	2.0
SE	.2	.1										.3	3.0
SSE	.7	.1										.8	2.0
S	1.9		.2									2.1	2.5
SSW	1.9	1.1	.7	.2								3.9	4.5
SW	2.6	4.6	3.8	1.0	.1							12.0	6.1
WSW	1.9	4.1	6.0	1.4	.2							13.7	7.2
W	1.6	1.6	2.1									5.2	5.4
WNW	.9	1.0	.2									2.1	4.2
NW	1.1	1.0	.1									2.2	3.8
NNW	1.6	1.2	.4									3.2	3.9
VARBL	1.6		.1									1.7	2.3
CALM												37.7	
	22.4	21.1	15.7	2.8	.3							100.0	3.2

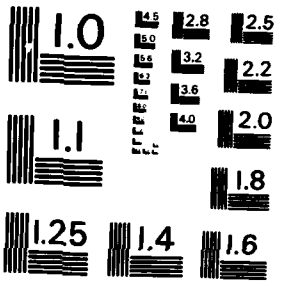
TOTAL NUMBER OF OBSERVATIONS 897

AD-A122 711 SEMBACH AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 28 JUL 82

UNCLASSIFIED USAFETAC/DS-82-049 SBI-AD-E850 204 F/G 4/2 NL

25





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (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	1.1	1.5	.9	.1								3.6	5.0
NNE	1.0	1.5	.5									3.0	4.4
NE	1.3	2.5	.7	.1								4.7	4.9
ENE	1.6	2.4	1.8	.1								6.0	5.2
E	1.9	1.8	1.2	.2								5.2	4.9
ESE	.6	.3	.4									1.3	4.5
SE	.4											.4	3.0
SSE	.5	.2										.7	3.0
S	1.6	.3	.3									2.2	3.7
SSW	1.2	1.7	1.3	.3								4.6	5.8
SW	1.1	3.7	4.3	2.1	.4	.1						11.8	8.0
WSW	2.3	4.4	10.8	4.2	.7	.1						22.5	8.4
W	1.9	2.8	4.8	1.6								11.1	7.0
WNW	1.4	1.8	1.1	.1								4.5	5.2
NW	.6	2.0	1.0									3.6	5.5
NNW	.7	2.3	.5									3.5	4.7
VARBL	1.1	.9	.9	.2								3.1	5.0
CALM												8.1	
	20.6	30.4	30.6	9.0	1.1	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 987

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

17120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) JUL (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	1.1	2.7	1.3									5.1	5.2
NNE	.7	1.0	1.5									3.2	5.9
NE	.6	1.7	1.0	.2								3.5	5.7
ENE	1.3	2.1	1.3	.2								4.9	5.5
E	.7	2.7	1.1	.2								4.7	5.7
ESE	.4	.9	.7									2.0	6.0
SE	.2	.5	.1									.8	4.6
SSE	.4	.5	.1									1.0	4.3
S	.5	.5	.3									1.3	4.3
SSW	.5	1.5	2.3	.9								5.2	7.6
SW	1.0	2.9	4.2	2.6	.6	.1						11.5	8.8
WSW	.9	3.5	8.1	4.3	.8	.1						17.8	9.2
W	1.7	4.5	5.9	3.3								15.4	7.8
WNW	1.9	2.2	1.9									6.1	5.2
NW	.6	1.5	1.3	.2								3.6	5.9
NNW	1.3	1.7	1.9	.2								5.1	5.6
VARBL	1.0	.8	2.7	.4								4.9	6.7
CALM												3.5	
	14.9	31.5	35.8	12.6	1.4	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 991

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-68,76-81	JUL
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	1.3	2.9	1.4									5.7	5.2
NNE	.8	1.9	1.2									4.0	5.4
NE	.6	1.7	.7	.1								3.2	5.8
ENE	1.0	2.4	1.0									4.5	5.1
E	1.3	1.6	.8	.1								3.9	5.0
ESE	.4	.9	.7									2.0	5.6
SE	.4	.6	.2									1.2	4.6
SSE	.8	.8	.1									1.7	4.1
S	.7	.4	.2	.1								1.4	5.0
SSW	.5	.7	1.3	.6								3.2	7.7
SW	.9	2.1	3.7	2.2	.5							9.5	8.9
WSW	.7	3.9	8.3	5.2	.4							18.5	9.2
W	1.9	4.4	7.5	3.3	.1							17.2	7.9
WNW	.9	3.2	1.3	.2								5.6	5.7
NW	.7	1.3	1.7	.2								4.0	6.1
NNW	.7	3.7	2.2	.2								6.8	5.9
VARBL	.9	.3	2.0	.3								3.6	6.8
CALM												4.3	
	14.7	32.9	34.6	12.5	1.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 984

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) JUL (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	2.8	3.0	1.5	.1								7.4	4.8
NNE	2.3	1.4	.7									4.3	4.1
NE	1.7	3.3	.7	.1								5.8	4.5
ENE	1.4	3.2	.8	.1								5.4	4.7
E	2.6	1.6	.7									4.9	4.0
ESE	.7	.9	.1									1.7	4.1
SE	.3	.3	.1									.8	4.3
SSE	.9	.2										1.1	2.7
S	.6	.3										.9	3.1
SSW	.7	1.2	.6									2.5	5.1
SW	1.8	2.6	1.6	1.0								7.0	6.3
WSW	2.0	4.5	6.0	2.1								14.7	7.1
W	2.3	6.3	6.2	1.6	.2							16.6	6.9
WNW	1.2	1.9	1.0		.1							4.3	5.3
NW	1.4	1.7	.8	.1								4.0	4.8
NNW	1.9	2.1	1.7	.1								5.9	5.1
VARBL	.2			.1								.3	5.0
CALM												12.5	
	24.7	34.7	22.3	5.9	.3							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 886

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (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	1.7	3.4	1.0									6.1	4.4
NNE	2.4	1.8	.3									4.5	3.2
NE	2.3	3.3	.4									6.0	4.2
ENE	1.8	1.6	.3									3.7	3.7
E	.7	.4	.3									1.4	4.0
ESE	.1											.1	3.0
SE	.4	.1	.1									.7	4.0
SSE	.3		.1									.4	4.0
S	1.6	.1										1.7	1.9
SSW	1.0	.7	.1	.1								2.0	4.4
SW	2.1	2.8	1.4	.3								6.7	5.2
WSW	3.1	3.7	3.7	.7	.1							11.4	5.9
W	3.3	2.6	1.3	.3								7.4	4.7
WNW	.4	1.3	.4									2.1	5.0
NW	1.8	.7										2.6	3.0
NNW	1.4	1.3	.6									3.3	4.2
VARBL	1.1											1.1	1.5
CALM												38.8	
	25.7	23.9	10.1	1.4	.1							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 704

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) JUL (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	1.5	2.1	.9	.0								4.6	4.7
NNE	1.3	1.2	.6									3.2	4.3
NE	1.2	2.4	.6	.1								4.2	4.7
ENE	1.3	2.1	.9	.1								4.4	4.8
E	1.2	1.3	.6	.1								3.1	4.8
ESE	.4	.4	.3									1.1	4.9
SE	.3	.2	.1									.6	4.1
SSE	.5	.3	.0									.8	3.4
S	1.0	.3	.2	.0								1.5	3.4
SSW	1.0	1.1	1.0	.3								3.4	5.9
SW	1.6	3.1	3.0	1.4	.2	.0						9.4	7.2
WSW	1.7	3.8	6.8	2.7	.3	.0						15.4	8.0
W	2.1	3.4	4.2	1.5	.1							11.3	6.9
WNW	1.2	1.7	.9	.0	.0							3.8	5.0
NW	.9	1.3	.7	.1								3.0	5.0
NNW	1.2	1.9	1.1	.1								4.3	5.0
VARBL	1.1	.3	.9	.2								2.4	5.1
CALM												23.4	
	19.6	27.0	22.7	6.6	.7	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 6576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7123 (STATION) SEMBACH AB DL (STATION NAME) 64-68,78 (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	1.0	1.3	.4									2.7	4.5
NNE	1.3	.2										1.5	3.0
NE	1.7	5.0	.4	.4								7.5	4.8
ENE	1.9	1.9										3.8	3.6
E	1.0											1.0	1.4
ESE	.6	.2										.8	2.5
SE	1.0											1.0	1.8
SSE	.2	.2										.4	4.0
S	1.9	1.5	.2									3.6	3.4
SSW	1.7	1.3	.4									3.4	3.8
SW	1.7	3.1	2.1	.6								7.5	6.0
WSW	1.5	2.5	1.9	.8								6.7	6.1
W	1.7	1.5	.6	.4								4.2	5.2
WNW	.2	.6		.2								1.0	5.2
NW	.6	.2	.4									1.3	4.3
NNW	.4	.6	.4									1.5	5.1
VARBL													
CALM												52.0	
	18.4	20.1	6.9	2.5								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 477

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,77-81 (YEARS) AUG (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	1.3	.5										1.8	3.0
NNE	.8	.5	.2									1.5	3.6
NE	2.3	3.3	1.0									6.6	4.2
ENE	1.2	.3	.3									1.8	3.5
E	.7	.3										1.0	2.7
ESE	.2											.2	1.0
SE	.3	.3										.7	3.0
SSE	.7	.5										1.2	3.0
S	2.0	.7										2.6	2.9
SSW	1.2	1.0	1.3	.2								3.6	5.7
SW	2.3	2.6	2.1	.7								7.8	5.6
WSW	2.3	1.5	1.5	.7								6.0	5.4
W	1.3	1.3	1.7	.2								4.5	5.6
WNW		.2	.3									.5	7.0
NW	.3	.2										.5	3.3
NNW	.5	.5	.3									1.3	4.5
VARBL	1.2											1.2	1.7
CALM												57.4	
	18.5	13.7	8.8	1.7								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 605

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) AUG (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	.8	.5	.3									1.6	4.4
NNE	1.2	.7	.3									2.2	3.9
NE	2.0	3.2	.8	.2								6.1	4.6
ENE	1.4	1.5	1.4	.1								4.5	5.2
E	.8	.3	.2									1.3	3.6
ESE	.3											.3	2.0
SE	.4	.1										.5	2.2
SSE	.8	.2										1.0	2.7
S	2.5	1.5										4.1	3.1
SSW	2.8	2.3	.5	.3	.1							6.1	4.5
SW	1.9	3.0	2.3	1.0								8.1	6.3
WSW	1.2	4.1	3.9	.8								10.0	6.6
W	1.1	2.1	2.0	.2								5.4	6.1
WNW	.4	.4	.2	.2								1.3	5.8
NW	.5	.3	.2									1.1	4.0
NNW	.8	.5	.5									1.9	4.5
VARBL	.2	.1	.2									.5	5.0
CALM												43.9	
	19.2	20.9	13.0	2.8	.1							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 913

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) AUG (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	1.8	1.5	.3									3.6	3.8
NNE	1.9	1.5	.5	.1								4.0	4.3
NE	1.5	3.6	2.0	.3								7.4	5.6
ENE	1.3	3.2	2.0	.2								6.7	5.6
E	1.7	2.0	1.2	.2								5.1	5.3
ESE	1.1	.3	.1	.3								1.8	4.7
SE	.4	.3	.3	.1								1.1	5.4
SSE	.8	1.0										1.8	3.7
S	2.2	.8	.1									3.1	3.2
SSW	1.2	1.5	2.0	.2								4.9	5.
SW	.9	2.6	3.5	1.8								8.8	7.6
WSW	1.5	5.2	5.5	3.1	.2							15.4	7.8
W	1.8	4.0	4.5	1.4	.2	.1						11.9	7.4
WNW	.6	1.0	.8	.4								2.8	6.3
NW	.6	1.3	.4	.1								2.4	5.0
NNW	1.0	1.8	.6	.1								3.5	4.9
VARBL	1.0	.2	1.1	.3								2.6	5.8
CALM												13.3	
	21.2	31.6	29.8	8.6	.4	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1005

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) AUG (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	1.4	1.9	.6	.2								4.1	4.9
NNE	1.2	2.7	1.5									5.4	5.1
NE	1.3	2.9	1.3	.3								5.8	5.6
ENE	.4	2.8	2.3	.3								5.8	6.3
E	1.5	2.6	1.4	.4								5.9	5.7
ESE	.3	.6	.5	.4								1.8	6.8
SE		.7	.7									1.4	6.9
SSE	.4	.7	.6									1.7	5.4
S	.9	1.6	.7	.1								3.3	5.1
SSW	.7	1.5	1.8	1.0	.1							5.1	7.7
SW	.8	1.5	3.6	1.6	.1							7.5	8.3
WSW	1.6	3.3	6.3	3.6	.1	.1						15.0	8.4
W	1.6	4.9	6.2	3.4	.2							16.2	8.0
WNW	1.4	2.3	1.3	.6								5.6	5.9
NW	1.3	1.1	.8	.3								3.5	5.3
NNW	1.0	2.3	1.0	.1								4.4	5.3
VARBL	1.4	.1	1.8	.6								3.9	6.9
CALM												4.1	
	17.1	33.2	32.2	12.8	.5	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1008

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) AUG (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	1.7	1.8	2.1									5.7	5.4
NNE	1.2	1.5	1.4	.2								4.3	5.7
NE	1.2	3.1	1.3	.2								5.9	5.6
ENE	1.2	2.9	2.1	.3								6.6	5.8
E	1.1	2.5	1.9	.5								6.1	6.0
ESE	.6	.5	.6									1.7	5.0
SE	.5	1.1	.6									2.2	5.2
SSE	.3	.5	.1									.9	4.7
S	1.1	1.8	.4	.2								3.5	4.9
SSW	.8	1.7	1.9	.8								5.3	7.2
SW	.7	2.5	3.1	2.0	.1							8.5	8.3
WSW	1.7	3.7	6.4	3.2								15.1	8.0
W	1.1	4.0	6.2	3.8	.2							15.4	8.5
WNW	.9	1.4	1.6	.6								4.6	6.7
NW	.3	1.8	.9									3.0	5.7
NNW	1.1	1.7	1.4	.2								4.4	5.7
VARBL	.6		1.1	.3								2.0	7.2
CALM												4.9	
	16.3	32.9	33.3	12.4	.3							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	64-68,76-81	AUG
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	2.3	2.6	1.0	.2								6.1	4.7
NNE	1.6	2.5	1.3									5.4	4.8
NE	3.5	3.2	.9									7.6	4.1
ENE	2.3	4.6	1.2									8.1	4.7
E	1.9	1.7		.1								3.7	3.7
ESE	.6	.3	.2									1.1	3.9
SE	.9	.3	.2									1.4	4.0
SSE	.6	.4										1.0	3.1
S	2.1	1.2	.9	.1								4.3	4.3
SSW	1.6	1.6	1.0									4.1	4.6
SW	2.1	3.2	2.2	.7								8.2	5.9
WSW	1.9	4.1	4.1	.9								11.0	6.5
W	2.3	5.4	3.6	.8								12.0	5.9
WNW	1.1	1.4	.6									3.1	4.6
NW	.9	1.0	.9									2.8	5.0
NNW	1.9	1.9	.3									4.1	3.8
VARBL	.4											.4	1.8
CALM												15.3	
	28.0	35.5	18.5	2.8								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 68-68,76-81 (YEARS) AUG (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	2.1	1.5	.2									3.8	3.4
NNE	2.6	.9	.3									3.8	3.2
NE	2.0	3.6	1.1	.2								6.8	4.8
ENE	2.4	1.7	1.1									5.2	4.1
E	.6	1.1										1.7	3.7
ESE	.8											.8	2.0
SE	1.2	.2										1.4	2.2
SSE	.6	.2										.8	2.4
S	2.3	.6	.2									3.0	3.0
SSW	1.5	1.2	.3	.2								3.2	4.0
SW	2.1	2.4	1.5	.2								6.2	4.8
WSW	2.3	3.2	.9	.6								7.0	5.3
W	3.0	1.7	.6	.6								5.9	4.5
WNW	1.2	.2	.2									1.5	2.8
NW	.5	.8	.2									1.4	4.6
NNW	1.5	.6	.5									2.6	3.7
VARBL	.8											.8	1.8
CALM												44.4	
	27.4	19.7	6.8	1.7								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 660

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120	SEMBACH AB DL	64-68,76-81	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	1.6	1.5	.7	.1								3.8	4.5
NNE	1.5	1.4	.8	.0								3.8	4.6
NE	1.9	3.4	1.2	.2								6.6	4.9
ENE	1.4	2.5	1.5	.1								5.6	5.2
E	1.2	1.5	.7	.2								3.6	5.0
ESE	.6	.3	.2	.1								1.2	4.7
SE	.5	.4	.3	.0								1.3	4.5
SSE	.5	.5	.1									1.2	3.9
S	1.8	1.3	.3	.1								3.5	3.9
SSW	1.4	1.6	1.3	.4	.0							4.6	5.8
SW	1.5	2.6	2.7	1.2	.0							7.9	6.9
WSW	1.7	3.6	4.3	1.9	.0	.0						11.6	7.3
W	1.7	3.4	3.6	1.6	.1	.0						10.3	7.1
WNW	.8	1.1	.7	.3								2.9	5.8
NW	.7	.9	.5	.1								2.2	5.1
NNW	1.1	1.4	.7	.1								3.2	4.8
VARBL	.7	.1	.6	.2								1.6	5.8
CALM												25.2	
	20.6	27.4	20.1	6.4	.2	.0						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 6554

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76,78,80 (YEARS) SEP (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	1.6	.5										2.0	2.9
NNE	1.1	.7										1.8	2.9
NE	1.6	3.9	1.1	.2								6.8	4.9
ENE	1.4	1.1	.5									2.9	4.1
E	.7	.5	.5									1.6	4.7
ESE													
SE	.7											.7	2.0
SSE	.9	.2	.5									1.6	3.7
S	1.6	.5	.2									2.3	3.2
SSW	1.8	.9	.9	.5								4.1	5.4
SW	2.5	4.3	5.7	1.1								13.6	6.7
WSW	3.6	4.3	3.9	.9	.5							13.2	6.0
W	1.1	2.0	1.8	.2								5.2	5.9
WNW	.5	.5	.2									1.1	4.6
NW													
NNW	.2	.2										.5	3.0
VARBL	.5											.5	1.0
CALM												42.2	
	19.7	19.5	15.2	2.9	.5							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 491

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-68,76-81	SEP
STATION	STATION NAME	YEARS	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	.5										1.0	3.5
NNE	1.5	.7	.2									2.4	3.4
NE	1.2	2.2	1.3	.2								4.9	5.3
ENE	1.2	1.0	.5									2.7	4.3
E	.5	.2	.5									1.2	4.9
ESE	1.3											1.3	2.1
SE	1.0											1.0	2.3
SSE	.5	.2										.7	2.5
S	2.0	1.3	.2									3.5	3.1
SSW	2.0	1.3	1.5	.3								5.2	5.7
SW	2.9	4.4	3.7	.3	.2							11.5	6.0
WSW	1.3	3.9	4.2	1.3	.3							11.1	7.4
W	1.0	1.7	.7	.3								3.7	5.3
WNW	.5	.2										.7	2.5
NW	.2	.2	.2									.5	6.0
NNW	.5	.3										.8	2.8
VARBL	.7											.7	1.5
CALM												47.0	
	18.9	18.0	13.0	2.5	.5							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) SEP (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	1.0	.1	.2	.1								1.5	4.0
NNE	1.4	.6	.1									2.1	3.6
NE	2.6	2.0	1.7	.1								6.5	4.8
ENE	1.2	1.2	.5									2.8	4.5
E	.8	.1										.9	2.3
ESE	.7	.1										.8	2.4
SE	.7	.1										.8	1.6
SSE	1.4	.1										1.5	2.0
S	2.5	.7	.8									4.0	3.7
SSW	2.9	1.2	.6	.6								5.4	4.7
SW	2.3	5.1	3.9	1.8								13.1	6.6
WSW	2.1	2.8	4.5	1.7								11.1	7.2
W	1.7	1.5	2.0	.5								5.6	6.1
WNW	.5	.6	.1									1.2	4.3
NW	.1											.1	2.0
NNW	.9	.3	.1									1.4	3.3
VARBL	.2		.1									.3	3.7
CALM												40.9	
	23.0	16.4	14.9	4.8								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

17120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (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	.7	.6	.6									2.0	4.9
NNE	1.1	1.2	.8									3.2	5.0
NE	1.8	3.9	2.0	.3								7.9	5.2
ENE	1.5	2.4	1.5	.3								5.8	5.5
E	.8	1.1	.9	.2								3.1	5.5
ESE	.6	.3	.4	.1								1.4	5.2
SE	.4	.3										.7	3.3
SSE	.9	.5	.1									1.5	3.2
S	2.9	.6	.8									4.3	3.6
SSW	1.9	2.4	2.3	.8								7.3	6.0
SW	1.7	4.0	6.1	2.8	.4							15.0	7.9
WSW	1.0	4.0	7.2	5.3	.6	.1						18.3	9.1
W	1.8	2.5	3.3	2.0								9.5	7.3
WNW	.3	.5	.3									1.1	5.1
NW	.4	.3	.1									.8	4.3
NNW	.5	1.1	.5									2.2	5.0
VARBL	1.3	.3	1.0									2.7	4.8
CALM												13.1	
	19.7	26.2	28.1	11.8	1.0	.1						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 969

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) SEP (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	1.0	1.1	1.0	.1								3.3	5.1
NNE	.8	1.7	.9	.2								3.7	5.6
NE	.4	2.7	2.1	.4								5.6	6.5
ENE	1.2	3.5	2.6									7.3	5.8
E	.7	1.7	2.1	.6								5.1	6.9
ESE	.6	.5	.6									1.7	5.4
SE	.3	.7	.2	.1								1.3	5.8
SSE	.4	.3	1.1									1.9	6.4
S	1.4	1.2	.8	.4								3.9	5.7
SSW	1.5	2.5	2.0	1.5								7.5	7.0
SW	.3	2.3	5.0	4.0	.2							11.8	9.3
WSW	1.3	2.9	8.0	7.3	.9							20.5	9.8
W	2.1	2.3	4.7	3.2	.1							12.3	8.1
WNW	.3	.8	.7									1.9	5.8
NW	.5	.2	.3	.1								1.1	5.1
NNW	.7	.7	.7									2.2	5.5
VARBL	1.3	.8	2.7	.4								5.2	6.5
CALM												3.6	
	15.1	26.0	35.6	18.4	1.2							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 972

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) SEP (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	.3	1.7	.6	.1								2.7	5.7
NNE	.6	1.1	.8									2.5	5.4
NE	1.6	3.6	1.2	.1								6.4	5.1
ENE	2.2	4.0	2.1	.3								8.6	5.4
E	1.5	2.2	1.8	.2								5.7	5.3
ESE	.4	.8	.7	.3								2.3	6.7
SE	.9	.5	.8									2.3	5.4
SSE	.5	1.2	.3	.1								2.1	5.4
S	.4	1.6	.9	.1								3.0	6.0
SSW	.8	2.3	2.2	.9								6.3	7.1
SW	.1	2.8	6.2	1.8								10.9	8.2
WSW	.9	3.5	7.0	5.5	.6							17.6	9.3
W	1.8	5.2	6.2	4.5	.3							18.0	8.2
WNW	.5	.8	.6	.1								2.1	5.6
NW	.2	.6	.1									.9	4.6
NNW	.7	.4	.2	.1								1.5	4.8
VARBL	.5	.6	1.8	.1								3.0	6.8
CALM												3.9	
	14.2	32.9	33.8	14.3	.9							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 951

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (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	1.0	1.0	.2									2.2	3.9
NNE	1.6	.8	.6									3.0	4.2
NE	3.7	2.5	1.0									7.2	4.0
ENE	3.8	4.1	.6									8.5	3.9
E	2.2	1.6	.8									4.6	4.0
ESE	1.1	.5	.1									1.7	3.3
SE	1.3	.4	.1									1.8	2.9
SSE	1.3	.6										1.9	2.8
S	2.9	1.4	.4									4.7	3.2
SSW	1.9	2.5	1.3	.2		.1						6.1	5.4
SW	1.7	3.0	3.0	.6								8.3	6.4
WSW	2.9	5.4	4.9	1.6				.1				14.9	6.6
W	2.6	4.0	2.5	.8								10.0	5.7
WNW	.6	.7	.1									1.4	4.2
NW	.4	.4										.7	3.5
NNW	.7	.7	.1	.1								1.7	4.8
VARBL	.4		.2									.6	4.0
CALM												20.9	
	30.0	29.5	16.1	3.4		.1		.1				100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIr WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) SEP (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	.8										2.3	2.8
NNE	2.0	.5	.2									2.7	2.8
NE	2.8	3.4	1.4									7.7	4.3
ENE	2.2	2.5	.6									5.3	4.1
E	.9	.6	.8									2.3	4.9
ESE	.3	.2										.5	3.0
SE	1.1		.2									1.3	2.6
SSE	2.0	.2										2.2	2.0
S	3.0		.5									3.4	2.9
SSW	1.7	1.4	.9	.3								4.4	4.9
SW	2.3	4.7	2.7	.8								10.5	5.8
WSW	1.7	3.9	3.1	1.1	.3							10.2	6.6
W	1.3	1.9	1.3	.3								4.7	5.5
WNW	.6	.5	.2									1.3	3.8
NW	.3	.3										.6	3.8
NNW	.5	.8										1.3	4.3
VARBL	.9											.9	1.3
CALM												38.6	
	25.3	21.6	11.7	2.5	.3							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 690

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) SEP (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	.8	.4	.0								2.2	4.5
NNE	1.2	1.0	.5	.0								2.8	4.5
NE	1.9	3.0	1.5	.2								6.6	5.0
ENE	1.9	2.6	1.2	.1								5.9	4.9
E	1.1	1.1	1.0	.2								3.3	5.3
ESE	.7	.4	.3	.1								1.4	4.7
SE	.8	.3	.2	.0								1.3	3.9
SSE	1.0	.4	.3	.0								1.7	3.8
S	2.1	1.0	.6	.1								3.8	4.0
SSW	1.8	1.9	1.6	.7		.0						6.0	6.0
SW	1.5	3.7	4.6	1.9	.1							11.8	7.3
WSW	1.7	3.8	5.7	3.5	.4	.0		.0				15.2	8.3
W	1.8	2.7	3.1	1.7	.1							9.4	7.2
WNW	.5	.6	.3	.0								1.4	4.9
NW	.3	.3	.1	.0								.7	4.5
NNW	.6	.6	.3	.0								1.5	4.6
VARBL	.8	.3	.9	.1								2.0	5.6
CALM												23.0	
	20.5	29.6	22.7	8.7	.6	.0		.0				100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 6268

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,81 (YEARS) OCT (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	1.8	1.3	.5									3.6	3.8
NNE	1.3	1.8	.5									3.6	4.1
NE	2.6	4.1	2.6	.8								10.1	5.6
ENE	2.3	4.4	1.3									8.0	4.5
E	1.8	.5										2.3	2.8
ESE	.5											.5	2.0
SE	.3											.3	2.0
SSE	.5	.5										1.0	3.0
S	1.6	1.6	.5									3.6	3.8
SSW	1.6	.8	1.0	.5	1.0							4.9	8.7
SW	.8	3.4	3.9	3.6	.5							12.2	9.0
WSW	1.6	3.1	2.6	2.1	.5	.3						10.1	8.5
W	2.1	.5	.8	.3	.3							3.9	5.5
WNW	.5	.3										.8	3.0
NW		.5										.5	4.0
NNW	.8	.8										1.6	3.3
VARBL													
CALM												32.9	
	19.9	23.6	13.7	7.3	2.3	.3						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 386

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7140	SEMBACH AB DL	64-67,76-81	OCT
STATION	STATION NAME	YEARS	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	.8	.6	.4									1.8	4.9
NNE	1.4	1.4	.2	.2								3.2	4.6
NE	1.4	4.6	2.0	.4								8.4	5.5
ENE	3.6	3.8	.6	.2								8.2	4.2
E	1.6	1.4	.4									3.4	3.7
ESE	.4											.4	1.5
SE	.2											.2	1.0
SSE	.4	.4			.2							1.0	6.2
S	1.8	.4	.6									2.8	3.4
SSW	1.0	2.0	.6	.6		.2						4.4	6.5
SW	2.0	4.2	2.4	5.8	.2	.6	.2					15.3	9.5
WSW	1.0	1.6	3.2	1.6	.6							8.0	8.8
W	.6	.6	.8	.6								2.6	6.9
WNW	.2											.2	2.0
NW	.2	.2										.4	4.5
NNW	.8	.6	.2									1.6	3.8
VARBL													
CALM												38.2	
	17.3	21.7	11.4	9.4	1.0	.8	.2					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 502

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-67,76-81	OCT
STATION	STATION NAME	YEARS	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	1.1	.5									2.7	4.5
NNE	2.0	.8	.5									3.3	3.8
NE	2.0	4.1	2.1	.3								8.5	5.3
ENE	1.9	4.0	.9	.3								7.0	4.9
E	1.6	1.9	.5	.3								4.2	4.9
ESE	.5	.1										.7	2.4
SE	.4	.3										.7	3.0
SSE	.9	.3										1.2	2.6
S	2.3	.1	.4									2.8	2.9
SSW	1.3	1.9	1.5	.7	.1							5.4	6.4
SW	1.3	3.3	3.9	3.2	.7	.1	.1					12.6	9.0
WSW	2.1	2.0	2.3	1.3	.7	.3						8.6	8.3
W	.7	1.2	1.2	.1								3.2	6.1
WNW	.5											.5	2.3
NW	.5	.4										.9	3.1
NNW	.7	.7	.3									1.6	4.3
VARBL			.1									.1	9.0
CALM												35.9	
	19.8	22.0	14.2	6.1	1.5	.4	.1					100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 753

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

07120	SEMBACH AB DL	64-67,76-81	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	2.0	.4	.6									3.0	3.6
NNE	1.3	1.2	.9	.1								3.5	5.0
NE	2.2	3.3	2.7									8.2	5.3
ENE	2.1	4.1	2.0	.4								8.6	5.4
E	1.1	2.8	1.0	.1								5.0	5.2
ESE	.8	.4	.3									1.6	4.4
SE	.6	.6	.1									1.2	3.3
SSE	1.2	.2	.1	.1								1.7	3.9
S	2.8	.6	.6	.1								4.0	3.9
SSW	1.4	2.2	2.4	.9	.1							7.1	7.0
SW	1.9	4.4	6.0	3.1	1.6							16.9	8.8
WSW	2.1	2.7	3.3	3.7	.3	.1						12.2	8.4
W	1.4	.8	1.9	.6	.2	.1						5.0	7.6
WNW	.1	.3		.3								.8	7.9
NW	.6	.3										.9	3.0
NNW	.4	.2	.2	.2								1.1	5.6
VARBL			.3	.3								.7	10.2
CALM												18.6	
	22.0	29.6	22.9	10.0	2.2	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

47120	SEMBACH AB DL	64-67,76-81	OCT
STATION	STATION NAME	YEARS	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	1.5	1.2	.3									3.1	3.9
NNE	1.8	1.7	.8									4.2	4.3
NE	1.0	3.9	2.0	.4								7.2	5.9
ENE	1.3	4.3	3.5	.4								9.6	6.2
E	1.3	2.0	2.4	.3								6.1	6.1
ESE	.6	1.3	.1									2.0	4.4
SE	.1	.2	.1									.4	5.5
SSE	.4	.7	.2									1.3	4.8
S	1.4	1.3	.3	.6								3.6	5.2
SSW	1.2	1.8	4.1	1.8	.2	.1						9.2	6.3
SW	2.3	2.9	5.1	3.0	.7	.1						14.0	8.4
WSW	1.4	4.9	5.5	4.5	.4	.1						16.9	8.7
W	1.2	3.3	1.9	2.0	.1							8.5	7.6
WNW	.7	.7		.4								1.8	5.5
NW	.6	.2	.4									1.2	5.1
NNW	.8	.3	.3	.1								1.5	5.1
VARBL			.7	.2								.9	8.8
CALM												8.5	
	17.7	30.5	27.8	13.8	1.4	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) OCT (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	1.1	1.2	.2									2.5	3.7
NNE	1.9	1.4	.1									3.4	3.7
NE	1.8	6.1	2.3	.1								10.3	5.4
ENE	2.4	5.7	3.1	.3								11.6	5.5
E	2.0	3.1	.7	.3								6.1	4.9
ESE	.3	.8	.7									1.8	5.7
SE	.4	.7	.1									1.2	4.3
SSE	.7	1.0	.1									1.8	4.1
S	1.3	1.4	1.1	.2								4.1	5.3
SSW	1.7	2.0	2.0	1.0	.1							6.7	6.7
SW	1.4	4.5	4.7	3.6	.7							15.0	8.4
WSW	1.8	4.1	4.3	2.6								12.8	7.5
W	1.7	2.8	2.5	1.3	.2							8.5	7.0
WNW	1.0	.4	.2									1.7	3.6
NW	.3	.6	1.1									2.0	6.3
NNW	.7	.6	.2									1.4	4.5
VARBL			.7		.1							.8	10.3
CALM												8.4	
	20.4	36.3	29.2	9.6	1.1							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7123 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) OCT (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	.3	.1									1.1	3.6
NNE	1.2	1.3	.4									2.9	4.3
NE	3.2	4.0	1.2									8.3	4.3
ENE	3.7	4.2	1.2	.1								9.2	4.4
E	2.2	2.9	.5	.3								5.9	4.3
ESE	.9	.3										1.2	2.8
SE	1.2											1.2	2.2
SSE	1.6	.4	.1									2.1	2.9
S	2.4	1.2	.5									4.1	3.8
SSW	2.5	2.0	1.6	.8	.3							7.1	6.1
SW	2.4	4.2	2.9	2.6	.1							12.3	7.1
WSW	2.9	2.5	2.5	1.4								9.4	6.4
W	1.8	1.4	.8	.4	.1							4.6	5.6
WNW	.5	.8										1.3	3.9
NW	.8	.3	.4									1.4	3.9
NNW	.7	.7										1.3	3.4
VARBL				.1								.1	12.0
CALM												26.5	
	28.6	26.9	12.3	5.8	.5							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 759

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	64-67,76-81	OCT
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	.5	.5	.3									1.3	4.4
NNE	1.7	.6	.6									3.0	4.0
NE	3.6	3.1	1.7	.2								8.6	4.7
ENE	2.5	3.0	1.1	.5								7.1	4.8
E	2.5	1.9	.6	.2								5.2	4.2
ESE	.5	.3										.8	3.4
SE	.5	.2										.6	2.3
SSE	1.1	.2										1.3	2.8
S	2.2	.8	.9									3.9	4.6
SSW	.9	2.0	2.0	.6								5.7	6.9
SW	2.2	2.7	4.4	2.2	.5							11.9	7.7
WSW	1.4	2.7	1.9	.8	.3							7.1	6.8
W	1.9	1.9	1.4	.3								5.5	5.0
WNW	.5	.3	.2									.9	4.2
NW	.5	.2	.2									.8	3.4
NNW	.6	.2	.3									1.1	4.1
VARBL			.3	.2								.5	10.3
CALM												34.9	
	23.1	20.4	16.0	4.9	.8							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) OCT (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	1.2	.8	.4									2.4	3.9
NNE	1.6	1.3	.5	.0								3.4	4.2
NE	2.2	4.2	2.1	.2								8.6	5.2
ENE	2.4	4.3	1.9	.3								8.9	5.2
E	1.7	2.2	.9	.2								5.1	4.8
ESE	.6	.5	.2									1.2	4.1
SE	.5	.3	.1									.8	3.3
SSE	.9	.5	.1	.0	.0							1.5	3.7
S	2.0	.9	.6	.1								3.7	4.3
SSW	1.5	1.9	2.1	.9	.2	.0						6.6	7.1
SW	1.8	3.7	4.3	3.3	.7	.1	.0					14.0	8.5
WSW	1.8	3.1	3.4	2.4	.3	.1						11.1	8.0
W	1.4	1.7	1.5	.8	.1	.0						5.6	6.7
WNW	.5	.4	.1	.1								1.1	4.5
NW	.5	.3	.3									1.1	4.6
NNW	.7	.5	.2	.1								1.4	4.4
VARBL			.3	.1	.0							.5	9.8
CALM												23.2	
	21.2	26.5	18.9	8.7	1.3	.2	.0					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 5752

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,77,79 (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	.8	1.6	.5									3.0	4.7
NNE	1.9	1.1										3.0	3.0
NE	3.0	5.4	4.0	.3								12.6	5.6
ENE	3.5	3.5	2.2	.3								9.4	4.8
E	.3	1.9										2.2	4.0
ESE	.5	1.3	.3									2.2	4.5
SE	.8											.8	2.3
SSE		.3										.3	4.0
S	2.7	.8	1.1									4.6	3.9
SSW	2.4	1.3	1.9	.8								6.5	6.1
SW	1.9	2.2	2.2	5.6	1.9	.5						14.2	10.5
WSW	.8	1.3	5.4	3.5	1.3	.5						12.9	10.6
W	.3	1.3	1.1	1.9	.8							5.4	10.6
WNW	1.1											1.1	2.0
NW	.8											.8	2.7
NNW	.8	.8	.3	.3	.5							2.7	8.4
VARBL													
CALM												18.5	
	21.5	22.8	18.8	12.6	4.6	1.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 372

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-67,76-81	NOV
STATION	STATION NAME	YEARS	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	.8	.8										1.7	3.4
NNE	1.5	1.3	.4	.4								3.6	4.9
NE	1.9	3.3	2.3	.4								7.9	5.6
ENE	1.7	4.2	2.3	.4								8.6	5.8
E	1.5	1.0	.8									3.3	4.4
ESE	.2	.2	.4	.2								1.0	7.2
SE	.6	.4										1.0	3.4
SSE	.8	.2	.4									1.5	4.6
S	.6	.4	.2									1.3	3.8
SSW	1.7	2.3	1.0	1.3	.4							6.7	7.0
SW	2.3	3.8	5.4	6.3	1.3	.4						19.5	9.5
WSW	1.5	2.3	4.8	2.1	1.7							12.3	9.2
W	1.0	.8	2.3	1.0	.6							5.9	6.6
WNW	.2		.4	.2								.8	7.8
NW	.4	.2										.6	3.3
NNW	.2	.6	.4		.4							1.7	9.0
VARBL													
CALM												22.6	
	16.9	22.0	21.3	12.3	4.4	.4						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (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	1.0	.1									2.3	3.4
NNE	1.1	1.3	.8	.1								3.4	5.4
NE	2.0	3.5	2.3	1.1								8.9	6.0
ENE	1.4	2.1	1.4									5.0	5.1
E	1.1	1.0	.7									2.8	4.8
ESE	.7	.6										1.3	3.0
SE	.7											.7	2.0
SSE	.6	.4	.3									1.3	4.4
S	1.8	.4	.4	.1								2.8	3.6
SSW	1.4	1.6	1.8	1.3	.1							6.2	7.5
SW	1.8	3.5	5.7	5.1	1.3	.4						17.8	9.5
WSW	1.8	4.4	4.7	3.1	1.1							15.2	8.4
W	1.3	1.3	2.0	1.4	.6							6.5	8.6
WNW	.3	.3	.4	.1								1.1	6.4
NW	.6	.3	.1									1.0	3.9
NNW	.4	.1	.4									1.0	5.0
VARBL			.3									.3	8.0
CALM												22.4	
	18.3	21.3	21.5	12.5	3.1	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 706

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	64-67,76-81	NOV
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	1.4	.6	.7	.1								2.8	4.8
NNE	.8	.9	.5	.5								2.7	6.0
NE	2.0	2.2	2.3	.9								7.5	6.3
ENE	1.1	2.6	2.7	.2								6.5	6.1
E	1.3	2.1	.8	.1								4.3	4.8
ESE	.8	.5										1.3	3.0
SE	.4		.1									.5	3.5
SSE	.7	.1	.5									1.3	4.7
S	1.8	.7	.8	.2								3.5	4.9
SSW	1.8	1.3	2.0	1.5	.2							6.8	7.6
SW	1.6	3.5	7.6	4.2	1.5	.7						19.2	9.8
WSW	1.5	4.0	6.0	5.4	1.2	.1						18.1	9.5
W	.8	1.8	2.6	.8	.4	.1						6.4	7.9
WNW	.4	.6										.9	3.9
NW	.7	.2	.2									1.2	4.0
NNW	.2	.7										.9	4.5
VARBL			.2	.4								.6	10.2
CALM												15.5	
	17.2	21.7	27.0	14.4	3.3	.9						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 856

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120	SEMBACH AB DL	64-67,76-81	NOV
STATION	STATION NAME	YEARS	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	1.3	1.6	.5	.1								3.5	4.6
NNE	.9	1.3	1.2	.2								3.6	6.0
NE	1.7	2.4	2.4	1.2								7.8	6.6
ENE	1.0	2.7	2.7	.3								6.7	6.2
E	.9	1.3	1.0	.5								3.7	6.0
ESE	.3	.7	.5									1.5	5.2
SE	.3	.2	.2									.8	4.9
SSE	.3	.3	.5									1.2	5.4
S	.5	.6	.7	.2								2.0	6.0
SSW	.8	2.0	1.4	1.0	.3	.1						5.7	8.2
SW	1.2	2.9	7.3	6.3	1.4	.9	.1					20.1	10.7
WSW	1.5	3.7	7.2	7.1	1.6							21.2	9.8
W	1.3	2.7	2.7	1.7	.3							8.7	8.0
WNW	.6	.2	.2									1.0	4.2
NW	.2	.3	.2									.8	5.0
NNW	.5	1.4		.1								2.0	4.6
VARBL		.1	.8	.6								1.5	10.4
CALM												8.1	
	13.5	24.5	29.5	19.9	3.7	1.0	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 860

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) NOV (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	1.8	1.4	.2		.1							3.5	4.3
NNE	1.4	1.8	.7	.4		.1						4.3	5.4
NE	2.6	4.6	2.6	.7								10.4	5.6
ENE	2.3	2.6	1.3	.4								6.5	5.1
E	.8	2.8	.9									4.6	4.8
ESE	.5	.5	.7									1.6	5.7
SE	.1											.1	2.0
SSE	.4	.4		.1								.8	4.9
S	1.5	.6	1.8	.2								4.1	5.9
SSW	1.2	.7	2.1	1.2								5.1	7.7
SW	1.1	4.7	6.7	3.6	1.4	.9						18.3	9.7
WSW	2.2	3.5	6.7	4.6	1.3	.1						18.3	9.2
W	1.6	2.1	3.3	1.5	.9							9.5	8.1
WNW	.5	.8	.2	.1								1.6	5.1
NW	.1	.8										.9	4.3
NNW	.5	.8	.1									1.4	4.2
VARBL			.2	.7								.9	11.6
CALM												7.8	
	18.5	27.9	27.5	13.4	3.7	1.2						100.2	6.8

TOTAL NUMBER OF OBSERVATIONS 856

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1800-2400 (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									2.1	4.9
NNE	1.7	.9	1.0	.6								4.1	5.6
NE	2.4	3.3	1.4	1.0								8.1	5.7
ENE	2.3	3.4	1.7									7.4	4.7
E	2.0	1.3	.4									3.7	3.7
ESE	.6	.9	.3									1.7	4.4
SE	.4	.3	.4									1.1	5.5
SSE	.4	.9	.3									1.6	4.1
S	1.4	.6	1.9	.3								4.1	5.9
SSW	1.9	1.6	1.7	.3	.6							6.0	6.7
SW	1.4	3.7	3.7	5.7	1.4	.6						16.5	10.2
WSW	2.1	3.0	5.3	4.6	1.1	.1						16.3	9.2
W	.9	1.9	1.9	1.3		.3						6.1	8.2
WNW	.3	.4										.7	3.4
NW	.1	.1										.3	3.5
NNW	.9	.4	.4									1.7	4.1
VARBL				.1								.1	15.0
CALM												18.1	
	19.4	23.5	21.0	13.8	3.1	1.0						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 701

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

727120	SEMBACH AB DL	64-67,76-81	NOV
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	1.4	1.0	.9									3.2	4.3
NNE	1.4	1.9	.3	.7								4.3	5.2
NE	2.6	3.1	.9	.7	.2							7.3	5.4
ENE	1.9	4.1	1.2	.3								7.5	5.2
E	1.2	.5	.5									2.2	4.5
ESE	.2	.7	.7									1.5	6.3
SE	.5	.2										.7	3.5
SSE	.5	.3	.2									1.0	3.8
S	1.0	1.0	.7	.2								2.9	5.3
SSW	1.5	1.7	1.0	1.4	.3							6.0	7.3
SW	1.4	2.9	4.6	3.6	2.0	1.0						15.5	10.5
WSW	2.4	4.3	5.3	4.3	.9	.2						17.2	8.5
W	1.5	.9	2.4	1.4	1.0	.3						7.5	9.9
WNW	.9											.9	2.0
NW	.3	.3										.7	3.0
NNW	.5	.3										.9	3.4
VARBL													
CALM												20.8	
	19.1	23.2	18.6	12.9	4.4	1.5						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (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	1.2	1.1	.4	.0	.0							2.8	4.4
NNE	1.3	1.3	.7	.4		.0						3.6	5.4
NE	2.2	3.3	2.2	.8	.0							8.6	5.9
ENE	1.8	3.0	1.9	.2								7.0	5.4
E	1.2	1.6	.7	.1								3.5	4.8
ESE	.5	.6	.4	.0								1.5	4.8
SE	.4	.1	.1									.7	3.8
SSE	.5	.4	.3	.0								1.1	4.6
S	1.4	.6	1.0	.2								3.2	5.1
SSW	1.5	1.5	1.7	1.1	.3	.0						6.1	7.4
SW	1.5	3.5	5.8	5.0	1.5	.7	.0					18.0	10.0
WSW	1.8	3.5	5.8	4.6	1.3	.1						17.0	9.2
W	1.1	1.7	2.4	1.4	.6	.1						7.2	8.5
WNW	.5	.4	.2	.1								1.1	4.5
NW	.4	.3	.1									.8	3.9
NNW	.5	.7	.2	.0	.1							1.5	5.3
VARBL		.0	.2	.3								.5	10.7
CALM												15.8	
	17.7	23.7	24.0	14.2	3.7	1.0	.0					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 5416

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,77 (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	.3										1.1	3.0
NNE	.5											.5	3.0
NE	1.3	1.9	1.9	.8								5.9	6.3
ENE	1.1	2.4	.5									4.0	4.5
E	.8	.3	.3									1.3	4.0
ESE	.3											.3	2.0
SE	.5											.5	2.5
SSE	.3											.3	3.0
S	1.3	.5	.3									2.1	3.1
SSW	2.1	2.7	1.6	.5	.3							7.2	6.2
SW	1.9	1.9	5.6	11.8	1.6	1.6						24.4	11.8
WSW	1.6	2.7	4.0	7.2	1.6	.8						18.0	11.0
W	.8	4.8	4.3	2.7								12.6	8.0
WNW	.5	.5										1.1	3.5
NW	.3	1.1	.5									1.9	4.9
NNW	1.1	1.1		.3								2.4	4.3
VARBL													
CALM												16.4	
	15.3	20.1	19.0	23.3	3.5	2.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 373

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) DEC (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	1.2	.6									2.4	5.6
NNE	.6	.8	.6	.2								2.2	6.0
NE	2.4	2.2	1.2	1.0								6.9	5.6
ENE	1.0	1.6	1.6									4.3	5.2
E	.4	.4	.2									1.0	4.8
ESE	.4											.4	1.5
SE	.6	.2										.8	3.3
SSE	.6	.4										1.0	3.6
S	1.8	.8	.4									3.0	3.8
SSW	.6	.8	1.4	1.0	.4							4.3	8.8
SW	1.2	2.0	6.5	13.0	2.0	.6						25.4	11.6
WSW	.8	2.6	5.1	5.1	1.0	.6						15.2	10.6
W	1.4	2.0	4.5	1.2	.6	.2						10.0	8.3
WNW	.6	.6	.2									1.4	4.6
NW	.4	.2	.2									.8	3.8
NNW	1.2	1.2	.2									2.6	3.5
VARBL													
CALM												18.1	
	14.8	17.3	22.8	21.5	4.1	1.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 492

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-67,76-81	DEC
STATION	STATION NAME	YEARS	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	.9	.5	.9									2.4	5.1
NNE	1.6	.5	.9	.3								3.4	5.3
NE	1.9	2.8	2.0	.7								7.4	6.1
ENE	2.4	2.3	1.1									5.8	4.3
E	1.4	.4	.4									2.2	3.4
ESE	.4											.4	2.3
SE	.5											.5	2.3
SSE	1.1	.5										1.6	2.8
S	1.1	.7	.7									2.4	4.7
SSW	1.8	2.4	.9	1.5								6.6	6.4
SW	.7	2.3	5.4	8.4	3.1	.9						20.8	12.1
WSW	1.5	3.0	6.0	7.0	2.7							20.2	10.7
W	.3	1.9	1.8	1.1		.1						5.1	8.6
WNW	.1	.5	.3									.9	5.3
NW		.1										.1	6.0
NNW	.4	.3	.4									1.1	4.6
VARBL			.1									.1	8.0
CALM												18.7	
	16.1	18.4	21.0	18.9	5.8	1.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	64-67,76-81	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	.4	.8	.4	.1								1.8	5.3
NNE	1.1	.7	.3	.2								2.4	5.0
NE	1.7	3.1	2.4	.7								7.8	5.8
ENE	1.6	2.7	.9	.6								5.7	5.5
E	1.2	.8	.7									2.7	4.5
ESE	.6	.4	.2									1.2	4.3
SE	.6	.2	.1									.9	3.3
SSE	.9	.2	.1									1.2	3.0
S	1.3	.8	.4	.2								2.8	4.7
SSW	.9	1.7	1.7	2.1								6.4	8.0
SW	1.5	2.8	5.3	7.5	3.1	.6						20.7	11.5
WSW	1.2	3.0	6.1	8.0	2.6	.6						21.4	11.2
W	1.0	1.5	1.5	2.4	.1		.2					6.6	9.3
WNW	.3	.1	.3									.8	5.6
NW	.1	.2										.3	3.7
NNW	.8	.3	.2									1.3	4.2
VARBL			.2									.2	10.0
CALM												15.6	
	15.2	19.4	20.9	21.7	5.8	1.1	.2					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-67,76-81	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

1200-1400
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	1.1	.8	.7		.1							2.7	5.3
NNE	1.2	1.2	.4	.1								3.0	4.9
NE	1.8	1.9	1.6	.6								5.8	5.8
ENE	1.2	2.1	1.2	1.0								5.6	6.5
E	.9	1.3	1.1									3.4	5.5
ESE	.4	.4	.2									1.1	4.5
SE	.6	.4	.1									1.1	4.2
SSE	.2	1.0										1.2	4.0
S	.8	.6	1.0									2.3	5.5
SSW	.6	1.5	1.7	2.5	.6							6.7	9.5
SW	1.0	2.6	4.7	8.1	3.0	1.1						20.5	12.0
WSW	.7	2.5	6.0	8.3	3.8	.1	.1					21.5	11.7
W	1.5	2.1	2.1	3.2	.2	.1	.1					9.4	9.3
WNW	.1	.3	.6	.3								1.3	8.2
NW	.6	.4	.2									1.2	4.3
NNW	1.5	1.2	.1									2.8	3.6
VARBL			.6	.1								.7	8.7
CALM												9.6	
	14.1	20.5	22.4	28.2	7.7	1.3	.2					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120	SEMBACH AB DL	64-67,76-81	DEC
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	2.2	1.5	.2	.3								4.3	4.2
NNE	2.5	1.8	1.0	.4								5.7	5.0
NE	1.9	2.4	1.1	.7								6.0	5.4
ENE	1.0	2.8	1.5	.1								5.4	5.5
E	1.5	2.9	.8									5.2	4.6
ESE	.6	.8	.2									1.6	4.1
SE		.1										.1	6.0
SSE	1.0	.7										1.7	3.1
S	1.1	.7	.6									2.4	4.7
SSW	.4	2.0	1.6	1.3								5.4	7.7
SW	1.3	3.6	5.6	7.1	3.9	1.0						22.5	11.6
WSW	.9	2.2	5.3	5.7	1.8							15.9	10.6
W	1.2	2.1	2.8	2.7	.9	.2						10.0	9.5
WNW	.3	.1	.3	.2								1.0	6.4
NW	.8	.2	.2									1.2	3.6
NNW	1.2	.9	.3	.1								2.6	4.4
VARBL			.1	.4								.6	12.5
CALM												8.6	
	18.0	24.7	21.6	19.1	6.6	1.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-67,76-81	DEC
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	.8	1.1	.4									2.3	4.3
NNE	1.5	1.6	.8	.1								4.1	4.6
NE	2.2	2.4	2.0	.1								6.8	5.2
ENE	1.9	2.4	1.1									5.4	4.8
E	1.6	1.1	.4									3.1	3.7
ESE	.1	.1	.1	.1								.5	7.0
SE	.5											.5	2.5
SSE	1.1	.3										1.4	2.9
S	1.2	.5	.4	.3								2.4	4.6
SSW	1.2	1.6	1.5	1.2	.3	.1						6.0	8.0
SW	1.6	3.5	5.4	6.7	3.3	.7	.3					21.5	11.4
WSW	1.6	3.0	4.2	5.8	2.4	.1						17.3	10.7
W	1.9	1.6	1.9	1.5	.3	.1						7.3	7.7
WNW	.7	.1	.4	.1	.1							1.5	6.7
NW		.4	.1									.5	5.5
NNW	.1	.7	1.1									1.9	5.9
VARBL			.1		.1							.3	12.5
CALM												17.1	
	18.2	20.7	20.1	16.0	6.5	1.1	.3					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7120	SEMBACH AB DL	64-67,76-81	DEC
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	.7	.8	.8	.3								2.6	6.2
NNE	1.6	1.8	.7	.2								4.3	4.7
NE	.8	2.3	1.0	.7								4.8	6.2
ENE	2.0	1.6	1.6	.2								5.4	5.0
E	.8	1.0	.3									2.1	4.2
ESE	1.1	.2		.2								1.5	3.4
SE	.2											.2	1.0
SSE	.7											.7	2.3
S	2.6	.7	.2									3.4	2.9
SSW	1.1	1.5	1.5	.8	.3							5.3	7.1
SW	1.1	3.6	5.1	9.0	3.1	1.1						23.2	11.7
WSW	.8	3.3	5.1	5.6	1.8							16.6	10.3
W	1.1	1.6	2.1	3.0	.7							8.5	9.5
WNW	.2	.3	.5	.3								1.3	8.3
NW	.2	.5	.2									.8	4.8
NNW	.5	.3	.5	.2								1.5	6.2
VARBL													
CALM												17.9	
	15.6	19.5	19.5	20.4	5.9	1.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 609

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1 7120	SEMBACH AB DL	64-67,76-81	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

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	1.0	.9	.5	.1	.0							2.6	4.9
NNE	1.4	1.1	.6	.2								3.4	4.9
NE	1.8	2.4	1.7	.6								6.5	5.8
ENE	1.5	2.3	1.2	.3								5.3	5.3
E	1.1	1.2	.6									2.9	4.5
ESE	.5	.3	.1	.0								1.0	4.1
SE	.4	.1	.0									.6	3.3
SSE	.8	.4	.0									1.2	3.1
S	1.4	.7	.5	.1								2.6	4.4
SSW	1.0	1.8	1.5	1.5	.2	.0						6.0	7.8
SW	1.3	2.9	5.4	8.5	3.1	.9	.0					22.0	11.7
WSW	1.1	2.8	5.3	6.7	2.4	.2	.0					18.6	10.9
W	1.2	2.0	2.4	2.3	.4	.1	.1					8.4	8.9
WNW	.3	.3	.4	.1	.0							1.2	6.4
NW	.3	.4	.2									.8	4.3
NNW	.9	.7	.4	.1								2.0	4.4
VARBL			.2	.1	.0							.3	10.5
CALM												14.7	
	16.0	20.3	21.0	20.5	6.0	1.3	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 5628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107120	SEMBACH AB DL	64-68,76-81	ALL
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	1.2	1.5	.8	.1	.0							3.6	4.9
NNE	1.3	1.5	.9	.2	.0	.0						3.8	5.2
NE	1.8	3.3	2.1	.6	.0							7.7	5.8
ENE	1.6	2.7	1.8	.4	.0							6.4	5.6
E	1.2	1.4	.9	.2	.0							3.7	5.3
ESE	.5	.4	.3	.1								1.3	5.1
SE	.5	.3	.1	.0								.9	4.1
SSE	.7	.4	.1	.0	.0							1.2	3.8
S	1.4	.8	.5	.1	.0							2.7	4.4
SSW	1.2	1.4	1.4	.7	.1	.0						4.8	6.8
SW	1.3	2.9	4.0	3.2	.7	.2	.0	.0				12.3	9.2
WSW	1.6	3.3	5.0	3.6	.8	.1	.0	.0				14.4	8.9
W	1.6	2.8	3.5	1.9	.2	.0	.0					10.0	7.7
WNW	.7	.8	.5	.2	.0							2.2	5.5
NW	.5	.7	.4	.1	.0							1.7	5.2
NNW	.9	1.1	.6	.1	.0							2.8	5.2
VARBL	.5	.2	.7	.2	.0	.0						1.6	6.5
CALM												19.0	
	18.2	25.4	23.5	11.6	1.9	.4	.0	.0				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 70861

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

107123	SEMBACH AB DL	64-68,76-81	ALL
STATION	STATION NAME	YEARS	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	1.2	1.2	.7	.1	.0							3.1	4.8
NNE	1.4	1.4	.8	.1	.0							3.7	4.9
NE	2.3	3.6	2.1	.6								8.7	5.6
ENE	1.9	2.4	1.4	.2	.0							5.9	5.2
E	1.2	1.2	.7	.1								3.2	4.9
ESE	.4	.3	.2	.0								.9	4.6
SE	.4	.1	.0									.6	3.4
SSE	.4	.2	.0									.7	3.3
S	1.2	.5	.2	.0								1.9	3.7
SSW	1.3	1.6	1.2	.7	.1	.0						4.9	6.5
SW	1.5	3.8	5.6	5.5	1.4	.5	.0					18.2	9.9
WSW	1.7	3.6	6.3	4.8	1.1	.1	.0	.0				17.7	9.3
W	1.4	2.3	2.4	1.1	.2	.0						7.5	7.3
WNW	.6	.5	.2	.0								1.4	4.3
NW	.4	.5	.2	.0								1.1	4.6
NNW	.5	.8	.4	.1	.0							1.8	5.2
VARBL	.3	.0	.2	.1	.0							.6	5.5
CALM												18.1	
	18.1	24.1	22.7	13.5	2.8	.6	.0	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 15161

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.

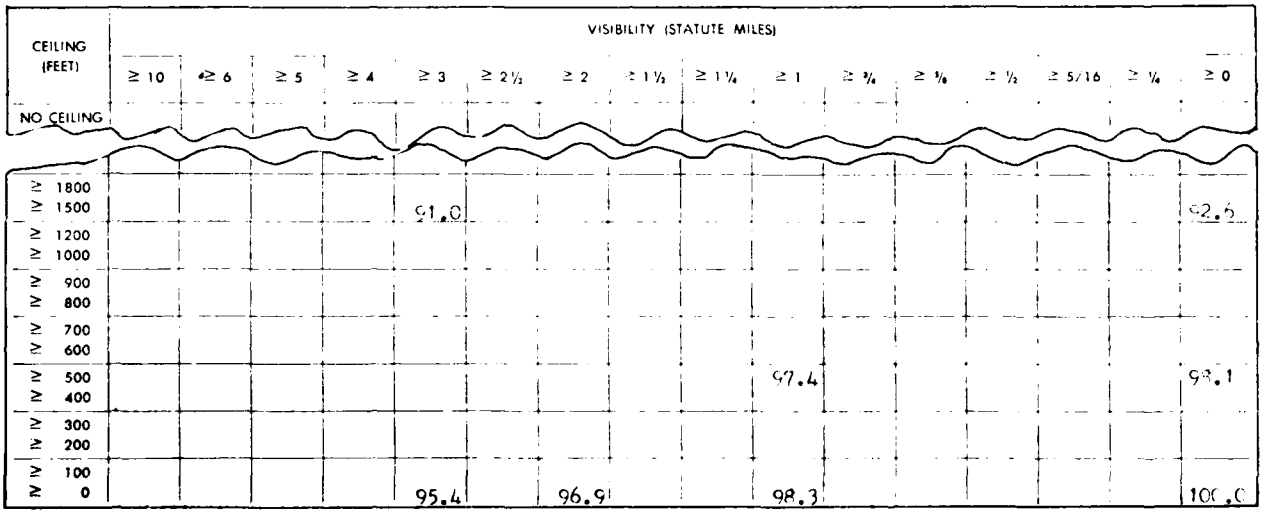
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U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified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

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 1968.

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%.

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.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

120	SEMBACH AB DL	65-68,80-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.2	14.2	16.1	19.0	21.4	22.5	24.9	25.2	25.2	25.2	25.2	25.5	25.7	26.3	26.3	26.3
≥ 20000	7.2	14.2	16.6	19.6	22.0	23.1	25.5	25.7	25.7	25.7	25.7	26.0	26.3	26.8	26.8	26.8
≥ 18000	7.2	14.2	16.6	19.6	22.0	23.1	25.5	25.7	25.7	25.7	25.7	26.0	26.3	26.8	26.8	26.8
≥ 16000	7.2	14.2	16.6	19.6	22.0	23.1	25.5	25.7	25.7	25.7	25.7	26.0	26.3	26.8	26.8	26.8
≥ 14000	7.2	14.2	16.6	19.6	22.0	23.1	25.5	25.7	25.7	25.7	25.7	26.0	26.3	26.8	26.8	26.8
≥ 12000	7.2	14.7	17.2	20.1	22.5	23.6	26.0	26.3	26.3	26.3	26.3	26.5	26.8	27.3	27.3	27.3
≥ 10000	7.2	14.7	17.4	20.4	22.8	23.9	26.3	26.5	26.5	26.5	26.5	26.8	27.1	27.6	27.6	27.6
≥ 9000	7.2	15.8	18.8	21.7	24.4	25.5	27.9	28.2	28.2	28.2	28.2	28.4	28.7	29.2	29.2	29.2
≥ 8000	7.8	17.4	20.9	23.9	27.6	29.5	31.9	32.2	32.2	32.2	32.2	32.4	32.7	33.2	33.2	33.2
≥ 7000	7.8	18.0	21.4	24.7	28.7	30.6	33.0	33.5	33.5	33.5	33.5	33.8	34.2	34.6	34.6	34.6
≥ 6000	8.1	19.6	23.3	26.8	30.8	33.0	35.7	36.2	36.2	36.2	36.2	36.5	36.7	37.3	37.3	37.3
≥ 5000	8.6	21.4	25.2	29.5	33.5	35.7	38.6	39.1	39.1	39.1	39.1	39.4	39.7	40.2	40.2	40.2
≥ 4500	8.6	22.5	26.3	30.8	34.9	37.0	39.9	40.5	40.5	40.5	40.5	40.8	41.0	41.6	41.6	41.6
≥ 4000	8.6	23.1	26.8	31.4	35.7	37.8	40.8	41.3	41.6	41.6	41.6	41.8	42.1	42.6	42.6	42.6
≥ 3500	9.1	24.4	29.0	34.3	38.9	41.0	44.0	44.5	44.8	44.8	44.8	45.0	45.3	45.8	45.8	45.8
≥ 3000	9.1	25.7	30.3	35.7	40.2	42.4	45.3	45.8	46.1	46.1	46.1	46.4	46.9	47.7	47.7	47.7
≥ 2500	9.4	26.8	31.9	37.3	42.4	44.8	47.7	48.5	48.8	48.8	48.8	49.1	49.6	50.4	50.4	50.4
≥ 2000	11.3	29.2	34.9	41.0	46.1	48.5	52.3	53.4	53.6	53.6	53.6	53.9	54.4	55.2	55.2	55.2
≥ 1800	11.5	30.6	36.5	42.6	47.7	50.1	54.4	55.5	55.8	55.8	55.8	56.0	56.6	57.4	57.4	57.4
≥ 1500	11.8	33.2	39.7	46.1	51.2	53.9	58.4	59.8	60.1	60.1	60.1	60.3	60.9	61.7	61.7	61.7
≥ 1200	12.6	34.9	41.8	49.9	55.5	58.2	64.3	65.7	66.2	66.2	66.8	67.3	67.8	68.6	68.6	68.6
≥ 1000	12.6	35.9	42.9	52.0	58.2	61.1	68.1	69.4	70.0	70.0	70.5	71.0	71.6	72.4	72.4	72.4
≥ 900	12.6	37.0	44.2	54.7	62.5	65.4	72.4	73.7	74.3	74.3	74.8	75.3	75.9	76.7	76.7	76.7
≥ 800	12.6	37.3	45.3	57.4	66.2	69.2	76.4	77.7	78.3	78.6	79.1	79.6	80.2	81.0	81.0	81.0
≥ 700	12.6	38.3	47.2	60.6	70.0	73.2	81.8	83.1	83.6	83.9	84.5	85.0	85.5	86.3	86.3	86.3
≥ 600	12.6	38.3	47.2	61.1	70.8	74.5	84.2	85.8	86.3	86.6	87.1	87.7	88.2	89.0	89.0	89.0
≥ 500	12.6	38.3	47.2	61.4	72.1	75.9	85.8	87.7	88.2	88.5	89.0	89.5	90.1	90.9	90.9	90.9
≥ 400	12.6	38.3	47.5	61.7	72.9	76.7	87.1	89.3	89.8	90.1	90.6	91.2	91.7	92.5	92.5	92.5
≥ 300	12.6	38.3	47.5	61.7	72.9	76.7	87.4	90.3	91.4	92.5	93.0	93.8	94.4	95.2	95.2	95.2
≥ 200	12.6	38.3	47.5	61.7	72.9	76.7	87.4	90.3	92.0	93.8	94.9	95.7	96.5	97.9	97.9	98.4
≥ 100	12.6	38.3	47.5	61.7	72.9	76.7	87.4	90.3	92.2	94.1	95.2	96.2	97.3	98.7	98.9	100.0
≥ 0	12.6	38.3	47.5	61.7	72.9	76.7	87.4	90.3	92.2	94.1	95.2	96.2	97.3	98.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 373

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | SEMBACH AB DL STATION NAME | 65-68,77-81 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0600 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	6.1	11.3	14.0	14.8	17.1	20.3	22.3	22.5	22.5	23.0	23.0	23.0	23.0	23.0	23.0	23.0
≥ 20000	6.5	11.7	14.6	15.4	17.7	20.9	23.0	23.2	23.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 18000	6.5	11.7	14.6	15.4	17.7	20.9	23.0	23.2	23.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 16000	6.5	11.7	14.6	15.4	17.7	20.9	23.0	23.2	23.2	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 14000	6.7	11.9	14.8	15.7	18.0	21.1	23.2	23.4	23.4	23.8	23.8	23.8	23.8	23.8	23.8	23.8
≥ 12000	7.1	12.7	15.7	16.5	18.8	21.9	24.0	24.2	24.2	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 10000	7.7	13.4	16.3	17.1	19.6	22.8	24.8	25.1	25.1	25.5	25.5	25.5	25.5	25.5	25.5	25.5
≥ 9000	7.7	14.0	16.9	17.7	20.3	23.4	25.7	25.9	25.9	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 8000	8.1	15.0	18.0	19.2	21.9	25.3	28.0	28.2	28.2	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 7000	8.4	15.7	19.0	20.5	23.2	26.5	29.2	29.4	29.6	30.1	30.1	30.1	30.1	30.1	30.1	30.1
≥ 6000	9.0	17.3	20.9	22.3	25.1	28.4	31.3	31.5	31.7	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 5000	9.0	17.3	20.9	22.5	25.5	28.8	32.2	32.4	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 4500	9.4	18.0	21.5	23.2	26.1	29.4	33.0	33.2	33.4	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 4000	10.4	19.8	23.4	25.1	28.0	31.3	35.1	35.3	35.5	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 3500	10.9	20.7	24.2	26.3	29.4	32.8	36.5	36.7	37.0	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 3000	11.9	22.5	26.3	28.8	32.2	35.5	39.7	39.9	40.1	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 2500	12.9	25.9	29.9	32.4	36.5	39.9	44.5	45.1	45.3	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 2000	15.2	29.9	34.9	38.4	42.6	46.1	51.4	52.0	52.2	52.8	52.8	52.8	52.8	53.2	53.2	53.2
≥ 1800	15.2	29.9	35.3	39.0	43.4	47.2	53.0	53.7	53.9	54.5	54.5	54.5	54.5	54.9	54.9	54.9
≥ 1500	15.9	31.3	37.0	41.3	46.8	50.5	57.0	57.6	57.8	58.7	58.7	58.7	58.7	59.1	59.1	59.1
≥ 1200	16.3	34.0	39.9	45.5	52.2	56.4	63.7	64.5	64.7	65.8	65.8	65.8	65.8	66.4	66.4	66.4
≥ 1000	16.5	34.2	40.9	46.8	54.5	59.3	66.8	67.8	68.1	69.1	69.3	69.3	69.3	69.9	69.9	69.9
≥ 900	16.5	34.2	41.8	49.3	57.6	62.6	70.1	71.2	71.6	72.7	72.9	72.9	72.9	73.5	73.5	73.5
≥ 800	16.7	35.3	43.6	51.8	61.0	66.2	73.7	74.9	75.6	77.2	77.5	77.5	77.5	78.1	78.1	78.3
≥ 700	17.1	35.7	45.1	54.1	64.3	69.9	77.9	79.5	80.2	82.0	82.3	82.3	82.3	82.9	83.1	83.3
≥ 600	17.3	36.1	45.9	55.5	66.0	71.8	81.0	82.9	83.5	85.4	85.6	85.6	85.6	86.2	86.4	86.8
≥ 500	17.3	36.3	46.3	55.9	66.8	73.3	82.9	85.2	85.8	88.1	88.3	88.3	88.3	88.9	89.1	89.6
≥ 400	17.5	36.5	46.6	56.2	67.2	73.9	84.8	87.5	88.1	90.6	91.0	91.0	91.2	91.9	92.1	92.5
≥ 300	17.5	36.5	46.6	56.4	67.4	74.1	85.4	88.9	89.8	92.5	92.9	93.3	93.5	94.4	94.6	95.4
≥ 200	17.5	36.5	46.6	56.4	67.4	74.1	85.6	89.4	90.4	93.5	94.6	95.0	95.2	96.5	97.1	98.5
≥ 100	17.5	36.5	46.6	56.4	67.4	74.1	85.6	89.4	90.4	93.7	94.8	95.4	95.6	97.3	98.1	100.0
≥ 0	17.5	36.5	46.6	56.4	67.4	74.1	85.6	89.4	90.4	93.7	94.8	95.4	95.6	97.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 473

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

17120	SEMBACH AB DE	65-68,77-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-1800
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	<¼
NO CEILING	6.9	9.9	11.5	12.3	14.0	15.2	16.5	17.3	17.6	18.8	18.8	19.1	19.1	19.5	19.9	20.2
≥ 20000	7.6	10.6	12.3	13.2	14.9	16.0	17.3	18.2	18.5	19.6	19.6	19.9	19.9	20.3	20.8	21.1
≥ 18000	7.6	10.6	12.3	13.2	14.9	16.0	17.5	18.3	18.6	19.8	19.8	20.1	20.1	20.5	20.9	21.2
≥ 16000	7.6	10.6	12.3	13.2	14.9	16.0	17.5	18.3	18.6	19.8	19.8	20.1	20.1	20.5	20.9	21.2
≥ 14000	7.6	10.6	12.3	13.2	14.9	16.0	17.5	18.3	18.6	19.8	19.8	20.1	20.1	20.5	20.9	21.2
≥ 12000	7.7	10.7	12.6	13.5	15.2	16.3	17.8	18.6	18.9	20.1	20.1	20.3	20.3	20.8	21.2	21.5
≥ 10000	7.7	11.2	13.0	13.9	15.6	16.8	18.2	19.1	19.3	20.5	20.5	20.8	20.8	21.2	21.6	21.9
≥ 9000	7.9	11.6	13.5	14.3	16.2	17.5	19.5	20.3	20.6	21.8	21.8	22.1	22.1	22.5	23.1	23.4
≥ 8000	8.0	12.5	14.3	15.6	17.8	19.1	21.3	22.2	22.5	23.6	23.6	23.9	23.9	24.4	24.9	25.2
≥ 7000	8.2	12.9	15.0	16.8	19.2	20.5	22.8	23.6	23.9	25.1	25.1	25.4	25.4	25.8	26.4	26.6
≥ 6000	8.3	13.8	16.2	18.1	20.5	21.9	24.5	25.4	25.6	26.8	26.8	27.1	27.1	27.5	28.1	28.4
≥ 5000	8.5	14.0	16.6	18.5	21.6	23.1	25.6	26.5	26.8	27.9	27.9	28.2	28.2	28.7	29.2	29.5
≥ 4500	9.0	14.6	17.2	19.1	22.2	23.6	26.5	27.4	27.7	28.8	28.8	29.1	29.1	29.5	30.1	30.4
≥ 4000	9.9	15.9	18.6	20.5	23.8	25.2	28.2	29.1	29.4	30.5	30.5	30.8	30.8	31.2	31.8	32.1
≥ 3500	10.6	16.8	19.6	21.8	25.4	26.8	29.9	31.4	31.7	32.8	32.8	33.1	33.1	33.5	34.1	34.4
≥ 3000	11.7	18.9	22.2	24.4	28.4	30.1	33.2	34.7	35.0	36.1	36.1	36.4	36.4	37.0	37.5	37.8
≥ 2500	12.9	21.3	24.8	27.2	31.9	33.8	37.2	38.7	39.0	40.1	40.1	40.4	40.4	41.0	41.5	41.8
≥ 2000	14.6	24.5	28.5	31.5	36.8	39.0	43.1	44.7	45.0	46.1	46.1	46.4	46.4	47.0	47.6	47.9
≥ 1800	16.0	26.1	30.4	33.7	39.3	41.4	46.0	47.6	47.9	49.0	49.1	49.4	49.4	50.0	50.6	50.9
≥ 1500	17.3	28.5	33.5	37.5	44.4	46.7	51.9	53.6	54.0	55.3	55.4	55.7	55.7	56.4	57.0	57.3
≥ 1200	18.6	31.5	37.2	42.3	50.9	53.4	59.3	61.2	61.7	63.2	63.3	63.6	63.6	64.3	64.9	65.2
≥ 1000	18.9	32.4	38.7	44.1	54.4	57.6	63.8	66.0	66.9	68.6	68.9	69.2	69.2	69.9	70.5	70.8
≥ 900	19.5	33.2	39.5	45.7	56.9	60.2	66.8	69.2	70.2	71.9	72.2	72.5	72.5	73.2	73.8	74.1
≥ 800	19.8	34.0	40.4	47.0	58.9	62.2	69.1	71.9	73.1	74.9	75.4	75.6	75.6	76.4	76.9	77.2
≥ 700	20.2	34.8	41.5	48.4	61.3	64.8	71.8	74.9	76.1	78.5	78.9	79.4	79.4	80.1	80.7	80.9
≥ 600	20.2	35.1	42.0	49.6	63.0	66.8	74.6	78.2	79.5	82.1	82.5	83.0	83.0	83.7	84.2	84.5
≥ 500	20.2	35.2	42.1	50.1	64.3	68.3	76.5	80.9	82.4	85.8	86.2	86.8	87.0	87.7	88.3	88.5
≥ 400	20.2	35.2	42.3	50.3	65.0	69.3	78.2	82.8	84.8	88.5	89.8	90.4	90.7	91.5	92.1	92.7
≥ 300	20.2	35.2	42.3	50.3	65.3	69.8	78.8	84.5	86.7	91.0	92.6	93.1	93.6	94.4	95.0	96.1
≥ 200	20.2	35.2	42.4	50.4	65.5	69.9	79.2	85.2	87.7	92.3	94.0	94.8	95.7	96.8	97.7	98.9
≥ 100	20.2	35.2	42.4	50.4	65.5	69.9	79.2	85.2	87.7	92.3	94.1	95.0	96.0	97.6	98.6	100.0
≥ 0	20.2	35.2	42.4	50.4	65.5	69.9	79.2	85.2	87.7	92.3	94.1	95.0	96.0	97.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) | SEMBACH AB DE (STATION NAME) | 65-68,77-81 (YEARS) | JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥ ¾	≥ ⅝	≥ ½	≥5/16	≥ ¼	≥ 0
NO CEILING	6.4	8.8	10.7	11.9	13.2	14.3	15.1	16.1	17.4	18.3	18.4	18.6	18.9	19.1	19.1	19.6
≥ 20000	7.2	9.7	11.5	12.9	14.7	15.9	16.8	18.0	19.4	20.2	20.3	20.6	20.8	21.1	21.1	21.6
≥ 18000	7.2	9.7	11.5	12.9	14.7	15.9	16.8	18.0	19.4	20.2	20.3	20.6	20.8	21.1	21.1	21.6
≥ 16000	7.2	9.7	11.5	12.9	14.7	15.9	16.8	18.0	19.4	20.2	20.3	20.6	20.8	21.1	21.1	21.6
≥ 14000	7.4	9.8	11.6	13.0	15.0	16.2	17.2	18.4	19.7	20.6	20.7	21.0	21.2	21.4	21.4	21.9
≥ 12000	7.5	10.0	12.3	13.6	15.6	16.9	17.9	19.1	20.5	21.3	21.4	21.7	21.9	22.2	22.2	22.7
≥ 10000	7.6	11.0	13.2	14.6	17.2	18.5	19.5	20.8	22.2	23.0	23.2	23.4	23.7	23.9	23.9	24.4
≥ 9000	8.6	12.0	14.2	15.6	18.3	19.6	20.8	22.2	23.5	24.4	24.5	24.8	25.0	25.2	25.2	25.7
≥ 8000	9.2	13.1	15.3	16.8	19.9	21.2	22.5	23.9	25.2	26.2	26.3	26.6	26.8	27.1	27.1	27.7
≥ 7000	9.7	13.8	16.3	17.8	21.3	22.7	24.1	25.7	27.1	28.2	28.4	28.7	28.9	29.2	29.2	29.8
≥ 6000	9.9	14.5	16.9	18.4	22.2	23.9	25.5	27.2	28.6	29.8	30.0	30.3	30.5	30.8	30.8	31.4
≥ 5000	11.1	15.9	18.4	20.1	23.5	25.6	27.3	29.0	30.5	31.7	32.0	32.4	32.6	32.8	32.8	33.5
≥ 4500	11.4	16.5	19.1	21.0	25.1	27.6	29.3	31.1	32.6	33.8	34.1	34.4	34.7	34.9	34.9	35.5
≥ 4000	12.6	17.9	20.6	22.5	27.3	29.8	31.5	33.3	34.9	36.2	36.4	36.8	37.0	37.3	37.3	37.9
≥ 3500	14.0	19.9	22.7	24.8	30.0	32.5	34.2	36.0	37.7	39.0	39.2	39.6	39.8	40.1	40.1	40.7
≥ 3000	15.3	21.7	24.8	27.1	32.8	35.3	37.0	38.8	40.6	41.8	42.0	42.5	42.8	43.0	43.0	43.8
≥ 2500	16.4	23.8	26.8	29.3	36.5	39.2	41.3	43.1	44.9	46.2	46.4	46.9	47.2	47.5	47.5	48.3
≥ 2000	17.6	26.1	29.2	32.8	40.6	43.8	46.4	48.4	50.1	51.5	51.8	52.5	52.8	53.2	53.2	53.9
≥ 1800	18.6	27.5	30.5	34.3	42.0	45.3	48.0	50.2	52.0	53.3	53.7	54.3	54.7	55.0	55.0	55.8
≥ 1500	20.6	30.4	33.8	38.1	46.3	50.0	52.9	55.6	57.4	58.7	59.3	59.9	60.3	60.7	60.7	61.4
≥ 1200	21.7	32.7	36.6	41.4	51.0	54.8	57.7	61.0	62.9	64.2	64.8	65.4	65.8	66.2	66.2	66.9
≥ 1000	22.3	33.7	38.5	43.6	53.9	58.1	61.3	65.0	66.9	68.5	69.1	69.7	70.1	70.5	70.5	71.2
≥ 900	22.9	34.7	39.7	45.0	55.8	59.9	63.4	67.5	69.6	71.3	71.9	72.5	72.9	73.3	73.3	74.0
≥ 800	23.4	35.7	40.8	46.4	57.6	62.0	65.8	70.1	72.4	74.4	75.2	76.0	76.3	76.7	76.7	77.5
≥ 700	23.4	35.9	41.4	48.0	59.8	64.3	68.4	72.8	75.1	77.1	77.9	78.7	79.0	79.5	79.7	80.4
≥ 600	23.7	36.3	42.5	49.8	61.8	66.7	71.3	76.6	78.9	81.4	82.4	83.1	83.8	84.3	84.4	85.2
≥ 500	23.7	36.4	42.8	50.1	62.9	67.8	73.0	78.8	81.4	84.8	85.8	86.5	87.4	87.9	88.1	88.8
≥ 400	23.8	36.8	43.1	50.5	63.4	68.8	74.4	81.0	83.8	87.6	89.0	89.7	90.6	91.2	91.5	92.3
≥ 300	23.8	36.8	43.1	50.5	63.4	68.8	74.5	81.7	84.7	89.5	91.4	92.9	93.8	94.7	95.1	96.2
≥ 200	23.8	36.8	43.1	50.5	63.4	68.8	74.6	82.1	85.4	90.2	92.5	94.5	95.6	97.1	97.7	99.0
≥ 100	23.8	36.8	43.1	50.5	63.4	68.8	74.6	82.1	85.4	90.2	92.5	94.5	95.6	97.2	97.9	99.9
≥ 0	23.8	36.8	43.1	50.5	63.4	68.8	74.6	82.1	85.4	90.2	92.6	94.6	95.7	97.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 120 | SEMBACH AB DL | 65-68,77-81 | JAN
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	<¼
NO CEILING	7.9	12.3	13.3	15.0	17.5	18.0	19.3	20.7	21.0	21.5	21.5	21.5	21.6	21.8	21.8	21.9
≥ 20000	9.2	13.3	15.1	17.0	19.7	20.2	21.5	22.9	23.2	23.7	23.7	23.7	23.8	24.0	24.0	24.1
≥ 18000	9.3	13.3	15.2	17.0	19.7	20.2	21.5	22.9	23.2	23.7	23.7	23.7	23.8	24.0	24.0	24.1
≥ 16000	9.3	13.4	15.2	17.1	19.8	20.3	21.6	23.0	23.3	23.8	23.8	23.8	24.0	24.1	24.1	24.2
≥ 14000	9.3	13.7	15.5	17.5	20.2	20.7	22.0	23.3	23.7	24.2	24.2	24.2	24.3	24.4	24.4	24.6
≥ 12000	9.7	14.2	16.0	18.0	20.7	21.1	22.5	23.8	24.2	24.7	24.7	24.7	24.8	24.9	24.9	25.1
≥ 10000	10.0	15.2	17.1	19.2	22.1	22.6	24.0	25.3	25.7	26.2	26.2	26.2	26.3	26.4	26.4	26.5
≥ 9000	11.0	16.1	18.1	20.2	23.1	23.6	24.9	26.3	26.7	27.1	27.1	27.1	27.3	27.4	27.4	27.5
≥ 8000	12.2	17.7	19.8	22.0	25.1	25.6	26.9	28.2	28.6	29.1	29.1	29.1	29.2	29.3	29.3	29.5
≥ 7000	13.0	18.5	20.7	23.2	26.3	26.8	28.1	29.5	29.8	30.3	30.3	30.3	30.4	30.6	30.6	30.7
≥ 6000	13.2	18.8	21.0	23.7	26.9	27.4	28.7	30.2	30.7	31.3	31.3	31.3	31.4	31.5	31.5	31.8
≥ 5000	13.9	19.8	22.1	25.1	28.2	28.7	30.1	31.5	32.2	32.8	32.8	32.8	32.9	33.0	33.0	33.3
≥ 4500	14.8	21.1	23.5	26.4	29.8	30.6	32.2	33.7	34.4	35.1	35.1	35.1	35.2	35.3	35.3	35.6
≥ 4000	16.0	23.1	25.4	28.4	32.0	32.8	34.5	36.1	36.7	37.5	37.5	37.5	37.7	37.8	37.8	38.0
≥ 3500	17.2	25.3	27.6	30.8	35.0	35.8	37.8	39.6	40.2	41.1	41.1	41.1	41.2	41.3	41.3	41.6
≥ 3000	18.8	28.0	30.3	33.9	39.4	40.2	42.3	44.1	44.7	45.6	45.6	45.6	45.7	45.8	45.8	46.1
≥ 2500	20.2	30.6	33.3	37.2	42.9	43.8	45.8	47.7	48.3	49.1	49.1	49.1	49.3	49.4	49.4	49.6
≥ 2000	23.2	35.6	40.1	44.5	51.3	52.2	55.0	57.0	57.6	58.8	58.8	58.8	58.6	58.7	58.7	58.9
≥ 1800	23.8	36.7	41.2	46.0	52.9	53.9	56.7	58.8	59.4	60.4	60.4	60.4	60.5	60.6	60.6	60.9
≥ 1500	25.2	38.5	43.9	49.1	56.7	58.3	61.5	64.2	65.0	66.1	66.1	66.1	66.4	66.5	66.5	66.7
≥ 1200	26.0	40.5	46.3	52.4	61.2	63.3	66.7	69.9	70.8	72.0	72.0	72.1	72.4	72.5	72.5	72.7
≥ 1000	26.5	41.6	47.8	54.8	64.4	66.7	70.7	74.0	74.9	76.2	76.3	76.4	76.8	76.9	76.9	77.1
≥ 900	26.8	41.9	48.4	55.7	65.5	67.8	72.2	75.9	76.9	78.6	78.7	78.9	79.2	79.3	79.3	79.6
≥ 800	27.1	42.7	49.5	57.6	68.0	70.9	75.3	79.2	80.8	82.8	82.9	83.0	83.5	83.7	83.7	84.0
≥ 700	27.3	42.9	50.0	58.4	69.9	73.2	78.0	82.3	83.9	85.8	85.9	86.1	86.6	86.8	86.8	87.0
≥ 600	27.3	43.0	50.2	58.8	70.5	74.0	79.0	83.5	85.2	87.5	87.7	87.9	88.5	88.8	88.8	89.0
≥ 500	27.3	43.2	50.5	59.0	71.3	74.7	80.1	85.3	87.0	90.0	90.3	90.7	91.7	92.1	92.1	92.3
≥ 400	27.3	43.2	50.5	59.3	72.2	75.7	81.8	87.8	90.0	93.0	93.8	94.1	95.4	96.1	96.2	96.5
≥ 300	27.3	43.2	50.5	59.3	72.2	75.8	81.9	87.9	90.2	93.5	94.5	95.1	96.3	97.2	97.3	97.8
≥ 200	27.3	43.2	50.5	59.3	72.2	75.8	81.9	88.1	90.7	94.1	95.2	95.8	97.1	98.3	98.9	99.4
≥ 100	27.3	43.2	50.5	59.3	72.2	75.8	81.9	88.1	90.7	94.1	95.2	95.8	97.1	98.7	99.5	100.0
≥ 0	27.3	43.2	50.5	59.3	72.2	75.8	81.9	88.1	90.7	94.1	95.2	95.8	97.1	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120	SEMBACH AB DE	65-68,77-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	8.9	13.2	16.1	16.8	20.4	21.2	22.6	23.3	23.7	23.8	23.8	23.9	23.9	23.9	23.9	23.9
≥ 20000	12.1	16.7	19.8	20.6	24.4	25.3	26.7	27.5	28.0	28.1	28.1	28.2	28.2	28.2	28.2	28.2
≥ 18000	12.1	16.7	19.8	20.6	24.4	25.3	26.7	27.5	28.0	28.1	28.1	28.2	28.2	28.2	28.2	28.2
≥ 16000	12.1	16.7	19.8	20.6	24.4	25.3	26.7	27.5	28.0	28.1	28.1	28.2	28.2	28.2	28.2	28.2
≥ 14000	12.1	16.8	19.9	20.8	24.5	25.4	26.9	27.6	28.1	28.2	28.2	28.3	28.3	28.3	28.3	28.3
≥ 12000	12.5	17.6	20.8	21.6	25.4	26.4	27.8	28.6	29.1	29.2	29.2	29.3	29.3	29.3	29.3	29.3
≥ 10000	13.1	18.4	21.9	22.7	26.5	27.5	28.9	29.7	30.3	30.4	30.4	30.5	30.5	30.5	30.5	30.5
≥ 9000	14.0	19.4	23.0	23.9	27.7	28.7	30.2	30.9	31.5	31.6	31.6	31.7	31.7	31.7	31.7	31.7
≥ 8000	14.5	20.1	23.8	24.8	28.7	29.7	31.1	31.9	32.7	32.8	32.8	33.0	33.0	33.0	33.0	33.0
≥ 7000	14.8	20.5	24.3	25.6	29.5	30.5	32.0	32.7	33.6	33.7	33.7	33.8	33.8	33.8	33.8	33.8
≥ 6000	14.9	21.1	24.9	26.5	30.4	31.4	32.8	33.6	34.4	34.6	34.6	34.7	34.7	34.7	34.7	34.7
≥ 5000	16.5	22.8	26.6	28.2	32.1	33.1	34.6	35.4	36.4	36.5	36.5	36.8	36.8	36.8	36.8	36.8
≥ 4500	17.3	23.8	27.6	29.2	33.2	34.2	35.7	36.5	37.7	38.0	38.0	38.2	38.2	38.2	38.2	38.2
≥ 4000	18.2	25.8	29.8	31.5	35.9	36.9	38.3	39.2	40.4	40.8	40.8	41.0	41.0	41.0	41.0	41.0
≥ 3500	19.0	27.8	32.2	33.9	38.5	39.4	40.9	41.8	43.0	43.5	43.7	44.0	44.0	44.0	44.0	44.0
≥ 3000	21.1	32.1	37.0	39.2	44.0	45.3	47.0	48.1	49.3	49.8	50.1	50.3	50.3	50.3	50.3	50.3
≥ 2500	23.3	34.2	39.4	41.9	47.6	49.2	51.0	52.1	53.4	53.8	54.1	54.3	54.3	54.3	54.3	54.3
≥ 2000	26.4	39.4	45.5	49.1	56.9	58.6	60.7	62.0	63.4	63.9	64.1	64.3	64.3	64.3	64.3	64.3
≥ 1800	27.0	40.2	46.8	50.8	59.1	60.8	63.1	64.5	65.8	66.3	66.5	66.8	66.8	66.8	66.8	66.8
≥ 1500	28.9	43.0	49.8	54.5	63.2	65.6	68.9	70.6	71.9	72.4	72.6	73.0	73.0	73.0	73.0	73.0
≥ 1200	29.8	45.5	53.0	59.2	69.1	71.4	75.0	76.7	78.0	78.8	79.0	79.4	79.4	79.4	79.4	79.4
≥ 1000	30.8	46.9	54.5	61.3	71.6	74.1	77.8	79.5	81.1	81.9	82.3	82.7	82.7	82.7	82.7	82.7
≥ 900	30.9	47.4	54.9	61.9	72.3	74.8	78.8	80.5	82.1	83.3	83.6	84.0	84.0	84.0	84.0	84.0
≥ 800	31.4	48.1	55.8	63.0	73.5	76.2	80.5	82.4	84.5	86.1	86.6	86.9	86.9	86.9	86.9	86.9
≥ 700	31.4	48.5	56.2	63.4	74.7	77.7	82.2	84.6	86.9	88.6	89.1	89.7	89.7	89.9	89.9	89.9
≥ 600	31.4	48.5	56.8	64.1	75.6	78.6	83.4	86.0	88.5	90.5	91.0	91.6	91.6	91.8	91.8	91.8
≥ 500	31.4	48.5	56.8	64.2	76.2	79.4	84.4	87.3	90.0	92.4	93.0	93.7	93.7	94.1	94.1	94.1
≥ 400	31.4	48.5	56.8	64.2	76.8	80.1	85.1	88.5	91.3	94.1	94.7	95.4	95.5	96.1	96.1	96.1
≥ 300	31.4	48.5	56.8	64.2	76.9	80.2	85.3	88.9	91.7	94.6	95.4	96.2	96.3	97.6	97.6	97.6
≥ 200	31.4	48.5	56.8	64.2	76.9	80.2	85.5	89.0	92.1	95.1	95.8	96.7	96.9	99.3	99.5	99.8
≥ 100	31.4	48.5	56.8	64.2	76.9	80.2	85.5	89.0	92.1	95.1	95.8	96.7	97.1	99.4	99.6	100.0
≥ 0	31.4	48.5	56.8	64.2	76.9	80.2	85.5	89.0	92.1	95.1	95.8	96.7	97.1	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (YEARS) JAN. (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥3/16	≥¼	<¼
NO CEILING	6.5	9.8	11.5	14.4	16.5	17.4	19.4	20.5	21.3	21.6	21.7	21.7	21.7	21.8	21.8	21.8
≥ 20000	8.0	11.8	13.9	17.2	19.7	20.7	22.8	24.0	24.7	25.0	25.1	25.3	25.3	25.4	25.4	25.4
≥ 18000	8.1	11.8	13.9	17.2	19.7	20.7	22.8	24.0	24.7	25.0	25.1	25.3	25.3	25.4	25.4	25.4
≥ 16000	8.1	11.8	13.9	17.2	19.7	20.7	22.8	24.0	24.7	25.0	25.1	25.3	25.3	25.4	25.4	25.4
≥ 14000	8.1	11.8	13.9	17.2	19.7	20.7	22.8	24.0	24.7	25.0	25.1	25.3	25.3	25.4	25.4	25.4
≥ 12000	8.6	12.8	14.9	18.2	20.7	21.7	23.9	25.0	25.7	26.0	26.1	26.3	26.3	26.4	26.4	26.4
≥ 10000	8.9	13.8	16.1	19.4	22.3	23.3	25.4	26.6	27.3	27.6	27.7	27.9	27.9	28.0	28.0	28.0
≥ 9000	9.2	14.4	16.7	20.0	23.0	24.0	26.1	27.3	28.0	28.3	28.4	28.6	28.6	28.7	28.7	28.7
≥ 8000	9.9	15.5	17.8	21.6	24.9	25.9	28.0	29.5	30.2	30.5	30.6	30.7	30.7	30.9	30.9	30.9
≥ 7000	9.9	16.2	18.7	22.6	26.6	27.6	29.7	31.2	31.9	32.2	32.3	32.5	32.5	32.6	32.6	32.6
≥ 6000	10.2	17.2	19.7	23.7	27.9	28.9	31.0	32.5	33.5	33.8	33.9	34.1	34.1	34.2	34.2	34.2
≥ 5000	11.8	19.1	22.1	26.3	30.5	31.5	33.6	35.1	36.1	36.4	36.6	36.8	36.8	36.9	36.9	36.9
≥ 4500	12.2	20.0	23.1	27.4	31.8	33.0	35.2	36.6	37.6	37.9	38.2	38.4	38.4	38.5	38.5	38.5
≥ 4000	13.6	22.6	26.1	31.0	35.8	37.2	39.5	41.1	42.1	42.4	42.7	42.8	42.8	43.0	43.0	43.0
≥ 3500	14.5	23.7	27.3	32.6	37.8	39.2	41.5	43.1	44.1	44.8	45.1	45.3	45.3	45.4	45.4	45.4
≥ 3000	15.8	25.9	30.0	35.8	42.0	43.7	46.6	48.1	49.1	49.9	50.1	50.3	50.3	50.4	50.4	50.4
≥ 2500	17.1	28.4	33.6	39.7	47.3	49.1	52.4	54.0	55.0	55.7	56.0	56.2	56.2	56.3	56.3	56.3
≥ 2000	19.0	31.5	37.5	44.1	53.9	55.9	59.9	61.5	62.5	63.4	63.6	63.8	63.8	63.9	63.9	63.9
≥ 1800	19.3	32.8	39.1	45.7	55.5	57.6	61.6	63.4	64.4	65.2	65.5	65.7	65.7	65.8	65.8	65.8
≥ 1500	20.0	34.1	41.8	49.0	59.5	61.9	66.7	69.1	70.3	71.1	71.4	71.6	71.6	71.7	71.7	71.7
≥ 1200	20.7	35.9	45.3	53.4	64.4	66.8	72.1	74.9	76.1	77.0	77.3	77.4	77.4	77.6	77.6	77.6
≥ 1000	21.1	37.1	47.6	56.3	68.0	70.4	76.4	79.2	80.5	81.3	81.6	81.8	81.8	81.9	81.9	81.9
≥ 900	21.1	37.1	48.1	57.6	69.5	72.0	78.0	80.9	82.2	83.0	83.3	83.5	83.5	83.6	83.6	83.6
≥ 800	21.4	37.5	48.7	58.9	71.6	74.1	80.3	83.3	85.1	86.1	86.4	86.5	86.5	86.6	86.6	86.6
≥ 700	21.7	37.9	49.1	59.6	72.4	75.1	81.3	84.3	86.4	87.8	88.1	88.2	88.2	88.6	88.6	88.6
≥ 600	21.7	37.9	49.3	59.8	73.4	76.3	82.8	86.2	88.8	90.4	90.7	90.8	90.8	91.2	91.2	91.2
≥ 500	21.7	37.9	49.4	60.1	73.9	76.7	83.8	87.2	89.9	91.5	91.8	92.1	92.1	92.5	92.5	92.5
≥ 400	21.7	37.9	49.4	60.3	74.3	77.2	84.5	88.1	91.1	93.5	93.8	94.1	94.1	94.7	94.7	94.7
≥ 300	21.7	37.9	49.4	60.3	74.3	77.2	84.6	88.2	91.5	94.5	95.4	96.0	96.0	97.0	97.0	97.1
≥ 200	21.7	37.9	49.4	60.3	74.3	77.2	84.6	88.2	91.7	94.7	96.0	96.7	96.8	98.1	98.1	98.7
≥ 100	21.7	37.9	49.4	60.3	74.3	77.2	84.6	88.2	91.8	95.0	96.1	97.3	97.6	99.1	99.3	100.0
≥ 0	21.7	37.9	49.4	60.3	74.3	77.2	84.6	88.2	91.8	95.0	96.4	97.3	97.6	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.5	12.6	14.7	15.7	18.6	19.3	22.2	24.1	24.4	24.8	24.8	25.1	25.3	25.5	25.5	25.6
≥ 20000	8.4	13.5	15.6	16.6	19.7	20.3	23.4	25.3	25.6	26.0	26.0	26.5	26.7	26.8	26.8	27.0
≥ 18000	8.4	13.5	15.6	16.6	19.7	20.3	23.4	25.3	25.6	26.0	26.0	26.5	26.7	26.8	26.8	27.0
≥ 16000	8.4	13.5	15.6	16.6	19.7	20.3	23.4	25.3	25.6	26.0	26.0	26.5	26.7	26.8	26.8	27.0
≥ 14000	8.4	13.5	15.6	16.6	19.7	20.3	23.4	25.3	25.6	26.0	26.0	26.5	26.7	26.8	26.8	27.0
≥ 12000	8.4	14.2	16.2	17.3	20.3	21.0	24.1	26.0	26.3	26.7	26.7	27.2	27.4	27.5	27.5	27.7
≥ 10000	8.4	14.4	16.4	17.6	20.9	21.5	24.6	26.5	26.8	27.2	27.2	27.7	27.9	28.0	28.0	28.2
≥ 9000	8.9	15.0	17.3	18.5	22.1	22.7	25.8	27.7	28.0	28.4	28.4	28.9	29.1	29.2	29.2	29.4
≥ 8000	9.2	16.2	18.5	20.2	24.3	25.1	28.2	30.1	30.4	30.8	30.8	31.3	31.5	31.6	31.6	31.8
≥ 7000	9.2	16.4	18.6	20.3	24.4	25.3	28.7	30.6	30.9	31.3	31.3	31.8	32.0	32.1	32.1	32.3
≥ 6000	9.2	16.9	19.8	21.5	25.6	26.5	30.1	32.1	32.5	32.8	32.8	33.3	33.5	33.7	33.7	33.8
≥ 5000	9.9	17.8	20.7	22.6	27.2	28.5	32.6	34.7	35.4	35.7	35.7	36.2	36.4	36.6	36.6	36.8
≥ 4500	10.3	18.6	21.5	23.6	28.4	29.9	34.0	36.4	37.1	37.4	37.4	37.9	38.1	38.3	38.3	38.5
≥ 4000	11.5	20.7	24.1	26.8	32.5	34.2	38.5	40.9	41.5	41.9	41.9	42.4	42.7	42.9	42.9	43.1
≥ 3500	12.9	22.6	26.3	29.2	35.0	36.8	41.2	43.6	44.3	45.0	45.0	45.5	46.0	46.2	46.2	46.3
≥ 3000	14.0	25.0	29.2	33.0	39.3	41.2	45.6	48.0	49.1	49.7	49.7	50.3	50.8	50.9	50.9	51.1
≥ 2500	15.6	27.9	33.0	37.6	44.6	46.5	51.5	53.8	54.9	55.6	55.6	56.1	56.6	56.8	56.8	56.9
≥ 2000	17.3	31.5	37.1	42.1	50.9	52.8	58.1	60.5	61.5	62.2	62.2	62.7	63.2	63.4	63.4	63.6
≥ 1800	17.4	32.1	37.8	42.9	51.8	54.0	59.8	62.2	63.2	63.9	63.9	64.4	65.0	65.1	65.1	65.3
≥ 1500	17.9	34.0	40.3	46.0	55.7	58.3	64.4	66.8	68.2	68.9	68.9	69.4	69.9	70.1	70.1	70.3
≥ 1200	18.5	37.1	43.9	50.4	61.5	64.1	70.8	73.2	74.5	75.4	75.4	75.9	76.4	76.6	76.6	76.8
≥ 1000	19.3	39.0	46.3	53.5	65.1	67.9	74.5	76.9	78.3	79.1	79.1	79.7	80.2	80.3	80.3	80.5
≥ 900	19.3	39.0	47.2	54.9	66.5	69.2	75.9	78.3	79.7	81.0	81.0	81.5	82.1	82.2	82.2	82.4
≥ 800	19.3	39.1	48.0	56.9	69.1	71.8	78.8	81.2	82.6	83.9	83.9	84.4	85.0	85.1	85.1	85.3
≥ 700	19.7	39.8	48.9	58.3	70.9	74.2	81.5	84.1	85.6	87.2	87.2	87.7	88.2	88.4	88.4	88.5
≥ 600	19.7	39.8	49.2	58.6	71.6	74.9	82.4	85.5	87.0	88.5	88.7	89.2	89.7	89.9	89.9	90.1
≥ 500	19.7	39.8	49.6	59.7	73.0	76.4	84.3	87.4	89.2	90.8	91.1	91.6	92.1	92.6	92.6	92.8
≥ 400	19.7	39.8	49.6	59.7	73.0	76.4	84.6	88.0	90.3	92.5	92.8	93.3	93.8	94.5	94.5	94.7
≥ 300	19.7	39.8	49.6	59.7	73.2	76.6	84.8	88.4	91.1	93.7	94.4	95.0	95.6	96.9	96.9	97.4
≥ 200	19.7	39.8	49.6	59.7	73.2	76.6	84.8	88.4	91.5	94.0	94.7	95.7	96.2	97.6	97.6	98.3
≥ 100	19.7	39.8	49.6	59.7	73.2	76.6	84.8	88.4	91.5	94.0	94.7	96.1	97.1	98.8	99.0	100.0
≥ 0	19.7	39.8	49.6	59.7	73.2	76.6	84.8	88.4	91.5	94.0	94.7	96.1	97.1	98.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 585

USAF ETAC FORM JUL 66 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.2	11.3	13.2	14.7	17.1	18.1	19.8	20.8	21.3	21.8	21.8	22.0	22.0	22.2	22.3	22.4
≥ 20000	8.5	12.7	14.9	16.4	19.0	20.1	21.8	22.9	23.4	23.9	23.9	24.1	24.2	24.4	24.4	24.6
≥ 18000	8.5	12.7	14.9	16.4	19.0	20.1	21.9	22.9	23.4	23.9	23.9	24.1	24.2	24.4	24.5	24.6
≥ 16000	8.5	12.7	14.9	16.5	19.0	20.1	21.9	22.9	23.4	23.9	23.9	24.1	24.2	24.4	24.5	24.6
≥ 14000	8.5	12.8	15.0	16.6	19.2	20.3	22.0	23.1	23.6	24.1	24.1	24.3	24.4	24.6	24.6	24.8
≥ 12000	8.8	13.3	15.7	17.2	19.8	21.0	22.7	23.8	24.3	24.8	24.8	25.0	25.1	25.3	25.3	25.5
≥ 10000	9.1	14.0	16.4	18.1	20.9	22.0	23.8	24.8	25.4	25.9	25.9	26.1	26.2	26.4	26.4	26.6
≥ 9000	9.7	14.8	17.3	18.9	21.9	23.0	24.9	26.0	26.5	27.0	27.0	27.2	27.3	27.5	27.6	27.7
≥ 8000	10.2	16.0	18.5	20.4	23.6	24.9	26.9	28.0	28.5	29.0	29.1	29.3	29.4	29.6	29.6	29.8
≥ 7000	10.5	16.5	19.2	21.3	24.8	26.1	28.1	29.3	29.8	30.4	30.4	30.6	30.7	30.9	31.0	31.2
≥ 6000	10.7	17.3	20.2	22.4	26.0	27.3	29.5	30.7	31.3	31.9	31.9	32.1	32.2	32.4	32.5	32.7
≥ 5000	11.6	18.5	21.5	23.9	27.6	29.0	31.3	32.5	33.3	33.8	33.9	34.1	34.2	34.4	34.5	34.7
≥ 4500	12.1	19.4	22.4	24.9	28.7	30.4	32.7	34.0	34.8	35.4	35.5	35.7	35.8	36.0	36.1	36.3
≥ 4000	13.2	21.1	24.3	27.0	31.2	32.9	35.4	36.7	37.5	38.2	38.2	38.5	38.6	38.8	38.8	39.0
≥ 3500	14.1	22.7	26.1	29.1	33.6	35.3	37.9	39.3	40.1	40.9	41.0	41.2	41.4	41.6	41.6	41.8
≥ 3000	15.5	25.2	28.9	32.2	37.4	39.2	41.9	43.4	44.2	45.0	45.1	45.4	45.5	45.8	45.8	46.0
≥ 2500	16.8	27.6	31.7	35.3	41.4	43.3	46.3	47.8	48.7	49.5	49.6	49.8	50.0	50.2	50.3	50.5
≥ 2000	18.9	31.3	36.2	40.6	47.7	49.9	53.5	55.1	56.0	56.8	56.9	57.2	57.4	57.6	57.7	57.9
≥ 1800	19.5	32.3	37.5	42.1	49.4	51.6	55.5	57.2	58.0	58.9	59.0	59.3	59.5	59.7	59.8	60.0
≥ 1500	20.7	34.5	40.3	45.4	53.5	56.1	60.4	62.5	63.5	64.4	64.6	64.9	65.0	65.3	65.4	65.6
≥ 1200	21.6	36.9	43.4	49.5	58.7	61.5	66.4	68.7	69.7	70.7	71.0	71.3	71.5	71.8	71.9	72.1
≥ 1000	22.1	38.0	45.0	51.8	61.8	64.9	70.1	72.5	73.7	74.8	75.1	75.4	75.6	76.0	76.0	76.2
≥ 900	22.4	38.5	45.8	53.2	63.6	66.7	72.1	74.8	76.0	77.3	77.6	78.0	78.2	78.5	78.6	78.8
≥ 800	22.7	39.1	46.8	54.9	65.9	69.2	74.8	77.6	79.2	80.7	81.1	81.4	81.7	82.0	82.1	82.3
≥ 700	22.8	39.6	47.6	56.2	67.9	71.5	77.4	80.5	82.1	83.9	84.3	84.7	84.9	85.3	85.4	85.6
≥ 600	22.9	39.8	48.1	57.0	69.1	72.9	79.3	82.8	84.6	86.5	87.0	87.4	87.7	88.1	88.2	88.5
≥ 500	22.9	39.9	48.3	57.4	70.0	73.9	80.8	84.7	86.6	89.0	89.5	90.0	90.4	90.9	91.0	91.3
≥ 400	22.9	40.0	48.4	57.6	70.6	74.6	82.0	86.3	88.6	91.4	92.1	92.6	93.1	93.7	93.9	94.2
≥ 300	22.9	40.0	48.4	57.6	70.7	74.8	82.3	87.0	89.4	92.7	93.8	94.5	95.0	96.0	96.2	96.5
≥ 200	22.9	40.0	48.4	57.6	70.7	74.8	82.4	87.3	90.0	93.4	94.7	95.6	96.3	97.8	98.2	99.3
≥ 100	22.9	40.0	48.4	57.6	70.7	74.8	82.4	87.3	90.0	93.5	94.8	95.9	96.7	98.4	98.9	100.0
≥ 0	22.9	40.0	48.4	57.6	70.7	74.8	82.4	87.3	90.0	93.5	94.8	95.9	96.7	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 5284

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7123 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77,79-80 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0600 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	8.2	19.6	21.0	22.7	24.4	25.9	26.7	26.7	27.0	27.6	27.6	27.6	27.8	27.8	28.1	28.1
≥ 20000	8.8	20.2	22.4	24.7	26.4	27.8	28.7	28.7	29.0	29.5	29.5	29.5	29.8	29.8	30.1	30.1
≥ 18000	8.8	20.2	22.4	24.7	26.4	27.8	28.7	28.7	29.0	29.5	29.5	29.5	29.8	29.8	30.1	30.1
≥ 16000	9.1	20.5	22.7	25.0	26.7	28.1	29.0	29.0	29.3	29.8	29.8	29.8	30.1	30.1	30.4	30.4
≥ 14000	9.4	20.7	23.0	25.3	27.0	28.4	29.3	29.3	29.5	30.1	30.1	30.1	30.4	30.4	30.7	30.7
≥ 12000	10.2	21.9	24.1	26.4	28.1	29.5	30.4	30.4	30.7	31.3	31.3	31.3	31.5	31.5	31.8	31.8
≥ 10000	10.8	22.7	25.0	27.8	29.5	31.3	32.1	32.1	32.4	33.0	33.0	33.0	33.2	33.2	33.5	33.5
≥ 9000	11.4	23.9	26.1	29.0	30.7	32.4	33.2	33.2	33.5	34.1	34.1	34.1	34.4	34.4	34.7	34.7
≥ 8000	11.4	25.9	28.1	31.5	33.2	34.9	35.8	35.8	36.1	36.6	36.6	36.6	36.9	36.9	37.2	37.2
≥ 7000	12.8	28.1	30.7	35.2	37.8	39.5	40.3	40.3	40.6	41.2	41.2	41.2	41.5	41.5	41.8	41.8
≥ 6000	13.6	30.7	33.8	38.9	41.8	43.5	45.2	45.2	45.5	46.0	46.0	46.0	46.3	46.3	46.6	46.6
> 5000	14.2	32.1	35.2	40.3	43.5	45.2	46.9	46.9	47.2	47.7	47.7	47.7	48.0	48.0	48.3	48.3
≥ 4500	15.3	34.4	37.5	42.9	46.3	48.0	50.0	50.3	50.6	51.4	51.4	51.4	51.7	51.7	52.0	52.0
≥ 4000	15.6	35.2	38.4	44.0	47.7	49.7	52.0	52.3	52.6	53.4	53.4	53.4	53.7	54.0	54.3	54.3
≥ 3500	17.0	37.2	40.6	46.6	51.4	54.3	56.5	56.8	57.1	58.0	58.0	58.0	58.2	58.5	58.8	58.8
≥ 3000	17.6	38.6	42.0	49.1	54.3	57.1	59.4	59.9	60.2	61.1	61.1	61.1	61.4	61.6	61.9	61.9
≥ 2500	19.0	41.5	45.7	53.1	59.1	61.9	64.2	64.8	65.1	65.9	65.9	65.9	66.2	66.5	66.8	66.8
≥ 2000	19.3	42.3	47.2	54.5	61.4	64.2	66.5	67.0	67.3	68.2	68.2	68.2	68.5	68.8	69.0	69.0
≥ 1800	19.6	42.9	47.7	55.1	61.9	65.1	67.3	67.9	68.2	69.0	69.0	69.0	69.3	69.6	69.9	69.9
≥ 1500	20.5	44.3	50.9	58.2	65.9	69.3	71.6	72.2	72.4	73.3	73.3	73.3	73.6	73.9	74.1	74.1
≥ 1200	21.6	46.0	54.8	63.4	71.3	75.0	77.8	79.0	79.3	80.1	80.1	80.1	80.4	80.7	81.0	81.3
≥ 1000	22.4	47.7	57.1	65.9	73.9	77.8	81.3	82.4	82.7	83.5	83.5	83.5	83.8	84.1	84.4	84.7
≥ 900	22.4	48.6	58.2	67.0	75.9	80.1	83.5	84.7	84.9	85.8	85.8	85.8	86.1	86.4	86.6	86.9
≥ 800	23.3	49.7	59.7	68.5	77.8	82.1	85.5	87.2	87.5	88.4	88.4	88.4	88.6	88.9	89.2	89.5
≥ 700	23.3	50.0	60.5	69.3	78.7	83.0	87.5	89.2	89.5	90.3	90.6	90.6	90.9	91.2	91.5	91.8
≥ 600	23.3	50.0	60.5	69.3	78.7	83.0	87.8	89.5	89.8	91.2	91.5	91.5	91.8	92.0	92.3	92.6
≥ 500	23.3	50.0	61.6	70.5	79.8	84.1	89.2	91.2	92.0	93.8	94.0	94.0	94.3	94.6	94.9	95.2
≥ 400	23.3	50.0	61.6	70.7	80.1	84.7	90.9	92.9	93.8	95.7	96.0	96.0	96.3	96.6	96.9	97.2
≥ 300	23.3	50.0	61.6	70.7	80.1	84.7	91.5	93.8	94.9	97.2	97.4	97.4	97.7	98.0	98.3	98.6
≥ 200	23.3	50.0	61.6	70.7	80.1	84.7	91.5	93.8	94.9	97.4	98.0	98.0	98.3	98.6	98.9	100.0
≥ 100	23.3	50.0	61.6	70.7	80.1	84.7	91.5	93.8	94.9	97.4	98.0	98.0	98.3	98.6	98.9	100.0
≥ 0	23.3	50.0	61.6	70.7	80.1	84.7	91.5	93.8	94.9	97.4	98.0	98.0	98.3	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 352

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 12[illegible] STATION | SEMBACH AB OL STATION NAME | 65-68,76-81 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.4	16.1	18.3	19.9	20.8	23.5	25.5	26.0	26.6	27.1	27.1	27.1	27.3	27.3	27.3	27.5
≥ 20000	9.8	16.6	19.2	20.8	21.7	24.4	26.4	27.1	27.7	28.2	28.2	28.2	28.4	28.4	28.4	28.6
≥ 18000	9.8	16.6	19.2	20.8	21.7	24.4	26.4	27.1	27.7	28.2	28.2	28.2	28.4	28.4	28.4	28.6
≥ 16000	9.8	16.6	19.2	20.8	21.7	24.4	26.4	27.1	27.7	28.2	28.2	28.2	28.4	28.4	28.4	28.6
≥ 14000	9.8	16.6	19.5	21.0	21.9	24.6	26.6	27.3	28.0	28.4	28.4	28.4	28.6	28.6	28.6	28.9
≥ 12000	10.5	17.2	20.1	21.7	22.6	25.3	27.3	28.0	28.6	29.1	29.1	29.1	29.3	29.3	29.3	29.5
≥ 10000	10.7	17.9	20.8	22.6	23.5	26.2	28.2	28.9	29.5	30.0	30.0	30.0	30.2	30.2	30.2	30.4
≥ 9000	10.7	18.1	21.0	22.8	23.7	26.4	28.4	29.1	30.0	30.4	30.4	30.4	30.6	30.6	30.6	30.9
≥ 8000	12.9	21.3	24.2	26.0	27.1	29.8	31.8	32.4	33.3	33.8	33.8	33.8	34.0	34.0	34.0	34.2
≥ 7000	13.0	22.4	25.3	28.6	30.0	33.3	35.3	36.0	36.9	37.6	37.6	37.6	37.8	37.8	37.8	38.2
≥ 6000	13.0	23.5	26.4	30.2	31.8	35.3	37.4	38.0	38.9	39.6	39.6	39.6	39.8	39.8	39.8	40.0
≥ 5000	13.6	24.8	27.7	31.5	33.1	36.7	38.7	39.4	40.3	40.9	40.9	40.9	41.2	41.4	41.4	41.6
≥ 4500	15.2	27.5	30.4	34.2	36.0	39.6	41.6	42.5	43.6	44.3	44.5	44.7	45.0	45.2	45.2	45.4
≥ 4000	15.9	29.8	32.7	36.7	38.7	42.3	44.5	45.4	46.8	47.4	47.7	47.9	48.1	48.3	48.3	48.5
≥ 3500	17.0	32.2	35.1	40.7	42.7	47.2	50.3	51.2	52.6	53.2	53.5	53.7	53.9	54.1	54.1	54.4
≥ 3000	18.1	34.7	37.8	44.1	46.8	51.2	54.4	55.5	56.8	57.7	57.9	58.2	58.4	58.6	58.6	58.8
≥ 2500	20.1	37.1	40.5	47.4	50.8	55.3	59.1	60.2	61.5	62.4	62.6	62.9	63.1	63.3	63.3	63.5
≥ 2000	23.3	41.4	45.4	53.0	56.6	61.1	64.9	66.0	67.3	68.2	68.5	68.7	68.9	69.1	69.1	69.4
≥ 1800	23.9	42.5	46.8	54.4	58.6	63.3	67.3	68.5	69.8	70.7	70.9	71.1	71.4	71.6	71.6	71.8
≥ 1500	23.9	43.1	47.7	56.2	61.3	66.0	70.2	71.4	72.7	73.6	73.8	74.0	74.3	74.5	74.5	74.7
≥ 1200	24.6	44.3	49.7	59.5	64.7	69.4	74.3	76.1	77.6	78.5	78.7	79.0	79.2	79.4	79.4	79.6
≥ 1000	25.7	45.9	51.5	61.5	67.3	72.3	77.2	79.0	80.5	81.4	81.7	81.9	82.1	82.3	82.3	82.6
≥ 900	26.2	47.0	52.6	62.6	68.7	73.6	78.7	81.0	82.6	83.7	83.9	84.1	84.3	84.6	84.6	84.8
≥ 800	27.1	48.8	54.4	64.4	71.1	76.1	81.2	83.4	85.2	86.4	86.8	87.0	87.2	87.5	87.5	87.7
≥ 700	27.1	49.0	54.8	65.1	71.8	77.0	82.3	84.6	86.4	87.9	88.4	88.6	88.8	89.0	89.0	89.3
≥ 600	27.3	49.2	55.0	65.5	72.5	77.9	83.2	85.7	87.7	89.3	89.9	90.4	90.8	91.1	91.1	91.3
≥ 500	27.3	49.2	55.0	65.5	72.9	78.7	84.6	87.5	89.7	91.3	92.2	92.6	93.1	93.3	93.3	93.5
≥ 400	27.3	49.2	55.0	66.0	73.6	79.9	86.1	89.3	91.7	93.3	94.2	94.6	95.1	95.3	95.5	95.7
≥ 300	27.3	49.2	55.2	66.0	73.8	80.1	86.4	89.7	92.6	94.2	95.3	95.7	96.2	96.9	97.1	97.3
≥ 200	27.3	49.2	55.2	66.0	73.8	80.1	86.4	89.7	92.6	94.2	96.2	96.6	97.1	97.8	98.0	98.9
≥ 100	27.3	49.2	55.0	66.0	73.8	80.1	86.4	89.7	92.6	94.4	96.4	96.9	97.3	98.2	98.4	99.4
≥ 0	27.3	49.2	55.0	66.0	73.8	80.1	86.4	89.7	92.6	94.4	96.4	96.9	97.3	98.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 447

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥¼	≥5/16	≥0
NO CEILING	7.9	11.7	13.5	14.6	16.9	17.7	19.5	22.0	23.1	23.6	24.0	24.4	25.0	25.4	25.6	26.0
≥ 20000	8.4	12.6	14.9	16.3	18.5	19.3	21.1	23.9	25.0	25.6	26.0	26.4	26.9	27.3	27.5	28.2
≥ 18000	8.4	12.6	14.9	16.3	18.5	19.3	21.1	23.9	25.0	25.6	26.0	26.4	26.9	27.3	27.5	28.2
≥ 16000	8.4	12.6	14.9	16.3	18.5	19.3	21.1	23.9	25.0	25.6	26.0	26.4	26.9	27.3	27.5	28.2
≥ 14000	8.6	12.7	15.1	16.4	18.6	19.5	21.3	24.0	25.1	25.7	26.1	26.5	27.1	27.5	27.6	28.3
≥ 12000	8.8	13.0	15.3	16.7	19.1	19.9	21.7	24.6	25.7	26.2	26.7	27.1	27.6	28.0	28.2	28.9
≥ 10000	9.4	13.7	16.3	17.7	20.0	20.9	22.8	25.8	26.9	27.5	27.9	28.3	28.9	29.3	29.4	30.1
≥ 9000	9.5	13.8	16.4	17.8	20.2	21.3	23.3	26.4	27.5	28.0	28.5	28.9	29.4	29.8	30.0	30.8
≥ 8000	9.8	14.4	17.0	18.5	20.9	22.1	24.2	27.2	28.3	29.0	29.6	30.0	30.5	31.2	31.4	32.2
≥ 7000	9.9	14.8	17.5	19.1	21.5	23.2	25.4	28.6	29.7	30.5	31.1	31.5	32.0	32.7	32.9	33.7
≥ 6000	10.1	16.7	19.6	21.3	23.8	25.4	27.6	30.8	31.9	32.9	33.4	33.8	34.4	35.1	35.2	36.2
≥ 5000	10.3	17.3	20.2	21.8	24.3	26.0	28.2	31.4	32.5	33.4	34.0	34.4	34.9	35.6	35.8	36.7
≥ 4500	10.8	18.2	21.1	22.9	25.4	27.1	29.4	32.7	33.8	34.8	35.4	35.8	36.3	37.0	37.2	38.1
≥ 4000	11.6	19.9	22.9	25.1	28.3	30.0	32.5	36.0	37.2	38.3	38.8	39.2	39.8	40.5	40.6	41.6
≥ 3500	12.7	22.1	25.3	27.8	31.2	32.9	35.8	39.8	40.9	42.4	43.0	43.4	43.9	44.8	44.9	45.9
≥ 3000	13.4	23.1	26.9	29.8	33.6	35.4	38.5	42.5	43.6	45.6	46.1	46.5	47.1	48.1	48.2	49.2
≥ 2500	17.1	28.3	32.5	35.9	39.8	41.6	45.3	49.4	50.7	52.6	53.2	53.6	54.1	55.2	55.4	56.4
≥ 2000	19.1	31.1	35.6	39.4	43.8	45.6	49.4	54.0	55.4	57.3	57.9	58.3	58.8	59.9	60.1	61.2
≥ 1800	19.5	31.5	36.3	40.1	44.6	46.4	50.4	55.1	56.5	58.4	59.0	59.4	59.9	61.0	61.2	62.2
≥ 1500	20.3	34.0	39.0	43.2	48.8	50.8	55.1	60.4	61.9	63.8	64.4	64.8	65.3	66.4	66.6	67.5
≥ 1200	22.7	36.0	42.0	47.1	54.3	56.5	61.3	67.3	69.2	71.5	72.1	72.5	73.1	74.2	74.3	75.2
≥ 1000	22.8	36.3	42.7	48.5	56.5	59.0	64.0	70.0	72.0	74.3	74.9	75.3	75.8	76.9	77.1	78.2
≥ 900	22.9	36.5	43.1	49.0	57.3	59.9	65.5	71.5	73.5	76.1	76.7	77.1	77.6	78.7	78.9	79.8
≥ 800	23.3	37.4	43.9	50.4	59.8	62.4	68.4	74.7	77.1	79.8	80.4	80.8	81.4	82.5	82.6	83.6
≥ 700	23.5	37.7	44.3	51.1	60.5	63.4	69.6	76.1	78.9	81.8	82.3	82.9	83.4	84.5	84.7	85.6
≥ 600	23.8	38.0	44.6	51.8	61.7	64.8	71.4	78.0	81.2	84.4	85.1	85.6	86.2	87.3	87.4	88.4
≥ 500	23.9	38.0	44.9	52.1	63.3	67.0	73.9	80.5	83.8	87.6	88.3	89.0	89.8	90.9	91.0	92.0
≥ 400	23.8	38.0	44.9	52.1	63.4	67.3	74.4	81.1	84.4	88.4	89.2	89.9	90.9	92.0	92.4	93.4
≥ 300	23.8	38.0	44.9	52.1	63.5	67.4	75.1	81.8	85.1	89.2	90.1	90.7	91.7	92.8	93.2	94.2
≥ 200	23.8	38.0	44.9	52.1	63.5	67.4	75.1	82.0	85.6	90.1	91.2	92.1	93.8	95.7	96.1	97.7
≥ 100	23.8	38.0	44.9	52.1	63.5	67.4	75.1	82.0	85.6	90.1	91.2	92.1	93.8	95.7	96.3	98.3
≥ 0	23.8	38.0	44.9	52.1	63.5	67.4	75.1	82.0	85.6	90.1	91.2	92.1	93.8	95.7	96.3	98.3

TOTAL NUMBER OF OBSERVATIONS 724

USAF ETAC FORM JUL 66 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	7.8	11.1	11.9	12.9	16.5	17.2	18.0	20.0	20.7	21.0	21.3	21.4	21.4	21.6	21.8	22.5
≥ 20000	9.7	13.1	14.1	15.0	18.9	19.6	20.8	22.7	23.4	23.9	24.2	24.3	24.3	24.5	24.6	25.4
≥ 18000	9.7	13.1	14.2	15.1	19.0	19.7	20.9	22.8	23.6	24.0	24.3	24.4	24.4	24.6	24.8	25.5
≥ 16000	9.7	13.1	14.2	15.1	19.0	19.7	20.9	22.8	23.6	24.0	24.3	24.4	24.4	24.6	24.8	25.5
≥ 14000	10.1	13.5	14.5	15.6	19.5	20.2	21.4	23.3	24.0	24.5	24.8	24.9	24.9	25.1	25.2	26.0
≥ 12000	10.9	14.4	15.5	16.6	20.4	21.2	22.4	24.4	25.1	25.6	25.8	26.0	26.0	26.2	26.3	27.0
≥ 10000	11.9	16.0	17.1	18.1	22.0	22.7	24.0	26.4	27.2	27.8	28.0	28.1	28.1	28.5	28.6	29.4
≥ 9000	12.9	16.9	18.0	19.1	23.0	23.7	25.0	27.4	28.1	28.7	29.2	29.3	29.4	29.8	29.9	30.8
≥ 8000	13.7	18.4	19.7	21.0	24.9	25.6	26.9	29.3	30.3	31.0	31.5	31.9	32.2	32.8	32.9	33.8
≥ 7000	14.3	19.4	20.7	22.0	26.2	26.9	28.2	30.9	32.0	32.8	33.3	33.7	34.0	34.6	34.7	35.6
≥ 6000	15.1	20.9	22.4	23.9	28.2	29.1	30.6	33.5	34.6	35.5	35.9	36.3	36.7	37.3	37.4	38.3
≥ 5000	16.1	21.9	23.4	25.1	30.2	31.0	32.6	35.5	36.5	37.4	37.9	38.2	38.6	39.2	39.3	40.3
≥ 4500	16.8	23.1	24.6	26.3	31.5	32.3	34.0	37.0	38.2	39.1	39.5	39.9	40.4	41.0	41.1	42.1
≥ 4000	17.4	23.7	25.5	27.2	32.6	33.7	35.7	38.8	40.0	40.9	41.3	41.8	42.3	42.9	43.0	44.0
≥ 3500	18.8	25.1	27.0	29.0	34.7	35.8	38.0	41.3	42.7	43.6	44.1	44.6	45.1	45.7	45.8	46.8
≥ 3000	20.6	27.3	29.6	31.5	37.6	38.7	41.0	44.6	45.9	46.9	47.5	48.1	48.6	49.4	49.5	50.5
≥ 2500	22.6	30.0	32.5	34.6	41.3	42.4	44.8	48.6	49.9	51.0	51.6	52.2	52.6	53.5	53.6	54.6
≥ 2000	25.0	33.3	35.8	38.3	45.8	47.0	49.8	53.6	55.2	56.4	57.0	57.6	58.1	58.9	59.0	60.2
≥ 1800	25.7	34.3	36.9	39.5	47.0	48.3	51.3	55.3	56.9	58.1	58.7	59.3	59.7	60.6	60.7	61.7
≥ 1500	27.8	37.1	40.1	42.9	50.8	52.3	55.9	60.1	61.8	63.1	63.8	64.4	64.9	65.7	65.9	66.8
≥ 1200	28.4	38.6	42.3	45.7	55.9	57.6	61.4	67.2	69.0	70.7	71.4	72.0	72.5	73.3	73.4	74.4
≥ 1000	29.1	39.8	44.0	47.7	58.4	60.5	65.0	71.5	73.6	75.5	76.2	76.8	77.3	78.1	78.2	79.2
≥ 900	29.6	40.6	45.0	48.9	59.9	62.0	66.7	73.6	75.7	77.9	78.6	79.2	79.7	80.5	80.6	81.6
≥ 800	29.8	41.6	46.5	50.7	62.0	64.4	69.4	76.3	79.1	81.3	82.3	82.9	83.4	84.3	84.4	85.3
≥ 700	30.0	41.8	47.0	51.2	62.6	65.0	70.4	77.8	80.5	83.1	84.1	84.7	85.2	86.1	86.2	87.1
≥ 600	30.0	41.8	47.0	51.2	62.9	66.0	72.1	80.3	83.4	86.2	87.3	87.9	88.5	89.3	89.4	90.4
≥ 500	30.0	41.8	47.0	51.2	63.3	66.6	72.8	81.1	84.4	87.3	88.7	89.3	90.0	90.9	91.0	91.9
≥ 400	30.0	41.8	47.0	51.2	63.3	66.8	73.3	81.7	85.1	88.3	89.9	90.7	91.7	92.8	92.9	93.9
≥ 300	30.0	41.8	47.0	51.2	63.3	66.9	73.6	82.1	85.7	89.3	91.2	92.3	93.4	94.6	94.7	95.8
≥ 200	30.0	41.8	47.0	51.2	63.3	66.9	73.6	82.1	85.7	89.5	91.5	92.7	93.9	96.3	96.4	96.7
≥ 100	30.0	41.8	47.0	51.2	63.3	66.9	73.6	82.1	85.7	89.5	91.5	92.7	93.9	96.5	96.8	100.0
≥ 0	30.0	41.8	47.0	51.2	63.3	66.9	73.6	82.1	85.7	89.5	91.5	92.7	93.9	96.5	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	9.5	12.6	14.5	17.2	19.3	19.8	21.0	21.7	21.9	22.7	22.7	22.7	22.7	22.9	22.9	23.0
≥ 20000	11.5	14.6	16.6	19.2	21.5	22.2	23.9	24.6	24.7	25.6	25.6	25.6	25.6	25.8	25.8	25.9
≥ 18000	12.1	15.4	17.4	20.0	22.3	23.0	24.7	25.6	25.7	26.7	26.7	26.7	26.7	26.9	26.9	27.0
≥ 16000	12.1	15.4	17.4	20.0	22.3	23.0	24.7	25.6	25.7	26.7	26.7	26.7	26.7	26.9	26.9	27.0
≥ 14000	12.7	16.0	18.0	20.6	22.9	23.6	25.3	26.2	26.3	27.3	27.3	27.3	27.3	27.5	27.5	27.6
≥ 12000	13.8	17.0	19.1	21.7	24.0	24.7	26.4	27.3	27.4	28.3	28.3	28.3	28.3	28.6	28.6	28.7
≥ 10000	14.9	18.4	20.4	23.2	25.6	26.3	28.0	28.9	29.1	30.0	30.0	30.0	30.0	30.3	30.3	30.4
≥ 9000	15.6	19.2	21.2	24.1	26.5	27.3	28.9	29.9	30.0	31.0	31.0	31.0	31.0	31.2	31.2	31.3
≥ 8000	17.0	21.0	23.2	26.4	29.1	29.8	31.5	32.5	32.7	33.7	33.7	33.7	33.7	34.1	34.1	34.2
≥ 7000	18.0	22.3	24.8	28.1	31.0	31.7	33.4	34.5	34.6	35.7	35.7	35.7	35.7	36.0	36.0	36.1
≥ 6000	19.2	24.0	26.5	29.8	32.7	33.4	35.3	36.5	36.6	37.7	37.7	37.7	37.7	38.1	38.1	38.2
≥ 5000	20.9	25.9	28.6	31.9	35.7	36.4	38.5	39.9	40.1	41.2	41.2	41.2	41.2	41.5	41.5	41.7
≥ 4500	21.8	27.0	29.7	33.1	36.9	37.6	40.0	41.3	41.5	42.6	42.6	42.6	42.6	43.0	43.0	43.1
≥ 4000	24.1	29.7	32.5	36.3	40.2	40.9	43.5	44.8	45.0	46.2	46.2	46.2	46.2	46.6	46.6	46.7
≥ 3500	26.1	32.2	35.1	38.8	43.1	43.8	46.3	47.7	48.0	49.2	49.2	49.2	49.2	49.6	49.6	49.7
≥ 3000	27.9	34.8	37.8	41.7	46.2	47.1	49.7	51.4	51.7	52.9	52.9	52.9	52.9	53.4	53.4	53.5
≥ 2500	29.9	38.2	41.2	45.1	50.3	51.5	54.4	56.2	56.5	57.7	57.7	57.7	57.7	58.2	58.2	58.3
≥ 2000	33.4	43.1	46.3	50.8	56.9	57.7	60.9	63.0	63.4	64.6	64.6	64.6	64.6	65.1	65.1	65.2
≥ 1800	33.9	43.9	47.4	52.1	58.2	59.7	62.8	64.9	65.3	66.5	66.5	66.5	66.5	67.0	67.0	67.1
≥ 1500	34.8	45.6	49.9	55.3	62.1	63.7	67.2	69.6	70.0	71.4	71.4	71.4	71.4	71.9	71.9	72.0
≥ 1200	37.5	48.6	53.7	60.1	68.3	70.2	74.5	77.7	78.3	80.0	80.0	80.0	80.0	80.4	80.4	80.6
≥ 1000	37.6	48.9	54.3	61.2	70.2	72.7	77.8	81.4	82.1	83.9	83.9	83.9	83.9	84.4	84.4	84.5
≥ 700	37.6	48.9	54.3	61.6	70.9	73.7	79.1	83.0	83.8	85.6	85.6	85.6	85.6	86.1	86.1	86.2
≥ 800	37.8	49.7	55.3	63.0	72.9	75.6	81.2	85.1	86.1	88.0	88.0	88.1	88.1	88.6	88.6	88.7
≥ 700	38.2	50.1	55.9	63.6	74.1	76.8	82.6	86.6	87.5	89.8	89.8	90.0	90.0	90.5	90.5	90.6
≥ 600	38.2	50.3	56.2	63.9	74.5	77.7	83.9	88.5	89.4	92.3	92.3	92.6	92.6	93.0	93.0	93.2
≥ 500	38.2	50.3	56.3	64.1	75.2	78.4	84.8	89.3	90.5	93.9	93.9	94.1	94.1	94.7	94.7	94.8
≥ 400	38.2	50.4	56.4	64.2	75.5	79.0	85.8	91.0	92.6	96.3	96.5	96.9	97.0	97.6	97.6	97.7
≥ 300	38.2	50.4	56.4	64.2	75.5	79.0	86.0	91.1	93.2	97.1	97.5	97.8	98.1	99.0	99.3	99.4
≥ 200	38.2	50.4	56.4	64.2	75.5	79.0	86.0	91.1	93.2	97.1	97.6	98.0	98.2	99.3	99.6	99.9
≥ 100	38.2	50.4	56.4	64.2	75.5	79.0	86.0	91.1	93.2	97.1	97.6	98.0	98.2	99.4	99.8	100.0
≥ 0	38.2	50.4	56.4	64.2	75.5	79.0	86.0	91.1	93.2	97.1	97.6	98.0	98.2	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 833

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7130 (STATION) | SEMBACH AB DL (STATION NAME) | 65-68,76-81 (YEARS) | FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	12.4	17.5	19.9	22.7	24.6	25.5	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 20000	15.4	20.5	23.3	26.0	28.6	29.8	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 18000	16.4	21.4	24.2	27.0	29.8	31.0	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 16000	16.5	21.6	24.3	27.1	29.9	31.1	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 14000	16.9	21.9	24.7	27.5	30.2	31.4	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 12000	17.5	22.5	25.3	28.1	30.8	32.0	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 10000	18.6	24.1	26.9	29.6	32.4	33.6	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 9000	19.4	25.1	27.8	30.6	33.4	34.6	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 8000	21.9	27.7	30.5	33.4	36.4	37.6	40.1	40.2	40.2	40.2	40.5	40.5	40.5	40.5	40.5	40.5
≥ 7000	23.3	30.0	32.8	35.8	38.8	40.1	42.7	42.9	42.9	43.0	43.3	43.3	43.3	43.3	43.3	43.3
≥ 6000	24.9	31.9	34.7	37.7	40.8	42.2	44.8	45.1	45.1	45.2	45.4	45.4	45.4	45.4	45.4	45.4
≥ 5000	26.7	34.2	37.3	40.5	43.7	45.2	47.8	48.2	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6
≥ 4500	27.7	35.8	39.2	42.3	45.5	47.0	49.6	50.0	50.0	50.1	50.4	50.4	50.4	50.4	50.4	50.4
≥ 4000	29.8	38.1	41.8	45.2	48.4	49.9	52.9	53.3	53.4	53.5	53.7	53.7	53.7	53.7	53.7	53.7
≥ 3500	31.9	40.7	44.6	48.3	51.8	53.3	56.3	56.6	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3000	34.2	44.0	48.0	51.7	55.7	57.1	60.4	60.8	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2500	35.5	46.6	51.4	55.4	59.8	61.3	64.8	65.3	65.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9
≥ 2000	38.1	49.6	55.2	59.5	64.5	66.0	69.5	70.2	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8
≥ 1800	38.4	50.4	55.9	60.4	65.5	67.2	70.8	71.6	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1500	39.5	52.0	58.0	62.9	68.1	70.0	74.2	75.4	75.8	76.0	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1200	41.4	54.7	61.3	66.3	73.4	75.3	79.9	82.0	82.5	82.9	83.1	83.4	83.4	83.4	63.4	83.4
≥ 1000	42.3	55.7	63.0	68.3	76.4	78.8	83.5	86.0	86.7	87.2	87.5	87.7	87.7	87.7	87.7	87.7
≥ 900	42.3	55.8	63.3	68.6	77.3	80.0	85.1	87.6	88.3	89.0	89.4	89.8	89.8	89.8	89.8	89.8
≥ 800	42.5	56.4	63.9	69.3	78.8	81.4	86.5	89.0	89.8	90.5	90.8	91.2	91.2	91.2	91.2	91.2
≥ 700	42.5	56.5	64.0	69.6	79.8	82.7	87.8	90.5	91.2	91.9	92.4	92.8	92.8	92.8	92.8	92.8
≥ 600	42.5	56.5	64.1	69.8	80.0	83.0	88.2	91.0	91.7	92.9	93.4	93.9	93.9	93.9	93.9	93.9
≥ 500	42.7	56.6	64.3	70.0	80.6	83.6	88.9	91.9	93.3	95.2	95.7	96.1	96.1	96.1	96.1	96.1
≥ 400	42.7	56.6	64.3	70.0	80.6	83.6	89.2	92.8	94.2	97.0	97.5	98.1	98.1	98.4	98.6	98.6
≥ 300	42.7	56.6	64.3	70.0	80.6	83.6	89.2	93.0	94.6	97.5	98.0	98.6	98.8	99.3	99.5	99.5
≥ 200	42.7	56.6	64.3	70.0	80.6	83.6	89.2	93.0	94.6	97.6	98.1	98.8	99.2	99.6	99.9	99.9
≥ 100	42.7	56.6	64.3	70.0	80.6	83.6	89.2	93.0	94.6	97.6	98.1	98.8	99.2	99.6	99.9	99.9
≥ 0	42.7	56.6	64.3	70.0	80.6	83.6	89.2	93.1	94.7	97.7	98.2	98.9	99.3	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.2	18.3	19.9	22.1	26.6	27.3	27.5	28.7	28.7	28.7	28.7	28.9	29.3	29.5	29.5	29.5
≥ 20000	15.6	20.9	22.3	24.9	30.0	30.7	31.2	32.5	32.5	32.5	32.5	32.8	33.2	33.4	33.5	33.5
≥ 18000	16.0	21.4	22.8	25.5	30.6	31.3	31.7	33.1	33.1	33.1	33.1	33.4	33.8	33.9	34.1	34.1
≥ 16000	16.0	21.4	22.8	25.5	30.6	31.3	31.7	33.1	33.1	33.1	33.1	33.4	33.8	33.9	34.1	34.1
≥ 14000	16.4	21.8	23.2	25.9	31.2	31.8	32.3	33.7	33.7	33.7	33.7	33.9	34.4	34.5	34.6	34.6
≥ 12000	16.6	22.0	23.4	26.0	31.3	32.0	32.4	33.8	33.8	33.8	33.8	34.1	34.5	34.6	34.8	34.8
≥ 10000	17.1	23.2	24.6	27.3	32.7	33.4	33.8	35.2	35.2	35.2	35.2	35.5	35.9	36.0	36.2	36.2
≥ 9000	17.8	24.8	26.3	29.1	34.5	35.3	36.0	37.6	37.6	37.6	37.6	37.8	38.2	38.4	38.5	38.5
≥ 8000	19.7	27.1	28.7	31.4	37.0	38.0	39.1	41.0	41.3	41.3	41.3	41.6	42.0	42.1	42.3	42.3
≥ 7000	20.4	29.2	30.7	33.8	39.5	40.8	42.1	44.4	44.6	44.8	44.8	45.1	45.5	45.6	45.8	45.8
≥ 6000	21.0	30.3	31.8	35.2	41.2	42.4	43.8	46.0	46.3	46.5	46.5	46.7	47.1	47.3	47.4	47.4
≥ 5000	22.3	32.1	33.8	37.8	44.1	45.3	46.7	49.0	49.4	49.5	49.5	49.8	50.2	50.3	50.5	50.5
≥ 4500	23.6	33.7	35.7	39.9	46.6	48.0	49.4	51.7	52.2	52.3	52.3	52.6	53.0	53.1	53.3	53.3
≥ 4000	25.6	36.0	38.1	42.7	49.7	51.0	52.4	54.8	55.4	55.5	55.5	55.8	56.2	56.3	56.5	56.5
≥ 3500	26.4	38.4	40.8	45.5	53.0	54.5	56.1	58.4	59.1	59.2	59.2	59.5	59.9	60.1	60.2	60.2
≥ 3000	28.2	41.9	45.3	50.3	59.2	60.8	62.6	65.0	65.6	65.8	65.8	66.1	66.5	66.6	66.9	66.8
≥ 2500	30.0	44.4	48.1	53.1	62.9	64.4	66.5	68.8	69.5	69.7	69.8	70.1	70.5	70.7	70.8	70.8
≥ 2000	31.0	46.0	50.3	55.9	66.2	67.9	70.1	72.6	73.3	73.7	73.9	74.3	74.7	74.8	75.0	75.0
≥ 1800	31.6	46.9	51.7	57.4	68.8	70.7	73.3	75.8	76.5	76.9	77.1	77.5	77.9	78.0	78.2	78.2
≥ 1500	31.6	47.7	52.7	58.6	70.4	72.3	75.4	78.6	79.7	80.1	80.3	80.7	81.1	81.2	81.4	81.4
≥ 1200	32.3	48.7	54.2	60.5	73.2	75.4	79.3	83.0	84.1	84.6	84.7	85.1	85.5	85.7	85.8	85.8
≥ 1000	32.7	49.2	55.1	61.6	75.0	77.6	81.8	85.5	86.6	87.1	87.2	87.6	88.0	88.2	88.3	88.3
≥ 900	32.8	49.4	55.4	61.9	75.5	78.2	82.3	86.2	87.3	87.9	88.0	88.5	88.9	89.0	89.2	89.2
≥ 800	33.2	49.8	55.8	62.3	77.1	80.0	84.4	88.5	89.6	90.1	90.4	90.8	91.2	91.4	91.5	91.5
≥ 700	33.2	49.9	55.9	62.4	77.6	80.5	85.1	89.3	90.4	91.0	91.2	91.7	92.1	92.2	92.4	92.4
≥ 600	33.2	49.9	56.1	62.7	78.0	80.9	85.8	90.4	91.8	92.6	93.2	93.6	94.0	94.2	94.3	94.3
≥ 500	33.2	49.9	56.3	63.1	79.3	82.2	87.2	92.2	93.7	94.7	95.4	95.8	96.2	96.5	96.7	96.7
≥ 400	33.2	49.9	56.3	63.1	79.3	82.2	87.2	92.5	94.3	95.3	96.1	96.5	96.9	97.5	97.6	97.6
≥ 300	33.2	49.9	56.3	63.1	79.3	82.2	87.2	92.9	94.9	96.1	96.9	97.4	98.1	98.9	99.0	99.0
≥ 200	33.2	49.9	56.3	63.1	79.3	82.2	87.2	92.9	95.1	96.4	97.4	97.9	98.6	99.4	99.6	99.6
≥ 100	33.2	49.9	56.3	63.1	79.3	82.2	87.2	92.9	95.1	96.5	97.5	98.1	98.7	99.6	99.7	100.0
≥ 0	33.2	49.9	56.3	63.1	79.3	82.2	87.2	92.9	95.1	96.5	97.5	98.1	98.7	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 719

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 [illegible]12	SEMBACH AB DL	65-68,76-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0100-2300
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	13.5	20.6	21.6	24.3	29.3	29.7	31.9	33.1	33.4	33.6	33.7	33.9	34.1	34.1	34.6	34.7
≥ 20000	14.8	22.1	23.6	26.3	32.2	32.5	34.9	36.1	36.4	36.6	36.8	36.9	37.1	37.1	37.6	37.8
≥ 18000	15.3	22.6	24.1	26.8	32.9	33.2	35.6	36.8	37.1	37.3	37.4	37.6	37.8	37.8	38.3	38.4
≥ 16000	15.3	22.6	24.1	26.8	32.9	33.2	35.6	36.8	37.1	37.3	37.4	37.6	37.8	37.8	38.3	38.4
≥ 14000	15.3	22.6	24.1	26.8	32.9	33.2	35.6	36.8	37.1	37.3	37.4	37.6	37.8	37.8	38.3	38.4
≥ 12000	15.3	22.8	24.3	27.0	33.1	33.4	35.8	36.9	37.3	37.4	37.6	37.8	37.9	37.9	38.4	38.6
≥ 10000	15.3	23.4	25.0	27.7	34.2	34.7	37.1	38.3	38.6	38.8	39.0	39.1	39.3	39.3	39.8	40.0
≥ 9000	15.5	24.3	25.8	28.8	35.4	36.1	38.4	39.6	40.0	40.1	40.3	40.5	40.6	40.6	41.1	41.3
≥ 8000	16.5	26.1	27.7	30.9	37.6	38.3	40.8	42.3	42.7	42.8	43.0	43.2	43.3	43.3	43.8	44.0
≥ 7000	17.0	27.7	29.2	33.4	40.3	41.3	44.0	45.5	45.9	46.0	46.2	46.4	46.5	46.5	47.0	47.2
≥ 6000	18.3	30.0	31.7	36.1	43.3	44.4	47.0	48.6	48.9	49.1	49.2	49.4	49.6	49.6	50.1	50.3
≥ 5000	19.1	31.2	32.9	37.3	44.5	45.5	48.2	49.9	50.8	50.8	50.9	51.1	51.3	51.3	51.8	51.9
≥ 4500	19.6	32.2	34.1	38.6	46.4	47.4	50.1	51.8	52.3	52.6	52.8	53.0	53.1	53.1	53.6	53.8
≥ 4000	21.1	35.2	37.1	42.2	50.1	51.3	54.1	56.3	56.8	57.2	57.3	57.5	57.7	57.7	58.2	58.3
≥ 3500	22.3	37.6	39.8	45.2	54.0	55.3	58.2	60.5	61.0	61.4	61.6	61.7	61.9	61.9	62.4	62.6
≥ 3000	23.9	40.1	42.3	48.1	57.7	59.0	62.1	64.4	64.9	65.3	65.4	65.6	65.8	65.8	66.3	66.4
≥ 2500	24.5	41.1	43.7	49.9	60.4	61.7	64.8	67.1	67.6	68.0	68.1	68.3	68.5	68.5	69.0	69.1
≥ 2000	28.8	47.7	45.5	52.4	63.9	65.4	68.8	71.2	71.7	72.3	72.5	72.7	72.8	72.8	73.4	73.5
≥ 1800	25.1	42.0	46.0	53.0	64.9	66.4	70.5	72.8	73.4	74.0	74.2	74.4	74.5	74.5	75.0	75.2
≥ 1500	25.6	44.0	48.2	55.5	68.6	70.2	74.5	77.4	77.9	78.6	78.8	78.9	79.1	79.3	79.8	79.9
≥ 1200	26.6	45.9	50.4	58.7	73.2	74.9	79.9	82.8	83.3	84.0	84.3	84.5	84.7	85.0	85.5	85.7
≥ 1000	27.2	46.7	51.6	59.9	75.2	76.9	82.8	85.7	86.2	86.8	87.2	87.4	87.5	88.0	88.5	88.7
≥ 900	27.2	46.9	51.9	60.4	76.1	77.7	83.8	86.8	87.4	88.2	88.5	88.7	88.9	89.4	89.9	90.1
≥ 800	27.5	47.4	52.6	61.2	77.6	79.3	85.7	88.7	89.2	90.1	90.4	90.6	90.7	91.4	91.9	92.1
≥ 700	27.7	47.9	53.1	61.7	78.2	79.9	86.5	89.7	90.2	91.1	91.4	91.6	91.7	92.4	92.9	93.1
≥ 600	27.7	48.1	53.3	61.9	78.6	80.3	87.0	90.7	91.7	92.9	93.3	93.4	93.6	94.3	94.8	94.9
≥ 500	27.7	48.2	53.6	62.2	79.4	81.3	88.2	91.9	92.9	94.3	94.8	94.9	95.1	96.1	96.6	96.8
≥ 400	27.7	48.2	53.6	62.2	79.4	81.3	88.2	92.1	93.1	94.6	95.1	95.3	95.4	96.5	97.0	97.1
≥ 300	27.7	48.2	53.6	62.2	79.4	81.3	88.4	92.9	93.9	96.0	96.5	96.6	96.8	98.0	98.5	98.7
≥ 200	27.7	48.2	53.6	62.2	79.4	81.3	88.4	93.1	94.1	96.1	96.6	96.8	97.0	98.3	98.8	99.2
≥ 100	27.7	48.2	53.6	62.2	79.4	81.3	88.4	93.1	94.1	96.6	97.1	97.3	97.5	98.8	99.7	100.0
≥ 0	27.7	48.2	53.6	62.2	79.4	81.3	88.4	93.1	94.1	96.6	97.1	97.3	97.5	98.8	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 591

USAF ETAC FORM JUL 66 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

. 127 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	10.3	15.4	17.1	19.1	21.9	22.8	24.1	25.2	25.6	25.9	26.1	26.2	26.4	26.5	26.6	26.9
≥ 20000	12.0	17.2	19.2	21.3	24.5	25.4	27.1	28.2	28.6	29.0	29.1	29.2	29.4	29.6	29.7	30.0
≥ 18000	12.4	17.6	19.6	21.7	25.0	25.9	27.5	28.7	29.1	29.5	29.6	29.8	30.0	30.1	30.2	30.5
≥ 16000	12.4	17.7	19.6	21.7	25.0	26.0	27.6	28.8	29.2	29.6	29.7	29.8	30.0	30.2	30.3	30.5
≥ 14000	12.7	18.0	19.9	22.1	25.3	26.3	27.9	29.1	29.5	29.9	30.0	30.2	30.4	30.5	30.6	30.9
≥ 12000	13.3	18.6	20.6	22.7	26.0	27.0	28.6	29.8	30.2	30.6	30.7	30.8	31.0	31.2	31.3	31.6
≥ 10000	14.0	19.7	21.7	24.0	27.3	28.3	30.0	31.3	31.7	32.1	32.3	32.4	32.6	32.7	32.9	33.2
≥ 9000	14.5	20.6	22.6	24.9	28.3	29.4	31.1	32.4	32.8	33.2	33.4	33.5	33.7	33.9	34.0	34.3
≥ 8000	15.9	22.5	24.6	27.1	30.6	31.7	33.5	35.0	35.4	35.9	36.1	36.3	36.5	36.8	36.9	37.2
≥ 7000	16.6	23.9	26.1	29.0	32.7	34.1	35.9	37.5	38.0	38.6	38.8	38.9	39.2	39.5	39.6	39.9
≥ 6000	17.4	25.7	28.1	31.0	34.9	36.3	38.3	39.9	40.4	41.0	41.2	41.4	41.6	41.9	42.0	42.4
≥ 5000	18.5	27.1	29.5	32.7	36.9	38.3	40.4	42.1	42.6	43.2	43.5	43.6	43.9	44.1	44.3	44.6
≥ 4500	19.5	28.6	31.1	34.4	38.7	40.2	42.3	44.1	44.7	45.3	45.5	45.7	46.0	46.3	46.4	46.7
≥ 4000	20.9	30.6	33.2	36.8	41.4	42.9	45.3	47.2	47.8	48.5	48.7	48.9	49.2	49.5	49.6	49.9
≥ 3500	22.3	32.8	35.6	39.5	44.6	46.2	48.8	50.8	51.5	52.2	52.5	52.7	52.9	53.2	53.4	53.7
≥ 3000	23.9	35.3	38.4	42.6	48.2	49.9	52.6	54.8	55.5	56.3	56.5	56.8	57.0	57.4	57.6	57.9
≥ 2500	25.8	38.2	41.7	46.2	52.4	54.1	57.1	59.3	60.1	60.9	61.2	61.4	61.7	62.1	62.2	62.5
≥ 2000	27.8	41.0	45.0	50.0	56.8	58.6	61.8	64.2	65.0	65.9	66.2	66.4	66.7	67.1	67.2	67.5
≥ 1800	28.3	41.7	46.0	51.0	58.2	60.2	63.5	66.0	66.8	67.7	68.0	68.2	68.5	68.9	69.0	69.3
≥ 1500	29.2	43.5	48.2	53.6	61.5	63.6	67.4	70.2	71.1	72.1	72.4	72.6	72.9	73.3	73.4	73.8
≥ 1200	30.6	45.5	51.0	57.1	66.3	68.6	73.0	76.5	77.6	78.8	79.1	79.4	79.6	80.1	80.2	80.6
≥ 1000	31.1	46.3	52.2	58.7	68.7	71.3	76.1	79.9	81.1	82.3	82.6	82.9	83.2	83.6	83.8	84.1
≥ 900	31.3	46.6	52.7	59.3	69.7	72.5	77.5	81.5	82.7	84.1	84.4	84.7	85.0	85.4	85.6	85.9
≥ 800	31.7	47.5	53.7	60.5	71.6	74.4	79.6	83.8	85.2	86.6	87.0	87.4	87.6	88.1	88.2	88.6
≥ 700	31.8	47.7	54.1	61.1	72.4	75.3	80.8	85.1	86.5	88.2	88.6	89.0	89.2	89.7	89.8	90.2
≥ 600	31.9	47.9	54.3	61.3	72.9	76.0	81.8	86.5	88.2	90.2	90.7	91.1	91.4	91.9	92.0	92.3
≥ 500	31.9	47.9	54.5	61.6	73.7	77.1	83.1	87.9	89.8	92.1	92.8	93.2	93.5	94.1	94.2	94.6
≥ 400	31.9	47.9	54.5	61.7	73.8	77.4	83.7	88.8	90.8	93.5	94.2	94.7	95.1	95.8	96.0	96.4
≥ 300	31.9	47.9	54.5	61.7	73.9	77.4	83.9	89.2	91.5	94.4	95.2	95.7	96.3	97.1	97.4	97.8
≥ 200	31.9	47.9	54.5	61.7	73.9	77.4	83.9	89.3	91.6	94.6	95.6	96.2	96.9	98.1	98.4	99.2
≥ 100	31.9	47.9	54.5	61.7	73.9	77.4	83.9	89.3	91.6	94.7	95.7	96.3	97.0	98.3	98.6	100.0
≥ 0	31.9	47.9	54.5	61.7	73.9	77.4	83.9	89.3	91.7	94.7	95.7	96.3	97.0	98.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5330

USAF ETAC FORM JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120	SEMBACH AB DL	65-68,77-81	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	17.8	28.6	30.3	33.3	34.7	36.2	38.9	39.9	40.6	40.8	41.1	41.1	41.1	41.3	41.3	41.3
≥ 20000	19.6	30.3	32.0	35.0	36.4	37.9	40.6	41.6	42.3	42.5	42.8	42.8	42.8	43.0	43.0	43.0
≥ 18000	19.6	30.3	32.0	35.0	36.4	37.9	40.6	41.6	42.3	42.5	42.8	42.8	42.8	43.0	43.0	43.0
≥ 16000	19.6	30.3	32.0	35.0	36.4	37.9	40.6	41.6	42.3	42.5	42.8	42.8	42.8	43.0	43.0	43.0
≥ 14000	19.8	30.6	32.3	35.2	36.7	38.1	40.8	41.8	42.5	42.8	43.0	43.0	43.0	43.3	43.3	43.3
≥ 12000	19.8	31.1	32.8	35.7	37.2	38.6	41.3	42.3	43.0	43.3	43.5	43.5	43.5	43.8	43.8	43.8
≥ 10000	20.3	31.5	33.3	36.2	37.7	39.1	41.8	42.8	43.5	43.8	44.0	44.0	44.0	44.3	44.3	44.3
≥ 9000	20.8	32.5	34.2	37.2	38.6	40.8	43.5	44.5	45.2	45.5	45.7	45.7	45.7	46.0	46.0	46.0
≥ 8000	22.7	35.0	37.2	40.1	41.8	44.0	46.7	47.7	48.4	48.7	48.9	48.9	48.9	49.1	49.1	49.1
≥ 7000	24.0	37.4	39.9	43.3	45.2	47.7	50.4	51.3	52.1	52.3	52.6	52.6	52.6	52.8	52.8	52.8
≥ 6000	25.4	40.8	44.0	47.7	50.4	52.8	55.7	56.7	57.5	57.7	57.9	57.9	57.9	58.2	58.2	58.2
≥ 5000	25.9	41.8	45.7	49.4	52.1	54.8	57.7	58.7	59.4	59.7	59.9	59.9	59.9	60.1	60.1	60.1
≥ 4500	26.4	43.5	47.7	51.3	54.0	56.7	59.7	60.6	61.4	61.6	61.9	61.9	61.9	62.1	62.1	62.8
≥ 4000	26.9	45.0	49.6	53.3	56.2	59.2	62.1	63.1	63.8	64.1	64.3	64.3	64.3	64.5	64.5	65.3
≥ 3500	28.9	47.4	52.3	56.0	59.9	62.1	65.0	66.0	66.7	67.0	67.2	67.2	67.2	67.5	67.5	68.2
≥ 3000	29.8	50.1	55.3	59.4	62.3	65.5	68.5	69.4	70.2	70.4	70.7	70.7	70.7	70.9	70.9	71.6
≥ 2500	33.3	55.3	60.4	64.5	68.0	71.1	74.1	75.1	75.8	76.0	76.3	76.3	76.3	76.5	76.5	77.3
≥ 2000	34.2	58.9	65.0	69.4	73.6	76.8	79.7	80.7	81.4	81.7	82.2	82.2	82.2	82.4	82.4	83.1
≥ 1800	34.2	58.9	65.0	69.4	73.8	77.0	80.0	80.9	81.7	81.9	82.4	82.4	82.4	82.6	82.6	83.4
≥ 1500	35.7	61.1	68.0	73.1	77.5	80.7	84.1	85.1	85.8	86.1	86.6	86.6	86.6	86.8	86.8	87.5
≥ 1200	35.7	62.6	69.9	76.3	81.2	84.6	88.3	90.0	90.7	91.4	91.9	91.9	91.9	92.2	92.2	92.9
≥ 1000	35.7	62.8	70.7	77.5	82.9	86.3	90.0	91.9	92.7	93.4	93.9	93.9	93.9	94.1	94.1	94.9
≥ 900	35.7	63.1	70.9	78.5	84.1	87.5	91.4	93.4	94.1	94.9	95.4	95.4	95.4	95.6	95.6	96.3
≥ 800	35.7	63.3	71.1	79.2	84.8	88.3	92.2	94.1	94.9	95.6	96.1	96.1	96.1	96.3	96.3	97.1
≥ 700	35.7	63.6	71.4	80.0	85.6	89.0	92.9	94.9	95.8	96.6	97.1	97.1	97.1	97.3	97.3	98.0
≥ 600	35.7	63.6	71.9	80.4	86.1	89.5	93.4	95.4	96.3	97.1	97.6	97.6	97.6	97.8	97.8	98.5
≥ 500	35.7	63.8	72.1	80.9	86.6	90.0	93.9	95.8	96.8	97.6	98.3	98.3	98.3	98.5	98.5	99.3
≥ 400	35.7	63.8	72.1	80.9	86.6	90.0	93.9	95.8	96.8	98.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 300	35.7	63.8	72.1	80.9	86.6	90.0	93.9	95.8	96.8	98.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 200	35.7	63.8	72.1	80.9	86.6	90.0	93.9	95.8	96.8	98.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 100	35.7	63.8	72.1	80.9	86.6	90.0	93.9	95.8	96.8	98.0	99.0	99.0	99.0	99.3	99.3	100.0
≥ 0	35.7	63.8	72.1	80.9	86.6	90.0	93.9	95.8	96.8	98.0	99.0	99.0	99.0	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 409

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	14.9	21.6	22.8	24.4	25.7	25.9	28.1	28.7	28.7	29.9	30.3	30.3	30.3	30.5	30.5	31.3
≥ 20000	17.3	24.4	25.7	27.5	28.9	29.3	31.4	32.0	32.0	33.2	33.6	33.6	33.6	33.8	33.8	34.6
≥ 18000	17.3	24.4	25.7	27.7	29.1	29.5	31.6	32.2	32.2	33.4	33.8	33.8	33.8	34.0	34.0	34.8
≥ 16000	17.3	24.4	25.7	27.7	29.1	29.5	31.6	32.2	32.2	33.4	33.8	33.8	33.8	34.0	34.0	34.8
≥ 14000	17.3	24.4	25.7	27.7	29.1	29.5	31.6	32.2	32.2	33.6	34.0	34.0	34.0	34.2	34.2	35.0
≥ 12000	17.3	24.4	25.7	27.7	29.3	29.7	31.8	32.4	32.4	33.8	34.2	34.2	34.2	34.4	34.4	35.2
≥ 10000	17.3	24.4	25.7	27.7	29.9	30.3	32.4	33.0	33.0	34.4	34.8	34.8	34.8	35.0	35.0	35.8
≥ 9000	17.9	25.0	26.5	28.5	30.6	31.2	33.4	34.0	34.0	35.4	35.8	35.8	35.8	36.0	36.0	36.7
≥ 8000	19.1	26.7	28.3	30.3	32.6	33.2	35.8	36.3	36.3	37.7	38.1	38.1	38.1	38.3	38.3	39.1
≥ 7000	20.2	28.5	30.3	32.2	35.0	36.0	38.5	39.1	39.1	40.5	40.9	40.9	40.9	41.1	41.1	41.8
≥ 6000	21.8	31.2	33.0	35.0	37.9	39.3	42.0	42.6	42.6	44.0	44.4	44.4	44.4	44.6	44.6	45.4
≥ 5000	23.4	33.2	35.4	37.5	40.7	42.2	45.0	45.6	45.6	47.3	47.7	47.9	47.9	48.1	48.1	48.9
≥ 4500	24.6	34.4	36.9	39.3	42.8	44.6	48.1	48.7	49.1	50.9	51.3	51.5	51.5	51.7	51.7	52.7
≥ 4000	25.5	35.6	38.1	40.5	44.2	46.0	49.5	50.1	50.5	52.3	52.7	52.8	52.8	53.0	53.0	54.0
≥ 3500	28.3	39.5	42.6	45.6	49.3	51.3	54.8	55.4	55.8	57.6	58.0	58.2	58.2	58.3	58.3	59.3
≥ 3000	29.9	42.0	45.8	48.7	52.5	55.2	58.9	59.5	59.9	61.7	62.1	62.3	62.3	62.5	62.5	63.5
≥ 2500	31.0	46.4	50.9	54.6	58.7	61.5	65.4	66.0	66.4	68.2	68.6	68.8	68.8	69.0	69.0	69.9
≥ 2000	33.4	50.9	56.8	61.3	65.4	68.2	72.1	72.7	73.1	74.9	75.2	75.6	75.6	75.8	75.8	76.8
≥ 1800	33.4	51.9	58.2	62.7	66.8	69.7	73.9	74.7	75.0	76.8	77.2	77.6	77.6	77.8	77.8	78.8
≥ 1500	34.4	53.4	60.1	64.8	69.4	72.7	76.8	77.6	78.0	79.8	80.2	80.6	80.6	80.7	80.7	81.7
≥ 1200	35.6	57.2	65.0	70.9	76.0	79.6	83.9	84.7	85.1	86.8	87.2	87.6	87.6	87.8	87.8	88.8
≥ 1000	35.8	57.8	65.8	72.5	78.2	82.1	86.6	87.4	87.8	89.6	90.0	90.4	90.4	90.6	90.6	91.6
≥ 900	35.8	58.2	66.2	72.9	79.0	82.9	87.4	88.2	88.6	90.4	90.8	91.2	91.2	91.4	91.4	92.3
≥ 800	35.8	58.7	67.0	74.1	80.6	84.7	89.4	90.4	91.2	92.9	93.3	93.7	93.7	93.9	93.9	94.9
≥ 700	35.8	58.7	67.1	74.5	81.3	86.2	91.0	91.9	92.7	94.5	94.9	95.5	95.5	95.7	95.7	96.7
≥ 600	35.8	58.9	67.4	74.9	82.1	87.0	91.7	92.7	93.5	95.3	95.7	96.3	96.3	96.5	96.5	97.4
≥ 500	35.8	58.9	67.4	74.9	82.1	87.0	91.9	92.9	93.7	95.5	95.9	96.5	96.5	96.7	96.7	97.6
≥ 400	35.8	58.9	67.4	74.9	82.1	87.0	91.9	92.9	93.7	96.1	96.5	97.1	97.1	97.2	97.2	98.2
≥ 300	35.8	58.9	67.4	74.9	82.3	87.2	92.3	93.3	94.1	96.5	96.9	97.4	97.4	97.6	97.6	98.6
≥ 200	35.8	58.9	67.4	74.9	82.3	87.2	92.7	93.9	94.7	97.2	97.6	98.4	98.4	98.6	99.0	100.0
≥ 100	35.8	58.9	67.4	74.9	82.3	87.2	92.7	93.9	94.7	97.2	97.6	98.4	98.4	98.6	99.0	100.0
≥ 0	35.8	58.9	67.4	74.9	82.3	87.2	92.7	93.9	94.7	97.2	97.6	98.4	98.4	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 509

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0900 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	14.9	19.7	21.6	22.3	24.6	24.8	25.7	26.4	26.8	27.8	28.2	28.3	29.4	28.8	28.8	29.2
≥ 20000	17.7	22.7	24.6	25.3	27.5	27.8	29.3	30.1	30.5	31.5	31.9	32.0	32.4	32.9	32.9	33.3
≥ 18000	17.7	22.8	24.7	25.4	27.8	28.0	29.5	30.4	30.8	31.8	32.1	32.3	32.8	33.3	33.3	33.6
≥ 16000	17.7	22.8	24.7	25.4	27.8	28.0	29.5	30.4	30.8	31.8	32.1	32.3	32.8	33.3	33.3	33.6
≥ 14000	17.7	23.1	25.1	25.8	28.2	28.4	29.9	30.8	31.1	32.1	32.6	32.8	33.3	33.7	33.7	34.1
≥ 12000	18.0	23.3	25.4	26.2	28.5	28.8	30.3	31.1	31.5	32.5	33.1	33.4	33.9	34.4	34.4	34.7
≥ 10000	18.5	24.2	26.4	27.3	29.7	29.9	31.6	32.8	33.1	34.1	34.7	35.0	35.5	36.0	36.0	36.4
≥ 9000	19.2	24.9	27.2	28.2	30.6	30.9	32.6	33.9	34.4	35.5	36.1	36.4	36.8	37.3	37.3	37.7
≥ 8000	21.7	27.9	30.3	31.4	33.9	34.1	35.9	37.2	37.7	38.8	39.5	39.7	40.2	40.7	40.7	41.1
≥ 7000	22.3	28.9	31.3	32.8	35.7	36.0	37.7	39.3	39.8	40.9	41.6	41.8	42.3	42.8	42.8	43.2
≥ 6000	22.8	29.8	32.4	34.1	37.6	38.0	39.7	41.3	41.8	42.9	43.5	43.8	44.3	44.8	44.8	45.2
≥ 5000	24.4	31.6	34.7	36.5	40.0	40.3	42.2	44.2	44.9	46.0	46.7	46.9	47.5	48.0	48.0	48.4
≥ 4500	25.9	33.3	36.5	38.5	41.9	42.3	44.4	46.8	47.8	49.3	49.9	50.2	50.9	51.4	51.4	51.7
≥ 4000	27.3	35.6	38.8	41.1	45.0	45.4	47.6	50.1	51.1	52.6	53.2	53.6	54.2	54.7	54.7	55.2
≥ 3500	29.2	37.6	41.6	43.8	48.4	48.8	51.0	53.5	54.6	56.1	56.7	57.1	57.8	58.4	58.4	58.9
≥ 3000	31.1	40.1	44.2	46.5	51.1	51.7	54.1	56.7	57.8	59.3	59.9	60.3	61.0	61.6	61.6	62.4
≥ 2500	33.0	43.5	48.0	50.6	56.2	57.2	59.9	62.5	63.9	65.4	66.0	66.4	67.1	67.9	68.0	68.5
≥ 2000	35.4	47.0	52.0	55.0	60.7	61.8	64.5	67.1	68.5	70.1	70.7	71.1	71.8	72.7	72.8	73.3
≥ 1800	35.4	47.5	52.5	55.6	61.8	62.9	65.8	68.4	69.7	71.3	72.0	72.3	73.2	74.1	74.2	74.7
≥ 1500	36.8	50.1	56.2	59.9	67.2	68.4	71.5	74.1	75.4	77.0	77.7	78.0	78.9	79.8	79.9	80.4
≥ 1200	37.6	52.9	59.6	64.4	72.3	73.7	77.2	79.9	81.5	83.3	83.9	84.2	85.1	86.0	86.1	86.6
≥ 1000	38.3	54.2	61.8	66.9	75.6	77.2	80.9	83.7	85.4	87.1	87.7	88.1	89.0	89.8	90.0	90.4
≥ 900	38.3	54.3	62.0	67.6	76.8	78.5	82.3	85.1	86.7	88.5	89.1	89.5	90.3	91.2	91.3	91.8
≥ 800	38.3	54.6	62.8	68.2	77.9	79.7	83.4	86.2	88.0	90.0	90.6	90.9	91.9	92.8	92.9	93.4
≥ 700	38.6	55.0	62.9	69.1	79.4	81.5	85.2	88.6	90.3	92.3	92.9	93.3	94.4	95.3	95.4	95.9
≥ 600	38.6	55.0	63.2	69.4	79.7	81.8	85.5	88.8	90.7	93.1	93.7	94.0	95.2	96.0	96.2	96.7
≥ 500	38.6	55.0	63.2	69.4	79.8	82.0	85.7	89.2	91.2	93.8	94.4	94.8	95.9	96.8	96.9	97.4
≥ 400	38.6	55.0	63.2	69.4	79.8	82.0	86.0	89.5	91.6	94.2	94.9	95.3	96.4	97.3	97.4	97.9
≥ 300	38.6	55.0	63.2	69.4	79.8	82.0	86.0	89.5	91.7	94.3	95.0	95.4	96.5	97.5	97.6	98.1
≥ 200	38.6	55.0	63.2	69.4	79.8	82.0	86.2	89.8	92.1	94.7	95.7	96.2	97.4	98.6	99.0	99.8
≥ 100	38.6	55.0	63.2	69.4	79.8	82.0	86.2	89.8	92.1	94.7	95.7	96.2	97.4	98.6	99.0	100.0
0	38.6	55.0	63.2	69.4	79.8	82.0	86.2	89.8	92.1	94.7	95.7	96.2	97.4	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 806

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120	SEMBACH AB DL	65-68,76-81	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.8	19.2	20.0	21.1	23.2	23.5	24.4	25.1	25.4	25.9	25.9	25.9	25.9	26.0	26.0	26.0
≥ 20000	18.1	23.5	24.4	25.5	28.1	28.7	29.9	30.7	31.2	31.7	31.7	31.9	31.9	32.0	32.0	32.0
≥ 18000	18.3	23.7	24.5	25.6	28.2	28.8	30.0	30.8	31.3	31.9	31.9	32.0	32.0	32.1	32.1	32.1
≥ 16000	18.3	23.7	24.5	25.6	28.2	28.8	30.0	30.8	31.3	31.9	31.9	32.0	32.0	32.1	32.1	32.1
≥ 14000	18.8	24.3	25.3	26.3	28.9	29.6	30.8	31.5	32.1	32.6	32.6	32.7	32.7	32.8	32.8	32.8
≥ 12000	19.9	25.4	26.3	27.5	30.2	31.0	32.2	33.0	33.6	34.1	34.2	34.3	34.3	34.4	34.4	34.4
≥ 10000	21.3	27.5	28.5	29.9	32.6	33.5	34.7	35.5	36.1	36.6	36.7	36.8	36.8	36.9	36.9	36.9
≥ 9000	21.9	28.2	29.2	30.6	33.7	34.6	35.9	36.7	37.3	37.8	37.9	38.0	38.0	38.1	38.1	38.1
≥ 8000	23.8	30.5	31.7	33.3	36.5	37.5	38.9	40.1	40.6	41.1	41.3	41.4	41.4	41.5	41.5	41.5
≥ 7000	24.5	31.3	33.2	35.3	38.7	39.6	41.0	42.3	43.0	43.6	43.7	43.8	43.8	44.0	44.0	44.0
≥ 6000	25.3	32.2	34.0	36.3	40.1	41.0	42.4	43.8	44.6	45.2	45.4	45.5	45.5	45.6	45.6	45.6
≥ 5000	25.7	32.7	34.8	37.0	40.9	41.9	43.5	45.1	45.9	46.5	46.7	46.8	46.8	46.9	46.9	46.9
≥ 4500	27.3	34.4	36.6	39.2	43.1	44.1	45.8	47.4	48.3	48.9	49.2	49.4	49.4	49.5	49.5	49.5
≥ 4000	28.4	36.0	38.2	41.1	45.0	46.1	47.9	49.7	50.5	51.4	51.7	51.8	51.8	51.9	51.9	51.9
≥ 3500	29.8	37.8	40.2	43.1	47.3	48.4	50.2	51.9	52.9	53.9	54.2	54.3	54.3	54.4	54.4	54.4
≥ 3000	33.7	42.7	45.4	48.4	52.7	54.1	55.9	57.8	58.7	59.7	60.0	60.2	60.2	60.3	60.3	60.3
≥ 2500	36.2	46.2	49.4	52.7	57.6	59.2	61.0	62.9	63.9	65.1	65.4	65.6	65.6	65.7	65.7	65.7
≥ 2000	38.3	49.7	53.1	56.5	62.1	63.8	65.9	67.8	69.0	70.2	70.5	70.6	70.6	70.7	70.7	70.7
≥ 1800	39.3	52.2	55.7	59.2	65.3	67.1	69.1	71.1	72.2	73.4	73.8	73.9	73.9	74.0	74.0	74.0
≥ 1500	40.6	55.5	59.6	63.5	70.2	72.1	74.4	76.3	77.5	78.9	79.3	79.4	79.4	79.5	79.5	79.5
≥ 1200	42.7	58.5	64.0	68.5	75.7	78.1	80.8	82.9	84.3	85.7	86.1	86.2	86.2	86.3	86.3	86.3
≥ 1000	43.2	59.5	65.4	70.1	78.1	80.6	83.4	85.7	87.3	88.8	89.1	89.2	89.2	89.3	89.3	89.3
≥ 900	43.2	59.6	65.6	70.6	79.4	81.9	84.8	87.3	89.0	90.5	90.8	90.9	90.9	91.0	91.0	91.0
≥ 800	43.4	60.2	66.4	71.7	80.9	83.4	86.7	89.2	91.0	92.9	93.2	93.3	93.3	93.5	93.5	93.5
≥ 700	43.4	60.5	66.8	72.5	81.7	84.3	87.8	90.4	92.3	94.3	94.6	94.7	94.7	94.9	94.9	94.9
≥ 600	43.4	60.5	67.0	72.6	82.2	84.8	88.4	91.3	93.3	95.7	96.0	96.1	96.1	96.3	96.3	96.3
≥ 500	43.4	60.5	67.0	72.7	82.4	85.1	88.8	91.9	94.2	97.1	97.6	97.7	97.7	97.9	97.9	97.9
≥ 400	43.4	60.5	67.0	72.7	82.6	85.3	89.1	92.3	94.7	97.6	98.2	98.3	98.3	98.5	98.5	98.5
≥ 300	43.4	60.5	67.0	72.7	82.6	85.3	89.2	92.5	95.0	97.9	98.5	98.7	98.7	99.0	99.0	99.0
≥ 200	43.4	60.5	67.0	72.7	82.6	85.3	89.2	92.5	95.0	97.9	98.5	98.8	98.9	99.6	99.8	99.8
≥ 100	43.4	60.5	67.0	72.7	82.6	85.3	89.2	92.5	95.0	97.9	98.5	98.8	98.9	99.7	99.9	100.0
≥ 0	43.4	60.5	67.0	72.7	82.6	85.3	89.2	92.5	95.0	97.9	98.5	98.8	98.9	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[ ]123 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	16.6	23.9	22.6	23.5	24.1	24.5	24.7	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 20000	21.5	26.7	28.8	29.9	31.7	32.2	32.4	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 18000	21.6	26.8	28.9	30.0	31.8	32.3	32.5	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 16000	21.7	26.9	29.1	30.1	31.9	32.4	32.6	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 14000	22.0	27.4	29.6	30.8	32.6	33.0	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 12000	23.0	28.7	30.9	32.0	34.1	34.5	34.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 10000	24.4	30.6	33.0	34.2	36.2	36.7	37.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 9000	25.4	31.7	34.1	35.6	37.7	38.2	38.5	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 8000	26.7	33.3	35.7	37.4	39.6	40.0	40.4	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 7000	27.6	34.7	37.1	39.0	41.5	42.0	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 6000	28.1	35.3	38.0	40.2	42.7	43.3	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4
≥ 5000	28.8	36.5	39.1	41.5	44.2	44.8	45.3	45.8	45.8	45.8	45.8	45.8	45.8	45.9	45.9	45.9
≥ 4500	29.9	37.7	40.6	43.0	45.9	46.7	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1	48.1
≥ 4000	32.4	41.1	44.3	46.9	49.8	50.6	51.5	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4
≥ 3500	35.7	45.1	48.4	51.2	54.1	54.9	56.0	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9
≥ 3000	40.9	51.3	55.2	58.2	61.6	62.6	63.7	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5
≥ 2500	45.4	57.4	61.7	65.2	68.7	69.7	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6
≥ 2000	49.4	63.4	68.5	72.9	77.3	78.5	79.8	80.6	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8
≥ 1800	50.9	65.3	70.9	75.3	79.8	81.0	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2
≥ 1500	53.3	69.4	75.4	79.8	84.9	86.2	87.5	88.4	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.6
≥ 1200	55.2	71.7	78.1	83.0	88.2	89.6	91.1	92.3	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6
≥ 1000	55.7	72.9	79.6	84.7	90.1	91.7	93.3	94.5	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8
≥ 900	55.8	73.2	79.9	85.4	90.8	92.4	94.0	95.3	95.4	95.5	95.5	95.5	95.5	95.6	95.6	95.6
≥ 800	55.8	73.2	80.1	85.8	91.4	93.1	94.8	96.2	96.3	96.6	96.6	96.6	96.6	96.7	96.7	96.7
≥ 700	55.8	73.2	80.2	85.9	91.9	93.8	95.6	97.0	97.3	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 600	55.8	73.2	80.2	85.9	92.3	94.1	95.9	97.5	98.3	98.6	98.6	98.6	98.7	98.8	98.8	98.8
≥ 500	55.8	73.2	80.2	85.9	92.6	94.4	96.5	98.4	99.1	99.5	99.5	99.5	99.6	99.7	99.7	99.7
≥ 400	55.8	73.2	80.2	85.9	92.6	94.4	96.5	98.4	99.1	99.6	99.6	99.6	99.7	99.8	99.8	99.8
≥ 300	55.8	73.2	80.2	85.9	92.6	94.4	96.5	98.4	99.1	99.6	99.6	99.7	99.8	99.9	99.9	99.9
≥ 200	55.8	73.2	80.2	85.9	92.6	94.4	96.5	98.4	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0
≥ 100	55.8	73.2	80.2	85.9	92.6	94.4	96.5	98.4	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0
≥ 0	55.8	73.2	80.2	85.9	92.6	94.4	96.5	98.4	99.1	99.7	99.7	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120	SEMBACH AB DL	65-68,76-81	MAR
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	22.1	27.4	28.3	29.1	29.9	30.2	30.2	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 20000	27.3	33.4	34.3	35.5	36.9	37.2	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 18000	27.7	33.7	34.7	35.8	37.2	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 16000	27.7	33.7	34.7	35.8	37.2	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 14000	28.2	34.4	35.4	36.6	38.0	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 12000	29.1	35.5	36.6	37.9	39.5	39.8	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 10000	30.2	37.7	38.9	40.3	42.6	42.9	42.9	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 9000	31.4	39.2	40.6	42.0	44.3	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 8000	34.0	42.4	43.9	45.7	48.2	48.5	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 7000	36.3	45.9	47.5	49.4	51.9	52.2	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	38.0	47.5	49.6	51.7	54.1	54.6	54.8	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 5000	39.3	49.1	51.2	53.4	55.9	56.3	56.5	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4500	40.9	51.2	53.6	56.1	58.9	59.3	59.5	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4000	43.8	54.9	57.4	60.2	63.0	63.4	63.7	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 3500	48.3	59.8	62.4	65.6	68.4	68.8	69.3	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3000	51.9	65.6	68.8	72.6	75.9	76.6	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	55.2	70.2	73.7	77.6	81.1	81.9	82.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	58.6	74.5	78.6	83.0	86.7	87.5	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1800	59.2	75.7	79.9	84.3	87.9	88.8	89.5	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	61.0	78.4	83.0	87.8	91.5	92.5	93.1	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	61.8	79.5	84.5	89.3	93.1	94.1	94.7	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6
≥ 1000	62.4	80.3	85.6	90.4	94.2	95.2	95.8	96.2	96.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 900	62.4	80.4	85.7	90.6	94.5	95.5	96.1	96.6	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1
≥ 800	62.4	80.4	85.7	91.0	95.0	96.0	96.7	97.1	97.5	97.7	98.0	98.0	98.1	98.1	98.1	98.1
≥ 700	62.6	80.6	86.0	91.3	96.1	97.1	97.7	98.2	98.6	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 600	62.6	80.6	86.0	91.3	96.2	97.2	98.0	98.5	98.9	99.1	99.4	99.4	99.5	99.5	99.5	99.5
≥ 500	62.6	80.6	86.0	91.3	96.4	97.4	98.2	98.7	99.1	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 400	62.6	80.6	86.0	91.3	96.4	97.4	98.2	98.7	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8
≥ 300	62.6	80.6	86.0	91.3	96.4	97.4	98.2	98.7	99.1	99.4	99.7	99.7	99.8	99.8	99.8	99.8
≥ 200	62.6	80.6	86.0	91.3	96.4	97.4	98.2	98.7	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0
≥ 100	62.6	80.6	86.0	91.3	96.4	97.4	98.2	98.7	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0
≥ 0	62.6	80.6	86.0	91.3	96.4	97.4	98.2	98.7	99.1	99.4	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 | SEMBACH AB DL | 65-68,76-81 | MAR

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	<¼
NO CEILING	25.5	30.3	31.4	32.1	34.0	34.5	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 20000	30.6	36.1	37.2	38.0	40.6	41.1	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 18000	30.9	36.4	37.5	38.2	40.8	41.3	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 16000	31.4	36.9	38.0	38.7	41.3	41.8	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 14000	31.8	37.2	38.4	39.1	41.7	42.2	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 12000	32.6	38.5	39.6	40.5	43.2	43.7	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 10000	34.0	40.2	41.6	42.6	45.5	46.2	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 9000	35.6	42.6	44.0	45.0	47.9	48.7	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	38.5	46.6	47.9	49.1	52.4	53.2	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 7000	40.1	48.8	50.3	51.6	54.9	55.7	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 6000	40.8	50.4	53.2	54.8	58.2	58.9	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 5000	42.2	53.1	55.9	57.5	6 .9	61.6	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4500	44.3	55.4	58.3	60.3	63.6	64.4	64.9	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4000	46.1	58.4	61.4	63.8	67.2	68.2	68.7	69.5	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3500	48.9	62.8	65.9	68.5	72.0	73.0	73.8	74.6	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	53.3	68.2	71.7	74.7	78.5	79.6	80.4	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	54.8	70.4	74.0	77.6	81.8	82.9	84.1	85.3	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	56.3	73.1	77.1	81.1	85.7	86.8	88.0	89.3	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 1800	56.5	73.7	78.0	81.9	86.6	87.7	89.0	90.3	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1500	57.7	75.2	80.6	84.7	89.5	90.7	92.0	93.5	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	58.2	76.0	81.3	86.2	91.3	92.5	94.0	95.5	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	58.3	76.1	81.6	86.4	91.7	92.9	94.4	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	58.3	76.1	81.6	86.4	91.7	92.9	94.4	95.9	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	58.3	76.1	81.7	86.8	92.0	93.3	94.8	96.3	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	58.3	76.1	81.8	87.0	92.4	93.6	95.3	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	58.5	76.3	82.1	87.3	92.7	93.9	95.5	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	58.5	76.3	82.2	87.5	93.2	94.4	96.0	97.5	98.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	58.5	76.3	82.2	87.5	93.2	94.4	96.0	97.5	98.0	98.9	99.1	99.1	99.3	99.3	99.3	99.3
≥ 300	58.5	76.3	82.2	87.5	93.2	94.4	96.0	97.5	98.0	98.9	99.1	99.3	99.4	99.4	99.4	99.4
≥ 200	58.5	76.3	82.2	87.5	93.2	94.4	96.0	97.5	98.0	99.0	99.4	99.5	99.6	99.6	99.6	99.6
≥ 100	58.5	76.3	82.2	87.5	93.2	94.4	96.0	97.5	98.0	99.0	99.4	99.6	99.8	100.0	100.0	100.0
≥ 0	58.5	76.3	82.2	87.5	93.2	94.4	96.0	97.5	98.0	99.0	99.4	99.6	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 603

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] | SEMBACH AB DL | 65-68,76-81 | MAR
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	25.9	31.7	33.7	34.3	36.1	36.7	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	27.8	33.8	35.8	36.4	38.5	39.4	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 18000	27.8	33.8	35.8	36.4	38.5	39.4	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 16000	27.8	33.8	35.8	36.4	38.5	39.4	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 14000	27.8	33.8	35.8	36.4	38.5	39.4	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 12000	28.1	34.1	36.1	36.8	39.1	40.0	41.9	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 10000	28.4	35.0	37.0	37.7	40.0	40.9	42.8	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 9000	30.1	37.0	38.9	39.7	42.4	43.3	45.2	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 8000	33.1	41.6	43.7	44.5	47.8	48.7	50.6	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 7000	34.3	44.5	47.0	47.8	51.0	52.2	54.2	54.6	54.8	54.8	54.8	54.8	54.8	54.9	54.9	55.1
≥ 6000	37.0	48.1	51.2	52.5	56.3	57.6	59.6	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.5
≥ 5000	38.8	51.0	54.3	55.7	59.4	60.8	62.7	63.2	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.6
≥ 4500	39.2	52.8	56.1	57.8	61.5	62.9	64.8	65.4	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.2
≥ 4000	41.8	55.8	59.1	60.9	64.7	66.0	68.1	68.9	69.3	69.3	69.3	69.3	69.3	69.5	69.5	69.6
≥ 3500	44.5	59.4	63.3	65.1	68.9	70.4	72.6	73.4	73.8	73.8	73.8	73.8	73.8	74.0	74.0	74.1
≥ 3000	46.7	62.7	66.8	69.0	73.1	74.6	76.8	77.5	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.3
≥ 2500	48.7	66.0	70.7	73.4	77.5	79.2	81.9	83.2	83.8	83.8	83.8	83.8	83.8	84.0	84.0	84.1
≥ 2000	51.2	69.3	74.6	77.7	81.9	83.5	86.2	87.6	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.5
≥ 1800	51.6	69.8	75.0	78.1	82.6	84.6	87.3	88.6	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.6
≥ 1500	51.9	70.2	75.9	79.3	83.8	86.1	88.9	90.4	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.3
≥ 1200	52.2	71.6	77.5	81.1	86.5	89.1	92.2	94.2	94.9	94.9	94.9	94.9	94.9	95.1	95.1	95.2
≥ 1000	52.4	71.9	78.3	82.0	87.4	90.3	93.4	95.4	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.4
≥ 900	52.4	71.9	78.3	82.0	87.4	90.3	93.4	95.4	96.1	96.1	96.1	96.1	96.1	96.3	96.3	96.4
≥ 800	52.4	72.0	78.4	82.5	87.9	90.7	93.9	96.0	96.7	96.7	96.7	96.7	96.7	96.9	96.9	97.0
≥ 700	52.4	72.0	78.4	82.5	88.2	91.0	94.2	96.4	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.5
≥ 600	52.5	72.2	78.6	82.6	88.3	91.2	94.3	96.9	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.9
≥ 500	52.5	72.2	78.6	83.2	89.2	92.1	95.2	97.8	98.5	98.5	98.5	98.5	98.5	98.8	98.8	99.0
≥ 400	52.5	72.2	78.6	83.2	89.2	92.1	95.4	97.9	98.7	99.1	99.1	99.1	99.1	99.4	99.4	99.6
≥ 300	52.5	72.2	78.6	83.2	89.2	92.1	95.4	97.9	98.7	99.4	99.4	99.4	99.4	99.7	99.7	99.9
≥ 200	52.5	72.2	78.6	83.2	89.2	92.1	95.4	97.9	98.7	99.4	99.6	99.6	99.6	99.9	99.9	100.0
≥ 100	52.5	72.2	78.6	83.2	89.2	92.1	95.4	97.9	98.7	99.4	99.6	99.6	99.6	99.9	99.9	100.0
≥ 0	52.5	72.2	78.6	83.2	89.2	92.1	95.4	97.9	98.7	99.4	99.6	99.6	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS [illegible]864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7127 (STATION) | SEMBACH AB DL (STATION NAME) | 65-68,76-81 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	19.0	24.5	25.9	26.9	28.5	28.9	29.8	30.2	30.4	30.7	30.8	30.8	30.9	31.0	31.0	31.1
≥ 20000	22.8	28.8	30.3	31.4	33.4	34.0	35.0	35.5	35.7	36.1	36.2	36.2	36.2	36.4	36.4	36.5
≥ 18000	22.9	28.9	30.4	31.6	33.6	34.1	35.2	35.7	35.9	36.2	36.3	36.4	36.4	36.5	36.5	36.7
≥ 16000	23.1	29.0	30.5	31.7	33.7	34.2	35.3	35.8	36.0	36.3	36.4	36.4	36.5	36.6	36.6	36.7
≥ 14000	23.3	29.4	30.9	32.1	34.1	34.7	35.7	36.2	36.4	36.8	36.9	36.9	37.0	37.1	37.1	37.2
≥ 12000	23.9	30.2	31.8	33.0	35.2	35.7	36.8	37.3	37.5	37.9	38.0	38.1	38.1	38.3	38.3	38.4
≥ 10000	24.9	31.7	33.3	34.6	37.0	37.6	38.7	39.3	39.5	39.8	40.0	40.0	40.1	40.2	40.2	40.3
≥ 9000	25.9	32.9	34.6	36.0	38.5	39.2	40.4	40.9	41.1	41.5	41.7	41.7	41.8	41.9	41.9	42.0
≥ 8000	28.1	35.8	37.6	39.2	41.9	42.6	43.8	44.5	44.7	45.1	45.2	45.3	45.3	45.5	45.5	45.6
≥ 7000	29.5	37.8	39.8	41.6	44.5	45.3	46.5	47.2	47.5	47.9	48.0	48.1	48.1	48.3	48.3	48.4
≥ 6000	30.5	39.4	41.9	44.0	47.1	48.0	49.3	50.0	50.3	50.7	50.8	50.9	51.0	51.1	51.1	51.2
≥ 5000	31.6	41.1	43.8	45.9	49.1	50.1	51.4	52.2	52.5	53.0	53.1	53.2	53.3	53.4	53.4	53.5
≥ 4500	33.0	42.9	45.7	48.1	51.4	52.3	53.8	54.8	55.3	55.7	55.9	56.0	56.1	56.2	56.2	56.4
≥ 4000	34.8	45.5	48.4	51.0	54.4	55.5	57.1	58.1	58.6	59.1	59.3	59.4	59.5	59.6	59.6	59.8
≥ 3500	37.5	48.9	52.2	54.9	58.5	59.6	61.3	62.4	62.9	63.4	63.6	63.7	63.8	63.9	63.9	64.1
≥ 3000	40.8	53.3	57.0	60.0	63.8	65.2	66.9	68.1	68.6	69.1	69.3	69.4	69.5	69.6	69.7	69.9
≥ 2500	43.4	57.4	61.5	64.8	69.1	70.5	72.4	73.7	74.2	74.8	75.0	75.1	75.2	75.4	75.4	75.6
≥ 2000	45.9	61.4	66.1	69.9	74.5	76.1	78.0	79.3	79.9	80.5	80.7	80.8	80.9	81.1	81.2	81.4
≥ 1800	46.5	62.5	67.4	71.3	76.1	77.7	79.7	81.0	81.6	82.2	82.4	82.5	82.7	82.9	82.9	83.1
≥ 1500	47.9	65.0	70.5	74.7	79.9	81.7	83.8	85.2	85.8	86.4	86.6	86.7	86.9	87.1	87.1	87.3
≥ 1200	49.0	67.0	73.1	78.0	83.6	85.5	87.9	89.4	90.2	90.9	91.1	91.2	91.4	91.6	91.6	91.8
≥ 1000	49.4	67.8	74.3	79.3	85.3	87.4	89.8	91.5	92.2	93.0	93.2	93.3	93.4	93.6	93.6	93.8
≥ 900	49.4	67.9	74.4	79.7	86.0	88.1	90.6	92.2	93.0	93.8	94.0	94.1	94.2	94.4	94.4	94.6
≥ 800	49.4	68.1	74.8	80.4	86.8	88.9	91.6	93.3	94.1	95.0	95.3	95.4	95.5	95.7	95.7	96.0
≥ 700	49.5	68.3	75.0	80.8	87.6	89.9	92.5	94.3	95.3	96.2	96.4	96.5	96.7	96.9	96.9	97.2
≥ 600	49.5	68.4	75.2	81.0	87.9	90.2	92.9	94.8	95.9	96.9	97.1	97.3	97.4	97.7	97.7	97.9
≥ 500	49.5	68.4	75.2	81.1	88.3	90.6	93.3	95.4	96.5	97.6	97.9	98.1	98.2	98.5	98.5	98.7
≥ 400	49.5	68.4	75.2	81.1	88.3	90.6	93.4	95.5	96.6	98.0	98.3	98.4	98.6	98.9	98.9	99.1
≥ 300	49.5	68.4	75.2	81.1	88.3	90.6	93.5	95.6	96.7	98.1	98.5	98.6	98.8	99.1	99.1	99.3
≥ 200	49.5	68.4	75.2	81.1	88.3	90.6	93.5	95.7	96.8	98.2	98.7	98.9	99.2	99.5	99.6	99.9
≥ 100	49.5	68.4	75.2	81.1	88.3	90.6	93.5	95.7	96.8	98.2	98.7	98.9	99.2	99.6	99.7	100.0
≥ 0	49.5	68.4	75.2	81.1	88.3	90.6	93.5	95.7	96.8	98.2	98.7	98.9	99.2	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 5982

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,79,81 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0900 (HOURS (L.S.T.))

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.8	42.3	45.1	46.9	49.4	49.7	50.1	50.8	50.8	51.3	51.3	51.3	51.5	51.5	51.5	51.7
≥ 20000	31.5	43.4	46.7	48.5	51.5	51.7	52.2	52.9	52.9	53.3	53.3	53.3	53.6	53.6	53.6	53.8
≥ 18000	31.5	43.4	46.7	48.5	51.5	51.7	52.2	52.9	52.9	53.3	53.3	53.3	53.6	53.6	53.6	53.8
≥ 16000	31.5	43.4	46.7	48.5	51.5	51.7	52.2	52.9	52.9	53.3	53.3	53.3	53.6	53.6	53.6	53.8
≥ 14000	31.5	43.4	46.7	48.5	51.5	51.7	52.2	52.9	52.9	53.3	53.3	53.3	53.6	53.6	53.6	53.8
≥ 12000	32.0	43.9	47.6	49.4	52.4	52.6	53.1	53.8	53.8	54.3	54.3	54.3	54.5	54.5	54.5	54.7
≥ 10000	32.2	44.8	48.5	50.8	53.8	54.0	54.5	55.2	55.2	55.6	55.6	55.6	55.9	55.9	55.9	56.1
≥ 9000	33.1	47.4	51.0	53.3	56.3	56.6	57.0	57.7	57.7	58.2	58.2	58.2	58.4	58.4	58.4	58.6
≥ 8000	35.4	53.3	57.2	59.5	62.5	62.8	63.2	63.9	63.9	64.4	64.4	64.4	64.6	64.6	64.6	64.8
≥ 7000	36.6	56.1	60.7	63.7	66.7	66.9	67.4	68.0	68.0	68.5	68.5	68.5	68.7	68.7	68.7	69.0
≥ 6000	37.2	59.1	63.9	67.6	71.0	71.7	72.2	72.9	73.1	73.6	73.8	73.8	74.0	74.0	74.0	74.3
≥ 5000	38.4	61.4	66.2	70.1	73.6	74.3	74.7	75.4	75.6	76.1	76.3	76.3	76.6	76.6	76.6	76.8
≥ 4500	39.1	63.2	68.3	72.2	75.6	76.3	77.0	77.7	77.9	78.4	78.6	78.6	78.9	78.9	78.9	79.1
≥ 4000	39.1	63.7	69.0	73.1	76.6	77.2	77.9	78.6	78.9	79.3	79.5	79.5	79.8	79.8	79.8	80.0
≥ 3500	40.0	65.5	70.8	74.9	78.6	79.5	80.5	81.1	81.4	81.8	82.1	82.1	82.3	82.3	82.3	82.5
≥ 3000	41.4	67.6	73.1	77.5	81.1	82.1	83.0	83.7	83.9	84.4	84.6	84.6	84.8	84.8	84.8	85.1
≥ 2500	41.4	67.8	73.8	78.2	82.1	83.2	84.6	85.3	85.5	86.0	86.2	86.2	86.4	86.4	86.4	86.7
≥ 2000	41.4	68.7	74.9	79.8	84.1	85.3	86.7	87.4	87.6	88.0	88.3	88.3	88.5	88.5	88.5	88.7
≥ 1800	41.4	68.7	74.9	80.2	84.6	85.7	87.1	87.8	88.0	88.5	88.7	88.7	89.0	89.0	89.0	89.2
≥ 1500	41.4	69.4	76.1	81.6	86.4	87.6	89.0	89.7	89.9	90.3	90.6	90.6	90.8	90.8	90.8	91.0
≥ 1200	41.4	70.1	77.7	84.4	89.4	91.0	92.4	93.1	93.3	93.8	94.0	94.0	94.3	94.3	94.3	94.5
≥ 1000	41.4	70.6	78.2	85.5	91.5	93.3	94.9	95.6	95.9	96.3	96.6	96.6	96.8	96.8	96.8	97.0
≥ 900	41.4	70.6	78.2	85.7	91.7	93.6	95.2	95.9	96.1	96.6	96.8	96.8	97.0	97.0	97.0	97.2
≥ 800	41.4	70.8	78.6	86.2	92.2	94.3	95.9	96.6	96.8	97.2	97.5	97.5	97.7	97.7	97.7	97.9
≥ 700	41.4	70.8	78.6	86.2	92.2	94.3	95.9	96.6	96.8	97.2	97.5	97.5	97.7	97.7	97.7	97.9
≥ 600	41.4	70.8	78.6	86.2	92.2	94.3	95.9	96.6	96.8	97.2	97.5	97.5	97.7	97.7	97.7	97.9
≥ 500	41.4	70.8	78.6	86.2	92.4	94.7	96.3	97.5	97.9	98.4	98.6	98.6	98.9	98.9	98.9	99.1
≥ 400	41.4	70.8	78.6	86.2	92.6	94.9	96.6	97.7	98.2	98.6	98.9	98.9	99.1	99.3	99.3	99.5
≥ 300	41.4	70.8	78.6	86.2	92.6	94.9	96.8	97.9	98.4	98.9	99.1	99.1	99.3	99.5	99.5	99.8
≥ 200	41.4	70.8	78.6	86.2	92.6	94.9	96.8	97.9	98.4	98.9	99.3	99.3	99.5	99.8	99.8	100.0
≥ 100	41.4	70.8	78.6	86.2	92.6	94.9	96.8	97.9	98.4	98.9	99.3	99.3	99.5	99.8	99.8	100.0
≥ 0	41.4	70.8	78.6	86.2	92.6	94.9	96.8	97.9	98.4	98.9	99.3	99.3	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7127 — STATION
SEMBACH AB DL — STATION NAME
65-68,77-81 — YEARS
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0600 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	23.9	33.4	35.2	36.9	41.3	41.5	42.8	42.9	43.3	43.7	43.9	44.2	44.2	44.4	44.6	45.0
≥ 20000	24.1	33.9	36.1	37.8	42.2	42.4	44.4	44.6	45.0	45.3	45.5	45.9	45.9	46.1	46.2	46.6
≥ 18000	24.1	33.9	36.1	37.8	42.2	42.4	44.4	44.6	45.0	45.3	45.5	45.9	45.9	46.1	46.2	46.6
≥ 16000	24.1	33.9	36.1	37.8	42.2	42.4	44.4	44.6	45.0	45.3	45.5	45.9	45.9	46.1	46.2	46.6
≥ 14000	24.2	34.1	36.3	38.0	42.4	42.6	44.6	44.8	45.1	45.5	45.7	46.1	46.1	46.2	46.4	46.8
≥ 12000	24.2	34.5	36.9	38.5	42.9	43.1	45.1	45.3	45.7	46.1	46.2	46.6	46.6	46.8	47.0	47.3
≥ 10000	25.1	35.8	38.2	40.0	44.6	44.8	46.8	47.0	47.3	47.7	47.9	48.3	48.3	48.4	48.6	49.0
≥ 9000	25.7	37.1	39.4	41.3	46.1	46.2	48.3	48.4	48.8	49.2	49.4	49.7	49.7	49.9	50.1	50.5
≥ 8000	27.2	40.6	43.7	45.5	50.6	50.8	52.8	53.4	53.8	54.1	54.3	54.7	54.7	54.9	55.0	55.4
≥ 7000	28.3	42.9	46.2	48.4	53.6	53.8	56.0	56.5	56.9	57.2	57.4	57.8	57.8	58.0	58.2	58.5
≥ 6000	29.1	45.1	48.8	51.4	56.7	56.9	59.3	59.8	60.2	60.6	60.7	61.1	61.1	61.3	61.5	61.8
≥ 5000	30.5	46.8	50.5	53.2	58.5	58.7	62.0	62.9	63.3	63.9	64.0	64.4	64.4	64.6	64.8	65.1
≥ 4500	31.7	49.2	52.8	56.1	61.7	62.0	65.5	66.4	66.8	67.3	67.5	67.9	67.9	68.1	68.3	68.6
≥ 4000	32.3	50.3	54.3	58.0	63.5	63.9	67.3	68.3	68.6	69.4	69.5	69.9	69.9	70.3	70.5	70.8
≥ 3500	33.2	51.9	56.0	59.8	65.9	66.4	70.1	71.0	71.6	72.5	72.7	73.0	73.0	73.6	73.8	74.3
≥ 3000	34.9	54.3	58.7	63.3	69.5	70.3	75.0	76.3	76.9	77.8	78.0	78.3	78.3	78.9	79.1	79.8
≥ 2500	35.4	55.0	59.6	64.2	70.8	71.6	76.3	77.6	78.2	79.1	79.3	79.6	79.6	80.2	80.4	81.1
≥ 2000	35.6	56.0	60.9	65.5	72.5	73.4	78.2	79.4	80.0	80.9	81.1	81.5	81.5	82.0	82.2	82.9
≥ 1800	35.8	56.1	61.1	65.7	72.8	73.9	78.7	80.0	80.6	81.5	81.7	82.0	82.0	82.6	82.8	83.5
≥ 1500	35.8	56.7	61.8	66.6	74.7	75.8	80.7	82.0	82.6	83.5	83.7	84.0	84.0	84.6	84.8	85.5
≥ 1200	36.0	58.0	63.7	69.4	78.2	79.4	85.3	86.6	87.2	88.1	88.3	88.6	88.6	89.2	89.4	90.1
≥ 1000	36.0	58.2	64.6	71.0	80.0	81.3	87.5	88.8	89.4	90.3	90.5	90.8	90.8	91.4	91.6	92.3
≥ 900	36.0	58.7	65.3	71.9	81.3	82.9	89.5	90.8	91.4	92.3	92.5	92.8	92.8	93.4	93.6	94.3
≥ 800	36.3	59.1	65.9	72.5	82.4	84.0	90.8	92.1	92.7	93.6	93.8	94.1	94.1	94.7	94.9	95.6
≥ 700	36.3	59.1	65.9	72.7	82.6	84.4	91.2	92.5	93.0	93.9	94.1	94.5	94.5	95.0	95.2	96.0
≥ 600	36.3	59.1	65.9	72.7	82.6	84.4	91.2	92.8	93.4	94.3	94.5	94.9	94.9	95.4	95.6	96.3
≥ 500	36.3	59.1	65.9	72.7	82.8	84.6	91.4	93.4	94.1	95.0	95.2	95.6	95.6	96.1	96.5	97.2
≥ 400	36.3	59.1	65.9	72.7	82.9	85.0	91.7	93.8	94.5	95.4	95.6	96.0	96.0	96.5	96.9	98.2
≥ 300	36.3	59.1	65.9	72.7	82.9	85.1	92.1	94.1	95.2	96.1	96.3	96.7	96.7	97.2	97.6	99.1
≥ 200	36.3	59.1	65.9	72.7	82.9	85.1	92.1	94.1	95.2	96.1	96.3	96.7	96.9	97.6	98.0	99.4
≥ 100	36.3	59.1	65.9	72.7	82.9	85.1	92.1	94.1	95.2	96.1	96.3	96.7	96.9	98.0	98.3	99.8
≥ 0	36.3	59.1	65.9	72.7	82.9	85.1	92.1	94.1	95.2	96.1	96.3	96.7	96.9	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 595

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]129	SEMBACH AB DL	65-68,76-81	APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) [illegible]0-[illegible]06

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	24.7	31.4	34.1	36.1	38.9	40.0	40.8	42.0	42.6	43.1	43.1	43.1	43.3	43.4	43.5	43.9
≥ 20000	25.6	32.4	35.4	37.6	40.9	42.2	42.9	44.4	45.1	45.7	45.7	45.7	45.9	46.0	46.1	46.5
≥ 18000	25.6	32.4	35.4	37.6	40.9	42.2	42.9	44.4	45.1	45.7	45.7	45.7	45.9	46.0	46.1	46.5
≥ 16000	25.6	32.5	35.5	37.7	41.0	42.3	43.0	44.5	45.2	45.9	45.9	45.9	46.0	46.1	46.2	46.6
≥ 14000	25.7	32.8	35.7	37.9	41.3	42.5	43.3	44.7	45.5	46.1	46.1	46.1	46.2	46.4	46.5	46.9
≥ 12000	26.5	33.5	36.6	38.8	42.2	43.4	44.1	45.6	46.4	47.0	47.0	47.0	47.1	47.2	47.3	47.7
≥ 10000	27.7	34.9	38.1	40.3	43.6	44.9	45.6	47.1	47.8	48.5	48.5	48.5	48.6	48.7	48.8	49.2
≥ 9000	27.9	35.4	38.6	40.8	44.1	45.4	46.1	47.6	48.3	48.9	48.9	48.9	49.1	49.2	49.3	49.7
≥ 8000	28.8	37.3	40.8	43.4	47.2	48.5	49.2	50.7	51.4	52.2	52.3	52.3	52.5	52.6	52.9	53.5
≥ 7000	30.4	39.7	43.4	46.4	50.6	51.8	52.7	54.1	54.9	55.7	55.9	55.9	56.1	56.4	56.5	57.1
≥ 6000	31.9	41.2	44.9	48.2	52.7	54.1	55.1	56.6	57.5	58.3	58.5	58.5	58.7	59.0	59.1	59.8
≥ 5000	33.5	43.3	47.1	50.8	55.4	56.9	58.0	59.7	60.6	61.6	61.7	61.7	61.9	62.2	62.3	63.0
≥ 4500	34.2	44.3	48.1	51.9	56.6	58.1	59.3	61.1	61.9	62.9	63.2	63.2	63.4	63.7	63.8	64.5
≥ 4000	35.2	46.1	50.2	54.1	59.1	60.7	62.1	63.8	64.6	65.6	65.9	65.9	66.1	66.4	66.5	67.2
≥ 3500	36.5	47.3	51.4	55.5	60.8	62.4	63.8	65.6	66.5	67.7	68.0	68.1	68.6	68.9	69.0	69.8
≥ 3000	37.7	48.8	53.5	57.8	63.3	64.9	66.4	68.4	69.3	70.6	70.8	71.1	71.6	71.8	71.9	72.9
≥ 2500	38.6	50.1	55.3	60.0	65.8	67.4	68.9	70.8	71.9	73.2	73.4	73.7	74.2	74.4	74.5	75.5
≥ 2000	38.8	50.9	56.4	61.1	67.2	69.3	70.8	72.8	73.9	75.2	75.4	75.6	76.1	76.4	76.5	77.5
≥ 1800	38.9	51.2	56.7	61.6	67.7	70.0	71.4	73.4	74.5	75.9	76.1	76.4	76.9	77.1	77.3	78.2
≥ 1500	40.0	52.9	59.1	64.3	71.2	73.4	75.0	77.4	78.5	79.9	80.1	80.3	80.8	81.1	81.2	82.2
≥ 1200	40.3	53.9	60.7	66.3	74.3	76.5	78.6	81.3	82.4	83.8	84.1	84.3	84.8	85.0	85.2	86.2
≥ 1000	40.3	54.3	61.4	68.0	76.9	79.4	81.7	84.7	85.9	87.3	87.5	87.8	88.3	88.5	88.6	89.6
≥ 900	40.4	54.5	61.7	68.4	77.4	79.9	82.4	85.5	86.8	88.1	88.4	88.6	89.1	89.4	89.5	90.5
≥ 800	40.4	54.5	61.7	68.6	78.2	80.7	83.4	87.0	88.5	89.9	90.1	90.4	90.9	91.1	91.2	92.2
≥ 700	40.4	54.5	61.9	69.0	79.2	82.0	85.0	89.0	90.6	92.0	92.2	92.5	93.0	93.2	93.3	94.3
≥ 600	40.4	54.5	61.9	69.0	79.4	82.1	85.2	89.1	90.7	92.2	92.5	92.7	93.3	93.6	93.7	94.7
≥ 500	40.4	54.5	61.9	69.0	79.6	82.3	85.4	89.5	91.2	92.7	93.0	93.3	93.9	94.2	94.3	95.3
≥ 400	40.4	54.5	61.9	69.0	80.1	83.2	86.4	91.0	92.8	94.6	94.9	95.3	95.9	96.3	96.4	97.5
≥ 300	40.4	54.5	61.9	69.0	80.1	83.2	86.4	91.1	93.1	95.1	95.4	95.8	96.4	97.0	97.2	98.9
≥ 200	40.4	54.5	61.9	69.0	80.1	83.2	86.4	91.1	93.1	95.2	95.6	95.9	96.5	97.8	97.9	99.6
≥ 100	40.4	54.5	61.9	69.0	80.1	83.2	86.4	91.1	93.1	95.2	95.6	95.9	96.5	97.8	97.9	99.8
≥ 0	40.4	54.5	61.9	69.0	80.1	83.2	86.4	91.1	93.1	95.2	95.6	95.9	96.5	97.8	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 809

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7180 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	24.7	31.7	34.0	36.4	38.1	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 20000	29.2	36.6	39.0	41.5	43.5	44.2	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 18000	29.3	36.7	39.1	41.6	43.6	44.3	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 16000	29.3	36.7	39.1	41.6	43.6	44.3	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	29.5	36.9	39.4	41.8	43.8	44.5	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 12000	30.5	37.9	40.5	43.0	45.0	45.6	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000	32.4	40.4	43.0	45.5	47.8	48.4	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	32.6	40.5	43.1	45.6	48.0	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 8000	33.9	42.5	45.5	48.4	51.2	52.0	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 7000	35.5	44.4	47.5	50.6	53.7	54.5	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	36.0	45.3	48.4	51.6	54.7	55.5	55.8	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 5000	37.1	46.5	49.7	52.8	55.9	56.7	57.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 4500	38.5	48.0	51.3	54.5	57.9	58.8	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	39.9	49.8	53.4	56.6	60.4	61.4	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 3500	41.1	51.5	55.1	58.4	62.8	63.9	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3000	43.3	54.3	58.2	61.4	66.1	67.2	68.0	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8
≥ 2500	45.5	57.5	61.9	65.4	70.4	71.6	72.4	73.0	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2
≥ 2000	48.3	61.2	66.3	69.9	74.8	76.2	77.0	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7
≥ 1800	48.5	62.1	67.9	71.6	76.6	78.0	78.7	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5
≥ 1500	49.4	64.3	71.3	75.2	80.5	81.9	82.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0
≥ 1200	50.2	65.8	74.2	79.1	85.7	87.2	88.3	89.4	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8
≥ 1000	50.4	66.7	75.2	80.4	87.7	89.5	90.8	92.1	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5
≥ 900	50.4	66.7	75.3	80.8	88.3	90.2	91.7	93.2	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.6
≥ 800	50.4	66.7	75.4	81.0	90.2	92.1	93.7	95.3	95.6	95.9	95.9	96.0	96.0	96.0	96.0	96.0
≥ 700	50.4	66.7	75.4	81.1	90.7	92.6	94.4	96.1	96.4	96.6	96.9	97.0	97.0	97.0	97.0	97.0
≥ 600	50.4	66.7	75.4	81.3	91.1	93.1	94.9	96.5	96.9	97.1	97.4	97.5	97.5	97.5	97.5	97.5
≥ 500	50.4	66.7	75.4	81.3	91.1	93.1	94.9	96.6	97.1	97.4	97.8	98.1	98.2	98.2	98.2	98.2
≥ 400	50.4	66.7	75.4	81.3	91.1	93.1	95.0	96.8	97.2	98.0	98.5	98.9	99.0	99.0	99.0	99.2
≥ 300	50.4	66.7	75.4	81.3	91.1	93.1	95.0	96.8	97.4	98.4	99.0	99.3	99.4	99.6	99.6	99.9
≥ 200	50.4	66.7	75.4	81.3	91.1	93.1	95.0	96.8	97.4	98.4	99.0	99.4	99.6	99.7	99.7	100.0
≥ 100	50.4	66.7	75.4	81.3	91.1	93.1	95.0	96.8	97.4	98.4	99.0	99.4	99.6	99.7	99.7	100.0
0	50.4	66.7	75.4	81.3	91.1	93.1	95.0	96.8	97.4	98.4	99.0	99.4	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	27.6	33.0	34.1	34.4	35.0	35.0	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 20000	35.3	40.8	42.7	43.2	43.9	43.9	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 18000	35.4	40.9	42.8	43.3	44.1	44.1	44.	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 16000	35.5	41.0	42.9	43.4	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 14000	35.8	41.3	43.2	43.6	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	36.3	41.8	43.7	44.5	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 10000	37.6	43.3	45.2	46.0	46.7	46.7	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 9000	38.0	44.1	46.1	46.9	47.6	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 8000	39.3	45.7	48.2	49.2	50.0	50.0	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 7000	40.6	47.1	49.7	50.7	51.5	51.5	51.7	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 6000	41.5	49.0	51.6	52.6	53.4	53.4	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.6
≥ 5000	42.8	50.9	53.6	54.6	55.4	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.6
≥ 4500	44.6	53.6	56.3	57.3	58.1	58.2	58.6	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	56.9
≥ 4000	47.6	58.2	61.2	62.2	63.2	63.3	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 3500	51.2	62.7	66.1	67.3	68.4	68.5	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3000	56.6	69.2	72.9	74.3	75.4	75.6	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	59.9	74.8	78.8	80.3	81.4	81.5	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	61.5	78.1	82.5	84.5	86.2	86.3	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	61.9	78.7	83.1	85.3	87.1	87.2	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1500	63.0	80.7	85.2	87.6	89.8	89.9	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	64.1	82.8	87.7	90.1	93.0	93.4	94.2	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	64.3	83.2	88.2	90.7	93.9	94.4	95.3	95.9	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	64.5	83.5	88.8	91.6	95.2	95.7	96.9	97.6	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	64.5	83.6	88.9	91.8	95.5	96.1	97.2	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.9	98.4
≥ 700	64.5	83.6	89.1	92.0	96.1	96.6	97.9	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	64.5	83.6	89.2	92.2	96.3	96.9	98.1	99.0	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	64.5	83.6	89.2	92.2	96.3	96.9	98.1	99.0	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	64.5	83.6	89.2	92.2	96.3	97.0	98.2	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	64.5	83.6	89.2	92.2	96.3	97.0	98.2	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	64.5	83.6	89.2	92.2	96.3	97.0	98.2	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	64.5	83.6	89.2	92.2	96.3	97.0	98.2	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	64.5	83.6	89.2	92.2	96.3	97.0	98.2	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 892

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	30.8	35.0	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 20000	38.1	42.5	43.1	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 18000	38.3	42.8	43.3	43.8	43.8	43.8	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 16000	38.3	42.8	43.3	43.8	43.8	43.8	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 14000	38.5	42.9	43.4	43.9	43.9	43.9	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 12000	39.1	43.8	44.3	44.8	44.8	44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 10000	40.8	45.6	46.2	46.6	46.6	46.6	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 9000	41.9	46.7	47.3	47.9	47.9	47.9	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 8000	44.8	50.3	50.9	51.8	51.8	51.8	51.9	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 7000	46.8	52.9	53.5	54.5	54.8	54.8	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	49.3	56.4	57.0	58.0	58.3	58.3	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 5000	50.8	58.6	59.2	60.3	60.5	60.5	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 4500	52.9	61.8	62.6	63.9	64.3	64.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4000	57.4	67.1	68.1	69.5	69.8	69.8	69.9	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	61.8	72.7	74.0	75.5	76.2	76.2	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3000	66.4	78.5	79.8	81.6	82.6	82.6	82.7	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2500	68.6	81.2	82.5	84.4	85.6	85.6	85.9	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	69.8	83.3	84.7	87.1	88.3	88.3	88.6	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1800	69.8	83.3	84.7	87.7	88.9	88.9	89.1	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	70.4	85.1	87.0	90.4	91.7	92.1	92.4	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	70.7	86.2	88.9	92.4	93.9	94.3	94.7	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	70.9	86.7	89.4	93.3	95.0	95.6	96.0	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900	70.9	86.7	89.4	93.4	95.2	95.8	96.3	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	71.4	87.1	89.9	94.3	95.9	96.5	96.9	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	71.4	87.2	90.3	94.6	96.5	97.1	97.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	71.4	87.2	90.3	94.6	96.8	97.4	98.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	71.4	87.2	90.4	94.7	97.1	97.6	98.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	71.4	87.2	90.4	94.7	97.1	97.6	98.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	71.4	87.2	90.4	94.7	97.1	97.6	98.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.4	87.2	90.4	94.7	97.1	97.6	98.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.4	87.2	90.4	94.7	97.1	97.6	98.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	71.4	87.2	90.4	94.7	97.1	97.6	98.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 684

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	37.4	43.6	44.3	44.4	44.6	44.6	44.6	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	43.6	49.9	51.1	51.3	51.4	51.4	51.4	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	43.7	50.0	51.3	51.4	51.5	51.5	51.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	43.9	50.3	51.5	51.6	51.8	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 14000	44.3	50.6	51.9	52.0	52.1	52.1	52.1	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 12000	45.2	51.8	53.0	53.2	53.3	53.3	53.3	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	47.9	54.7	55.9	56.1	56.2	56.2	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	49.0	56.1	57.3	57.4	57.6	57.6	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 8000	52.5	60.5	62.0	62.5	63.0	63.0	63.1	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	55.3	64.8	66.4	66.9	67.6	67.6	67.9	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	56.7	67.4	69.2	69.7	70.3	70.3	70.7	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 5000	58.6	70.1	72.1	72.6	73.2	73.2	73.6	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	60.5	72.2	74.7	75.3	75.9	75.9	76.3	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	62.9	75.3	78.1	78.5	79.3	79.3	79.7	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500	65.3	78.3	81.4	82.1	82.8	82.8	83.2	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	67.3	81.3	84.6	85.2	86.0	86.0	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2500	68.2	83.3	86.7	87.4	88.1	88.1	88.6	89.0	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	68.7	84.5	88.1	89.0	89.8	89.8	90.3	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	68.7	84.6	88.3	89.6	90.4	90.4	90.9	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	69.3	85.7	89.5	91.4	92.8	92.8	93.4	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1200	69.3	85.9	90.0	92.6	94.1	94.1	94.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	69.4	86.1	90.5	93.1	95.2	95.2	96.0	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	69.4	86.4	90.9	93.8	96.0	96.0	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	69.6	86.5	91.0	93.9	96.1	96.1	96.8	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	69.6	86.5	91.3	94.3	96.8	97.0	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	69.6	86.5	91.3	94.3	96.8	97.0	97.7	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	69.6	86.5	91.3	94.4	97.1	97.3	98.1	98.7	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	69.6	86.5	91.3	94.4	97.1	97.3	98.1	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	69.6	86.5	91.3	94.4	97.1	97.3	98.1	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.6	86.5	91.3	94.4	97.1	97.3	98.1	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.6	86.5	91.3	94.4	97.1	97.3	98.1	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	69.6	86.5	91.3	94.4	97.1	97.3	98.1	98.7	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 792

USAF ETAC FORM JUL 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7129 (STATION) | SEMBACH AB DL (STATION NAME) | 65-68,76-81 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	40.1	49.7	51.9	53.5	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	43.2	52.9	55.4	57.1	58.1	58.2	58.2	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 18000	43.2	52.9	55.4	57.1	58.1	58.2	58.2	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 16000	43.2	52.9	55.4	57.1	58.1	58.2	58.2	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 14000	43.2	52.9	55.4	57.1	58.1	58.2	58.2	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 12000	44.0	53.8	56.3	57.9	59.0	59.1	59.1	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 10000	45.1	55.4	57.9	59.6	60.6	60.7	60.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	46.3	57.1	59.7	61.3	62.4	62.5	62.5	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 8000	49.7	62.1	64.7	66.5	67.5	67.6	67.6	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	50.6	64.9	67.8	69.6	70.6	70.7	70.7	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	51.9	67.4	70.3	72.2	73.5	74.0	74.3	74.7	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
≥ 5000	53.2	69.6	72.6	75.0	76.3	76.9	77.2	77.6	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	54.4	70.7	74.1	76.6	78.1	78.7	79.0	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9
≥ 4000	55.7	72.9	76.8	79.4	81.5	82.1	82.4	82.8	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500	56.3	74.6	78.4	81.0	83.2	84.0	84.3	84.7	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000	57.5	76.2	80.1	82.8	85.0	86.0	86.5	86.9	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500	58.1	78.1	82.1	84.9	87.1	88.1	88.7	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	58.8	79.4	83.8	86.8	89.0	90.0	90.7	91.3	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	58.8	79.4	84.0	87.5	89.7	90.7	91.5	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	59.4	80.6	85.1	89.3	91.6	92.6	93.7	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	59.4	81.0	85.9	90.3	93.1	94.1	95.1	95.7	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	59.6	81.5	86.5	91.0	94.1	95.3	96.3	96.9	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	59.6	81.5	86.5	91.3	94.9	96.0	97.1	97.6	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	59.6	81.5	86.5	91.3	95.0	96.2	97.2	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	59.6	81.5	86.5	91.5	95.6	96.8	97.8	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	59.7	81.6	86.6	91.6	95.7	97.1	98.2	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	59.7	81.6	86.6	91.6	95.7	97.1	98.2	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	59.7	81.6	86.6	91.6	95.7	97.2	98.4	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	59.7	81.6	86.6	91.6	95.7	97.2	98.5	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	59.7	81.6	86.6	91.6	95.7	97.2	98.7	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	59.7	81.6	86.6	91.6	95.7	97.2	98.7	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	59.7	81.6	86.6	91.6	95.7	97.2	98.7	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 682

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7127 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.9	36.9	38.6	39.8	41.2	41.5	41.8	42.0	42.2	42.4	42.4	42.4	42.4	42.5	42.5	42.6
≥ 20000	34.2	41.4	43.5	44.8	46.4	46.7	47.1	47.4	47.7	47.8	47.9	47.9	47.9	48.0	48.0	48.1
≥ 18000	34.3	41.5	43.6	44.9	46.5	46.8	47.2	47.5	47.8	47.9	48.0	48.0	48.0	48.1	48.1	48.2
≥ 16000	34.3	41.6	43.6	44.9	46.6	46.9	47.2	47.6	47.9	48.0	48.0	48.1	48.1	48.1	48.2	48.3
≥ 14000	34.9	41.8	43.8	45.1	46.8	47.1	47.4	47.8	48.0	48.2	48.2	48.2	48.3	48.3	48.3	48.4
≥ 12000	35.2	42.6	44.7	46.0	47.7	48.0	48.4	48.7	49.0	49.1	49.1	49.2	49.2	49.2	49.3	49.4
≥ 10000	36.6	44.4	46.5	47.9	49.6	49.9	50.3	50.7	50.9	51.1	51.1	51.1	51.2	51.2	51.2	51.3
≥ 9000	37.3	45.4	47.6	49.0	50.8	51.1	51.4	51.8	52.0	52.2	52.2	52.3	52.3	52.3	52.4	52.5
≥ 8000	39.4	48.7	51.2	52.9	54.8	55.1	55.6	56.1	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.9
≥ 7000	41.0	51.2	53.9	55.7	57.8	58.2	58.7	59.2	59.5	59.6	59.7	59.7	59.8	59.8	59.8	60.0
≥ 6000	42.2	53.4	56.1	58.2	60.4	60.8	61.4	61.9	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.8
≥ 5000	43.7	55.4	58.2	60.4	62.6	63.1	63.8	64.4	64.7	64.9	65.0	65.0	65.1	65.1	65.2	65.3
≥ 4500	45.2	57.4	60.4	62.7	65.1	65.6	66.4	67.0	67.3	67.5	67.6	67.6	67.7	67.7	67.7	67.9
≥ 4000	47.2	60.2	63.5	65.9	68.5	69.0	69.8	70.4	70.7	71.0	71.1	71.1	71.1	71.2	71.2	71.4
≥ 3500	49.2	63.1	66.5	69.0	71.8	72.4	73.3	74.0	74.3	74.6	74.6	74.7	74.8	74.9	74.9	75.1
≥ 3000	51.9	66.5	70.2	72.9	75.8	76.5	77.5	78.3	78.6	78.9	79.-	79.0	79.1	79.2	79.2	79.5
≥ 2500	53.4	69.0	72.9	75.7	78.9	79.5	80.7	81.4	81.7	82.0	82.1	82.2	82.3	82.4	82.4	82.6
≥ 2000	54.5	70.9	75.2	78.3	81.6	82.4	83.5	84.4	84.7	85.0	85.1	85.2	85.2	85.3	85.4	85.6
≥ 1800	54.6	71.2	75.6	79.0	82.4	83.2	84.4	85.2	85.5	85.8	85.9	86.0	86.1	86.2	86.2	86.4
≥ 1500	55.3	72.7	77.6	81.3	85.1	86.0	87.3	88.2	88.6	88.9	89.0	89.1	89.2	89.3	89.3	89.5
≥ 1200	55.7	73.8	79.3	83.6	88.0	89.0	90.5	91.5	91.9	92.2	92.3	92.4	92.5	92.6	92.6	92.8
≥ 1000	55.8	74.2	80.0	84.6	89.6	90.7	92.3	93.4	93.8	94.2	94.3	94.4	94.5	94.6	94.6	94.8
≥ 900	55.8	74.4	80.2	85.1	90.3	91.5	93.2	94.4	94.8	95.2	95.3	95.4	95.5	95.5	95.6	95.8
≥ 800	55.9	74.6	80.4	85.4	91.0	92.2	94.0	95.3	95.8	96.2	96.3	96.4	96.4	96.5	96.6	96.8
≥ 700	55.9	74.6	80.6	85.7	91.6	92.9	94.8	96.2	96.6	97.0	97.1	97.2	97.3	97.4	97.4	97.6
≥ 600	56.0	74.6	80.6	85.7	91.7	93.1	95.0	96.5	96.9	97.4	97.5	97.6	97.7	97.8	97.8	98.0
≥ 500	56.0	74.6	80.6	85.8	91.9	93.2	95.2	96.7	97.4	97.8	98.0	98.1	98.3	98.3	98.4	98.6
≥ 400	56.0	74.6	80.6	85.8	92.0	93.4	95.4	97.0	97.7	98.3	98.5	98.7	98.8	98.9	99.0	99.3
≥ 300	56.0	74.6	80.6	85.8	92.0	93.4	95.5	97.1	97.9	98.6	98.8	98.9	99.1	99.2	99.3	99.7
≥ 200	56.0	74.6	80.6	85.8	92.0	93.4	95.5	97.2	97.9	98.6	98.9	99.0	99.1	99.4	99.5	99.9
≥ 100	56.0	74.6	80.6	85.8	92.0	93.4	95.5	97.2	97.9	98.6	98.9	99.0	99.1	99.4	99.5	99.9
≥ 0	56.0	74.6	80.6	85.8	92.0	93.4	95.5	97.2	97.9	98.6	98.9	99.0	99.1	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 5931

USAF ETAC FORM JUL 66 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | SEMBACH AB DL STATION NAME | 65-68,76-77,79-80 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0259 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.9	46.0	48.7	50.8	52.1	52.1	52.3	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.9
≥ 20000	34.1	48.1	50.8	52.9	54.8	54.8	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.3
≥ 18000	34.1	48.1	50.8	52.9	54.8	54.8	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.3
≥ 16000	34.1	48.1	50.8	52.9	54.8	54.8	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.3
≥ 14000	34.1	48.1	50.8	52.9	54.8	54.8	55.0	55.3	55.3	55.7	55.7	55.7	55.7	55.7	55.7	56.3
≥ 12000	35.3	49.6	52.3	54.4	56.3	56.3	56.5	56.7	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.3
≥ 10000	36.1	51.5	54.2	56.3	58.2	58.2	58.4	58.6	58.6	59.0	59.0	59.0	59.0	59.0	59.2	59.9
≥ 9000	37.8	54.2	57.1	59.2	61.1	61.1	61.3	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.2	62.8
≥ 8000	40.1	60.7	63.7	65.8	68.1	68.1	68.5	68.7	68.7	69.1	69.1	69.1	69.1	69.1	69.3	70.1
≥ 7000	41.0	63.2	66.4	68.5	71.6	71.6	72.1	72.3	72.5	72.9	72.9	72.9	72.9	72.9	73.1	73.7
≥ 6000	42.2	64.9	68.3	70.6	73.9	73.9	74.4	74.6	74.8	75.4	75.4	75.4	75.4	75.4	75.6	76.3
≥ 5000	44.3	68.1	71.6	74.4	77.9	78.6	79.0	79.2	79.4	80.0	80.0	80.0	80.0	80.0	80.3	81.9
≥ 4500	45.2	70.2	73.9	76.7	80.3	80.9	81.3	81.5	81.7	82.4	82.4	82.4	82.4	82.4	82.6	83.2
≥ 4000	46.2	71.6	75.8	79.4	83.2	84.0	84.9	85.1	85.3	85.9	85.9	85.9	85.9	85.9	86.1	86.8
≥ 3500	46.6	72.3	76.9	80.9	85.1	85.9	86.8	87.0	87.2	87.8	87.8	87.8	87.8	87.8	88.0	88.7
≥ 3000	47.3	73.7	78.4	82.4	86.6	87.4	88.2	88.4	88.7	89.3	89.3	89.3	89.3	89.3	89.5	90.1
≥ 2500	47.5	74.8	79.6	83.8	88.0	88.9	89.7	89.9	90.1	90.8	90.8	90.8	90.8	90.8	91.0	91.6
≥ 2000	47.9	76.7	81.9	86.1	90.3	91.2	92.0	92.2	92.4	93.1	93.1	93.1	93.1	93.1	93.3	93.9
≥ 1800	47.9	76.9	82.1	86.3	90.5	91.4	92.2	92.4	92.6	93.3	93.3	93.3	93.3	93.3	93.5	94.1
≥ 1500	48.3	77.3	82.6	86.8	91.6	92.4	93.3	93.5	93.7	94.3	94.3	94.3	94.3	94.3	94.5	95.2
≥ 1200	48.3	77.7	83.2	88.0	92.9	93.7	94.5	95.0	95.2	95.8	95.8	95.8	95.8	95.8	96.0	96.6
≥ 1000	48.3	77.9	83.4	88.2	93.3	94.1	95.0	95.4	95.6	96.2	96.2	96.2	96.2	96.2	96.4	97.1
≥ 900	48.3	77.9	83.8	88.7	93.9	94.7	95.8	96.2	96.4	97.1	97.1	97.1	97.1	97.1	97.3	97.9
≥ 800	48.3	77.9	83.8	88.7	94.1	95.2	96.2	96.6	96.8	97.5	97.5	97.5	97.5	97.5	97.7	98.3
≥ 700	48.3	77.9	83.8	88.7	94.3	95.4	96.4	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.9	98.5
≥ 600	48.3	77.9	83.8	88.7	94.3	95.4	96.4	96.8	97.1	97.7	97.7	97.7	97.7	97.7	97.9	98.5
≥ 500	48.3	77.9	83.8	88.7	94.3	95.4	96.4	97.1	97.3	97.9	97.9	97.9	97.9	97.9	98.1	98.7
≥ 400	48.3	77.9	83.8	88.7	94.3	95.5	96.6	97.3	97.5	98.1	98.1	98.1	98.1	98.1	98.3	98.9
≥ 300	48.3	77.9	83.8	88.7	94.3	95.4	96.6	97.3	97.5	98.1	98.3	98.3	98.3	98.3	98.5	99.2
≥ 200	48.3	77.9	83.8	88.7	94.3	95.4	96.6	97.3	97.5	98.1	98.5	98.5	98.5	98.5	98.9	99.8
≥ 100	48.3	77.9	83.8	88.7	94.3	95.4	96.6	97.3	97.5	98.1	98.5	98.5	98.5	98.5	99.2	100.0
≥ 0	48.3	77.9	83.8	88.7	94.3	95.4	96.6	97.3	97.5	98.1	98.5	98.5	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 975

USAF ETAC FORM JUL 68 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7123	SEMBACH AB DL	65-68,77-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-[illegible] L
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	23.8	37.3	40.2	41.5	43.7	43.9	44.7	45.1	45.3	45.4	45.9	46.1	46.3	46.5	47.2	47.8
≥ 20000	24.4	38.0	40.9	42.1	44.6	44.7	45.8	46.3	46.5	46.6	47.2	47.3	47.5	47.7	48.4	49.1
≥ 18000	24.5	38.2	41.1	42.3	44.7	44.9	45.9	46.5	46.6	46.8	47.3	47.5	47.7	47.8	48.5	49.2
≥ 16000	24.5	38.2	41.1	42.3	44.7	44.9	45.9	46.5	46.6	46.8	47.3	47.5	47.7	47.8	48.5	49.2
≥ 14000	24.5	38.2	41.1	42.3	44.7	44.9	45.9	46.5	46.6	46.8	47.3	47.5	47.7	47.8	48.5	49.2
≥ 12000	24.7	38.3	41.3	42.5	44.9	45.1	46.1	46.6	46.8	47.0	47.5	47.7	47.8	48.0	48.7	49.4
≥ 10000	26.1	40.2	43.4	44.6	47.3	47.5	48.5	49.2	49.4	49.6	50.1	50.4	50.6	50.8	51.5	52.2
≥ 9000	27.5	42.3	45.6	47.0	49.7	49.9	50.9	51.6	51.8	52.0	52.5	52.8	53.0	53.2	53.9	54.6
≥ 8000	28.8	46.3	49.7	51.3	54.2	54.4	55.6	56.3	56.5	56.8	57.5	57.9	58.0	58.2	59.1	60.1
≥ 7000	31.3	50.8	54.6	56.5	59.6	59.8	61.5	62.2	62.3	63.0	63.7	64.1	64.2	64.4	65.3	66.5
≥ 6000	32.6	53.2	57.2	59.1	62.5	62.7	64.6	65.3	65.5	66.1	67.0	67.4	67.5	67.7	68.6	69.9
≥ 5000	34.4	55.8	60.4	62.7	66.1	66.3	68.2	68.9	69.1	69.8	70.6	71.0	71.2	71.3	72.2	73.6
≥ 4500	35.8	58.0	62.9	65.3	68.7	68.9	70.8	71.5	71.7	72.4	73.2	73.6	73.7	73.9	74.8	76.2
≥ 4000	35.9	58.9	64.1	66.8	70.5	70.6	72.5	73.2	73.4	74.1	75.0	75.3	75.5	75.6	76.5	77.9
≥ 3500	36.1	59.6	64.8	68.2	72.5	72.7	74.6	75.3	75.5	76.2	77.0	77.4	77.5	77.7	78.6	80.0
≥ 3000	37.5	61.1	66.3	69.8	74.1	74.3	76.2	76.9	77.0	77.7	78.6	78.9	79.1	79.3	80.1	81.5
≥ 2500	37.5	61.1	66.3	69.8	74.6	75.0	76.9	77.5	77.7	78.4	79.3	79.6	79.8	80.0	80.8	82.2
≥ 2000	38.2	63.4	69.3	73.1	78.2	78.8	80.7	81.5	81.7	82.4	83.2	83.6	83.8	83.9	84.8	86.2
≥ 1800	38.9	64.1	69.9	73.7	79.1	79.6	81.5	82.4	82.6	83.2	84.1	84.5	84.6	84.8	85.7	87.1
≥ 1500	39.6	65.8	72.4	76.2	81.9	82.4	84.5	85.3	85.7	86.4	87.2	87.6	87.7	87.9	88.8	90.2
≥ 1200	39.9	67.2	73.9	78.4	84.5	85.1	87.6	88.4	88.8	89.5	90.3	90.7	90.8	91.0	91.9	93.3
≥ 1000	40.2	68.2	75.1	79.6	85.7	86.5	88.9	89.8	90.2	90.8	91.7	92.1	92.2	92.4	93.3	94.6
≥ 900	40.4	68.6	75.5	80.0	86.0	86.9	89.5	90.3	90.7	91.4	92.2	92.6	92.7	92.9	93.8	95.2
≥ 800	40.4	68.6	75.5	80.1	86.4	87.2	89.8	90.7	91.0	91.7	92.6	92.9	93.1	93.3	94.1	95.5
≥ 700	40.4	68.6	75.5	80.3	86.9	87.9	90.5	91.4	91.7	92.4	93.3	93.6	93.8	94.0	94.8	96.2
≥ 600	40.4	68.6	75.5	80.3	87.0	88.1	90.8	92.1	92.4	93.3	94.1	94.5	94.6	94.8	95.7	97.1
≥ 500	40.4	68.6	75.5	80.3	87.2	88.3	91.4	92.6	92.9	93.8	94.6	95.0	95.2	95.3	96.2	97.6
≥ 400	40.4	68.6	75.5	80.3	87.4	88.4	91.5	92.7	93.1	94.0	94.8	95.2	95.3	95.5	96.4	98.1
≥ 300	40.4	68.6	75.5	80.3	87.4	88.4	91.5	92.7	93.1	94.0	94.8	95.2	95.3	95.5	96.9	98.6
≥ 200	40.4	68.6	75.5	80.3	87.4	88.4	91.5	92.9	93.3	94.1	95.0	95.3	95.5	96.2	97.6	99.8
≥ 100	40.4	68.6	75.5	80.3	87.4	88.4	91.5	92.9	93.3	94.1	95.0	95.3	95.5	96.2	97.8	100.0
≥ 0	40.4	68.6	75.5	80.3	87.4	88.4	91.5	92.9	93.3	94.1	95.0	95.3	95.5	96.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72120 | SEMBACH AB DL | 65-68,76-81 | MAY

STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	26.7	34.5	36.4	37.3	38.8	39.5	39.8	39.9	40.1	40.6	40.8	40.8	41.0	41.2	41.7	42.2
≥ 20000	28.4	36.5	38.4	39.6	41.6	42.3	42.7	42.9	43.1	43.7	44.0	44.0	44.1	44.3	44.9	45.4
≥ 18000	28.6	36.6	38.6	39.8	41.7	42.4	42.8	43.0	43.3	43.9	44.1	44.1	44.2	44.5	45.1	45.6
≥ 16000	28.6	36.6	38.6	39.8	41.7	42.4	42.8	43.0	43.3	43.9	44.1	44.1	44.2	44.5	45.1	45.5
≥ 14000	28.7	36.7	38.7	39.9	41.8	42.5	42.9	43.1	43.4	44.0	44.2	44.2	44.3	44.6	45.2	45.7
≥ 12000	29.3	37.6	39.5	40.7	42.8	43.5	43.9	44.1	44.3	44.9	45.2	45.2	45.3	45.5	46.1	46.6
≥ 10000	31.0	40.4	42.4	43.9	46.4	47.1	47.5	48.1	48.3	48.9	49.2	49.2	49.3	49.5	50.1	50.6
≥ 9000	31.9	42.0	44.2	45.8	48.6	49.3	49.6	50.2	50.5	51.1	51.3	51.3	51.4	51.7	52.3	52.8
≥ 8000	33.7	45.5	47.7	49.5	52.8	53.6	54.0	54.8	55.2	55.9	56.1	56.1	56.3	56.6	57.2	57.8
≥ 7000	36.1	48.9	51.7	53.6	57.1	58.0	58.4	59.3	59.6	60.5	60.7	60.7	60.8	61.3	61.9	62.5
≥ 6000	37.5	50.8	54.0	56.1	59.8	60.7	61.2	62.0	62.4	63.4	63.6	63.6	63.7	64.2	64.8	65.4
≥ 5000	38.7	52.8	56.1	58.7	62.4	63.4	64.0	64.8	65.2	66.1	66.4	66.4	66.5	67.0	67.6	68.2
≥ 4500	39.8	54.8	58.2	60.8	64.8	65.8	66.4	67.2	67.6	68.6	68.8	68.8	68.9	69.4	70.0	70.6
≥ 4000	41.0	56.5	60.1	62.9	67.1	68.1	68.7	69.5	70.0	71.0	71.2	71.2	71.3	71.8	72.4	73.0
≥ 3500	42.0	58.1	61.7	64.7	69.2	70.2	70.8	71.7	72.3	73.3	73.5	73.5	73.6	74.1	74.7	75.3
≥ 3000	43.9	60.0	63.9	66.9	71.7	72.9	73.5	74.5	75.1	76.0	76.3	76.3	76.4	76.9	77.5	78.1
≥ 2500	44.3	60.8	65.1	68.1	73.3	74.5	75.2	76.1	76.9	77.8	78.1	78.2	78.3	78.8	79.4	80.0
≥ 2000	45.1	62.4	66.9	70.2	75.5	76.7	77.5	78.4	79.2	80.1	80.4	80.5	80.6	81.1	81.7	82.3
≥ 1800	45.3	62.9	67.5	71.1	76.5	77.7	78.4	79.4	80.1	81.1	81.3	81.4	81.6	82.0	82.7	83.3
≥ 1500	46.5	65.3	70.1	74.1	80.0	81.2	81.9	83.0	83.7	84.7	84.9	85.1	85.2	85.7	86.3	86.9
≥ 1200	47.5	67.1	72.4	76.9	83.6	84.8	85.7	86.7	87.6	88.6	88.8	88.9	89.0	89.5	90.1	90.7
≥ 1000	47.6	67.7	73.4	78.0	84.9	86.1	87.1	88.2	89.0	90.0	90.2	90.4	90.5	91.1	91.7	92.3
≥ 900	48.1	68.4	74.2	78.8	85.8	87.0	88.1	89.2	90.0	91.0	91.4	91.6	91.7	92.3	92.9	93.5
≥ 800	48.1	68.7	74.6	79.2	86.1	87.3	88.6	89.6	90.5	91.6	92.2	92.3	92.4	93.0	93.6	94.2
≥ 700	48.2	69.0	75.2	79.9	87.0	88.3	89.5	90.6	91.7	93.0	93.6	93.7	93.9	94.6	95.2	95.8
≥ 600	48.4	69.3	75.4	80.2	87.7	89.0	90.2	91.6	92.7	94.1	94.7	94.8	94.9	95.7	96.3	96.9
≥ 500	48.7	69.5	75.7	80.5	88.1	89.4	90.6	92.2	93.3	94.7	95.3	95.4	95.5	96.3	96.9	97.5
≥ 400	48.7	69.5	75.7	80.5	88.2	89.5	90.8	92.7	93.9	95.4	96.0	96.1	96.3	97.0	97.6	98.2
≥ 300	48.7	69.5	75.7	80.5	88.2	89.5	91.0	92.8	94.0	95.8	96.5	96.7	96.9	97.7	98.3	99.0
≥ 200	48.7	69.5	75.7	80.5	88.2	89.5	91.0	92.8	94.0	95.9	96.7	97.0	97.2	98.1	98.7	99.9
≥ 100	48.7	69.5	75.7	80.5	88.2	89.5	91.0	92.8	94.0	95.9	96.7	97.0	97.2	98.1	98.7	100.0
≥ 0	48.7	69.5	75.7	80.5	88.2	89.5	91.0	92.8	94.0	95.9	96.7	97.0	97.2	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 830

USAF ETAC FORM JUL 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7128 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0930-1130 (HOURS (L.S.T.))

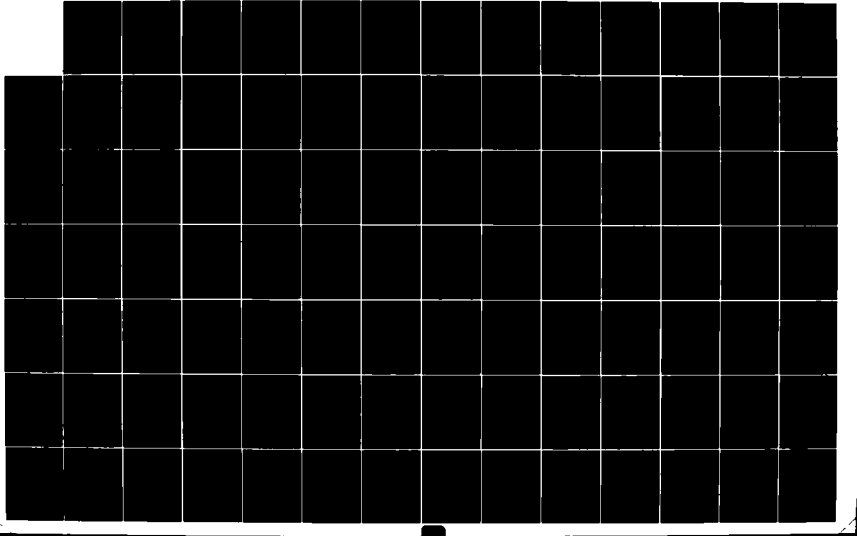
CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.4	38.7	41.1	40.6	41.2	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 20000	36.4	42.9	44.2	45.1	45.7	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	36.8	43.2	44.6	45.4	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 16000	36.8	43.2	44.6	45.4	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 14000	36.8	43.2	44.8	45.7	46.2	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	37.4	44.1	45.7	46.5	47.2	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 10000	38.9	46.0	47.6	48.6	49.3	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9000	39.6	47.3	49.2	50.5	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 8000	42.0	50.9	53.1	54.4	55.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 7000	44.2	53.8	56.3	57.6	58.7	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	44.7	54.8	57.3	58.8	59.9	60.2	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 5000	45.6	56.0	58.8	60.5	61.9	62.1	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4500	47.1	58.0	60.8	62.7	64.1	64.3	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4000	48.3	59.6	62.5	64.5	66.0	66.2	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 3500	51.4	63.7	66.6	68.8	70.5	70.7	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	54.9	68.5	71.7	73.9	75.7	76.0	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500	57.7	72.3	75.7	78.0	80.1	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	60.4	75.9	79.4	81.9	84.1	84.4	84.5	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 1800	60.9	76.7	80.4	83.1	85.3	85.6	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1500	62.0	79.3	83.2	86.2	88.6	88.9	89.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1200	62.8	81.0	85.4	88.7	91.4	91.8	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	63.6	82.1	86.9	90.3	93.4	93.7	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	63.7	82.3	87.7	91.3	94.4	94.7	95.4	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	64.1	82.9	88.4	92.2	95.4	95.7	96.4	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	64.2	83.0	88.8	92.6	95.9	96.3	97.0	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	64.2	83.0	89.0	92.9	96.4	96.7	97.5	98.1	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	64.4	83.2	89.2	93.1	96.7	97.0	97.8	98.8	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	64.4	83.2	89.2	93.1	96.7	97.0	97.8	98.9	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9
≥ 300	64.4	83.2	89.2	93.1	96.7	97.0	97.8	98.9	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 200	64.4	83.2	89.2	93.1	96.7	97.0	97.8	98.9	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	64.4	83.2	89.2	93.1	96.7	97.0	97.8	98.9	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	64.4	83.2	89.2	93.1	96.7	97.0	97.8	98.9	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0

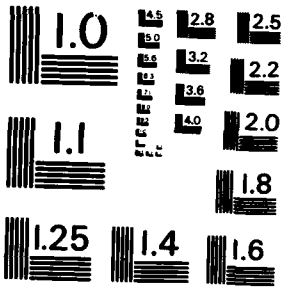
TOTAL NUMBER OF OBSERVATIONS 711

AD-A122 711 SEMBACH AB GERMANY. (WEST) REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 28 JUL 82

UNCLASSIFIED USAFETAC/DS-82-048 SBI-AD-E850 204 F/G 4/2 NL

3/5





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7128	SEMBACH AB DL	65-68,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.8	37.9	38.1	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥ 20000	36.1	42.3	42.5	42.7	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	36.5	42.7	43.0	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 16000	36.5	42.7	43.0	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 14000	36.8	43.1	43.3	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 12000	37.3	43.5	43.7	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 10000	38.7	45.4	45.6	45.8	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 9000	40.1	46.9	47.2	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 8000	44.0	51.7	52.3	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	45.9	53.9	54.5	54.8	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	47.0	56.1	56.8	57.0	57.4	57.4	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	48.3	57.8	58.7	58.9	59.2	59.2	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4500	51.5	61.6	62.8	63.1	63.4	63.4	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 4000	56.5	67.7	69.1	69.3	69.6	69.6	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 3500	61.9	74.4	76.0	76.2	76.5	76.5	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.6	76.8	76.8
≥ 3000	66.7	79.9	81.5	82.0	82.5	82.5	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	69.1	84.0	85.7	86.2	87.0	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	71.1	87.8	89.5	90.1	91.1	91.1	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	71.4	88.0	89.8	90.5	91.6	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	72.3	89.4	91.6	92.2	93.3	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1200	73.1	90.9	93.7	94.3	95.5	95.6	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	73.1	90.9	94.0	94.6	96.1	96.2	96.6	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	73.1	90.9	94.0	94.8	96.8	96.9	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	73.1	91.1	94.2	95.0	97.0	97.2	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	73.2	91.3	94.4	95.2	97.3	97.4	97.8	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	73.2	91.3	94.4	95.2	97.4	97.5	98.0	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	73.3	91.4	94.6	95.4	97.8	97.9	98.6	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	73.3	91.4	94.6	95.4	97.9	98.0	98.7	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	73.3	91.4	94.6	95.4	97.9	98.0	98.7	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	73.3	91.4	94.6	95.4	97.9	98.0	98.7	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	73.3	91.4	94.6	95.4	97.9	98.0	98.7	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	73.3	91.4	94.6	95.4	97.9	98.0	98.7	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 915

USAF ETAC FORM JUL 64 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.8	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 20000	40.8	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.6	46.8	46.8
≥ 18000	41.0	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 16000	41.0	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 14000	41.4	46.9	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	42.7	48.3	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000	46.5	52.3	52.8	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
≥ 9000	47.6	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	50.4	57.5	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	55.1	63.7	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 6000	57.8	67.3	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 5000	60.9	71.1	72.3	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	63.7	74.3	75.5	75.8	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 4000	67.8	79.5	80.7	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500	70.5	83.1	84.5	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 3000	73.3	86.6	88.0	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	74.2	88.2	89.7	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 2000	75.6	90.5	92.5	92.9	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	76.3	91.2	93.2	93.7	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	77.3	92.4	94.5	95.0	95.9	96.1	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200	77.6	92.8	94.9	95.5	96.7	96.9	97.3	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	77.7	93.0	95.7	96.2	97.6	97.8	98.2	98.3	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	77.7	93.0	95.7	96.6	97.9	98.1	98.6	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	77.7	93.0	95.7	96.7	98.3	98.6	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	77.7	93.0	95.7	96.7	98.3	98.6	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	77.7	93.0	95.7	96.7	98.3	98.6	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	77.7	93.0	95.9	96.9	98.6	98.8	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	77.7	93.0	95.9	96.9	98.6	98.8	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	77.7	93.0	95.9	96.9	98.6	98.8	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.7	93.0	95.9	96.9	98.6	98.8	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.7	93.0	95.9	96.9	98.6	98.8	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.7	93.0	95.9	96.9	98.6	98.8	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 992

USAF ETAC FORM JUL 68 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120	SEMBACH AB DL	65-68,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	41.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	47.3	52.6	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	47.9	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	47.9	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	48.5	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	49.4	54.7	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 10000	53.7	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 9000	55.2	61.5	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 8000	61.6	68.6	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	65.8	74.0	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000	68.5	77.7	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	71.1	80.6	81.7	82.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	72.0	82.0	83.3	83.7	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 4000	73.7	83.8	85.4	85.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	75.1	85.9	87.8	88.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3000	75.9	87.5	89.8	90.4	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	76.9	89.0	91.2	92.0	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 2000	77.5	89.6	92.1	93.1	94.6	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1800	77.5	89.8	92.2	93.2	94.8	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	77.7	90.1	92.7	94.1	95.9	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	78.1	90.6	93.2	94.6	96.8	97.3	97.4	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000	78.1	91.0	93.7	95.3	97.8	98.3	98.5	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	78.1	91.0	93.7	95.3	97.8	98.3	98.5	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.1	91.0	93.7	95.4	97.9	98.5	98.8	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 810

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7127 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	38.5	49.6	50.3	50.3	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	42.2	53.3	54.0	54.2	54.2	54.3	54.7	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	55.0
≥ 18000	42.5	53.6	54.3	54.5	54.5	54.6	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.3
≥ 16000	42.5	53.6	54.3	54.5	54.5	54.6	55.0	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.3
≥ 14000	42.7	53.9	54.6	54.7	54.7	54.9	55.3	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.6
≥ 12000	44.3	55.5	56.2	56.3	56.3	56.5	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.2
≥ 10000	45.5	57.5	58.3	58.5	58.5	58.6	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.3
≥ 9000	47.0	59.1	60.5	60.6	60.6	60.8	61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 8000	51.1	63.4	64.9	65.5	65.5	65.8	66.2	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.5
≥ 7000	52.6	66.8	69.3	70.3	70.5	70.8	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8
≥ 6000	54.3	70.0	72.6	73.6	73.9	74.1	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.1
≥ 5000	57.3	74.3	77.2	78.9	79.2	79.7	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.7
≥ 4500	60.1	78.3	81.2	82.9	83.2	83.9	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.9
≥ 4000	62.1	81.6	85.1	86.8	87.1	87.9	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	89.1
≥ 3500	63.2	83.0	86.5	88.2	88.8	89.8	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.9
≥ 3000	63.8	84.1	87.6	89.4	90.2	91.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.7
≥ 2500	64.1	84.6	88.2	89.9	90.8	92.1	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.5
≥ 2000	64.5	85.2	88.8	90.7	91.8	93.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.7
≥ 1800	64.5	85.3	89.2	91.1	92.2	93.7	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.3
≥ 1500	64.5	85.4	89.5	91.8	93.1	94.5	96.0	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.4
≥ 1200	64.7	85.8	89.7	92.4	94.0	95.4	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.3
≥ 1000	64.7	85.9	90.2	93.0	94.8	96.3	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 900	64.7	85.9	90.2	93.0	94.8	96.3	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 800	64.7	85.9	90.2	93.0	94.8	96.3	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.7
≥ 700	64.7	85.9	90.2	93.0	94.8	96.3	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1
≥ 600	64.7	85.9	90.2	93.0	94.8	96.3	98.3	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.3
≥ 500	64.7	85.9	90.2	93.0	94.8	96.3	98.3	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.3
≥ 400	64.7	85.9	90.2	93.0	94.8	96.3	98.4	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.6
≥ 300	64.7	85.9	90.2	93.0	94.8	96.3	98.6	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.9
≥ 200	64.7	85.9	90.2	93.0	94.8	96.3	98.7	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	64.7	85.9	90.2	93.0	94.8	96.3	98.7	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	64.7	85.9	90.2	93.0	94.8	96.3	98.7	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.7	40.7	41.8	42.4	43.0	43.1	43.3	43.4	43.4	43.5	43.6	43.6	43.7	43.7	43.8	44.0
≥ 20000	36.7	44.9	46.0	46.7	47.4	47.6	47.8	47.9	48.0	48.1	48.2	48.2	48.2	48.3	48.4	48.6
≥ 18000	37.0	45.2	46.3	47.0	47.	47.9	48.1	48.2	48.3	48.4	48.5	48.5	48.5	48.6	48.7	48.9
≥ 16000	37.0	45.2	46.3	47.0	47.7	47.9	48.1	48.2	48.3	48.4	48.5	48.5	48.5	48.6	48.7	48.9
≥ 14000	37.2	45.4	46.6	47.2	48.0	48.2	48.4	48.5	48.5	48.7	48.8	48.8	48.8	48.9	49.0	49.2
≥ 12000	38.1	46.3	47.5	48.2	49.0	49.1	49.4	49.5	49.5	49.7	49.7	49.8	49.8	49.8	50.0	50.2
≥ 10000	40.2	49.0	50.3	51.0	51.9	52.0	52.2	52.4	52.5	52.6	52.7	52.7	52.8	52.8	53.0	53.2
≥ 9000	41.4	50.7	52.2	53.0	53.9	54.1	54.3	54.5	54.5	54.6	54.7	54.8	54.8	54.8	55.0	55.2
≥ 8000	44.7	55.4	57.0	57.9	59.0	59.2	59.5	59.7	59.7	59.9	60.0	60.0	60.1	60.1	60.3	60.5
≥ 7000	47.3	59.2	61.2	62.2	63.5	63.7	64.0	64.2	64.3	64.6	64.7	64.7	64.7	64.8	65.0	65.2
≥ 6000	48.9	61.7	63.8	64.8	66.2	66.4	66.8	67.1	67.2	67.4	67.6	67.6	67.6	67.7	67.9	68.2
≥ 5000	50.9	64.3	66.7	68.0	69.6	69.9	70.3	70.6	70.6	70.9	71.0	71.0	71.1	71.2	71.3	71.6
≥ 4500	52.7	66.9	69.4	70.8	72.4	72.8	73.2	73.5	73.5	73.8	73.9	73.9	74.0	74.1	74.2	74.5
≥ 4000	55.1	69.9	72.6	74.2	75.9	76.3	76.7	77.0	77.1	77.3	77.5	77.5	77.5	77.6	77.8	78.1
≥ 3500	57.2	72.8	75.7	77.4	79.3	79.7	80.1	80.4	80.5	80.8	80.9	80.9	81.0	81.1	81.2	81.5
≥ 3000	59.4	75.7	78.7	80.5	82.6	83.1	83.6	83.9	84.0	84.3	84.4	84.4	84.4	84.5	84.7	85.0
≥ 2500	60.6	77.6	80.7	82.6	84.9	85.4	85.9	86.2	86.3	86.6	86.7	86.8	86.8	86.9	87.1	87.3
≥ 2000	61.8	79.7	83.1	85.1	87.6	88.2	88.8	89.1	89.2	89.5	89.6	89.6	89.7	89.8	89.9	90.2
≥ 1800	62.1	80.2	83.7	85.7	88.3	88.9	89.4	89.8	89.9	90.2	90.3	90.3	90.4	90.4	90.6	90.9
≥ 1500	62.9	81.5	85.2	87.5	90.3	90.9	91.6	92.0	92.1	92.4	92.5	92.5	92.6	92.7	92.8	93.1
≥ 1200	63.4	82.6	86.5	89.1	92.2	92.8	93.6	94.1	94.2	94.6	94.7	94.8	94.8	94.9	95.0	95.3
≥ 1000	63.6	83.1	87.3	89.9	93.3	93.9	94.8	95.3	95.5	95.8	95.9	96.0	96.0	96.1	96.3	96.6
≥ 900	63.7	83.2	87.6	90.3	93.8	94.4	95.3	95.8	96.0	96.4	96.5	96.6	96.6	96.7	96.9	97.2
≥ 800	63.7	83.4	87.8	90.6	94.1	94.8	95.8	96.3	96.5	96.9	97.0	97.1	97.1	97.2	97.4	97.7
≥ 700	63.8	83.4	88.0	90.8	94.4	95.1	96.1	96.8	97.0	97.4	97.6	97.6	97.7	97.8	98.0	98.3
≥ 600	63.8	83.5	88.0	90.9	94.6	95.3	96.4	97.1	97.4	97.9	98.0	98.1	98.1	98.2	98.4	98.7
≥ 500	63.9	83.6	88.2	91.0	94.8	95.5	96.6	97.4	97.7	98.2	98.4	98.4	98.5	98.6	98.8	99.1
≥ 400	63.9	83.6	88.2	91.0	94.9	95.6	96.7	97.6	97.9	98.5	98.7	98.7	98.8	98.9	99.1	99.4
≥ 300	63.9	83.6	88.2	91.0	94.9	95.6	96.8	97.6	98.0	98.6	98.8	98.9	99.0	99.1	99.3	99.7
≥ 200	63.9	83.6	88.2	91.0	94.9	95.6	96.8	97.7	98.0	98.7	98.9	99.0	99.1	99.2	99.5	100.0
≥ 100	63.9	83.6	88.2	91.0	94.9	95.6	96.8	97.7	98.0	98.7	98.9	99.0	99.1	99.2	99.5	100.0
≥ 0	63.9	83.6	88.2	91.0	94.9	95.6	96.8	97.7	98.0	98.7	98.9	99.0	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6119

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-77,79-81 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	21.7	40.9	43.3	45.0	47.8	48.2	48.6	48.6	48.8	49.0	49.3	49.3	49.7	49.9	49.9	50.7
≥ 20000	22.8	42.4	45.2	47.1	50.3	50.7	51.2	51.2	51.6	51.8	52.0	52.0	52.5	52.7	52.7	53.5
≥ 18000	22.8	42.4	45.2	47.1	50.3	50.7	51.2	51.2	51.6	51.8	52.0	52.0	52.5	52.7	52.7	53.5
≥ 16000	22.8	42.4	45.2	47.1	50.3	50.7	51.2	51.2	51.6	51.8	52.0	52.0	52.5	52.7	52.7	53.5
≥ 14000	22.8	42.4	45.2	47.1	50.3	50.7	51.2	51.2	51.6	51.8	52.0	52.0	52.5	52.7	52.7	53.5
≥ 12000	22.8	42.4	45.2	47.3	50.5	51.0	51.4	51.4	51.8	52.0	52.2	52.2	52.7	52.9	52.9	53.7
≥ 10000	24.9	46.1	49.3	51.4	54.6	55.2	55.9	55.9	56.3	56.5	56.7	56.7	57.1	57.4	57.4	58.2
≥ 9000	25.8	48.0	51.2	53.3	56.5	57.1	57.8	57.8	58.2	58.4	58.6	58.6	59.1	59.3	59.3	60.1
≥ 8000	28.6	53.1	57.1	60.6	64.6	66.3	67.2	67.2	67.6	68.0	68.2	68.2	68.7	68.9	68.9	69.7
≥ 7000	30.1	55.2	59.9	63.8	68.0	69.7	70.6	70.6	71.0	71.4	71.6	71.6	72.1	72.3	72.3	73.1
≥ 6000	30.5	56.7	61.6	65.5	69.7	71.4	72.3	72.3	72.7	73.1	73.3	73.3	73.8	74.0	74.0	74.8
≥ 5000	31.3	58.6	63.5	67.4	71.6	73.3	74.2	74.2	74.8	75.5	75.7	75.7	76.1	76.3	76.3	77.4
≥ 4500	32.2	60.3	65.5	69.5	73.8	75.5	76.3	76.3	77.0	77.6	77.8	77.8	78.3	78.5	78.5	79.5
≥ 4000	33.1	62.7	67.8	71.9	77.0	78.7	79.7	79.7	80.4	81.0	81.2	81.2	81.7	81.9	81.9	82.9
≥ 3500	35.0	64.4	69.5	73.6	78.7	80.4	81.4	81.4	82.1	82.7	82.9	82.9	83.4	83.6	83.6	84.6
≥ 3000	35.2	65.9	71.4	75.5	80.8	82.5	83.6	83.6	84.2	84.9	85.1	85.1	85.5	85.7	85.7	87.2
≥ 2500	35.2	66.3	71.9	75.9	81.2	82.9	85.1	85.9	86.6	87.2	87.4	87.4	87.8	88.1	88.1	89.6
≥ 2000	35.8	68.0	73.6	77.6	83.6	85.3	87.4	88.3	88.9	89.6	89.8	89.8	90.2	90.4	90.4	91.9
≥ 1800	35.8	68.0	73.6	77.6	83.6	85.3	87.6	88.5	89.3	90.0	90.2	90.2	90.6	90.8	90.8	92.3
≥ 1500	35.8	69.3	75.1	79.1	85.3	87.0	89.8	90.6	91.5	92.1	92.3	92.3	92.8	93.0	93.0	94.5
≥ 1200	36.2	70.6	76.3	80.4	86.6	88.5	91.7	92.5	93.6	94.9	95.1	95.1	95.5	95.7	95.7	97.2
≥ 1000	36.2	70.6	76.3	80.6	87.0	89.1	92.3	93.4	94.5	95.7	95.9	95.9	96.4	96.6	96.6	98.1
≥ 900	36.2	70.6	76.3	80.6	87.0	89.1	92.3	93.4	94.5	95.7	95.9	95.9	96.4	96.6	96.6	98.1
≥ 800	36.2	70.6	76.3	80.6	87.0	89.1	92.3	93.4	94.5	95.7	96.2	96.2	96.6	96.8	96.8	98.3
≥ 700	36.2	70.6	76.3	80.6	87.0	89.1	92.5	93.6	94.7	95.9	96.4	96.4	96.8	97.0	97.0	98.5
≥ 600	36.2	70.6	76.3	80.6	87.0	89.3	93.0	94.0	95.1	96.4	96.8	96.8	97.2	97.4	97.4	98.9
≥ 500	36.2	70.6	76.3	80.6	87.2	89.6	93.2	94.5	95.5	96.8	97.2	97.2	97.7	97.9	97.9	99.4
≥ 400	36.2	70.6	76.3	80.6	87.2	89.6	93.4	94.7	95.7	97.0	97.4	97.4	97.9	98.1	98.1	99.6
≥ 300	36.2	70.6	76.3	80.6	87.2	89.6	93.4	94.7	95.7	97.0	97.4	97.4	97.9	98.1	98.1	99.8
≥ 200	36.2	70.6	76.3	80.6	87.2	89.6	93.4	94.7	95.7	97.0	97.4	97.4	97.9	98.1	98.1	100.0
≥ 100	36.2	70.6	76.3	80.6	87.2	89.6	93.4	94.7	95.7	97.0	97.4	97.4	97.9	98.1	98.1	100.0
0	36.2	70.6	76.3	80.6	87.2	89.6	93.4	94.7	95.7	97.0	97.4	97.4	97.9	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 469

USAF ETAC FORM JUL 80 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL — 65-68,77-81 — JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) — 0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	2	≥1½	≥1	≥¾	≥½	≥¼	<¼	≥0	0
NO CEILING	18.0	29.3	32.5	34.6	38.4	39.3	40.5	42.1	42.9	43.3	43.6	43.6	44.0	44.3	44.7	45.5
≥ 20000	20.1	31.6	34.7	37.0	40.8	41.7	42.9	44.5	45.4	45.7	46.1	46.1	46.4	46.9	47.3	48.3
≥ 18000	20.1	31.6	34.7	37.0	40.8	41.7	42.9	44.5	45.4	45.7	46.1	46.1	46.4	46.9	47.3	48.3
≥ 16000	20.1	31.6	34.7	37.0	40.8	41.7	42.9	44.5	45.4	45.7	46.1	46.1	46.4	46.9	47.3	48.3
≥ 14000	20.1	31.6	34.7	37.0	40.8	41.7	42.9	44.5	45.4	45.7	46.1	46.1	46.4	46.9	47.3	48.3
≥ 12000	20.2	31.8	34.9	37.2	41.0	41.9	43.1	44.7	45.5	45.9	46.2	46.2	46.6	47.1	47.5	48.5
≥ 10000	21.8	34.2	37.7	40.1	44.0	44.9	46.2	48.0	49.0	49.4	49.7	49.7	50.1	50.6	51.0	52.0
≥ 9000	23.6	36.5	40.5	42.9	46.9	47.8	49.2	51.0	52.0	52.4	52.7	52.7	53.1	53.6	53.9	55.0
≥ 8000	26.2	41.2	45.2	47.6	52.4	53.6	55.1	57.1	58.1	58.5	59.0	59.0	59.3	59.9	60.2	61.6
≥ 7000	28.6	44.0	48.7	51.3	56.7	58.5	60.0	62.1	63.4	63.7	64.2	64.2	64.6	65.1	65.4	66.8
≥ 6000	29.5	45.0	50.3	52.9	58.5	60.2	61.8	63.9	65.1	65.4	66.0	66.0	66.3	66.8	67.2	68.6
≥ 5000	30.2	46.1	51.5	54.3	60.0	62.0	63.7	65.8	67.0	67.4	68.1	68.1	68.8	69.3	69.6	71.0
≥ 4500	31.1	47.6	53.4	56.5	62.3	64.2	66.0	68.1	69.3	69.6	70.3	70.3	71.0	71.6	71.9	73.3
≥ 4000	31.8	48.9	55.0	58.3	64.6	66.5	68.4	70.5	71.7	72.1	72.8	72.8	73.5	74.0	74.3	75.7
≥ 3500	32.3	49.4	55.8	59.3	65.8	67.7	69.8	71.9	73.1	73.5	74.2	74.2	74.9	75.4	75.7	77.1
≥ 3000	33.5	51.0	57.4	60.9	67.4	69.3	71.6	73.6	74.9	75.2	75.9	75.9	76.6	77.1	77.5	78.9
≥ 2500	34.6	52.7	59.5	63.0	69.5	71.7	74.3	77.3	78.5	79.1	79.8	79.8	80.5	81.0	81.3	82.7
≥ 2000	35.1	53.6	60.6	64.2	71.0	73.3	75.9	79.2	80.5	81.0	81.7	81.7	82.4	82.9	83.2	84.6
≥ 1800	35.3	53.9	60.9	64.6	71.4	73.6	76.3	79.8	81.2	81.7	82.4	82.4	83.1	83.6	83.9	85.3
≥ 1500	35.8	55.7	63.0	66.8	73.6	75.9	78.5	82.0	83.6	84.1	84.8	84.8	85.5	86.0	86.4	87.8
≥ 1200	36.1	56.9	64.7	68.6	75.9	78.5	81.7	85.3	86.9	87.4	88.1	88.1	88.8	89.4	89.7	91.1
≥ 1000	36.6	58.1	66.3	70.2	77.5	80.1	83.2	86.9	88.5	89.0	89.9	90.1	90.8	91.3	91.6	93.0
≥ 900	36.8	58.3	66.5	70.3	78.2	80.8	83.9	87.6	89.2	89.7	90.6	90.8	91.4	92.0	92.3	93.7
≥ 800	37.2	58.6	66.8	71.2	79.6	82.4	85.5	89.2	90.8	91.3	92.1	92.3	93.0	93.5	93.9	95.3
≥ 700	37.3	58.8	67.0	71.4	79.8	82.5	85.9	89.5	91.1	91.8	92.7	92.8	93.5	94.1	94.4	95.8
≥ 600	37.3	58.8	67.0	71.4	79.8	82.5	85.9	89.5	91.1	91.8	92.7	92.8	93.5	94.1	94.4	95.8
≥ 500	37.3	58.8	67.0	71.7	80.1	83.1	86.7	90.4	92.1	92.8	93.9	94.1	94.8	95.3	95.6	97.0
≥ 400	37.5	59.0	67.2	71.9	80.3	83.2	86.9	90.8	92.5	93.2	94.4	94.8	95.5	96.0	96.3	97.9
≥ 300	37.5	59.0	67.2	71.9	80.3	83.4	87.3	91.1	92.8	93.9	95.3	95.6	96.3	96.9	97.2	98.8
≥ 200	37.5	59.0	67.2	71.9	80.3	83.4	87.3	91.1	92.8	93.9	95.3	95.6	96.3	97.0	97.4	99.5
≥ 100	37.5	59.0	67.2	71.9	80.3	83.4	87.3	91.1	92.8	94.1	95.5	95.8	96.5	97.2	97.6	100.0
≥ 0	37.5	59.0	67.2	71.9	80.3	83.4	87.3	91.1	92.8	94.1	95.5	95.8	96.5	97.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 573

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥S (0)	≥0	≥0
NO CEILING	21.2	30.0	32.2	33.6	36.1	36.8	37.8	39.5	39.6	40.0	40.1	40.2	40.2	40.3	40.4	40.7
≥ 20000	22.8	31.8	34.1	35.8	38.6	39.3	40.3	42.0	42.1	42.5	42.6	42.8	42.8	43.0	43.1	43.4
≥ 18000	23.0	32.0	34.3	36.1	38.9	39.6	40.6	42.3	42.4	42.8	42.9	43.0	43.0	43.2	43.4	43.6
≥ 16000	23.0	32.0	34.3	36.1	38.9	39.6	40.6	42.3	42.4	42.8	42.9	43.0	43.0	43.2	43.4	43.6
≥ 14000	23.1	32.2	34.5	36.2	39.0	39.7	40.7	42.4	42.5	42.9	43.0	43.1	43.1	43.4	43.5	43.7
≥ 12000	24.2	33.4	35.7	37.4	40.2	40.9	41.9	43.7	44.0	44.3	44.5	44.6	44.6	44.8	44.9	45.2
≥ 10000	25.9	35.8	38.2	40.3	43.1	44.1	45.1	46.9	47.1	47.6	47.7	47.9	47.9	48.1	48.2	48.5
≥ 9000	26.9	36.9	39.3	41.7	44.7	45.8	46.8	48.7	49.0	49.6	49.7	49.8	49.8	50.1	50.2	50.4
≥ 8000	29.0	40.2	42.9	45.4	48.7	50.1	51.2	53.2	53.6	54.2	54.3	54.6	54.6	54.8	54.9	55.2
≥ 7000	30.8	42.8	45.4	48.1	51.5	52.9	54.0	56.2	56.5	57.1	57.2	57.5	57.5	57.7	57.9	58.1
≥ 6000	32.4	44.9	47.7	50.4	54.2	55.7	56.8	59.0	59.3	59.9	60.0	60.3	60.3	60.5	60.7	60.9
≥ 5000	33.7	46.3	49.5	52.4	56.4	58.0	59.3	61.6	62.0	62.6	62.7	63.0	63.0	63.2	63.3	63.6
≥ 4500	35.4	48.0	51.5	54.6	59.3	60.9	62.2	64.8	65.2	65.8	65.9	66.1	66.1	66.4	66.5	66.7
≥ 4000	37.1	49.9	53.6	56.9	62.2	64.1	65.5	68.1	68.5	69.1	69.2	69.4	69.4	69.7	69.8	70.0
≥ 3500	38.5	52.0	55.8	59.3	65.3	67.4	68.8	71.4	71.7	72.4	72.5	72.7	72.7	73.0	73.1	73.3
≥ 3000	40.1	53.8	57.7	61.4	67.8	69.9	71.4	74.1	74.5	75.2	75.3	75.5	75.5	75.8	75.9	76.1
≥ 2500	41.8	56.0	59.9	63.7	70.2	72.2	73.8	76.5	77.0	77.7	77.8	78.1	78.1	78.3	78.4	78.7
≥ 2000	43.2	58.0	62.2	66.1	73.0	75.0	76.7	79.5	80.0	80.8	80.9	81.1	81.1	81.4	81.5	81.7
≥ 1800	43.6	58.3	62.7	66.7	73.8	75.9	77.6	80.4	81.0	81.7	81.9	82.1	82.1	82.3	82.5	82.7
≥ 1500	45.4	60.9	65.3	69.5	77.1	79.2	81.0	83.8	84.4	85.1	85.3	85.5	85.6	85.9	86.0	86.2
≥ 1200	46.3	63.0	68.0	72.6	80.6	82.8	84.7	87.5	88.1	88.8	88.9	89.2	89.3	89.5	89.6	89.9
≥ 1000	46.5	63.3	68.7	73.7	82.3	84.7	86.6	89.4	90.0	90.7	90.9	91.1	91.2	91.5	91.6	91.8
≥ 900	46.7	63.5	69.1	74.1	82.9	85.4	87.8	90.7	91.4	92.1	92.2	92.4	92.6	92.8	92.9	93.2
≥ 800	46.7	63.6	69.5	74.8	84.0	86.5	89.2	92.2	93.1	93.8	93.9	94.2	94.3	94.5	94.6	94.9
≥ 700	46.8	63.9	69.9	75.2	84.5	87.1	89.9	93.2	94.0	94.8	94.9	95.1	95.2	95.5	95.6	95.9
≥ 600	46.9	64.2	70.2	75.4	84.9	87.5	90.5	94.0	94.9	95.6	95.7	96.0	96.1	96.3	96.5	96.7
≥ 500	46.9	64.2	70.3	76.0	85.7	88.3	91.5	95.0	95.9	96.6	96.7	97.0	97.2	97.4	97.6	97.8
≥ 400	47.0	64.3	70.4	76.1	86.1	88.7	92.0	95.5	96.5	97.4	97.7	97.9	98.2	98.7	98.8	99.0
≥ 300	47.0	64.3	70.4	76.1	86.1	88.7	92.0	95.6	96.6	97.7	98.1	98.4	98.8	99.3	99.4	99.6
≥ 200	47.0	64.3	70.4	76.1	86.1	88.7	92.1	95.7	96.7	97.8	98.2	98.5	98.9	99.5	99.6	99.9
≥ 100	47.0	64.3	70.4	76.1	86.1	88.7	92.1	95.7	96.7	97.8	98.2	98.5	98.9	99.5	99.6	100.0
≥ 0	47.0	64.3	70.4	76.1	86.1	88.7	92.1	95.7	96.7	97.8	98.2	98.5	98.9	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 821

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 | SEMBACH AB DL (STATION NAME) | 65-68,76-81 (YEARS) | JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	25.8	34.0	34.8	35.6	36.5	36.6	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 20000	29.1	37.2	38.3	39.0	40.0	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 18000	29.6	37.8	38.8	39.6	40.6	40.7	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 16000	29.8	37.9	38.9	39.7	40.7	40.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	30.1	38.3	39.3	40.2	41.2	41.3	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 12000	30.9	39.1	40.2	41.1	42.1	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 10000	32.6	41.1	42.2	43.1	44.2	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 9000	33.6	42.4	43.5	44.4	45.5	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 8000	36.1	46.3	47.5	48.4	49.9	50.0	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 7000	37.6	48.3	49.6	50.7	52.5	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 6000	38.6	50.0	51.2	52.3	54.1	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 5000	40.9	52.5	53.8	54.9	56.9	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	42.2	53.8	55.5	56.7	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	45.3	57.5	59.4	60.9	63.0	63.5	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	48.9	61.2	63.1	64.7	67.1	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3000	51.9	65.2	67.8	69.6	72.1	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2500	54.6	69.1	72.1	74.2	76.7	77.6	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000	57.0	73.2	76.4	78.6	81.4	82.3	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1800	57.3	74.0	77.4	79.9	82.7	83.6	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1500	59.2	76.6	80.2	83.4	86.7	87.6	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5
≥ 1200	60.9	79.3	83.6	87.7	91.2	92.2	93.1	93.1	93.2	93.4	93.4	93.5	93.5	93.5	93.5
≥ 1000	61.4	80.2	84.9	89.1	93.0	94.1	95.2	95.3	95.4	95.6	95.6	95.7	95.7	95.7	95.7
≥ 900	61.4	80.2	85.1	89.5	93.5	94.6	96.0	96.2	96.3	96.5	96.5	96.6	96.6	96.6	96.6
≥ 800	61.5	80.4	85.6	90.2	94.3	95.4	96.9	97.2	97.3	97.5	97.5	97.7	97.7	97.7	97.7
≥ 700	61.6	80.6	85.8	90.5	95.3	96.4	97.9	98.2	98.4	98.8	98.8	98.9	98.9	98.9	98.9
≥ 600	61.7	80.8	86.0	90.7	95.6	96.8	98.3	98.7	98.9	99.2	99.2	99.3	99.3	99.3	99.3
≥ 500	61.7	80.8	86.1	90.8	95.9	97.1	98.7	99.1	99.4	99.8	99.8	99.9	99.9	99.9	99.9
≥ 400	61.7	80.8	86.1	90.8	95.9	97.1	98.7	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0
≥ 300	61.7	80.8	86.1	90.8	95.9	97.1	98.7	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0
≥ 200	61.7	80.8	86.1	90.8	95.9	97.1	98.7	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	61.7	80.8	86.1	90.8	95.9	97.1	98.7	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	61.7	80.8	86.1	90.8	95.9	97.1	98.7	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

127120 SEMBACH AB DL 65-68,76-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	24.8	31.6	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 20000	30.9	37.9	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	38.7
≥ 18000	31.1	38.2	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000	31.1	38.2	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 14000	31.7	38.7	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 12000	32.7	40.0	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	34.4	42.4	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 9000	35.9	44.4	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 8000	39.1	48.5	49.3	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 7000	41.1	51.2	52.2	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 6000	42.1	53.8	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000	46.4	58.6	59.7	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4500	48.3	61.5	62.7	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000	53.0	67.1	68.5	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3500	59.4	75.0	76.6	77.1	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	62.6	80.1	82.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 2500	64.8	83.7	85.6	86.8	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2000	65.8	86.2	88.4	89.7	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	66.1	86.6	88.8	90.2	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	67.3	88.3	90.7	92.4	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	68.1	89.5	92.2	94.3	96.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	68.2	90.0	92.7	95.0	96.8	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	68.3	90.1	92.9	95.1	96.9	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	68.4	90.3	93.2	95.4	97.5	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	68.4	90.3	93.2	95.4	97.5	98.0	98.4	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	68.5	90.4	93.3	95.5	97.7	98.1	98.7	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	68.5	90.4	93.3	95.5	97.7	98.1	98.7	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	68.5	90.4	93.3	95.5	97.7	98.1	98.7	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	68.5	90.4	93.3	95.5	97.7	98.1	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	68.5	90.4	93.3	95.5	97.7	98.1	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	68.5	90.4	93.3	95.5	97.7	98.1	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	68.5	90.4	93.3	95.5	97.7	98.1	98.7	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 896

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71120	SEMBACH AB DL	65-68,76-81	JUN
STATION	STATION NAME	YEAR	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	29.5	35.6	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
≥ 20000	37.2	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 18000	37.3	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 16000	37.3	43.7	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 14000	37.7	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 12000	38.8	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 10000	41.3	48.4	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	44.4	53.1	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 8000	48.0	58.3	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	51.1	62.5	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 6000	54.0	66.2	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 5000	58.2	70.9	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500	61.2	75.0	75.9	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	65.6	79.9	81.1	82.1	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	69.9	85.2	86.4	87.6	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 3000	72.3	88.3	89.5	90.8	91.2	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2500	73.6	89.9	91.1	92.3	92.9	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	74.6	91.1	92.3	93.6	94.1	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1800	74.9	91.4	92.7	93.9	94.5	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1500	75.2	92.1	93.5	95.0	96.4	96.4	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1200	75.8	93.0	94.4	96.1	97.9	97.9	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	75.8	93.0	94.4	96.1	98.0	98.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	75.8	93.0	94.4	96.2	98.1	98.1	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	75.8	93.2	94.6	96.4	98.4	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	75.8	93.2	94.6	96.4	98.5	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	75.8	93.2	94.6	96.4	98.5	98.6	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	75.8	93.2	94.6	96.4	98.5	98.6	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	75.8	93.2	94.6	96.4	98.5	98.6	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	75.8	93.2	94.6	96.4	98.5	98.6	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.8	93.2	94.6	96.4	98.5	98.6	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.8	93.2	94.6	96.4	98.5	98.6	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	75.8	93.2	94.6	96.4	98.5	98.6	99.1	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 887

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 65-68,76-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0					
NO CEILING	34.2	43.4	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000	40.7	50.3	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	40.7	50.3	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	40.7	50.3	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	40.8	50.4	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
≥ 12000	41.6	51.3	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	52.1	52.1
≥ 10000	44.6	54.9	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 9000	46.7	58.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 8000	52.6	66.3	67.3	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 7000	56.6	72.3	73.4	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 6000	57.7	74.9	76.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	59.7	77.3	78.5	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	61.9	80.1	81.4	82.5	83.1	83.1	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	65.7	84.3	85.8	87.0	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	68.7	87.5	89.1	90.5	91.5	91.5	91.5	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 3000	69.5	88.6	90.4	92.0	93.1	93.1	93.1	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	69.8	89.3	91.1	92.9	94.4	94.4	94.4	94.5	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	70.3	90.3	92.3	94.0	95.6	95.6	95.6	95.9	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4	96.4
≥ 1800	70.3	90.5	92.5	94.4	96.0	96.0	96.0	96.3	96.4	96.6	96.6	96.8	96.9	96.9	96.9	96.9	96.9
≥ 1600	70.7	91.1	93.1	95.0	96.9	96.9	96.9	97.3	97.4	97.6	97.6	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1400	70.9	91.6	93.6	95.5	97.8	97.8	97.9	98.3	98.4	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9
≥ 1200	70.9	91.8	93.8	95.6	97.9	97.9	98.1	98.5	98.6	98.9	98.9	99.0	99.1	99.1	99.3	99.3	
≥ 1000	70.9	91.8	93.8	95.8	98.0	98.0	98.3	98.6	98.8	99.0	99.0	99.1	99.3	99.3	99.4	99.4	
≥ 900	70.9	91.8	93.8	95.8	98.0	98.0	98.3	98.6	98.8	99.0	99.0	99.1	99.3	99.3	99.4	99.4	
≥ 800	70.9	91.8	93.8	95.8	98.1	98.1	98.4	98.8	98.9	99.1	99.1	99.3	99.4	99.4	99.5	99.5	
≥ 700	70.9	91.8	93.8	96.0	98.4	98.4	98.6	99.0	99.1	99.4	99.4	99.5	99.6	99.6	99.8	99.8	
≥ 600	70.9	91.8	93.8	96.0	98.5	98.6	98.9	99.3	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	
≥ 500	70.9	91.8	93.8	96.0	98.5	98.6	98.9	99.3	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	
≥ 400	70.9	91.8	93.8	96.0	98.5	98.6	98.9	99.3	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	
≥ 300	70.9	91.8	93.8	96.0	98.5	98.6	98.9	99.3	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	
≥ 200	70.9	91.8	93.8	96.0	98.5	98.6	98.9	99.3	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	
≥ 100	70.9	91.8	93.8	96.0	98.5	98.6	98.9	99.3	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	
≥ 0	70.9	91.8	93.8	96.0	98.5	98.6	98.9	99.3	99.4	99.6	99.6	99.8	99.9	99.9	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 601

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7127 SEMBACH AB DL 65-68,76-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FT)	10	26	24	4	½	½	1	1½	2	2½	3	4	5	6
NO CEILING	32.4	43.3	45.4	46.4	47.6	47.6	47.6	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	37.3	48.5	50.7	51.7	52.8	52.8	52.8	52.8	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	37.3	48.5	50.7	51.7	52.8	52.8	52.8	52.8	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 16000	37.3	48.5	50.7	51.7	52.8	52.8	52.8	52.8	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 14000	37.6	48.8	50.9	52.0	53.1	53.1	53.1	53.1	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	37.9	49.2	51.4	52.4	53.6	53.6	53.6	53.6	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 10000	40.8	52.7	54.9	55.9	57.0	57.0	57.0	57.0	57.2	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	43.1	56.0	58.3	59.4	60.5	60.5	60.5	60.5	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 8000	47.6	62.7	65.7	66.9	68.8	69.1	69.1	69.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 7000	48.9	65.6	68.9	70.4	72.9	73.3	73.3	73.6	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000	49.9	67.5	71.1	72.7	75.2	75.6	75.6	76.1	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 5000	52.1	70.5	74.5	76.2	79.0	79.4	79.4	79.8	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 4500	52.5	71.4	75.3	77.2	80.1	80.6	80.6	81.0	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4000	54.4	73.7	77.9	79.8	83.0	83.5	83.5	83.9	84.0	84.3	84.5	84.5	84.5	84.5	84.5	84.6
≥ 3500	56.7	76.8	81.1	83.0	86.4	86.8	86.8	87.4	87.5	87.8	88.0	88.1	88.1	88.1	88.1	88.2
≥ 3000	58.2	79.5	84.2	86.4	90.0	90.4	90.4	91.0	91.1	91.4	91.6	91.7	91.7	91.7	91.7	91.9
≥ 2500	58.3	80.3	85.2	87.5	91.3	91.7	91.9	92.5	92.6	92.9	93.0	93.2	93.2	93.2	93.2	93.3
≥ 2000	58.9	81.4	86.4	89.0	93.2	93.8	94.0	94.6	94.8	95.1	95.2	95.4	95.4	95.4	95.4	95.8
≥ 1800	58.9	81.6	86.5	89.1	93.3	93.9	94.2	94.8	94.9	95.2	95.4	95.5	95.5	95.5	95.5	95.9
≥ 1500	59.2	82.0	87.1	89.8	94.3	94.9	95.2	95.8	95.9	96.2	96.4	96.5	96.5	96.5	96.5	97.0
≥ 1200	59.4	82.3	87.4	90.1	94.6	95.4	95.9	96.7	96.8	97.1	97.2	97.4	97.4	97.4	97.4	98.0
≥ 1000	59.4	82.3	87.4	90.1	94.8	95.5	96.4	97.1	97.2	97.5	97.7	97.8	97.8	97.8	97.8	98.4
≥ 900	59.4	82.3	87.4	90.3	94.9	95.6	96.5	97.2	97.4	97.7	98.0	98.1	98.1	98.1	98.1	98.7
≥ 800	59.7	82.6	87.7	90.6	95.2	95.9	96.8	97.5	97.7	98.0	98.4	98.5	98.5	98.5	98.5	99.1
≥ 700	59.7	82.6	87.7	90.6	95.2	96.1	97.1	98.1	98.3	98.5	99.0	99.1	99.1	99.1	99.1	99.7
≥ 600	59.7	82.6	87.7	90.6	95.2	96.1	97.1	98.1	98.3	98.5	99.0	99.1	99.1	99.1	99.1	99.7
≥ 500	59.7	82.6	87.7	90.6	95.2	96.1	97.1	98.1	98.3	98.5	99.0	99.1	99.1	99.1	99.1	99.7
≥ 400	59.7	82.6	87.7	90.6	95.2	96.1	97.2	98.3	98.4	98.7	99.3	99.4	99.4	99.4	99.4	100.0
≥ 300	59.7	82.6	87.7	90.6	95.2	96.1	97.2	98.3	98.4	98.7	99.3	99.4	99.4	99.4	99.4	100.0
≥ 200	59.7	82.6	87.7	90.6	95.2	96.1	97.2	98.3	98.4	98.7	99.3	99.4	99.4	99.4	99.4	100.0
≥ 100	59.7	82.6	87.7	90.6	95.2	96.1	97.2	98.3	98.4	98.7	99.3	99.4	99.4	99.4	99.4	100.0
≥ 0	59.7	82.6	87.7	90.6	95.2	96.1	97.2	98.3	98.4	98.7	99.3	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 65-68,76-81 JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 7	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	26.4	35.7	37.1	37.9	39.1	39.3	39.6	40.0	40.1	40.3	40.3	40.4	40.4	40.5	40.5	40.7
≥ 20000	30.8	40.4	41.8	42.7	44.0	44.2	44.6	45.0	45.1	45.2	45.3	45.3	45.4	45.5	45.5	45.7
≥ 18000	31.0	40.6	42.0	42.9	44.2	44.4	44.7	45.1	45.3	45.4	45.5	45.5	45.6	45.7	45.7	45.9
≥ 16000	31.3	40.6	42.0	42.9	44.2	44.4	44.8	45.1	45.3	45.4	45.5	45.5	45.6	45.7	45.7	45.9
≥ 14000	31.3	40.9	42.3	43.2	44.5	44.7	45.0	45.4	45.6	45.7	45.8	45.8	45.9	46.0	46.0	46.2
≥ 12000	32.0	41.7	43.2	44.1	45.3	45.6	45.9	46.3	46.5	46.6	46.7	46.7	46.8	46.9	46.9	47.1
≥ 11000	34.1	44.5	46.1	47.1	48.4	48.7	49.1	49.5	49.7	49.8	49.9	49.9	50.0	50.0	50.1	50.3
≥ 10000	35.9	47.1	48.8	49.8	51.2	51.5	51.9	52.3	52.5	52.6	52.7	52.7	52.8	52.9	52.9	53.1
≥ 9000	39.3	52.1	54.1	55.3	57.0	57.5	57.9	58.4	58.6	58.8	58.9	58.9	59.0	59.1	59.1	59.3
≥ 8000	41.5	55.4	57.5	58.9	60.8	61.3	61.8	62.3	62.5	62.7	62.8	62.8	62.9	63.0	63.1	63.3
≥ 7000	42.9	57.6	59.9	61.3	63.3	63.9	64.4	64.9	65.1	65.3	65.4	65.4	65.5	65.6	65.7	65.9
≥ 6000	45.3	60.5	62.9	64.4	66.6	67.3	67.8	68.4	68.6	68.8	68.9	68.9	69.0	69.1	69.2	69.4
≥ 5000	46.9	62.7	65.3	67.0	69.3	70.0	70.5	71.1	71.4	71.6	71.7	71.7	71.8	71.9	71.9	72.2
≥ 4500	49.9	66.2	69.0	70.9	73.5	74.2	74.8	75.4	75.7	75.9	76.0	76.0	76.1	76.2	76.3	76.5
≥ 4000	53.0	69.9	72.9	74.9	77.7	78.5	79.1	79.7	80.0	80.2	80.3	80.4	80.5	80.6	80.6	80.9
≥ 3500	54.9	72.7	75.9	78.1	81.1	81.9	82.5	83.2	83.4	83.7	83.8	83.8	83.9	84.0	84.1	84.4
≥ 3000	56.2	74.7	78.1	80.4	83.5	84.3	85.1	85.9	86.2	86.4	86.6	86.6	86.7	86.8	86.8	87.1
≥ 2500	57.3	76.6	80.1	82.6	85.9	86.7	87.6	88.5	88.7	89.0	89.1	89.2	89.3	89.4	89.4	89.8
≥ 2000	57.5	77.0	80.5	83.0	86.4	87.2	88.1	89.0	89.3	89.6	89.7	89.8	89.9	90.0	90.0	90.4
≥ 1800	58.4	78.5	82.2	84.9	88.7	89.6	90.5	91.5	91.8	92.1	92.2	92.3	92.4	92.5	92.5	92.9
≥ 1500	59.0	79.8	83.7	86.6	90.9	91.9	92.9	93.9	94.3	94.7	94.8	94.9	95.0	95.1	95.1	95.5
≥ 1200	59.2	80.2	84.3	87.4	91.7	92.8	93.9	95.0	95.4	95.7	95.8	95.9	96.1	96.2	96.2	96.6
≥ 1000	59.3	80.2	84.4	87.6	92.0	93.1	94.4	95.5	95.8	96.2	96.3	96.4	96.6	96.7	96.7	97.1
≥ 900	59.4	80.4	84.7	88.0	92.6	93.7	95.1	96.2	96.6	96.9	97.1	97.2	97.3	97.4	97.5	97.9
≥ 800	59.4	80.5	84.8	88.1	92.9	94.0	95.5	96.7	97.1	97.5	97.7	97.8	97.9	98.0	98.1	98.5
≥ 700	59.5	80.6	84.9	88.2	93.0	94.2	95.7	97.0	97.5	97.9	98.1	98.2	98.3	98.4	98.5	98.8
≥ 600	59.5	80.6	84.9	88.4	93.3	94.4	96.0	97.4	97.9	98.3	98.5	98.6	98.8	98.9	98.9	99.3
≥ 500	59.5	80.6	84.9	88.4	93.3	94.5	96.2	97.5	98.0	98.5	98.8	98.9	99.1	99.2	99.3	99.6
≥ 400	59.5	80.6	84.9	88.4	93.3	94.5	96.2	97.6	98.1	98.6	98.9	99.1	99.2	99.4	99.4	99.8
≥ 300	59.5	80.6	84.9	88.4	93.3	94.5	96.2	97.6	98.1	98.7	99.0	99.1	99.3	99.4	99.5	99.9
≥ 200	59.5	80.6	84.9	88.4	93.3	94.5	96.2	97.6	98.1	98.7	99.0	99.1	99.3	99.4	99.5	100.0
	59.5	80.6	84.9	88.4	93.3	94.5	96.2	97.6	98.1	98.7	99.0	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6030

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120	SEMBACH AB DL	64-68,77-80	JUL
STATION	STATION NAME	YEARS	MONTH

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
NO CEILING	23.5	52.7	55.1	56.3	57.7	57.7	58.3	58.6	58.8	59.0	59.4	59.4	59.4	59.6	59.6	60.0
≥ 20000	24.1	53.3	55.7	56.9	58.3	58.3	59.0	59.4	59.6	59.8	60.4	60.4	60.4	60.6	60.6	61.0
≥ 18000	24.1	53.3	55.7	56.9	58.3	58.3	59.0	59.4	59.6	59.8	60.4	60.4	60.4	60.6	60.6	61.0
≥ 17000	24.1	53.3	55.7	56.9	58.3	58.3	59.0	59.4	59.6	59.8	60.4	60.4	60.4	60.6	60.6	61.0
≥ 14000	24.1	53.3	55.7	56.9	58.3	58.3	59.0	59.4	59.6	59.8	60.4	60.4	60.4	60.6	60.6	61.0
≥ 12000	24.3	53.5	55.9	57.1	58.4	58.4	59.2	59.6	59.8	60.0	60.6	60.6	60.6	60.8	60.8	61.2
≥ 10000	24.7	54.1	56.5	57.7	59.0	59.0	59.8	60.2	60.4	60.6	61.2	61.2	61.2	61.4	61.4	61.8
≥ 9000	25.4	56.9	59.2	60.4	62.0	62.0	62.8	63.2	63.4	63.6	64.2	64.2	64.2	64.4	64.4	64.8
≥ 8000	29.0	62.8	65.6	66.8	68.4	68.4	69.2	69.6	69.8	70.0	70.6	70.6	70.6	70.8	70.8	71.2
≥ 7000	30.0	67.4	70.6	71.8	73.4	73.4	74.4	74.8	75.0	75.1	75.7	75.7	75.7	75.9	75.9	76.3
≥ 6000	31.2	70.0	73.4	74.8	76.5	76.7	77.7	78.1	78.3	78.5	79.1	79.1	79.1	79.3	79.3	79.7
≥ 5000	33.2	72.6	76.3	78.3	80.5	80.7	81.7	82.1	82.3	82.7	83.3	83.3	83.3	83.5	83.5	83.9
≥ 4500	33.8	74.8	78.7	81.1	83.5	83.7	84.7	85.1	85.3	85.7	86.3	86.3	86.3	86.5	86.5	86.9
≥ 4000	33.8	75.0	79.5	82.1	84.5	84.7	85.9	86.3	86.5	86.9	87.5	87.5	87.5	87.7	87.7	88.1
≥ 3500	34.0	76.1	81.1	83.7	86.1	86.5	87.7	88.1	88.3	88.7	89.3	89.3	89.3	89.5	89.5	89.9
≥ 3000	34.0	76.1	81.1	83.7	86.1	86.7	87.9	88.3	88.5	88.9	89.5	89.5	89.5	89.7	89.7	90.1
≥ 2500	34.4	76.5	81.5	84.1	86.7	87.5	88.7	89.1	89.3	89.7	90.3	90.3	90.3	90.5	90.5	90.9
≥ 2000	34.4	76.7	81.9	84.5	87.3	88.3	89.5	89.9	90.5	90.9	91.5	91.5	91.5	91.7	91.7	92.0
≥ 1800	34.4	76.9	82.1	84.7	87.5	88.5	89.7	90.1	90.7	91.1	91.7	91.7	91.7	91.8	91.8	92.2
≥ 1500	34.6	77.5	82.9	85.7	88.5	89.5	90.9	91.3	91.8	92.2	92.8	92.8	92.8	93.0	93.0	93.4
≥ 1200	34.6	78.1	83.7	86.5	89.7	90.9	92.6	93.0	93.6	94.0	94.6	94.6	94.6	94.8	94.8	95.2
≥ 1000	34.6	78.5	84.1	87.1	90.3	91.5	93.4	93.8	94.4	94.8	95.4	95.4	95.4	95.6	95.6	96.0
≥ 900	34.6	78.5	84.1	87.5	90.7	91.8	94.2	94.8	95.4	95.8	96.4	96.4	96.4	96.6	96.6	97.0
≥ 800	34.6	78.9	84.5	87.9	91.1	92.2	94.6	95.2	95.8	96.2	96.8	96.8	96.8	97.0	97.0	97.4
≥ 700	34.6	78.9	84.5	87.9	91.1	92.2	94.6	95.2	95.8	96.2	96.8	96.8	96.8	97.0	97.0	97.4
≥ 600	34.6	78.9	84.5	87.9	91.8	93.0	95.4	96.0	96.6	97.0	97.6	97.6	97.6	97.8	97.8	98.2
≥ 500	34.6	78.9	84.5	87.9	92.2	93.4	95.8	96.4	97.0	97.4	98.0	98.0	98.0	98.2	98.2	98.6
≥ 400	34.6	78.9	84.5	87.9	92.2	93.4	95.8	96.4	97.0	97.4	98.0	98.0	98.0	98.2	98.2	98.6
≥ 300	34.6	78.9	84.5	87.9	92.2	93.4	96.4	97.0	97.8	98.2	98.8	98.8	98.8	99.0	99.0	99.4
≥ 200	34.6	78.9	84.5	87.9	92.2	93.4	96.4	97.0	97.8	98.2	98.8	98.8	98.8	99.0	99.0	99.4
≥ 100	34.6	78.9	84.5	87.9	92.2	93.4	96.4	97.0	97.8	98.2	98.8	98.8	98.8	99.0	99.0	100.0
≥ 0	34.6	78.9	84.5	87.9	92.2	93.4	96.4	97.0	97.8	98.2	98.8	98.8	98.8	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 503

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL (STATION NAME) 64-68,77-81 (YEARS) JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	
NO CEILING	19.6	39.2	42.3	43.5	45.0	45.0	46.3	47.2	47.8	48.0	48.3	48.6	48.6	48.6	48.6	50.1
≥ 20000	20.6	40.2	43.2	44.5	45.9	45.9	47.4	48.3	49.0	49.1	49.4	49.8	49.9	49.9	49.9	51.4
≥ 15000	20.6	40.2	43.2	44.5	45.9	45.9	47.4	48.3	49.0	49.1	49.4	49.8	49.9	49.9	49.9	51.4
≥ 10000	20.6	40.2	43.2	44.5	45.9	45.9	47.4	48.5	49.1	49.3	49.6	49.9	50.1	50.1	50.1	51.5
≥ 9000	20.9	40.5	43.5	44.8	46.3	46.3	47.7	48.8	49.4	49.6	49.9	50.2	50.4	50.4	50.4	51.8
≥ 8000	20.9	40.7	43.7	45.1	46.6	46.6	48.0	49.1	49.8	49.9	50.2	50.6	50.7	50.7	50.7	52.2
≥ 7000	21.9	41.8	45.0	46.4	48.0	48.0	49.4	50.6	51.2	51.4	51.7	52.0	52.2	52.2	52.2	53.6
≥ 6000	23.0	44.2	47.4	48.8	50.6	50.6	52.0	53.1	53.7	53.9	54.2	54.5	54.7	54.7	54.7	56.1
≥ 5000	26.6	52.2	56.1	57.9	59.8	59.8	61.2	62.4	63.0	63.2	63.5	63.8	64.0	64.0	64.0	65.4
≥ 4500	27.6	54.1	58.9	60.6	62.5	63.0	65.1	66.2	66.8	67.0	67.3	67.6	67.8	67.8	67.8	69.2
≥ 4000	29.0	57.1	62.0	63.8	65.7	66.3	68.6	69.7	70.3	70.5	70.8	71.1	71.3	71.3	71.3	72.7
≥ 3500	30.6	59.6	65.4	67.1	69.2	69.9	72.1	73.4	74.2	74.3	74.6	75.0	75.3	75.3	75.3	76.7
≥ 3000	32.2	62.0	67.8	69.5	71.9	72.6	74.8	76.2	77.0	77.2	77.5	77.8	78.1	78.1	78.1	79.6
≥ 2500	32.7	63.0	68.7	70.5	72.9	73.5	75.8	77.2	78.0	78.1	78.5	78.8	79.1	79.1	79.1	80.5
≥ 2000	34.4	64.9	70.8	72.9	75.4	76.1	78.5	79.9	80.7	80.9	81.2	81.5	81.8	81.8	81.8	83.3
≥ 1800	34.6	65.4	71.9	74.0	76.6	77.2	79.6	81.0	81.8	82.0	82.3	82.6	82.9	82.9	82.9	84.4
≥ 1500	34.9	66.0	72.7	74.8	77.5	78.1	80.7	82.1	82.9	83.1	83.4	83.7	84.1	84.1	84.1	85.5
≥ 1200	34.9	66.3	73.4	75.4	78.6	79.3	81.8	83.4	84.2	84.4	84.7	85.0	85.3	85.3	85.3	86.8
≥ 1000	35.1	67.0	74.0	76.1	79.3	79.9	82.6	84.2	85.0	85.2	85.5	85.8	86.1	86.1	86.1	87.6
≥ 900	35.2	67.3	74.5	76.9	80.5	81.3	84.1	85.6	86.4	86.6	87.1	87.4	87.7	87.9	87.9	89.3
≥ 800	35.6	67.9	75.3	77.7	81.3	82.6	85.5	87.1	87.9	88.0	88.5	88.8	89.2	89.3	89.3	90.7
≥ 700	35.7	68.3	75.9	78.3	82.0	83.4	86.6	88.2	89.0	89.2	89.6	90.0	90.3	90.4	90.4	91.9
≥ 600	35.7	68.4	76.4	78.9	82.6	84.1	87.2	88.8	89.6	89.8	90.3	90.6	90.9	91.1	91.1	92.5
≥ 500	36.2	69.2	77.1	80.5	84.2	85.6	89.0	90.6	91.4	91.5	92.0	92.3	92.7	92.8	92.8	94.3
≥ 400	36.4	69.9	78.3	81.2	85.2	86.6	90.3	91.9	92.7	92.8	93.3	93.6	93.9	94.1	94.1	95.5
≥ 300	36.4	69.9	78.3	81.2	85.3	87.1	90.9	92.7	93.5	93.8	94.3	94.6	94.9	95.1	95.1	96.5
≥ 200	36.4	69.9	78.3	81.2	85.3	87.2	91.1	93.0	93.8	94.1	94.6	94.9	95.2	95.4	95.4	96.8
≥ 100	36.4	69.9	78.3	81.2	85.3	87.2	91.4	93.3	94.1	94.4	95.1	95.4	95.7	95.9	95.9	97.3
0	36.4	69.9	78.3	81.3	85.5	87.6	91.9	94.1	94.9	95.4	96.0	96.3	96.7	96.8	96.8	98.2
	36.4	69.9	78.3	81.3	85.5	87.6	91.9	94.1	94.9	95.5	96.2	96.5	96.8	97.0	97.0	98.4
	36.4	69.9	78.3	81.3	85.5	87.6	91.9	94.1	94.9	95.5	96.3	96.7	97.0	97.3	97.3	99.8
	36.4	69.9	78.3	81.3	85.5	87.6	91.9	94.1	94.9	95.7	96.5	96.8	97.1	97.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	2½	2	1½	1¼	1	¾	½	⅜	¼	0						
NO CEILING	20.7	33.2	35.7	38.6	39.8	40.2	41.1	41.6	41.7	42.3	42.3	42.3	42.5	42.5	42.5	43.3
≥ 20000	22.2	34.7	37.2	40.2	41.5	42.0	42.9	43.4	43.5	44.0	44.0	44.0	44.3	44.3	44.3	45.0
≥ 18000	22.2	34.7	37.2	40.2	41.5	42.0	42.9	43.4	43.5	44.0	44.0	44.0	44.3	44.3	44.3	45.0
≥ 16000	22.2	34.7	37.2	40.2	41.5	42.0	42.9	43.4	43.5	44.0	44.0	44.0	44.3	44.3	44.3	45.0
≥ 14000	22.4	34.9	37.5	40.5	41.7	42.3	43.1	43.7	43.8	44.4	44.4	44.4	44.6	44.6	44.6	45.4
≥ 12000	22.5	35.2	37.8	40.9	42.1	42.7	43.6	44.1	44.3	44.8	44.8	44.8	45.0	45.0	45.0	45.8
≥ 10000	23.3	36.8	39.4	42.5	43.7	44.4	45.4	45.9	46.2	46.7	46.7	46.7	46.9	46.9	46.9	47.7
≥ 9000	25.0	39.4	42.1	45.3	46.5	47.2	48.2	48.7	48.9	49.6	49.6	49.6	49.8	49.8	49.8	50.6
≥ 8000	29.7	45.8	48.8	52.1	53.6	54.4	55.6	56.5	56.7	57.4	57.4	57.4	57.6	57.6	57.6	58.4
≥ 7000	31.8	49.1	52.1	55.9	57.5	58.5	59.9	60.8	61.0	61.6	61.8	61.8	62.0	62.0	62.0	62.8
≥ 6000	33.6	52.0	55.3	59.3	61.0	62.0	63.3	64.2	64.4	65.1	65.2	65.2	65.4	65.4	65.4	66.2
≥ 5000	35.2	53.8	57.5	61.8	63.5	64.5	65.9	66.9	67.3	68.2	68.3	68.3	68.6	68.6	68.6	69.3
≥ 4500	36.0	54.7	58.8	63.0	65.2	66.3	67.7	68.9	69.3	70.2	70.3	70.3	70.6	70.6	70.6	71.3
≥ 4000	37.6	57.1	61.3	65.6	68.2	69.3	71.0	72.2	72.8	73.9	74.0	74.0	74.4	74.4	74.4	75.1
≥ 3500	38.5	58.2	62.7	67.0	70.0	71.1	73.0	74.4	74.9	76.0	76.1	76.1	76.5	76.5	76.5	77.3
≥ 3000	39.8	59.8	64.2	68.7	71.8	72.9	74.8	76.5	77.0	78.3	78.6	78.6	79.0	79.0	79.0	79.8
≥ 2500	40.8	61.0	65.7	70.5	73.7	74.8	77.0	78.8	79.4	80.7	81.0	81.2	81.6	81.6	81.6	82.4
≥ 2000	41.6	62.2	67.1	72.1	75.6	76.8	79.0	80.8	81.4	82.8	83.2	83.3	83.7	83.7	83.7	84.5
≥ 1800	41.7	62.4	67.3	72.5	76.1	77.4	79.6	81.5	82.1	83.5	83.8	83.9	84.4	84.4	84.4	85.2
≥ 1500	42.3	63.5	68.6	73.8	77.8	79.2	81.5	83.5	84.1	85.5	85.8	86.0	86.5	86.5	86.5	87.3
≥ 1200	43.1	65.4	70.8	76.1	80.8	82.3	84.7	87.0	87.5	89.1	89.4	89.5	90.1	90.1	90.1	90.9
≥ 1000	43.5	66.0	71.8	77.3	82.4	83.8	86.4	88.6	89.3	90.9	91.2	91.3	92.0	92.0	92.0	92.8
≥ 900	43.7	66.6	72.4	77.9	83.3	84.7	87.3	89.6	90.4	92.0	92.3	92.4	93.1	93.1	93.1	93.9
≥ 800	43.8	67.0	73.1	79.2	84.6	86.4	89.0	91.3	92.1	93.6	94.0	94.1	94.8	94.8	94.8	95.5
≥ 700	43.8	67.3	73.5	79.7	85.2	87.1	89.6	92.1	92.9	94.4	94.8	94.9	95.5	95.5	95.5	96.3
≥ 600	43.8	67.4	73.6	79.9	85.5	87.4	90.1	92.5	93.3	94.9	95.2	95.4	96.1	96.1	96.1	96.9
≥ 500	43.9	67.6	73.7	80.0	85.6	87.5	90.3	92.8	93.5	95.1	95.4	95.7	96.3	96.3	96.3	97.1
≥ 400	44.0	67.7	73.9	80.3	86.1	88.0	90.7	93.4	94.3	96.1	96.4	96.7	97.3	97.3	97.3	98.1
≥ 300	44.0	67.7	73.9	80.4	86.2	88.1	91.0	93.6	94.6	96.4	96.9	97.1	98.0	98.0	98.0	98.8
≥ 200	44.0	67.7	73.9	80.4	86.2	88.1	91.0	93.6	94.8	96.5	97.0	97.2	98.3	98.4	98.4	99.2
≥ 100	44.0	67.7	73.9	80.4	86.2	88.1	91.0	93.6	94.9	96.7	97.1	97.3	98.4	98.6	98.7	100.0
≥ 0	44.0	67.7	73.9	80.4	86.2	88.1	91.0	93.6	94.9	96.7	97.1	97.3	98.4	98.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-68,76-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼
NO CEILING	25.4	35.2	36.4	37.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 20000	27.2	37.1	38.3	39.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 18000	27.2	37.1	38.3	39.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 16000	27.2	37.1	38.3	39.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 14000	27.4	37.3	38.5	39.8	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 12000	28.0	38.1	39.3	40.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 11000	29.5	39.8	41.0	42.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 9000	31.3	41.9	43.3	44.7	45.9	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 8000	34.3	45.9	47.3	48.9	50.4	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	36.5	49.1	50.9	52.7	54.2	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	38.1	52.0	54.0	56.1	57.6	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 5000	40.7	54.8	56.9	59.2	60.7	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 4500	42.2	57.1	59.5	61.9	63.7	64.2	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4000	44.8	60.3	63.1	65.7	67.9	68.4	68.7	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500	48.9	64.8	67.9	70.5	72.7	73.3	73.6	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3000	51.8	68.4	71.7	74.7	77.0	77.6	78.0	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	55.1	73.2	76.5	79.4	81.8	82.4	82.8	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2000	57.3	76.5	79.9	83.1	85.6	86.2	86.6	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	57.9	77.1	80.5	83.8	86.4	87.0	87.4	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	59.4	79.6	83.5	87.0	90.1	90.8	91.3	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1200	60.2	81.1	85.2	88.9	92.0	92.7	93.2	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	60.6	81.6	86.1	90.0	93.3	94.0	94.7	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	60.6	82.0	86.4	90.3	93.9	94.6	95.4	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	60.9	82.3	86.8	90.8	94.6	95.4	96.3	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	60.9	82.5	87.2	91.2	95.3	96.1	97.2	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	61.0	82.7	87.4	91.4	95.7	96.8	97.8	98.5	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	61.0	82.7	87.4	91.4	95.7	96.9	98.0	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	61.0	82.7	87.4	91.4	95.7	97.0	98.3	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	61.0	82.7	87.4	91.4	95.7	97.0	98.4	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	61.0	82.7	87.4	91.4	95.7	97.0	98.4	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	61.0	82.7	87.4	91.4	95.7	97.0	98.4	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	61.0	82.7	87.4	91.4	95.7	97.0	98.4	99.2	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 987

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL | 64-68,76-81 | JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0				
NO CEILING	27.8	36.0	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 20000	29.9	38.1	38.4	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	38.7
≥ 18000	29.9	38.1	38.4	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	38.7
≥ 16000	29.9	38.1	38.4	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	38.7
≥ 14000	30.3	38.5	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 12000	30.7	39.0	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 10000	32.2	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	41.6	41.6
≥ 9000	35.4	44.2	44.5	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 8000	38.3	47.8	48.1	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 7000	40.7	51.0	51.5	51.8	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 6000	42.8	53.7	54.2	54.6	54.8	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000	46.3	57.3	57.8	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	50.1	61.7	62.3	62.9	63.1	63.2	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4000	56.4	68.3	69.1	69.8	70.1	70.3	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3500	62.2	75.3	76.3	77.3	78.1	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	66.9	80.2	81.7	82.8	83.7	83.9	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	68.9	83.3	85.1	86.4	87.4	87.6	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	71.3	86.3	88.1	89.6	90.9	91.1	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1800	71.7	87.0	88.9	90.4	91.7	91.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	73.1	88.8	91.1	92.7	94.3	94.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1200	74.0	89.8	92.4	94.1	95.9	96.1	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	74.1	90.0	92.6	94.3	96.3	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	74.2	90.2	93.0	94.7	96.7	96.9	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	74.4	90.4	93.2	94.9	97.0	97.2	97.5	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	74.6	90.6	93.6	95.5	97.7	97.9	98.2	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	74.6	90.6	93.6	95.5	97.9	98.1	98.4	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	74.6	90.6	93.6	95.5	98.1	98.3	98.7	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	74.6	90.6	93.6	95.5	98.1	98.4	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.6	90.6	93.6	95.5	98.1	98.4	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.6	90.6	93.6	95.5	98.1	98.4	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.6	90.6	93.6	95.5	98.1	98.4	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	74.6	90.6	93.6	95.5	98.1	98.4	98.9	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 990

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-68,76-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼		
NO CEILING	31.7	37.2	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 20000	36.1	42.0	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	36.4	42.4	42.9	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
≥ 15000	36.4	42.4	42.9	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
≥ 14000	36.6	42.6	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 12000	37.9	44.1	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 10000	41.3	48.0	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 9000	43.8	50.7	51.2	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
≥ 8000	48.5	56.4	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	52.5	61.0	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	55.9	65.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	60.0	69.5	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4500	63.1	73.5	74.6	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4000	68.3	79.5	80.7	81.2	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 3500	72.2	83.7	85.1	85.6	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	75.5	87.6	89.0	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	77.0	89.6	91.4	91.9	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000	78.0	91.3	93.4	93.9	94.1	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1800	78.5	91.9	94.0	94.6	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	79.2	92.7	95.1	95.8	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	79.3	93.0	95.6	96.5	96.7	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1000	79.4	93.2	95.8	96.7	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	79.4	93.4	96.0	97.0	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	79.5	93.5	96.1	97.2	97.6	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	79.5	93.6	96.4	97.5	98.4	98.6	98.7	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	79.5	93.6	96.4	97.5	98.9	99.1	99.2	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥ 500	79.5	93.6	96.4	97.5	98.9	99.1	99.2	99.3	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8
≥ 400	79.5	93.6	96.4	97.5	98.9	99.1	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	79.5	93.6	96.4	97.5	98.9	99.1	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	79.5	93.6	96.4	97.5	98.9	99.1	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	79.5	93.6	96.4	97.5	98.9	99.1	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	79.5	93.6	96.4	97.5	98.9	99.1	99.3	99.5	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 984

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

CEILING (FT)	≥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
CLR	37.7	44.9	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥20000	41.2	48.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	41.3	49.0	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 5000	41.3	49.0	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 4000	42.2	50.0	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 3000	43.9	51.7	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 2500	46.8	55.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 2000	49.7	58.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 1800	54.1	64.2	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 1500	58.5	69.3	70.8	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 1200	62.1	74.3	75.7	76.2	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1000	66.4	79.3	80.8	81.4	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 900	69.3	82.5	84.1	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	72.3	86.5	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 700	73.4	87.9	90.0	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	75.1	90.1	92.2	93.0	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	75.8	91.0	93.3	94.1	94.4	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 400	76.3	91.9	94.4	95.4	95.6	95.7	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300	76.3	92.1	94.7	95.7	95.9	96.0	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200	76.5	92.8	95.6	96.7	97.0	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	76.5	92.8	95.7	97.0	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 0	76.5	92.8	95.7	97.0	97.3	97.4	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
INDEFINITE CEILING																		
≥ 900	76.6	92.9	95.8	97.1	97.5	97.6	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	76.6	92.9	95.8	97.1	97.7	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	76.6	92.9	95.8	97.3	98.2	98.3	98.3	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	76.6	92.9	95.8	97.3	98.4	98.5	98.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	76.6	92.9	95.8	97.3	98.5	98.6	99.0	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	76.6	92.9	95.8	97.3	98.5	98.6	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	76.6	92.9	95.8	97.3	98.5	98.6	99.0	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	76.6	92.9	95.8	97.3	98.5	98.6	99.0	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.6	92.9	95.8	97.3	98.5	98.6	99.0	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.6	92.9	95.8	97.3	98.5	98.6	99.0	99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	33.7	48.7	49.6	49.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.9	50.9	51.1
≥ 20000	35.8	51.3	52.1	52.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.6	53.8
≥ 18000	35.9	51.4	52.3	52.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	54.0
≥ 15000	35.9	51.4	52.3	52.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	54.0
≥ 14000	36.1	51.7	52.6	52.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.3
≥ 12000	36.5	52.3	53.1	53.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.8
≥ 10000	38.1	54.4	55.3	55.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7	57.0
≥ 9000	39.9	58.0	58.9	59.1	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.7	60.7	60.9
≥ 8000	43.6	63.5	65.1	65.2	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.8	66.8	67.0
≥ 7000	47.3	68.9	70.9	71.0	72.3	72.3	72.6	72.6	72.6	72.6	72.7	72.7	72.7	73.0	73.0	73.3
≥ 6000	49.1	72.2	74.4	74.6	75.9	76.1	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.8	76.8	77.1
≥ 5000	51.1	76.0	79.4	80.0	81.5	81.8	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.5	82.5	82.8
≥ 4500	52.1	77.6	81.1	81.7	83.2	83.7	83.9	83.9	83.9	83.9	84.1	84.1	84.1	84.4	84.4	84.7
≥ 4000	53.8	79.8	83.4	84.1	85.7	86.1	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.8	86.8	87.1
≥ 3500	54.5	81.0	84.8	85.7	87.4	87.8	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.5	88.5	88.8
≥ 3000	55.5	82.8	86.9	87.8	89.6	90.1	90.3	90.3	90.3	90.3	90.5	90.5	90.5	90.8	90.8	91.1
≥ 2500	56.0	83.7	87.9	88.9	90.9	91.3	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.3	92.3	92.6
≥ 2000	56.4	84.9	89.3	90.3	92.9	93.3	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.5	94.5	94.7
≥ 1800	56.7	85.2	89.6	90.6	93.3	93.8	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.9	94.9	95.2
≥ 1500	57.1	85.9	90.6	91.6	94.3	94.7	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.9	95.9	96.2
≥ 1200	57.1	85.9	90.8	92.0	95.0	95.5	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.9	96.9	97.2
≥ 1000	57.2	86.1	90.9	92.2	95.3	95.7	96.7	96.7	96.7	96.9	97.0	97.0	97.0	97.3	97.3	97.6
≥ 900	57.2	86.1	90.9	92.2	95.5	95.9	96.9	96.9	96.9	97.0	97.2	97.2	97.2	97.4	97.4	97.7
≥ 800	57.2	86.1	91.1	92.3	95.7	96.2	97.2	97.2	97.2	97.3	97.4	97.4	97.4	97.7	97.7	98.0
≥ 700	57.2	86.1	91.1	92.3	95.9	96.3	97.4	97.4	97.4	97.6	97.7	97.7	97.7	98.0	98.0	98.3
≥ 600	57.2	86.1	91.1	92.3	96.2	96.6	97.7	97.7	97.7	97.9	98.0	98.0	98.0	98.3	98.3	98.6
≥ 500	57.2	86.1	91.1	92.6	96.7	97.2	98.3	98.3	98.4	98.6	98.7	98.7	98.7	99.0	99.0	99.3
≥ 400	57.2	86.1	91.1	92.6	96.7	97.2	98.3	98.4	98.6	98.7	98.9	98.9	98.9	99.1	99.1	99.4
≥ 300	57.2	86.1	91.1	92.6	96.7	97.2	98.3	98.6	98.7	98.9	99.0	99.0	99.0	99.3	99.3	99.6
≥ 200	57.2	86.1	91.1	92.6	96.7	97.2	98.3	98.6	98.7	98.9	99.0	99.1	99.1	99.6	99.6	99.9
≥ 100	57.2	86.1	91.1	92.6	96.7	97.2	98.3	98.7	98.9	99.0	99.1	99.3	99.3	99.7	99.7	100.0
≥ 0	57.2	86.1	91.1	92.6	96.7	97.2	98.3	98.7	98.9	99.0	99.1	99.3	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 704

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL — 64-68,76-81 — JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS — ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1¼	≥1	≥¾	≥½	≥¼	≥0				
NO CEILING	27.9	39.8	41.1	42.0	42.7	42.7	43.0	43.2	43.3	43.4	43.5	43.5	43.5	43.6	43.6	43.9
≥ 20000	30.2	42.3	43.6	44.5	45.2	45.3	45.6	45.8	45.9	46.0	46.1	46.1	46.1	46.2	46.2	46.5
≥ 18000	30.3	42.4	43.7	44.6	45.3	45.4	45.7	45.9	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.6
≥ 16000	30.3	42.4	43.7	44.6	45.3	45.4	45.7	45.9	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.6
≥ 14000	30.6	42.7	44.0	44.9	45.6	45.7	46.0	46.3	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.9
≥ 12000	31.2	43.5	44.8	45.8	46.4	46.5	46.9	47.1	47.2	47.3	47.4	47.4	47.4	47.5	47.5	47.8
≥ 10000	33.0	45.7	47.1	48.0	48.7	48.8	49.2	49.4	49.5	49.6	49.7	49.7	49.7	49.8	49.8	50.1
≥ 9000	35.1	48.6	50.0	51.0	51.7	51.9	52.2	52.4	52.6	52.7	52.8	52.8	52.8	52.9	52.9	53.2
≥ 8000	38.9	54.0	55.7	56.7	57.6	57.8	58.2	58.5	58.6	58.7	58.8	58.8	58.8	58.9	58.9	59.2
≥ 7000	41.7	57.9	59.9	61.0	61.9	62.2	62.7	63.0	63.1	63.2	63.3	63.4	63.4	63.5	63.5	63.8
≥ 6000	43.9	61.2	63.4	64.7	65.6	65.9	66.5	66.7	66.8	67.0	67.1	67.1	67.2	67.2	67.2	67.5
≥ 5000	46.7	64.6	67.1	68.5	69.6	69.9	70.4	70.7	70.9	71.1	71.2	71.2	71.3	71.3	71.3	71.6
≥ 4500	48.8	67.4	70.0	71.5	72.7	73.1	73.6	74.0	74.2	74.4	74.5	74.5	74.6	74.6	74.6	74.9
≥ 4000	51.7	70.9	73.7	75.4	76.8	77.1	77.8	78.2	78.4	78.6	78.7	78.7	78.8	78.9	78.9	79.2
≥ 3500	54.3	74.0	77.1	78.9	80.4	80.8	81.5	81.9	82.1	82.3	82.4	82.4	82.5	82.6	82.6	82.9
≥ 3000	56.5	76.6	79.9	81.8	83.4	83.8	84.5	85.0	85.2	85.5	85.6	85.6	85.7	85.8	85.8	86.1
≥ 2500	57.9	78.6	82.0	84.0	85.7	86.2	86.9	87.5	87.6	87.9	88.0	88.1	88.2	88.2	88.2	88.5
≥ 2000	59.0	80.3	83.9	86.0	87.9	88.4	89.2	89.8	90.0	90.2	90.4	90.4	90.5	90.6	90.6	90.9
≥ 1800	59.2	80.7	84.4	86.5	88.5	89.0	89.8	90.4	90.6	90.9	91.0	91.0	91.1	91.2	91.2	91.5
≥ 1500	59.9	81.9	85.8	88.1	90.3	90.8	91.7	92.3	92.5	92.8	92.9	93.0	93.1	93.1	93.1	93.4
≥ 1200	60.4	82.7	86.8	89.3	91.6	92.2	93.2	93.8	94.0	94.3	94.5	94.5	94.6	94.7	94.7	95.0
≥ 1000	60.5	83.0	87.3	89.8	92.3	92.9	94.0	94.6	94.8	95.2	95.3	95.4	95.5	95.5	95.5	95.8
≥ 900	60.6	83.2	87.5	90.1	92.7	93.4	94.5	95.2	95.4	95.7	95.9	95.9	96.1	96.1	96.1	96.4
≥ 800	60.7	83.4	87.9	90.6	93.4	94.1	95.2	95.9	96.1	96.5	96.6	96.7	96.8	96.9	96.9	97.2
≥ 700	60.8	83.6	88.2	90.9	93.9	94.6	95.8	96.6	96.9	97.2	97.4	97.4	97.6	97.6	97.6	97.9
≥ 600	60.8	83.7	88.2	91.0	94.3	95.0	96.3	97.1	97.4	97.8	97.9	98.0	98.1	98.2	98.2	98.5
≥ 500	60.8	83.7	88.3	91.0	94.4	95.2	96.6	97.4	97.7	98.1	98.3	98.3	98.5	98.5	98.5	98.8
≥ 400	60.8	83.7	88.3	91.1	94.5	95.3	96.7	97.7	98.0	98.4	98.6	98.7	98.8	98.9	98.9	99.2
≥ 300	60.8	83.7	88.3	91.1	94.5	95.4	96.9	97.9	98.3	98.7	98.9	99.0	99.2	99.2	99.2	99.5
≥ 200	60.8	83.7	88.3	91.1	94.5	95.4	96.9	97.9	98.3	98.8	99.0	99.1	99.3	99.4	99.4	99.7
≥ 100	60.8	83.7	88.3	91.1	94.5	95.4	96.9	97.9	98.3	98.8	99.0	99.1	99.3	99.4	99.5	100.0
≥ 0	60.8	83.7	88.3	91.1	94.5	95.4	96.9	97.9	98.3	98.8	99.0	99.1	99.3	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6578

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] SEMBACH AB DL 64-68,78 AVG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	<¼		
NO CEILING	18.2	42.9	46.0	50.4	53.8	54.4	56.1	56.5	56.9	57.5	57.7	57.7	57.9	58.2	58.6	60.0	
≥ 20000	18.4	43.1	46.2	50.6	54.0	54.6	56.5	57.3	57.7	58.4	58.6	58.6	59.0	59.2	59.6	61.1	
≥ 18000	18.4	43.1	46.2	50.6	54.0	54.6	56.5	57.3	57.7	58.4	58.6	58.6	59.0	59.2	59.6	61.1	
≥ 15000	18.4	43.1	46.2	50.6	54.0	54.6	56.5	57.3	57.7	58.4	58.6	58.6	59.0	59.2	59.6	61.1	
≥ 14000	18.4	43.1	46.2	50.6	54.0	54.6	56.5	57.3	57.7	58.4	58.6	58.6	59.0	59.2	59.6	61.1	
≥ 12000	18.8	43.5	46.7	51.0	54.4	55.0	56.9	57.7	58.2	58.8	59.0	59.0	59.4	59.6	60.0	61.5	
≥ 10000	19.7	45.4	48.5	52.9	56.3	56.9	58.8	59.6	60.0	60.7	60.9	60.9	61.3	61.5	61.9	63.4	
≥ 9000	20.5	48.1	51.5	55.9	59.2	59.8	61.7	62.6	63.0	63.6	63.8	63.8	64.2	64.4	64.9	66.3	
≥ 8000	23.4	54.2	57.7	62.1	65.9	66.5	68.4	69.2	69.7	70.3	70.9	70.9	71.3	71.5	72.0	73.4	
≥ 7000	23.6	58.4	61.9	66.3	70.1	70.7	72.6	73.4	73.8	74.5	75.1	75.1	75.5	75.7	76.2	77.6	
≥ 6000	24.1	61.1	65.1	70.1	74.1	74.9	77.2	78.0	78.5	79.1	79.7	79.7	80.1	80.3	80.8	82.2	
≥ 5000	24.7	62.1	66.1	71.5	75.7	76.6	78.9	79.7	80.1	80.8	81.4	81.4	81.8	82.0	82.4	83.9	
≥ 4500	25.3	63.2	67.4	73.0	77.2	78.0	80.5	81.4	81.8	82.4	83.1	83.1	83.5	83.7	84.1	85.6	
≥ 4000	25.9	64.2	68.8	74.5	78.7	79.7	82.2	83.1	83.5	84.1	84.7	84.7	85.1	85.4	85.8	87.2	
≥ 3500	26.2	64.9	69.5	75.1	79.3	80.3	82.8	83.7	84.1	84.9	85.6	85.6	86.0	86.2	86.6	88.1	
≥ 3000	26.2	64.9	69.5	75.1	79.3	80.3	83.1	83.9	84.5	85.4	86.0	86.0	86.4	86.6	87.0	88.5	
≥ 2500	26.2	65.1	70.1	75.7	79.9	81.0	83.7	84.7	85.6	86.4	87.0	87.0	87.7	87.9	88.3	89.7	
≥ 2000	26.4	66.1	71.1	76.8	81.0	82.0	85.1	86.2	87.0	87.9	88.5	88.5	89.1	89.3	89.7	91.2	
≥ 1800	26.4	66.3	71.8	77.6	81.8	82.8	86.0	87.0	87.9	88.7	89.3	89.3	90.0	90.2	90.6	92.1	
≥ 1500	26.6	66.5	72.0	77.8	82.0	83.1	86.4	87.4	88.3	89.1	89.7	89.7	90.4	90.6	91.0	92.5	
≥ 1200	26.6	67.2	72.8	78.7	83.1	84.1	87.7	88.7	89.5	90.4	91.0	91.0	91.6	91.8	92.3	93.7	
≥ 1000	26.6	67.6	73.2	79.3	83.7	84.7	88.3	89.7	90.6	91.4	92.1	92.3	92.9	93.1	93.5	95.0	
≥ 900	26.8	67.8	73.4	79.5	83.9	84.9	88.5	90.0	90.8	91.6	92.3	92.5	93.1	93.3	93.7	95.2	
≥ 800	26.8	67.8	73.4	79.9	84.3	85.4	88.9	90.4	91.2	92.1	92.7	92.9	93.5	93.7	94.1	95.6	
≥ 700	26.8	67.8	73.4	79.9	84.5	85.6	89.3	91.2	92.1	93.1	93.7	93.9	94.6	94.8	95.2	96.7	
≥ 600	27.0	68.4	74.1	80.5	85.1	86.2	90.0	92.1	92.9	93.9	94.6	94.8	95.4	95.6	96.0	97.5	
≥ 500	27.0	68.4	74.1	80.5	85.8	86.8	90.8	93.1	93.9	95.0	95.6	95.8	96.4	96.7	97.1	98.5	
≥ 400	27.0	68.4	74.1	80.5	85.8	86.8	90.8	93.1	93.9	95.0	95.6	95.8	96.4	96.7	97.1	98.5	
≥ 300	27.0	68.4	74.1	80.5	86.2	87.2	91.2	93.5	94.4	95.4	96.0	96.2	96.9	97.1	97.5	99.0	
≥ 200	27.0	68.4	74.1	80.5	86.2	87.2	91.2	93.5	94.4	95.4	96.0	96.2	96.9	97.1	97.5	99.0	
[illegible]	27.0	68.4	74.1	80.5	86.2	87.2	91.2	93.5	94.4	95.4	96.0	96.2	96.9	97.1	97.5	100.0	
	27.0	68.4	74.1	80.5	86.2	87.2	91.2	93.5	94.4	95.4	96.0	96.2	96.9	97.1	97.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 978

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-68,77-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0				
NO CEILING	17.4	31.1	34.9	37.5	41.0	41.8	43.6	45.6	46.4	47.3	47.6	47.8	47.8	48.3	48.8	51.4
≥ 20000	18.0	31.7	35.9	38.5	42.0	42.8	44.6	46.6	47.4	48.3	48.8	48.9	48.9	49.4	49.9	53.4
≥ 18000	18.0	31.7	35.9	38.5	42.0	42.8	44.6	46.6	47.4	48.3	48.8	48.9	48.9	49.4	49.9	53.4
≥ 16000	18.0	31.7	35.9	38.5	42.0	42.8	44.6	46.6	47.4	48.3	48.8	48.9	48.9	49.4	49.9	53.4
≥ 14000	18.0	31.7	35.9	38.5	42.0	42.8	44.6	46.6	47.4	48.3	48.8	48.9	48.9	49.4	49.9	53.4
≥ 12000	18.3	32.6	36.7	39.3	42.8	43.6	45.5	47.4	48.3	49.1	49.6	49.8	49.8	50.2	50.7	54.2
≥ 10000	19.5	34.2	38.3	41.2	44.6	45.5	47.4	49.6	50.4	51.2	51.7	51.9	52.1	52.7	53.2	56.7
≥ 9000	20.7	36.9	41.0	43.8	47.6	48.6	50.7	52.9	53.7	54.5	55.0	55.2	55.4	56.0	56.5	60.0
≥ 8000	22.6	41.3	45.5	48.3	52.2	53.2	55.4	57.5	58.3	59.2	59.7	59.8	60.0	60.7	61.3	65.1
≥ 7000	22.8	44.1	48.3	51.2	55.7	56.7	58.8	61.2	62.0	62.8	63.3	63.5	63.6	64.3	65.0	68.8
≥ 6000	23.5	48.1	52.2	55.2	59.7	60.7	62.8	65.5	66.6	67.6	68.3	68.4	68.6	69.3	69.9	73.7
≥ 5000	23.5	48.8	53.2	56.2	60.7	61.7	64.0	66.6	67.8	68.8	69.4	69.6	69.8	70.4	71.1	74.9
≥ 4500	23.6	49.3	54.2	57.2	62.0	63.0	65.3	67.9	69.1	70.1	70.7	71.1	71.2	71.9	72.6	76.4
≥ 4000	24.6	50.9	56.9	59.8	64.8	66.1	68.8	71.9	73.1	74.0	74.7	75.0	75.2	75.9	76.5	80.3
≥ 3500	24.8	51.4	57.4	60.3	65.5	66.8	69.8	72.9	74.0	75.0	75.7	76.0	76.2	76.9	77.5	81.3
≥ 3000	25.0	51.9	57.9	60.8	66.4	67.9	71.1	74.5	75.7	76.7	77.4	77.7	77.9	78.7	79.3	83.1
≥ 2500	25.1	52.6	58.5	61.7	67.3	68.8	72.1	75.7	76.9	77.9	78.5	78.8	79.0	79.8	80.5	84.3
≥ 2000	25.8	54.0	60.2	63.3	68.9	70.4	73.9	77.5	78.7	79.8	80.5	80.8	81.0	81.8	82.5	86.3
≥ 1800	25.8	54.2	60.3	63.6	69.3	70.7	74.2	77.9	79.0	80.2	80.8	81.2	81.3	82.1	82.8	86.6
≥ 1500	26.1	55.0	61.3	64.6	70.2	71.7	75.2	79.0	80.3	81.5	82.1	82.5	82.6	83.5	84.1	87.9
≥ 1200	26.4	55.7	62.3	66.1	71.9	73.6	77.4	81.3	82.6	83.8	84.5	84.8	85.0	85.8	86.4	90.2
≥ 1000	26.4	56.2	63.0	67.1	72.9	74.5	78.5	83.1	84.5	85.6	86.3	86.6	86.8	87.6	88.3	92.1
≥ 900	26.4	56.2	63.1	67.3	73.1	74.9	78.8	83.5	84.8	86.0	86.6	86.9	87.1	87.9	88.6	92.4
≥ 800	26.4	56.4	63.5	67.9	73.9	75.9	79.8	84.5	85.8	86.9	87.6	87.9	88.1	88.9	89.6	93.4
≥ 700	26.4	56.4	63.5	68.1	74.0	76.0	80.0	84.8	86.1	87.3	87.9	88.3	88.4	89.3	89.9	93.7
≥ 600	26.4	56.4	63.5	68.1	74.2	76.2	80.2	85.0	86.4	87.6	88.3	88.6	88.8	89.6	90.2	94.0
≥ 500	26.4	56.4	63.5	68.1	74.9	76.9	81.2	86.0	87.4	88.8	89.4	89.8	89.9	90.7	91.4	95.2
≥ 400	26.4	56.4	63.5	68.3	75.0	77.0	81.5	86.3	87.8	89.1	89.8	90.1	90.2	91.1	91.7	95.5
≥ 300	26.4	56.4	63.5	68.3	75.2	77.2	81.7	86.6	88.1	89.4	90.2	90.6	90.7	91.6	92.2	96.0
≥ 200	26.4	56.4	63.5	68.3	75.2	77.2	81.7	86.8	88.3	89.6	90.9	91.4	91.7	92.7	93.4	97.2
≥ 100	26.4	56.4	63.5	68.3	75.2	77.2	81.7	86.8	88.3	89.6	90.9	91.4	91.9	93.1	93.9	99.0
≥ 0	26.4	56.4	63.5	68.3	75.2	77.2	81.7	86.8	88.3	89.6	90.9	91.6	92.1	93.4	94.4	100.0

TOTAL NUMBER OF OBSERVATIONS 605

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

1 7120 SEMBACH AB DL 64-68,76-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING (FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	20.7	28.3	30.9	33.6	37.3	38.2	39.3	40.6	41.4	42.1	42.6	42.6	42.7	43.2	43.3	45.3
≥ 20000	22.2	30.0	32.6	35.5	39.5	40.4	41.6	42.9	43.8	44.7	45.2	45.2	45.6	46.0	46.1	48.7
≥ 8000	22.2	30.0	32.6	35.5	39.5	40.4	41.6	42.9	43.8	44.7	45.2	45.2	45.6	46.0	46.1	48.7
≥ 6000	22.2	30.0	32.6	35.5	39.5	40.4	41.6	42.9	43.8	44.7	45.2	45.2	45.6	46.0	46.1	48.7
≥ 4500	22.2	30.0	32.6	35.5	39.5	40.4	41.6	42.9	43.9	44.8	45.3	45.3	45.7	46.1	46.2	48.8
≥ 3500	22.9	30.9	33.6	36.5	40.6	41.5	42.7	44.0	45.0	45.9	46.4	46.4	46.8	47.2	47.3	49.9
≥ 3000	24.5	33.4	36.3	39.4	44.0	44.9	46.1	47.8	48.8	49.7	50.3	50.3	50.6	51.2	51.3	54.0
≥ 2500	25.5	34.9	37.9	41.1	46.1	47.2	48.5	50.6	51.8	52.8	53.3	53.3	53.7	54.2	54.3	57.1
≥ 2000	28.5	39.5	43.0	46.4	51.9	53.1	54.7	56.7	57.9	59.3	59.9	59.9	60.2	60.8	60.9	63.9
≥ 1800	29.1	40.9	44.7	48.1	53.8	55.0	56.8	58.9	60.2	61.6	62.2	62.2	62.5	63.1	63.2	66.3
≥ 1600	29.9	42.6	46.7	50.3	56.1	57.3	59.1	61.2	62.5	63.9	64.5	64.5	64.8	65.4	65.5	68.6
≥ 1400	30.8	43.9	48.0	52.0	58.1	59.3	61.2	63.3	64.6	65.9	66.6	66.6	66.9	67.5	67.6	70.6
≥ 1200	31.4	45.2	49.6	53.7	59.7	60.9	63.1	65.3	66.7	68.1	68.8	68.8	69.1	69.7	69.8	72.8
≥ 1000	33.1	47.6	52.2	56.4	62.7	63.9	66.3	68.6	70.1	71.5	72.2	72.2	72.5	73.1	73.2	76.2
≥ 900	33.3	48.3	53.3	57.7	64.1	65.3	67.8	70.1	71.6	73.2	73.8	73.8	74.2	74.7	74.8	77.9
≥ 800	34.3	50.2	55.3	59.9	66.4	67.6	70.3	72.8	74.4	75.9	76.7	76.7	77.1	77.7	77.8	80.8
≥ 700	34.9	51.3	56.4	61.2	67.8	69.0	71.7	74.3	75.8	77.3	78.1	78.1	78.5	79.1	79.2	82.3
≥ 650	35.8	52.7	57.9	63.1	69.8	71.0	73.8	76.3	77.9	79.4	80.2	80.2	80.6	81.2	81.3	84.3
≥ 600	35.8	52.8	58.1	63.2	69.9	71.1	73.9	76.5	78.0	79.5	80.3	80.3	80.7	81.3	81.4	84.4
≥ 550	35.9	53.0	58.4	63.6	70.3	71.6	74.8	77.4	79.1	80.6	81.5	81.5	81.9	82.5	82.6	85.7
≥ 500	36.0	53.8	59.6	65.1	72.0	73.5	76.9	79.6	81.4	82.9	83.8	83.8	84.2	84.8	84.9	88.0
≥ 450	36.5	54.7	60.9	66.6	74.0	75.7	79.4	82.4	84.1	85.9	86.7	86.7	87.2	87.7	87.8	90.9
≥ 400	36.5	54.8	61.0	66.7	74.2	75.9	79.8	82.9	84.9	86.9	87.7	87.7	88.2	88.8	88.9	92.0
≥ 350	36.6	54.9	61.3	67.5	75.1	77.1	81.2	84.7	86.6	88.6	89.5	89.5	89.9	90.7	90.8	93.9
≥ 300	36.6	55.0	61.6	67.8	75.6	77.5	81.6	85.5	87.5	89.5	90.4	90.4	90.9	91.7	91.8	94.9
≥ 250	36.6	55.2	61.8	68.0	76.1	78.2	82.3	86.5	88.5	90.8	91.7	91.7	92.2	93.0	93.1	96.3
≥ 200	36.6	55.2	61.9	68.5	77.0	79.1	83.4	87.8	89.9	92.2	93.1	93.1	93.6	94.4	94.5	97.7
≥ 150	36.6	55.2	61.9	68.5	77.0	79.1	83.4	88.0	90.0	92.3	93.2	93.2	93.8	94.5	94.6	97.9
≥ 100	36.6	55.2	61.9	68.5	77.0	79.1	83.4	88.0	90.0	92.3	93.3	93.3	94.1	94.9	95.0	98.2
≥ 70	36.6	55.2	61.9	68.5	77.0	79.1	83.4	88.0	90.0	92.6	93.8	93.8	94.7	95.6	95.8	99.6
≥ 50	36.6	55.2	61.9	68.5	77.0	79.1	83.4	88.0	90.0	92.6	93.8	93.8	94.7	95.6	95.8	99.9
≥ 0	36.6	55.2	61.9	68.5	77.0	79.1	83.4	88.0	90.0	92.6	93.8	93.8	94.7	95.6	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 913

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

	23.6	33.7	36.3	38.6	41.1	41.4	41.7	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	
	25.7	36.2	39.1	41.5	44.0	44.5	44.8	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.	
	25.8	36.3	39.2	41.6	44.1	44.6	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45	
	25.8	36.3	39.2	41.6	44.1	44.6	44.9	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.	
	26.0	36.6	39.5	42.0	44.6	45.1	45.4	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	
	26.3	37.2	40.1	42.6	45.3	45.8	46.1	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	
	26.8	38.7	41.8	44.4	47.2	47.8	48.1	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	
	27.9	40.4	43.5	46.2	49.0	49.6	49.9	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
	30.2	44.8	48.5	51.5	54.6	55.2	55.7	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	
	32.3	47.3	50.9	54.3	57.7	58.3	58.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	
	33.6	49.0	52.7	56.3	59.7	60.4	60.9	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	
	35.4	50.8	54.6	58.2	61.8	62.5	63.1	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	
	37.1	52.6	56.5	60.1	63.8	64.5	65.2	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	
	39.5	55.8	59.8	63.8	67.7	68.4	69.1	69.4	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	
	41.2	58.2	62.4	66.6	70.6	71.4	72.2	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	
	44.9	62.7	67.4	71.6	76.2	77.0	77.8	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	
	46.1	64.8	70.0	74.5	79.1	79.9	80.7	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	
	47.4	67.2	72.5	77.3	82.2	83.0	83.8	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	
	48.2	68.3	73.7	78.6	83.5	84.3	85.2	85.5	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
	48.8	69.3	74.9	80.0	85.0	85.8	86.8	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
	49.7	70.7	77.1	82.9	88.2	89.0	90.5	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
	49.9	71.2	77.8	83.7	89.2	90.0	91.8	92.3	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
	50.0	71.4	78.1	84.1	89.8	90.6	92.5	93.2	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
	50.2	71.8	78.6	84.8	90.5	91.5	93.7	94.4	94.6	95.0	95.1	95.1	95.1	95.1	95.1	95.1	
	50.4	72.2	79.1	85.6	91.5	92.6	95.1	96.2	96.4	97.0	97.1	97.1	97.2	97.2	97.2	97.2	
	50.4	72.2	79.2	86.1	92.2	93.3	96.0	97.4	97.9	98.5	98.6	98.6	98.7	98.7	98.7	98.7	
	50.4	72.2	79.2	86.2	92.4	93.5	96.2	98.0	98.5	99.2	99.4	99.4	99.5	99.5	99.5	99.5	
	50.4	72.2	79.2	86.2	92.4	93.5	96.3	98.1	98.6	99.3	99.5	99.5	99.6	99.6	99.6	99.6	
	50.4	72.2	79.2	86.2	92.4	93.5	96.3	98.1	98.6	99.3	99.5	99.6	99.7	99.8	99.8	99.9	
	50.4	72.2	79.2	86.2	92.4	93.5	96.3	98.1	98.6	99.3	99.5	99.6	99.7	99.8	99.8	100.0	
	50.4	72.2	79.2	86.2	92.4	93.5	96.3	98.1	98.6	99.3	99.5	99.6	99.7	99.8	99.8	100.0	
	50.4	72.2	79.2	86.2	92.4	93.5	96.3	98.1	98.6	99.3	99.5	99.6	99.7	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 1005

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-68,76-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥7	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0				
NO CEILING	25.9	32.5	33.9	34.7	35.1	35.2	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 20000	28.9	36.2	37.6	38.4	38.8	38.9	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 18000	29.1	36.4	37.8	38.6	39.0	39.1	39.	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 17000	29.1	36.4	37.8	38.6	39.0	39.1	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 14000	29.4	36.9	38.3	39.1	39.5	39.6	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 12000	29.7	38.1	39.6	40.4	40.8	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 10000	31.7	40.9	42.7	43.5	43.8	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 9000	33.3	43.2	44.9	45.7	46.1	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 8000	36.7	47.8	50.1	51.0	51.5	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 7000	40.1	52.0	54.4	55.3	55.9	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	42.5	54.7	57.2	58.2	58.8	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 5000	44.5	57.4	60.1	61.1	61.7	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500	47.0	60.5	63.3	64.3	65.0	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	51.8	67.2	70.3	71.5	72.2	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3500	56.1	72.0	75.8	77.1	77.8	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000	60.6	78.2	82.8	84.3	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2500	61.9	80.4	85.3	87.1	87.9	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 2000	63.9	83.0	88.2	90.4	91.3	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1800	64.5	84.3	89.7	92.0	93.0	93.1	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1500	65.2	85.8	91.5	93.8	94.8	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200	65.5	86.3	92.2	94.9	96.2	96.3	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1100	66.0	87.0	93.0	95.7	97.6	97.7	98.0	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	66.0	87.0	93.1	95.8	97.7	97.8	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	66.0	87.0	93.1	95.8	97.7	97.8	98.1	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	66.0	87.1	93.2	96.0	97.9	98.0	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	66.0	87.1	93.3	96.1	98.3	98.4	98.7	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	66.0	87.1	93.3	96.1	98.4	98.5	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	66.0	87.1	93.3	96.1	98.4	98.5	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	66.0	87.1	93.3	96.1	98.4	98.5	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	66.0	87.1	93.3	96.1	98.4	98.5	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	66.0	87.1	93.3	96.1	98.4	98.5	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	66.0	87.1	93.3	96.1	98.4	98.5	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	66.0	87.1	93.3	96.1	98.4	98.5	98.8	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1008

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AI[illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

CEILING (FT)	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
[illegible]	29.7	36.4	37.5	37.6	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
[illegible]	34.7	42.1	43.4	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
8000	34.7	42.1	43.4	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
[illegible]	34.9	42.3	43.6	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
14000	35.9	43.4	44.8	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
12000	36.6	44.8	46.6	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
[illegible]	38.1	47.6	49.5	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
[illegible]	40.7	51.1	53.0	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
[illegible]	46.6	58.4	60.8	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
[illegible]	49.9	62.8	65.3	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
[illegible]	53.7	69.1	71.7	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
[illegible]	57.6	73.7	76.4	76.7	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
[illegible]	60.9	77.5	80.3	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
[illegible]	65.3	82.8	85.6	86.0	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
[illegible]	67.0	85.4	88.6	89.0	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
[illegible]	69.4	88.7	91.9	92.5	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	93.2
2500	70.3	89.9	93.2	93.9	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	94.6
2000	71.3	91.3	94.6	95.4	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1800	71.5	91.6	94.9	95.9	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
1500	71.7	92.2	95.6	96.5	97.2	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1200	71.9	92.4	95.8	96.8	97.5	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	72.2	92.9	96.6	98.0	98.7	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	72.2	92.9	96.6	98.0	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	72.3	93.0	96.7	98.1	98.8	98.9	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
700	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	72.4	93.1	96.8	98.3	99.0	99.1	99.5	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 AWG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	⅜	¼	⅛	0
NO CEILING	37.6	46.5	47.9	48.5	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	42.3	51.7	53.3	53.8	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	42.5	52.0	53.5	54.1	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	42.5	52.0	53.5	54.1	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	43.0	52.6	54.2	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
≥ 12000	44.4	54.5	56.4	57.0	57.3	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 10000	46.4	57.4	59.3	59.9	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	49.4	60.8	62.7	63.2	63.5	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	54.8	69.0	71.1	72.0	72.7	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	57.4	72.9	75.3	76.5	77.1	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 6000	59.4	76.8	79.5	80.8	81.5	81.7	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 5000	61.1	79.3	82.2	83.6	84.4	84.6	84.7	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	62.9	81.4	84.4	86.0	86.8	87.2	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	64.9	83.9	87.1	88.9	90.0	90.3	90.4	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3500	66.1	86.0	89.2	91.0	92.3	92.8	93.0	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000	66.9	86.7	90.0	91.9	93.2	93.6	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	68.0	88.4	92.2	94.1	95.4	95.9	96.1	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	68.1	88.6	92.5	94.5	95.9	96.3	96.5	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	68.1	88.6	92.5	94.6	96.0	96.4	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 1500	68.6	89.2	93.3	95.7	97.1	97.5	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	68.7	89.3	93.4	95.8	97.2	97.7	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	68.7	89.4	93.6	96.1	97.5	98.0	98.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	68.8	89.5	93.8	96.4	97.9	98.3	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 800	68.9	89.6	93.9	96.5	98.0	98.4	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	68.9	89.6	93.9	96.7	98.1	98.6	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-68,76-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING (FEET) / VISIBILITY																	
	30.2	45.3	48.9	51.4	53.5	53.9	54.1	54.5	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	
	32.4	47.6	51.7	54.2	56.5	57.0	57.1	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	
≥ 18000	32.7	47.9	52.0	54.5	56.8	57.3	57.4	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
15000	32.7	47.9	52.1	54.5	56.8	57.3	57.4	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
≥ 14000	32.7	47.9	52.1	54.5	56.8	57.3	57.4	57.9	57.9	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
12000	33.5	49.2	53.5	56.1	58.3	58.8	58.9	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
11000	34.1	51.8	56.1	58.6	60.9	61.4	61.5	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
10000	36.4	55.0	59.2	61.8	64.1	64.5	64.7	65.2	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	
9000	39.7	59.7	64.8	67.6	70.3	70.9	71.1	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	
8000	41.1	65.3	70.6	73.6	76.5	77.1	77.3	77.9	77.9	78.2	78.3	78.3	78.3	78.3	78.3	78.5	
7000	42.4	69.8	75.5	79.4	82.4	83.0	83.2	83.8	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.4	
6000	43.6	72.4	78.3	82.6	85.6	86.2	86.4	87.0	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.6	
5000	44.2	73.5	79.5	83.8	86.8	87.6	87.9	88.5	88.5	88.8	88.9	88.9	88.9	88.9	88.9	89.1	
4500	45.5	75.5	81.7	86.1	89.2	90.0	90.3	90.9	90.9	91.2	91.4	91.4	91.4	91.4	91.4	91.5	
4000	46.4	76.7	83.0	87.6	90.9	91.8	92.4	93.2	93.2	93.5	93.6	93.6	93.6	93.6	93.6	93.8	
3500	47.4	77.7	84.1	88.6	92.1	93.0	93.6	94.4	94.4	94.7	94.8	94.8	94.8	94.8	94.8	95.0	
3000	47.7	78.0	84.5	89.1	92.6	93.6	94.2	95.0	95.0	95.3	95.5	95.5	95.5	95.5	95.5	95.6	
2500	47.9	78.3	84.8	89.4	92.9	93.9	94.5	95.3	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.9	
1800	47.9	78.3	84.8	89.4	92.9	93.9	94.5	95.3	95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.9	
1500	48.0	78.6	85.2	90.0	93.5	94.5	95.2	95.9	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.5	
1200	48.3	79.4	85.9	90.8	94.2	95.3	95.9	96.8	96.8	97.1	97.3	97.3	97.3	97.3	97.3	97.4	
1000	48.3	79.5	86.2	91.2	94.7	95.8	96.4	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.9	
900	48.5	79.7	86.4	91.5	95.0	96.2	97.1	98.0	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.6	
800	48.5	79.7	86.4	91.7	95.3	96.5	97.6	98.6	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.2	
700	48.5	79.7	86.4	91.7	95.3	96.5	97.6	98.6	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.2	
600	48.5	79.7	86.4	91.8	95.8	97.0	98.0	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.8	
500	48.5	79.7	86.4	91.8	95.8	97.0	98.0	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.8	
400	48.5	79.7	86.4	91.8	95.8	97.0	98.0	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	100.0	
300	48.5	79.7	86.4	91.8	95.8	97.0	98.0	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	100.0	
200	48.5	79.7	86.4	91.8	95.8	97.0	98.0	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	100.0	
100	48.5	79.7	86.4	91.8	95.8	97.0	98.0	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	100.0	
0	48.5	79.7	86.4	91.8	95.8	97.0	98.0	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	100.0	

TOTAL NUMBER OF OBSERVATIONS 660

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	≥ 0	≥ 200	≥ 300	≥ 400	≥ 500	≥ 600	≥ 700	≥ 800	≥ 900	≥ 1000	≥ 1100	≥ 1200	≥ 1300	≥ 1400	≥ 1500	≥ 1600	≥ 1700	≥ 1800	≥ 1900	≥ 2000	≥ 2100	≥ 2200
≥ 22000	26.1	36.5	38.8	40.6	42.4	42.8	43.3	43.8	44.0	44.2	44.4	44.4	44.4	44.5	44.6	45.3						
≥ 20000	28.8	39.6	42.0	43.8	45.7	46.1	46.7	47.2	47.5	47.7	47.9	47.9	48.0	48.1	48.2	49.0						
≥ 18000	28.9	39.7	42.2	44.0	45.8	46.3	46.8	47.3	47.6	47.9	48.0	48.0	48.1	48.2	48.3	49.1						
≥ 17000	28.9	39.7	42.2	44.0	45.9	46.3	46.8	47.4	47.6	47.9	48.0	48.0	48.1	48.2	48.3	49.1						
≥ 16000	29.2	40.1	42.6	44.4	46.3	46.7	47.3	47.8	48.0	48.3	48.5	48.5	48.6	48.7	48.8	49.6						
≥ 15000	29.8	41.2	43.8	45.7	47.6	48.0	48.6	49.1	49.3	49.6	49.8	49.8	49.9	50.0	50.1	50.9						
≥ 14000	31.2	43.6	46.3	48.2	50.2	50.7	51.2	51.8	52.1	52.4	52.5	52.5	52.6	52.8	52.9	53.7						
≥ 13000	32.3	46.2	48.9	50.8	52.9	53.4	54.0	54.7	55.0	55.3	55.4	55.4	55.5	55.7	55.7	56.6						
≥ 12000	36.6	51.8	55.0	57.1	59.4	59.9	60.6	61.3	61.5	61.9	62.1	62.1	62.2	62.3	62.4	63.3						
≥ 11000	38.5	55.3	58.6	60.9	63.4	63.9	64.6	65.3	65.6	65.9	66.1	66.2	66.3	66.4	66.5	67.4						
≥ 10000	40.3	58.7	62.2	64.7	67.3	67.8	68.5	69.3	69.6	70.0	70.2	70.2	70.3	70.5	70.6	71.5						
≥ 9000	42.0	61.0	64.7	67.3	70.0	70.5	71.3	72.1	72.4	72.8	73.0	73.0	73.1	73.3	73.4	74.3						
≥ 8000	43.6	63.1	66.9	69.5	72.3	72.8	73.7	74.5	74.9	75.3	75.5	75.5	75.6	75.7	75.9	76.8						
≥ 7000	46.0	66.5	70.6	73.4	76.3	76.9	77.8	78.7	79.1	79.5	79.7	79.7	79.8	80.0	80.1	81.0						
≥ 6000	47.6	68.6	72.9	75.8	78.8	79.5	80.5	81.4	81.8	82.2	82.4	82.5	82.5	82.7	82.8	83.7						
≥ 5000	49.6	71.2	75.6	78.8	82.0	82.7	83.8	84.7	85.1	85.5	85.8	85.8	85.9	86.1	86.2	87.1						
≥ 4500	50.4	72.5	77.4	80.6	83.8	84.4	85.6	86.5	86.9	87.4	87.6	87.6	87.8	87.9	88.0	88.9						
≥ 4000	51.3	74.0	79.0	82.3	85.6	86.3	87.5	88.5	88.9	89.4	89.6	89.6	89.7	89.9	90.0	90.9						
≥ 3500	51.5	74.5	79.5	82.9	86.2	86.9	88.2	89.2	89.6	90.0	90.3	90.3	90.4	90.6	90.7	91.6						
≥ 3000	51.9	75.2	80.4	83.9	87.2	87.9	89.3	90.3	90.7	91.2	91.4	91.5	91.6	91.8	91.9	92.8						
≥ 2500	52.2	75.8	81.2	85.0	88.5	89.3	90.8	91.9	92.4	92.9	93.1	93.2	93.3	93.4	93.5	94.4						
≥ 2400	52.4	76.3	81.9	85.9	89.6	90.4	92.0	93.3	93.8	94.3	94.5	94.6	94.7	94.9	95.0	95.9						
≥ 2300	52.5	76.4	82.1	86.1	89.8	90.7	92.4	93.8	94.3	94.8	95.1	95.1	95.2	95.4	95.5	96.4						
≥ 2200	52.6	76.5	82.3	86.5	90.1	91.2	93.0	94.4	94.9	95.5	95.8	95.8	95.9	96.1	96.2	97.1						
≥ 2100	52.6	76.6	82.4	86.7	90.6	91.5	93.5	95.1	95.6	96.2	96.5	96.5	96.7	96.9	97.0	97.9						
≥ 2000	52.6	76.7	82.5	86.9	90.9	91.9	93.8	95.6	96.2	96.8	97.1	97.1	97.3	97.5	97.6	98.5						
≥ 1900	52.6	76.7	82.5	87.0	91.2	92.1	94.1	96.0	96.6	97.3	97.6	97.7	97.8	98.0	98.1	99.0						
≥ 1800	52.6	76.7	82.5	87.0	91.2	92.1	94.2	96.1	96.7	97.4	97.7	97.7	97.9	98.1	98.2	99.1						
≥ 1700	52.6	76.7	82.5	87.0	91.3	92.2	94.2	96.1	96.8	97.5	97.8	97.8	98.0	98.2	98.4	99.3						
≥ 1600	52.6	76.7	82.5	87.0	91.3	92.2	94.2	96.2	96.8	97.5	97.9	98.0	98.2	98.5	98.6	99.6						
≥ 1500	52.6	76.7	82.5	87.0	91.3	92.2	94.2	96.2	96.8	97.5	97.9	98.0	98.2	98.5	98.6	99.9						
≥ 1400	52.6	76.7	82.5	87.0	91.3	92.2	94.2	96.2	96.8	97.5	97.9	98.0	98.2	98.5	98.7	100.0						

TOTAL NUMBER OF OBSERVATIONS 6555

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76,78,80 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-0200

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	1½	1¼	1	¾	½	¼	<¼	M	F
NO CEILING	8.8	33.3	37.6	42.0	45.1	47.4	49.9	52.6	53.1	55.1	56.5	56.5	56.9	58.0	58.3	60.3
≥ 20000	9.1	33.6	38.1	42.4	45.6	47.8	50.3	53.1	53.5	55.6	56.9	56.9	57.4	58.5	58.7	60.8
≥ 18000	9.1	33.6	38.1	42.4	45.6	47.8	50.3	53.1	53.5	55.6	56.9	56.9	57.4	58.5	58.7	60.8
≥ 16000	9.1	33.6	38.1	42.4	45.6	47.8	50.3	53.1	53.5	55.6	56.9	56.9	57.4	58.5	58.7	60.8
≥ 14000	9.8	34.2	38.8	43.1	46.3	48.5	51.0	53.7	54.2	56.2	57.6	57.6	58.0	59.2	59.4	61.5
≥ 12000	10.4	34.9	39.5	43.8	46.9	49.2	51.7	54.4	54.9	56.9	58.3	58.3	58.7	59.9	60.1	62.1
≥ 11000	10.4	35.4	39.9	44.2	47.4	49.9	52.4	55.1	55.6	57.6	59.2	59.2	59.6	60.8	61.0	63.0
≥ 9000	10.4	37.4	42.0	46.5	49.7	52.2	54.6	57.4	57.8	59.9	61.5	61.5	61.9	63.0	63.3	65.3
≥ 8000	11.3	39.5	44.0	49.2	52.6	55.1	58.0	60.8	61.2	63.3	64.9	64.9	65.3	66.4	66.7	68.7
≥ 7000	12.0	4 .2	47.8	53.7	57.1	59.9	62.8	65.5	66.0	68.0	69.8	69.8	70.3	71.4	71.7	73.7
≥ 6000	12.5	43.8	50.1	56.7	60.5	63.3	66.2	68.9	69.4	71.4	73.5	73.5	73.9	75.1	75.3	77.3
≥ 5000	12.7	44.7	51.2	58.0	62.4	65.1	68.5	71.2	71.7	73.7	75.7	75.7	76.2	77.3	77.6	79.6
≥ 4500	12.7	45.6	52.2	59.0	63.3	66.0	69.6	72.3	72.8	74.8	76.9	76.9	77.3	78.5	78.7	80.7
≥ 4000	13.2	46.9	53.5	60.5	65.1	67.8	71.7	74.4	74.8	76.9	78.9	78.9	79.4	80.5	80.7	82.8
≥ 3500	13.2	48.1	54.6	61.7	66.2	68.9	72.8	75.5	76.0	78.0	80.0	80.0	80.5	81.6	81.9	83.9
≥ 3000	13.4	49.2	55.8	62.8	67.6	70.3	74.6	77.3	78.0	80.0	82.1	82.1	82.5	83.7	83.9	85.9
≥ 2500	13.6	50.1	56.9	63.9	68.9	71.7	76.0	78.9	79.8	81.9	83.9	83.9	84.4	85.5	85.7	87.8
≥ 2000	13.6	51.7	59.0	66.0	71.0	73.7	78.0	81.0	81.9	83.9	85.9	85.9	86.6	87.8	88.0	90.0
≥ 1800	13.6	51.7	59.2	66.2	71.4	74.1	78.5	81.4	82.3	84.4	86.4	86.4	87.1	88.2	88.4	90.5
≥ 1500	14.1	53.3	60.8	68.0	73.2	76.0	80.3	83.4	84.4	86.4	88.4	88.4	89.1	90.2	90.5	92.5
≥ 1200	14.5	54.6	62.1	69.4	74.8	77.6	81.9	85.0	85.9	88.0	90.0	90.0	90.7	91.8	92.1	94.1
≥ 1000	15.2	55.8	63.5	70.7	76.6	79.6	83.9	87.1	88.0	90.0	92.1	92.1	92.7	93.9	94.1	96.1
≥ 900	15.4	56.2	63.9	71.2	77.1	80.0	84.4	87.5	88.4	90.5	92.5	92.5	93.2	94.3	94.6	96.6
≥ 800	15.4	56.7	64.6	71.9	77.8	80.7	85.0	88.2	89.1	91.2	93.2	93.2	93.9	95.0	95.2	97.3
≥ 700	15.6	56.9	64.9	72.1	78.0	81.0	85.5	88.7	89.6	91.6	93.7	93.7	94.3	95.5	95.7	97.7
≥ 600	15.6	56.9	64.9	72.3	78.2	81.2	85.7	88.9	89.8	91.8	93.9	93.9	94.6	95.7	95.9	98.0
≥ 500	15.6	57.4	65.3	72.8	78.7	82.3	86.8	90.0	90.9	93.0	95.0	95.0	95.7	96.8	97.1	99.3
≥ 400	15.6	57.4	65.3	72.8	78.7	82.3	86.8	90.0	90.9	93.2	95.2	95.2	95.9	97.1	97.3	99.5
≥ 300	15.6	57.4	65.3	72.8	78.7	82.3	87.1	90.2	91.2	93.4	95.5	95.5	96.1	97.3	97.5	99.8
≥ 200	15.6	57.4	65.3	72.8	78.7	82.3	87.1	90.2	91.2	93.4	95.5	95.5	96.1	97.3	97.5	100.0
≥ 100	15.6	57.4	65.3	72.8	78.7	82.3	87.1	90.2	91.2	93.4	95.5	95.5	96.1	97.3	97.5	100.0
≥ 0	15.6	57.4	65.3	72.8	78.7	82.3	87.1	90.2	91.2	93.4	95.5	95.5	96.1	97.3	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 441

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

1 7120 SEMBACH AB DL 64-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	12.3	26.3	29.0	32.4	35.1	36.8	42.0	44.2	44.7	46.4	47.6	47.9	48.9	50.1	50.6	54.8
≥ 20000	12.6	26.6	29.3	32.7	35.4	37.1	42.3	44.7	45.2	46.9	48.1	48.4	49.6	50.8	51.3	55.6
≥ 18000	12.6	26.6	29.3	32.7	35.4	37.1	42.3	44.7	45.2	46.9	48.1	48.4	49.6	50.8	51.3	55.6
≥ 16000	12.6	26.6	29.3	32.7	35.4	37.1	42.3	44.7	45.2	46.9	48.1	48.4	49.6	50.8	51.3	55.6
≥ 14000	12.6	27.2	29.8	33.2	35.9	37.6	42.8	45.2	45.7	47.4	48.6	48.9	50.1	51.3	51.8	56.2
≥ 12000	13.0	27.5	30.2	33.6	36.3	37.9	43.2	45.5	46.0	47.7	48.9	49.2	50.4	51.6	52.1	56.5
≥ 10000	13.5	28.5	31.2	34.6	37.6	39.3	44.5	46.9	47.4	49.1	50.3	50.6	51.8	53.0	53.5	57.8
≥ 9000	13.5	29.2	32.5	35.9	39.0	41.0	46.2	48.6	49.1	50.8	51.9	52.3	53.5	55.0	55.5	59.9
≥ 8000	15.9	32.0	35.4	39.0	42.3	44.4	49.9	52.4	53.0	54.6	55.8	56.2	57.3	58.9	59.4	63.7
≥ 7000	16.2	34.4	37.8	41.6	45.0	47.0	52.6	55.1	55.6	57.3	58.5	58.9	60.0	61.6	62.1	66.4
≥ 6000	16.2	35.2	38.8	42.8	46.4	48.4	54.1	56.7	57.2	58.9	60.0	60.4	61.6	63.2	63.7	68.1
≥ 5000	16.7	36.8	40.5	44.7	48.9	50.9	56.8	59.5	60.0	61.7	62.9	63.2	64.4	66.1	66.6	71.0
≥ 4500	17.9	39.1	42.8	47.0	51.3	53.3	59.4	62.1	62.6	64.2	65.4	65.8	66.9	68.6	69.1	73.5
≥ 4000	18.0	40.0	44.0	48.4	52.6	54.6	60.7	63.4	63.9	65.6	66.8	67.1	68.3	70.0	70.5	74.9
≥ 3500	18.2	40.6	44.9	49.7	54.0	56.0	62.4	65.1	65.6	67.3	68.5	68.8	70.0	71.7	72.2	76.6
≥ 3000	18.5	41.0	45.2	50.4	55.3	57.5	63.9	66.6	67.3	69.0	70.2	70.5	71.7	73.4	73.9	78.4
≥ 2500	18.9	41.7	45.9	51.1	56.3	58.5	64.9	67.6	68.3	70.0	71.2	71.5	72.7	74.5	75.0	79.6
≥ 2000	19.6	43.5	47.9	53.3	58.5	60.9	67.6	70.3	71.0	72.7	73.9	74.2	75.4	77.4	77.9	82.5
≥ 1800	19.6	43.7	48.4	54.0	59.4	61.7	68.5	71.2	71.8	73.5	74.7	75.0	76.2	78.2	78.8	83.3
≥ 1500	20.6	46.0	50.9	56.7	62.6	64.9	72.0	74.7	75.4	77.1	78.2	78.6	79.8	81.8	82.3	86.8
≥ 1400	20.6	47.0	52.3	58.2	64.9	67.3	74.5	77.6	78.2	79.9	81.1	81.5	82.6	84.7	85.2	89.7
≥ 1200	20.7	48.1	53.3	59.5	66.3	68.6	75.9	78.9	79.6	81.3	82.5	82.8	84.0	86.2	86.7	91.2
≥ 1000	20.9	48.4	53.6	60.4	67.3	69.8	77.2	80.3	80.9	82.6	83.8	84.1	85.3	87.5	88.0	92.6
≥ 900	21.1	48.7	54.0	60.7	67.8	70.5	77.9	80.9	81.6	83.3	84.5	84.8	86.0	88.2	88.7	93.3
≥ 800	21.1	49.1	54.3	61.2	68.5	71.3	78.8	81.8	82.5	84.1	85.3	85.7	86.8	89.0	89.5	94.1
≥ 700	21.1	49.2	54.5	61.4	69.0	71.8	79.3	82.3	83.1	84.8	86.0	86.5	87.7	89.9	90.4	94.9
≥ 600	21.2	49.6	54.8	61.7	69.3	72.2	79.8	83.0	83.8	85.5	86.7	87.2	88.4	90.6	91.1	95.6
≥ 500	21.2	49.6	54.8	61.7	69.3	72.2	79.9	83.1	84.0	85.7	86.8	87.4	88.5	90.7	91.2	95.8
≥ 400	21.2	49.6	54.8	61.7	69.3	72.2	80.3	83.5	84.3	86.0	87.2	87.7	88.9	91.1	91.6	96.1
≥ 300	21.2	49.6	54.8	61.7	69.3	72.2	80.4	84.1	85.2	87.4	88.5	89.0	90.2	92.4	92.9	98.5
≥ 200	21.2	49.6	54.8	61.7	69.3	72.2	80.4	84.3	85.3	87.5	88.7	89.4	90.6	92.7	93.3	99.3
≥ 100	21.2	49.6	54.8	61.7	69.3	72.2	80.4	84.5	85.5	87.7	89.0	89.7	90.9	93.1	93.6	100.0

TOTAL NUMBER OF OBSERVATIONS 593

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥	≥	≥	≥	≥	≥	≥	
NO CEILING	11.9	17.9	20.6	22.8	27.0	28.2	29.7	32.1	32.7	34.3	35.0	35.0	35.7	36.6	36.9	41.2
≥ 20000	13.6	19.7	22.7	24.9	29.6	30.9	32.4	34.8	35.4	37.0	37.7	37.8	38.5	39.5	39.7	44.1
≥ 18000	13.6	19.7	22.7	24.9	29.6	30.9	32.4	34.8	35.4	37.0	37.7	37.8	38.5	39.5	39.7	44.1
≥ 16000	13.6	19.7	22.7	24.9	29.6	30.9	32.4	34.8	35.4	37.0	37.7	37.8	38.5	39.5	39.7	44.1
≥ 14000	13.6	19.8	22.8	25.0	29.7	31.0	32.5	34.9	35.5	37.1	37.8	37.9	38.6	39.6	39.9	44.2
≥ 12000	13.6	19.9	23.0	25.3	30.1	31.3	32.8	35.3	35.8	37.6	38.2	38.4	39.1	40.1	40.3	44.7
≥ 10000	14.3	21.8	25.1	27.4	32.1	33.4	35.0	37.6	38.1	40.0	40.7	40.8	41.5	42.5	42.7	47.1
≥ 9000	14.9	22.5	25.9	28.3	33.4	34.7	36.6	39.3	39.9	41.7	42.4	42.5	43.2	44.4	44.8	49.2
≥ 8000	16.7	25.2	29.0	31.7	37.4	38.9	41.7	44.4	45.5	47.4	48.0	48.3	49.1	50.5	51.0	55.4
≥ 7000	17.4	27.1	31.0	34.0	40.0	41.5	44.2	46.9	48.2	50.0	50.7	50.9	51.7	53.1	53.7	58.2
≥ 6000	17.4	27.9	31.9	34.9	40.9	42.4	45.5	48.3	49.5	51.4	52.2	52.4	53.2	54.7	55.3	59.8
≥ 5000	18.5	29.6	33.8	37.0	43.4	44.9	48.2	51.2	52.4	54.3	55.2	55.4	56.2	57.8	58.4	63.0
≥ 4500	19.2	30.9	35.5	38.8	45.7	47.2	50.6	53.7	55.0	56.8	57.7	57.9	58.8	60.4	60.9	65.6
≥ 4000	20.0	31.8	36.8	40.1	47.5	49.0	53.0	56.1	57.4	59.2	60.1	60.4	61.2	62.8	63.4	68.0
≥ 3500	20.4	32.4	37.4	41.0	48.8	50.6	55.0	58.3	59.6	61.6	62.6	62.8	63.6	65.2	65.8	70.4
≥ 3000	21.7	33.9	39.3	43.2	51.5	53.2	57.6	61.1	62.3	64.4	65.3	65.6	66.4	68.0	68.5	73.3
≥ 2500	22.4	35.0	40.4	44.4	53.0	54.7	59.1	62.6	63.8	65.9	66.8	67.1	67.9	69.5	70.0	74.8
≥ 2000	22.9	36.3	41.9	46.1	55.1	56.8	61.4	65.0	66.2	68.4	69.4	69.6	70.4	72.1	72.7	77.5
≥ 1800	23.0	37.1	42.7	47.0	56.2	57.9	62.6	66.2	67.5	69.7	70.6	70.9	71.7	73.4	74.0	78.8
≥ 1500	25.2	40.8	46.4	50.9	60.6	62.4	67.3	71.0	72.2	74.5	75.5	75.7	76.5	78.3	78.9	83.9
≥ 1200	25.6	43.1	49.2	53.9	64.5	66.4	71.7	75.3	77.0	79.5	80.5	80.8	81.6	83.4	84.0	88.9
≥ 1000	25.6	43.3	49.5	54.3	65.3	67.2	72.5	76.2	77.9	80.4	81.5	81.7	82.5	84.4	85.0	90.0
≥ 900	25.6	43.3	49.5	54.4	65.4	67.3	72.6	76.6	78.3	81.0	82.0	82.3	83.1	85.0	85.6	90.6
≥ 800	25.7	43.4	49.9	54.7	66.0	68.0	73.4	77.4	79.1	81.9	82.9	83.2	84.0	85.9	86.5	91.5
≥ 700	25.8	43.5	50.0	54.8	66.4	68.4	74.2	78.2	80.0	82.7	83.9	84.1	84.9	86.9	87.4	92.4
≥ 600	25.8	43.7	50.1	55.1	66.7	68.9	75.0	79.0	80.8	83.5	84.7	84.9	85.7	87.7	88.2	93.2
≥ 500	25.8	43.7	50.2	55.2	66.9	69.2	75.5	79.7	81.5	84.2	85.4	85.6	86.4	88.5	89.3	94.6
≥ 400	25.8	43.7	50.2	55.2	66.9	69.2	75.5	79.8	81.6	84.4	85.6	85.8	86.6	88.7	89.5	94.8
≥ 300	25.8	43.7	50.2	55.2	66.9	69.2	75.5	79.8	81.6	84.6	85.7	85.9	86.8	89.2	90.0	95.7
≥ 200	25.8	43.7	50.2	55.2	66.9	69.2	75.5	79.8	81.6	84.7	85.8	86.1	86.9	89.4	90.3	97.2
≥ 100	25.8	43.7	50.2	55.2	66.9	69.2	75.5	79.8	81.6	84.8	86.1	86.3	87.2	89.7	90.9	98.8
≥ 0	25.8	43.7	50.2	55.2	66.9	69.2	75.5	79.8	81.6	84.9	86.2	86.5	87.4	90.1	91.2	100.0

TOTAL NUMBER OF OBSERVATIONS 868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS) 0900-1100

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0	≥0	≥0	≥0	≥0	
NO CEILING	19.1	29.7	32.7	35.5	39.5	40.1	41.0	41.8	42.0	42.4	42.4	42.4	42.4	42.5	42.5	42.8	
≥ 20000	22.0	32.7	35.9	38.8	42.9	43.6	44.4	45.2	45.4	45.9	45.9	46.0	46.1	46.2	46.2	46.5	
≥ 18000	22.2	32.9	36.2	39.1	43.2	43.9	44.7	45.5	45.7	46.2	46.2	46.3	46.4	46.5	46.5	46.9	
≥ 16000	22.2	32.9	36.2	39.1	43.2	43.9	44.7	45.5	45.7	46.2	46.2	46.3	46.4	46.5	46.5	46.9	
≥ 14000	22.3	33.0	36.3	39.4	43.7	44.3	45.1	45.9	46.1	46.6	46.6	46.7	46.9	47.0	47.0	47.3	
≥ 12000	22.9	34.2	37.5	40.6	44.6	45.5	46.3	47.2	47.4	47.9	47.9	48.0	48.1	48.2	48.2	48.5	
≥ 10000	23.9	35.5	38.9	42.0	46.5	47.3	48.1	48.9	49.1	49.6	49.6	49.7	49.9	50.1	50.1	50.4	
≥ 9000	24.8	36.4	40.0	43.2	47.8	48.6	49.4	50.3	50.5	51.0	51.0	51.1	51.3	51.4	51.4	51.7	
≥ 8000	26.0	38.6	42.3	45.7	50.6	51.4	52.4	53.4	53.6	54.1	54.1	54.2	54.4	54.5	54.5	54.8	
≥ 7000	26.9	40.7	44.4	47.8	52.7	53.6	54.7	55.7	55.9	56.4	56.4	56.7	56.9	57.0	57.0	57.3	
≥ 6000	27.8	41.9	45.6	49.2	54.3	55.2	56.3	57.5	57.8	58.3	58.3	58.5	58.7	58.8	58.8	59.1	
≥ 5000	29.8	44.5	48.4	52.1	57.7	58.7	60.1	61.2	61.6	62.2	62.3	62.6	62.8	63.0	63.0	63.3	
≥ 4500	30.3	45.3	49.5	53.3	58.8	59.9	61.2	62.3	62.7	63.4	63.5	63.8	64.0	64.1	64.1	64.4	
≥ 4000	32.5	47.8	52.2	56.2	61.9	63.0	64.4	65.5	65.9	66.7	66.8	67.1	67.3	67.4	67.4	67.7	
≥ 3500	34.2	49.8	54.5	59.1	65.1	66.2	67.9	69.2	69.8	70.5	70.6	70.9	71.1	71.2	71.2	71.5	
≥ 3000	36.1	52.2	56.9	61.5	67.9	68.9	70.8	72.1	72.7	73.4	73.5	73.8	74.0	74.1	74.1	74.4	
≥ 2500	38.3	55.3	60.1	64.8	71.5	72.5	74.5	75.9	76.4	77.1	77.2	77.5	77.7	77.8	77.8	78.1	
≥ 2000	39.6	58.8	64.1	69.3	76.3	77.3	79.6	81.0	81.5	82.2	82.4	82.7	82.9	83.0	83.0	83.3	
≥ 1800	39.7	59.6	64.9	70.2	77.1	78.1	80.4	81.8	82.4	83.1	83.2	83.5	83.7	83.8	83.8	84.1	
≥ 1600	41.4	63.7	69.0	74.4	81.8	82.9	85.1	86.6	87.1	87.8	87.9	88.2	88.4	88.5	88.5	88.9	
≥ 1400	41.9	65.4	71.2	76.7	84.1	85.4	87.9	89.4	89.9	90.7	90.8	91.1	91.3	91.4	91.4	91.7	
≥ 1200	42.1	65.8	72.1	77.7	85.2	86.8	89.4	90.9	91.5	92.4	92.5	92.8	93.0	93.1	93.1	93.4	
≥ 1000	42.1	65.9	72.2	77.9	85.6	87.1	89.8	91.5	92.3	93.1	93.2	93.5	93.7	93.8	93.8	94.1	
≥ 900	42.1	66.3	72.8	78.4	86.2	87.8	90.5	92.3	93.0	93.8	93.9	94.2	94.4	94.5	94.5	94.8	
≥ 800	42.1	66.3	72.9	78.5	86.3	88.0	91.0	92.9	93.6	94.4	94.5	94.8	95.0	95.1	95.1	95.5	
≥ 700	42.1	66.3	73.0	78.7	86.7	88.5	91.6	93.5	94.2	95.1	95.4	95.7	95.9	96.0	96.0	96.3	
≥ 600	42.1	66.3	73.0	78.8	87.0	88.9	92.0	94.0	94.8	95.9	96.1	96.4	96.6	96.7	96.7	97.1	
≥ 500	42.1	66.3	73.0	78.8	87.0	88.9	92.0	94.1	95.0	96.3	96.7	97.0	97.2	97.3	97.3	97.7	
≥ 400	42.1	66.3	73.0	78.8	87.0	88.9	92.0	94.4	95.4	97.0	97.5	97.9	98.2	98.5	98.6	99.4	
≥ 300	42.1	66.3	73.0	78.8	87.0	88.9	92.0	94.4	95.4	97.0	97.5	97.9	98.2	98.5	98.6	99.8	
≥ 200	42.1	66.3	73.0	78.8	87.0	88.9	92.0	94.4	95.4	97.0	97.5	97.9	98.2	98.5	98.6	100.0	
0	42.1	66.3	73.0	78.8	87.0	88.9	92.0	94.4	95.4	97.0	97.5	97.9	98.2	98.5	98.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 969

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING (FT)	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	26.7	37.3	40.2	41.7	42.8	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
20000	30.0	40.8	44.1	45.6	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
18000	30.5	41.3	44.5	46.0	47.2	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
17000	30.7	41.5	44.8	46.2	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
16000	31.0	42.0	45.5	46.9	48.1	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
15000	31.3	42.4	46.0	47.5	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
14000	32.8	44.4	48.3	50.0	51.3	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
13000	34.7	46.9	50.9	52.8	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
12000	36.9	49.3	53.4	55.3	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
11000	38.4	51.4	55.7	57.6	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
10000	39.8	53.7	57.9	60.0	61.7	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
9000	41.4	55.5	59.7	61.9	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
8000	43.1	57.6	62.0	64.3	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
7000	46.8	62.2	67.1	69.4	71.5	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
6000	50.3	66.7	71.9	74.7	77.1	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
5000	53.3	71.1	76.9	79.9	82.5	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
4500	56.9	75.1	81.2	84.5	87.6	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
4000	59.5	78.5	84.9	88.2	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0
3500	59.7	78.7	85.1	88.5	91.8	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4
3000	60.9	80.8	87.4	91.0	94.9	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7
2500	60.9	81.4	88.4	92.1	96.2	96.5	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
2200	60.9	81.5	88.5	92.3	96.4	96.7	97.4	97.4	97.4	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
2000	60.9	81.5	88.5	92.5	96.8	97.1	97.9	98.0	98.0	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3
1800	61.0	81.7	88.7	92.8	97.1	97.4	98.3	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
1700	61.0	81.8	88.8	92.9	97.2	97.5	98.5	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
1600	61.0	81.8	88.8	93.0	97.7	98.0	99.1	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
1500	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
1400	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
1300	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1200	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1100	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
1000	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
900	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
800	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
700	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
600	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
500	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
400	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
300	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
200	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
100	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	61.0	81.8	88.8	93.0	98.0	98.4	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 972

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1500-1700

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥									
NO CEILING	30.8	38.7	41.4	43.0	43.6	43.6	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	
≥ 20000	35.8	43.7	46.5	48.2	48.8	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	
≥ 18000	35.9	43.8	46.6	48.3	48.9	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	
≥ 16000	35.9	43.8	46.6	48.3	48.9	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	
≥ 14000	36.8	44.9	47.6	49.3	49.9	49.9	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	
≥ 12000	37.5	45.8	48.6	50.3	50.9	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
≥ 10000	39.4	48.2	51.2	53.0	53.6	53.6	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	
≥ 9000	41.3	50.5	53.6	55.6	56.5	56.6	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	
≥ 8000	44.8	55.1	58.7	60.9	61.8	61.9	62.0	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	
≥ 7000	47.6	58.9	62.5	64.9	65.8	65.9	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	
≥ 6000	50.2	63.1	67.1	69.6	70.6	70.7	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	
≥ 5000	52.5	65.9	70.1	72.7	73.7	73.8	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	
≥ 4500	55.4	69.4	73.9	76.6	77.7	77.8	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	
≥ 4000	57.7	72.7	77.8	80.4	81.6	81.7	81.8	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	
≥ 3500	61.7	76.3	81.9	84.6	85.9	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	
≥ 3000	63.1	79.0	84.6	87.4	88.9	89.0	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	
≥ 2500	65.1	81.3	87.0	89.7	91.2	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	
≥ 2000	66.2	83.0	88.7	91.8	93.4	93.5	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	
≥ 1800	66.6	83.4	89.3	92.6	94.4	94.6	94.7	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	
≥ 1500	67.0	84.1	90.0	93.5	95.7	96.0	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
≥ 1200	67.4	85.2	91.3	94.7	97.2	97.5	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
≥ 1000	67.6	85.7	91.9	95.7	98.1	98.4	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
900	67.6	85.7	92.0	95.8	98.3	98.6	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 800	67.6	85.7	92.0	95.8	98.4	98.7	99.2	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	
≥ 700	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
≥ 600	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
≥ 500	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
≥ 400	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	
≥ 300	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	
≥ 200	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	
≥ 100	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	
0	67.6	85.7	92.0	95.9	98.6	98.9	99.4	99.4	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 951

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DE 54-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS 1800-2000

		30.9	41.8	44.6	46.6	49.0	49.5	50.8	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4
		34.1	45.4	48.6	50.6	53.2	53.7	55.0	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
		34.1	45.4	48.6	50.6	53.2	53.7	55.0	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
		34.1	45.4	48.6	50.6	53.2	53.7	55.0	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.6
4		34.7	46.0	49.2	51.2	53.8	54.3	55.6	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2
3		35.6	47.2	50.5	52.6	55.3	55.8	57.1	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7
2	000	36.6	49.3	52.8	54.9	57.6	58.0	59.5	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1
2	900	37.8	51.2	54.8	57.2	60.2	60.8	62.5	62.9	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2
2	800	40.9	55.5	59.2	61.6	64.7	65.5	67.1	67.6	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9
2	700	44.6	60.6	64.5	66.9	70.1	70.9	72.7	73.1	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4
2	600	46.6	63.8	68.1	70.9	74.1	74.8	76.6	77.1	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
	5000	48.6	66.3	70.9	74.0	77.2	77.9	79.9	80.3	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6
2	4500	50.8	68.9	73.6	76.7	80.3	81.1	83.0	83.5	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7
2	4000	52.6	71.7	76.5	79.7	83.3	84.1	86.1	86.6	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8
	3500	53.8	73.9	79.1	82.6	86.2	86.9	89.2	89.7	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9
	3000	54.3	74.5	79.9	83.6	87.3	88.0	90.3	90.8	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0
	2500	55.4	75.9	81.4	85.3	89.7	90.4	92.7	93.4	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6
2	2200	55.8	76.6	82.4	86.6	91.0	91.8	94.1	94.8	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1
2	2000	55.8	76.7	82.5	86.9	91.4	92.2	94.5	95.3	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6
2	1800	55.9	77.1	83.0	87.4	91.8	92.7	95.0	95.8	95.9	96.0	96.0	96.0	96.2	96.2	96.2	96.2
	1600	56.1	77.8	83.7	88.4	93.0	93.9	96.3	97.2	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.6
	1400	56.2	77.9	84.1	88.7	93.8	94.7	97.1	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
	1200	56.4	78.5	84.8	89.4	94.5	95.4	97.8	98.8	98.9	99.0	99.0	99.0	99.2	99.2	99.2	99.2
2	1100	56.4	78.5	84.8	89.4	94.6	95.6	98.0	98.9	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3
	1000	56.5	78.7	84.9	89.7	95.0	95.9	98.3	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
2	900	56.5	78.7	84.9	89.8	95.1	96.0	98.4	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9
2	800	56.5	78.7	84.9	89.8	95.1	96.0	98.6	99.6	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
2	700	56.5	78.7	84.9	89.8	95.1	96.0	98.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	600	56.5	78.7	84.9	89.8	95.1	96.0	98.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2	500	56.5	78.7	84.9	89.8	95.1	96.0	98.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	0	56.5	78.7	84.9	89.8	95.1	96.0	98.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
2		56.5	78.7	84.9	89.8	95.1	96.0	98.6	99.6	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 834

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

	22.5	41.9	45.0	49.8	54.4	55.8	57.8	58.6	58.8	59.2	59.5	59.7	59.7	60.0	60.0	60.2
	23.6	43.3	46.6	51.6	56.1	57.5	59.5	60.3	60.5	60.9	61.3	61.4	61.4	61.7	61.7	61.9
	23.6	43.3	46.6	51.6	56.1	57.5	59.5	60.3	60.5	60.9	61.3	61.4	61.4	61.7	61.7	61.9
	23.6	43.3	46.6	51.6	56.1	57.5	59.5	60.3	60.5	60.9	61.3	61.4	61.4	61.7	61.7	61.9
	24.1	43.8	47.0	52.0	56.6	58.0	60.2	61.1	61.3	61.7	62.0	62.2	62.2	62.5	62.5	62.7
	24.8	44.8	48.1	53.1	57.7	59.1	61.4	62.3	62.5	63.0	63.3	63.4	63.4	63.8	63.8	63.9
	25.2	46.6	50.3	55.5	60.2	61.6	63.9	64.8	65.0	65.5	65.8	65.9	65.9	66.3	66.3	66.4
	26.1	48.1	52.2	57.3	62.2	63.6	65.9	66.9	67.0	67.5	67.8	68.0	68.0	68.3	68.3	68.4
	28.1	51.1	55.6	61.1	67.0	68.4	70.9	71.9	72.0	72.5	72.8	73.0	73.0	73.3	73.3	73.4
	29.4	54.1	58.6	64.4	70.5	71.9	74.7	75.6	75.8	76.4	76.7	76.9	76.9	77.2	77.2	77.3
	29.8	56.9	61.9	67.8	74.2	75.6	78.6	79.5	79.7	80.3	80.6	80.8	80.8	81.1	81.1	81.3
	30.8	58.6	63.6	70.0	76.9	78.3	81.3	82.2	82.3	83.0	83.3	83.4	83.4	83.8	83.8	83.9
	31.9	60.6	65.9	73.0	80.0	81.6	84.5	85.5	85.6	86.3	86.6	86.7	86.7	87.0	87.0	87.2
	32.2	62.3	67.7	74.7	82.0	83.6	86.6	87.5	87.7	88.3	88.6	88.8	88.8	89.1	89.1	89.2
	33.3	64.2	69.5	76.6	84.1	85.6	88.8	89.7	89.8	90.5	90.8	90.9	90.9	91.3	91.3	91.4
	33.6	65.3	70.8	78.0	85.5	87.0	90.2	91.1	91.3	91.9	92.2	92.3	92.3	92.7	92.7	92.8
	34.4	66.7	72.5	79.8	87.7	89.2	92.5	93.6	93.8	94.4	94.7	94.8	94.8	95.2	95.2	95.3
	34.5	66.9	72.7	80.2	88.0	89.5	92.8	93.9	94.1	94.7	95.0	95.2	95.2	95.5	95.5	95.6
	34.5	67.0	72.8	80.5	88.3	89.8	93.1	94.2	94.4	95.0	95.3	95.5	95.5	95.8	95.8	96.1
	34.7	67.5	73.3	80.9	88.8	90.3	93.6	94.8	95.0	95.6	95.9	96.1	96.1	96.4	96.4	96.7
	34.7	68.0	73.9	81.7	89.5	91.1	94.4	95.6	95.8	96.4	96.7	96.9	96.9	97.2	97.2	97.7
	34.7	68.1	74.2	82.2	90.0	91.6	94.8	96.1	96.3	96.9	97.2	97.3	97.3	97.7	97.7	98.1
	34.7	68.3	74.4	82.5	90.3	92.0	95.3	96.6	96.7	97.3	97.7	97.8	97.8	98.1	98.1	98.6
	34.7	68.3	74.4	82.5	90.3	92.0	95.3	96.6	96.7	97.3	97.7	97.8	97.8	98.1	98.1	98.6
	34.7	68.6	74.7	82.8	90.6	92.5	95.8	97.0	97.2	97.8	98.1	98.3	98.3	98.6	98.6	99.1
	34.7	68.6	74.7	82.8	90.6	92.5	95.9	97.2	97.3	98.0	98.3	98.4	98.4	98.8	98.8	99.2
	34.7	68.6	74.7	82.8	90.6	92.5	96.1	97.3	97.5	98.1	98.4	98.6	98.6	98.9	98.9	99.4
	34.7	68.6	74.7	82.8	90.6	92.5	96.6	97.8	98.0	98.6	98.9	99.1	99.1	99.4	99.4	99.8
	34.7	68.6	74.7	82.8	90.6	92.5	96.6	97.8	98.0	98.6	98.9	99.1	99.1	99.4	99.4	100.0
	34.7	68.6	74.7	82.8	90.6	92.5	96.6	97.8	98.0	98.6	98.9	99.1	99.1	99.4	99.4	100.0
	34.7	68.6	74.7	82.8	90.6	92.5	96.6	97.8	98.0	98.6	98.9	99.1	99.1	99.4	99.4	100.0
	34.7	68.6	74.7	82.8	90.6	92.5	96.6	97.8	98.0	98.6	98.9	99.1	99.1	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 640

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] SEMBACH AB DL 64-68,76-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

	21.6	33.4	36.4	38.9	41.7	42.5	43.9	44.9	45.1	45.8	46.1	46.2	46.4	46.6	46.9	48.1
	24.1	36.1	39.3	41.9	44.8	45.6	47.0	48.0	48.2	48.9	49.2	49.3	49.6	50.0	50.1	51.3
	24.3	36.2	39.4	42.0	44.9	45.7	47.1	48.1	48.4	49.0	49.4	49.4	49.7	50.1	50.2	51.4
	24.3	36.2	39.4	42.1	44.9	45.7	47.2	48.2	48.4	49.1	49.4	49.5	49.7	50.1	50.2	51.5
	24.7	36.7	39.9	42.6	45.5	46.3	47.8	48.8	49.0	49.7	50.0	50.1	50.4	50.7	50.8	52.1
	25.2	37.5	40.7	43.5	46.3	47.2	48.6	49.7	49.9	50.6	50.9	51.0	51.2	51.6	51.7	53.0
	26.2	39.2	42.7	45.4	48.4	49.3	50.8	51.8	52.1	52.7	53.1	53.2	53.5	53.8	53.9	55.2
	27.2	40.8	44.5	47.4	50.5	5 .5	53.0	54.1	54.3	55.0	55.4	55.5	55.7	56.2	56.3	57.5
	29.5	43.9	47.8	50.9	54.4	55.4	57.2	58.3	58.6	59.3	59.7	59.7	60.1	60.5	60.7	61.9
	31.1	46.7	50.8	54.1	57.7	58.7	60.5	61.7	62.0	62.7	63.1	63.2	63.5	64.0	64.1	65.3
	32.1	48.9	53.2	56.7	60.4	61.5	63.4	64.5	64.9	65.6	66.0	66.1	66.4	66.9	67.1	68.3
	33.6	51.0	55.4	59.1	63.2	64.2	66.3	67.5	67.8	68.6	69.0	69.1	69.4	69.9	70.1	71.3
	35.1	53.0	57.7	61.5	65.7	66.7	68.8	70.0	70.4	71.1	71.6	71.7	72.0	72.5	72.6	73.9
	36.7	55.5	60.4	64.3	68.6	69.7	71.9	73.1	73.5	74.3	74.7	74.8	75.1	75.6	75.8	77.0
	38.3	57.7	62.9	67.1	71.6	72.7	75.2	76.4	76.8	77.6	78.0	78.2	78.5	79.0	79.1	80.4
	39.8	59.7	65.0	69.4	74.2	75.4	77.8	79.1	79.5	80.3	80.7	80.9	81.2	81.7	81.8	83.1
	41.3	61.8	67.2	71.7	76.9	78.0	80.5	81.8	82.3	83.1	83.5	83.6	83.9	84.4	84.6	85.9
	42.3	63.7	69.4	74.1	79.4	80.5	83.1	84.5	85.0	85.8	86.2	86.3	86.7	87.2	87.4	88.7
	42.4	64.0	69.8	74.7	80.1	81.2	83.9	85.3	85.7	86.5	86.9	87.1	87.4	88.0	88.1	89.4
	43.4	66.0	71.9	76.9	82.6	83.8	86.6	88.0	88.5	89.3	89.7	89.9	90.2	90.8	90.9	92.2
	43.7	67.2	73.4	78.5	84.5	85.8	88.7	90.2	90.7	91.6	92.0	92.1	92.5	93.0	93.2	94.5
	43.8	67.6	73.9	79.2	85.4	86.7	89.6	91.2	91.7	92.6	93.0	93.2	93.5	94.1	94.2	95.6
	43.9	67.8	74.2	79.5	85.8	87.1	90.1	91.8	92.3	93.2	93.7	93.8	94.1	94.7	94.9	96.2
	43.9	67.9	74.4	79.8	86.2	87.5	90.6	92.2	92.7	93.6	94.1	94.2	94.6	95.2	95.3	96.7
	44.0	68.1	74.5	79.9	86.4	87.9	91.0	92.7	93.2	94.1	94.6	94.7	95.1	95.7	95.8	97.2
	44.0	68.1	74.6	80.1	86.7	88.2	91.4	93.1	93.7	94.6	95.1	95.2	95.5	96.2	96.3	97.7
	44.0	68.2	74.7	80.2	86.9	88.4	91.7	93.5	94.1	95.0	95.5	95.6	96.0	96.6	96.8	98.2
	44.0	68.2	74.7	80.2	86.9	88.4	91.8	93.6	94.2	95.2	95.7	95.9	96.2	96.8	97.0	98.5
	44.0	68.2	74.7	80.2	86.9	88.4	91.8	93.7	94.3	95.4	95.9	96.1	96.5	97.2	97.4	98.9
	44.0	68.2	74.7	80.2	86.9	88.4	91.9	93.7	94.4	95.5	96.1	96.3	96.6	97.3	97.5	99.4
	44.0	68.2	74.7	80.2	86.9	88.4	91.9	93.8	94.4	95.5	96.1	96.3	96.7	97.4	97.6	99.8
	44.0	68.2	74.7	80.2	86.9	88.4	91.9	93.8	94.4	95.6	96.2	96.4	96.8	97.5	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6268

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-67,81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-0200

	10.6	22.3	26.4	28.2	34.2	37.6	39.9	42.0	43.5	45.6	45.9	46.1	47.2	48.4	48.4	49.7	
	10.9	22.5	26.7	28.5	34.5	37.8	40.2	42.2	43.8	45.9	46.1	46.4	47.4	48.7	48.7	50.0	
	10.9	22.5	26.7	28.5	34.5	37.8	40.2	42.2	43.8	45.9	46.1	46.4	47.4	48.7	48.7	50.0	
	10.9	22.5	26.7	28.5	34.5	37.8	40.2	42.2	43.8	45.9	46.1	46.4	47.4	48.7	48.7	50.0	
	11.1	23.1	27.2	29.0	35.0	38.3	40.7	42.7	44.3	46.4	46.6	46.9	47.9	49.2	49.2	50.5	
	11.7	23.6	27.7	29.5	35.5	38.9	41.2	43.3	44.8	46.9	47.2	47.4	49.0	50.3	50.3	51.6	
	11.9	24.1	28.8	30.6	36.5	40.2	42.5	44.6	46.1	48.4	48.7	49.0	50.5	51.8	51.8	53.1	
	11.9	24.1	28.8	30.6	36.5	40.2	42.5	44.6	46.1	48.4	48.7	49.0	50.5	51.8	51.8	53.1	
	11.9	25.6	30.3	32.4	38.3	42.0	44.3	46.4	48.2	50.5	50.8	51.0	52.6	53.9	53.9	55.2	
	13.2	29.3	34.2	36.3	42.5	46.1	48.7	50.8	52.6	54.9	55.2	55.4	57.0	58.3	58.3	59.6	
	14.5	32.9	37.8	41.2	47.4	51.0	54.4	56.7	58.5	60.9	61.1	61.4	63.0	64.2	64.2	65.5	
	15.0	34.5	39.4	42.7	49.2	52.8	56.5	58.8	60.6	63.0	63.2	63.5	65.0	66.3	66.3	67.6	
	15.5	35.8	40.7	44.3	50.8	54.4	58.0	60.4	62.2	64.5	64.8	65.0	66.6	67.9	67.9	69.2	
	16.1	37.6	43.1	46.9	53.4	57.0	60.6	63.0	64.8	67.1	67.4	67.6	69.2	70.5	70.5	71.8	
	17.1	38.9	44.8	48.7	55.2	58.8	62.4	64.8	66.6	68.9	69.2	69.4	71.0	72.3	72.3	73.6	
	17.4	39.9	46.1	50.0	56.7	60.4	64.0	66.3	68.1	70.5	70.7	71.0	72.5	73.8	73.8	75.1	
	17.4	41.5	47.7	52.3	59.3	63.5	67.1	69.4	71.2	73.6	73.8	74.1	75.6	77.2	77.2	78.5	
	17.4	41.7	47.9	53.1	60.4	65.0	68.7	71.0	72.8	75.4	76.2	76.4	78.0	79.5	79.5	80.8	
	17.4	42.2	48.4	54.1	61.4	67.1	70.7	73.3	75.1	77.7	78.5	78.8	80.3	81.9	81.9	83.2	
	17.4	43.0	49.2	55.2	62.4	68.1	71.8	74.4	76.2	79.0	79.8	80.1	82.1	83.7	83.7	85.0	
	17.4	43.5	49.7	56.2	63.5	69.2	73.1	75.6	77.5	80.6	81.3	81.6	83.7	85.2	85.2	86.5	
	17.4	44.0	50.5	57.0	64.2	70.2	74.4	76.9	78.8	81.9	82.6	82.9	85.0	86.5	86.5	87.8	
	17.4	44.0	50.5	57.3	65.0	71.0	75.1	78.0	79.8	82.9	83.7	83.9	86.0	87.6	87.6	88.9	
	17.4	44.0	50.8	57.5	65.5	71.5	75.9	78.8	80.6	83.7	84.5	84.7	86.8	88.3	88.3	89.6	
	17.4	44.0	51.3	58.3	66.6	72.8	77.2	80.1	81.9	85.0	85.8	86.0	88.1	89.6	89.6	90.9	
	17.4	44.0	51.3	58.3	66.6	72.8	77.2	80.1	81.9	85.0	85.8	86.0	88.1	89.6	89.6	90.9	
	17.4	44.3	51.8	58.8	67.6	73.8	78.5	81.3	83.2	86.3	87.0	87.3	89.4	90.9	90.9	92.2	
	17.4	44.3	51.8	58.8	67.9	74.4	79.0	81.9	84.2	87.3	88.1	88.3	90.4	92.0	92.0	93.3	
	17.4	44.3	51.8	58.8	67.9	74.6	79.5	82.9	85.2	88.6	89.6	89.9	92.2	93.8	93.8	95.1	
	17.4	44.3	51.8	58.8	67.9	74.6	79.5	82.9	85.2	88.6	89.9	90.2	92.5	94.6	94.6	98.4	
	17.4	44.3	51.8	58.8	67.9	74.6	79.5	82.9	85.2	88.6	89.9	90.2	92.5	94.6	94.6	99.7	
	17.4	44.3	51.8	58.8	67.9	74.6	79.5	82.9	85.2	88.6	89.9	90.2	92.5	94.6	94.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 386

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3 7120 SEMBACH AB DL 64-67,76-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

CEILING (FEET)	2½	2	1½	1¼	1	¾	½	⅜	¼	⅛	0					
10000	10.4	17.7	20.9	23.7	28.7	30.7	32.1	34.1	35.5	37.6	38.6	39.0	39.2	41.4	41.6	44.8
9000	11.0	18.3	21.5	24.3	29.5	31.5	33.1	35.1	36.5	38.6	39.6	40.0	40.2	42.4	42.6	45.8
8000	11.0	18.3	21.5	24.3	29.5	31.5	33.1	35.1	36.5	38.6	39.6	40.0	40.2	42.4	42.6	45.8
7000	11.0	18.3	21.5	24.3	29.5	31.5	33.1	35.1	36.5	38.6	39.6	40.0	40.2	42.4	42.6	45.8
6000	11.0	18.3	21.5	24.3	29.5	31.5	33.1	35.1	36.5	38.6	39.6	40.0	40.2	42.4	42.6	45.8
5000	11.0	18.3	21.5	24.3	29.5	31.5	33.1	35.1	36.7	38.8	39.8	40.2	40.4	42.6	42.8	46.0
4500	11.2	18.7	21.9	24.9	30.3	32.3	33.9	35.9	37.5	39.6	40.6	41.0	41.2	43.4	43.6	46.8
4000	11.2	18.7	21.9	24.9	30.3	32.3	33.9	35.9	37.5	39.6	40.6	41.0	41.2	43.4	43.6	46.8
3500	11.4	19.5	22.7	25.7	31.1	33.1	34.7	36.7	38.2	40.4	41.4	41.8	42.0	44.2	44.4	47.6
3000	11.8	21.7	24.9	28.1	33.7	36.3	38.2	40.4	42.0	44.2	45.2	45.6	45.8	48.0	48.2	51.4
2500	12.2	23.5	26.7	30.1	35.7	38.4	40.6	42.8	44.4	46.6	47.6	48.0	48.2	50.4	50.6	53.8
2000	12.7	24.3	27.5	30.9	36.7	39.4	42.0	44.4	46.0	48.2	49.4	49.8	50.0	52.2	52.4	55.6
1800	13.1	25.1	28.5	31.9	37.6	40.4	43.2	45.6	47.2	49.4	50.6	51.0	51.2	53.4	53.6	56.8
1500	14.5	27.1	30.5	33.9	39.6	42.4	45.2	47.6	49.4	51.6	52.8	53.2	53.4	55.6	55.8	59.0
1200	15.7	29.9	33.3	36.7	42.4	45.2	48.0	50.4	52.2	54.6	55.8	56.2	56.4	58.6	58.8	62.0
1000	16.3	31.1	35.1	38.4	44.6	47.4	50.6	53.0	54.8	57.2	58.4	58.8	59.0	61.2	61.4	64.5
900	16.7	31.7	35.9	39.2	45.4	48.4	51.6	54.0	55.8	58.2	59.4	59.8	60.0	62.2	62.4	65.5
800	18.3	34.9	39.0	43.6	50.2	53.8	58.0	60.4	62.7	65.1	66.3	66.7	66.9	69.1	69.3	72.5
700	18.7	35.3	39.4	44.4	51.2	54.8	59.0	61.4	63.7	66.1	67.3	67.7	67.9	70.7	70.9	74.1
600	19.1	35.9	40.0	45.0	52.0	55.6	60.0	62.5	64.9	67.3	68.5	68.9	69.1	71.9	72.1	75.3
500	19.5	37.6	42.8	48.4	56.8	60.8	65.3	67.9	70.3	72.9	74.1	74.5	74.9	77.7	77.9	81.1
400	19.7	38.8	44.2	50.2	58.6	62.5	67.5	70.1	72.5	75.1	76.5	76.9	77.3	80.1	80.3	83.5
300	19.7	38.8	44.4	50.4	59.0	62.9	67.9	70.5	72.9	75.5	76.9	77.3	77.7	80.5	80.7	83.9
200	19.7	39.4	45.0	51.0	60.2	64.1	69.1	71.7	74.1	76.7	78.3	78.7	79.1	81.9	82.1	85.3
100	19.9	39.6	45.4	51.4	60.8	64.7	69.9	72.5	74.9	77.5	79.1	79.5	79.9	82.7	82.9	86.1
50	19.9	39.6	45.4	51.6	61.0	64.9	70.1	72.9	75.3	77.9	79.5	79.9	80.3	83.1	83.3	86.5
0	20.1	39.8	45.6	51.8	61.4	65.3	70.9	74.3	76.7	79.3	80.9	81.3	81.7	84.5	84.7	87.8
M	20.1	39.8	45.8	52.0	61.6	65.7	71.5	74.9	77.3	79.9	81.5	82.1	82.5	85.3	85.5	88.6
	20.1	39.8	45.8	52.0	61.8	66.1	72.5	75.9	78.3	80.9	82.9	83.5	84.3	87.3	87.5	91.2
	20.1	39.8	45.8	52.0	61.8	66.1	72.5	75.9	78.7	81.3	83.7	84.7	85.9	89.2	89.4	95.8
	20.1	39.8	45.8	52.0	61.8	66.1	72.5	76.1	78.9	81.5	84.1	85.1	86.3	90.0	90.2	99.6
	20.1	39.8	45.8	52.0	61.8	66.1	72.5	76.1	78.9	81.5	84.1	85.1	86.3	90.0	90.2	100.0

TOTAL NUMBER OF OBSERVATIONS 502

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12120 SEMBACH AB DL 64-67,76-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	10	≥5	4	≥3	2½	2	1½	1¼	1	¾	½	¼	0		
NO CEILING	8.9	13.1	15.1	15.9	18.5	19.9	20.8	22.0	22.7	24.4	25.2	25.5	25.9	27.0	27.6	30.4
≥ 20000	9.2	13.4	15.4	16.3	18.9	20.3	21.4	22.6	23.2	25.0	25.8	26.2	26.6	27.8	28.7	31.6
≥ 18000	9.2	13.4	15.4	16.3	18.9	20.3	21.4	22.6	23.2	25.0	25.8	26.2	26.6	27.8	28.7	31.6
≥ 16000	9.3	13.5	15.5	16.5	19.0	20.5	21.5	22.7	23.4	25.1	25.9	26.3	26.7	27.9	28.8	31.7
≥ 14000	9.4	13.7	15.7	16.6	19.1	20.6	21.6	22.8	23.5	25.2	26.0	26.4	26.8	28.0	29.0	31.9
≥ 12000	10.2	14.5	16.6	17.5	20.2	21.6	22.7	23.9	24.6	26.6	27.4	27.8	28.3	29.5	30.4	33.3
≥ 11000	11.0	15.3	17.4	18.5	21.1	22.6	23.8	25.1	26.2	28.3	29.1	29.5	30.0	31.2	32.1	35.2
≥ 10000	11.6	15.8	17.9	19.0	21.6	23.1	24.4	25.8	26.8	29.1	29.9	30.3	30.8	32.0	32.9	36.0
≥ 9000	12.9	17.4	19.9	21.2	23.9	25.4	27.0	28.3	29.3	31.9	32.8	33.2	33.7	35.3	36.3	39.6
≥ 8000	13.4	18.6	21.1	22.8	25.5	27.2	29.0	30.3	31.3	33.9	34.8	35.2	35.7	37.3	38.2	41.6
≥ 7000	13.7	19.9	22.6	24.3	27.0	28.8	30.5	31.9	32.9	35.5	36.4	36.8	37.3	38.9	39.8	43.2
≥ 6000	13.7	20.1	22.7	24.7	27.4	29.3	31.2	32.7	33.7	36.3	37.2	37.7	38.2	39.8	40.8	44.2
≥ 5000	14.5	21.0	23.8	25.9	28.7	30.7	32.7	34.1	35.2	37.8	38.8	39.3	39.8	41.4	42.4	45.8
≥ 4500	15.8	22.8	26.2	28.4	31.3	33.5	35.6	37.2	38.2	40.9	42.0	42.5	43.0	44.6	45.6	49.0
≥ 4000	17.0	25.1	28.6	31.2	34.4	36.5	38.6	40.2	41.3	44.0	45.0	45.6	46.1	47.7	48.6	52.1
≥ 3500	19.1	27.4	30.9	33.7	37.7	40.0	42.5	44.2	45.3	48.1	49.1	49.8	50.3	51.9	52.9	56.3
≥ 3000	20.7	29.5	33.1	36.0	40.1	42.4	45.0	46.7	47.8	50.6	51.7	52.3	52.9	54.4	55.4	59.0
≥ 2500	22.3	32.7	36.8	40.8	45.6	47.8	50.9	52.9	54.2	57.0	58.0	58.7	59.2	61.0	61.9	65.6
≥ 2000	22.8	33.3	37.5	41.4	46.5	48.7	51.8	53.8	55.1	57.9	59.0	59.6	60.2	61.9	62.8	66.5
≥ 1800	23.9	34.8	38.9	43.0	48.5	50.7	54.3	56.8	58.2	61.1	62.3	62.9	63.6	65.3	66.3	70.0
≥ 1600	24.6	36.4	40.9	45.4	51.7	53.9	58.0	60.7	62.0	65.1	66.4	67.1	67.7	69.5	70.7	74.4
≥ 1400	24.8	38.0	42.9	47.5	53.9	56.3	60.7	63.3	64.7	67.7	69.1	69.7	70.4	72.1	73.4	77.2
≥ 1200	24.8	38.0	42.9	47.8	54.8	57.4	61.8	64.4	65.9	68.9	70.3	70.9	71.6	73.3	74.6	78.4
≥ 1000	24.8	38.6	43.8	48.9	56.0	58.7	63.1	65.7	67.2	70.3	71.6	72.2	73.2	74.9	76.4	80.1
≥ 900	24.8	38.8	44.0	49.1	56.7	59.5	64.3	66.9	68.4	71.4	72.8	73.4	74.4	76.1	77.7	81.4
≥ 800	24.8	38.8	44.0	49.1	57.0	59.8	64.5	67.3	68.8	72.1	73.4	74.1	75.0	76.8	78.4	82.1
≥ 700	24.8	38.9	44.2	49.5	57.4	60.2	64.9	67.9	69.6	72.9	74.2	75.2	76.1	77.8	79.5	83.3
≥ 600	24.8	38.9	44.2	49.5	57.4	60.6	65.6	68.9	71.0	74.5	75.8	76.8	78.1	80.3	82.3	86.3
≥ 500	24.8	38.9	44.4	49.7	57.9	61.0	66.4	69.7	72.0	75.4	77.2	78.5	80.2	82.6	84.9	89.6
≥ 400	24.8	38.9	44.4	49.7	57.9	61.0	66.9	70.3	72.5	76.2	78.4	79.8	81.8	85.1	87.6	96.1
≥ 300	24.8	38.9	44.4	49.7	57.9	61.0	67.1	70.4	72.6	76.4	78.5	80.1	82.1	85.4	88.0	99.3
≥ 200	24.8	38.9	44.4	49.7	57.9	61.0	67.1	70.4	72.6	76.4	78.5	80.1	82.1	85.4	88.0	100.0

TOTAL NUMBER OF OBSERVATIONS 753

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7129 SEMBACH AB DL 64-67,76-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

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
NO CEILING	12.7	17.2	18.1	21.6	24.4	25.2	26.4	27.4	27.9	28.0	28.1	28.1	28.2	28.8	29.1	29.9
≥ 20000	14.1	18.8	19.9	23.5	26.2	27.1	28.6	29.8	30.3	30.5	30.6	30.6	30.7	31.2	31.6	32.6
≥ 18000	14.2	18.9	20.2	23.7	26.5	27.4	28.8	30.0	30.6	30.7	30.8	30.8	30.9	31.5	31.8	32.8
≥ 16000	14.4	19.2	20.4	23.9	26.7	27.6	29.0	30.2	30.8	30.9	31.0	31.0	31.1	31.7	32.0	33.0
≥ 14000	14.7	19.7	20.9	24.5	27.2	28.1	29.6	30.8	31.3	31.5	31.6	31.6	31.7	32.2	32.6	33.6
≥ 12000	15.3	20.3	21.5	25.0	27.8	28.8	30.3	31.6	32.1	32.2	32.3	32.3	32.4	33.0	33.3	34.3
≥ 10000	15.6	20.6	21.9	25.5	28.3	29.5	31.1	32.3	32.9	33.0	33.1	33.1	33.2	33.8	34.1	35.2
≥ 9000	15.8	21.0	22.5	26.1	29.1	30.3	32.1	33.3	33.9	34.2	34.4	34.4	34.6	35.1	35.4	36.5
≥ 8000	17.3	23.0	24.5	28.5	32.1	33.3	35.3	36.7	37.3	37.8	38.0	38.0	38.1	38.6	39.0	40.1
≥ 7000	18.3	24.6	26.0	30.0	33.9	35.1	37.2	38.6	39.3	39.8	40.0	40.0	40.1	40.6	41.0	42.1
≥ 6000	18.8	25.5	27.0	31.0	34.9	36.1	38.2	39.6	40.3	40.8	41.0	41.0	41.1	41.6	42.0	43.1
≥ 5000	19.5	26.4	27.9	32.0	36.0	37.2	39.3	40.8	41.4	41.9	42.1	42.1	42.2	42.7	43.3	44.5
≥ 4500	20.7	27.8	29.5	33.6	37.9	39.1	41.2	42.6	43.3	43.7	44.0	44.0	44.1	44.6	45.2	46.4
≥ 4000	22.5	30.1	32.3	36.9	41.4	42.6	44.7	46.3	47.0	47.5	47.7	47.7	47.8	48.4	48.9	50.2
≥ 3500	23.3	31.3	33.7	38.6	43.4	44.7	47.1	48.6	49.4	49.9	50.2	50.2	50.3	50.8	51.4	52.6
≥ 3000	24.4	32.9	35.5	41.1	46.1	47.4	49.8	51.5	52.6	53.2	53.4	53.4	53.5	54.0	54.6	55.8
≥ 2500	26.9	35.8	38.6	44.4	49.7	51.2	53.7	55.4	56.5	57.3	57.6	57.6	57.7	58.3	58.9	60.1
≥ 2000	29.1	39.0	42.2	49.1	54.9	56.6	59.2	60.9	62.1	62.9	63.2	63.2	63.3	63.9	64.6	65.8
≥ 1800	29.2	40.0	43.7	50.6	56.5	58.3	60.9	62.8	64.0	64.8	65.1	65.1	65.2	65.8	66.4	67.7
≥ 1500	30.9	43.5	48.0	55.1	61.6	63.6	66.4	68.4	69.8	70.5	70.9	70.9	71.0	71.5	72.2	73.4
≥ 1200	31.9	45.2	50.1	57.8	64.6	67.0	70.1	72.3	73.6	74.4	74.8	74.8	74.9	75.5	76.2	77.4
≥ 1000	32.7	46.3	51.2	59.0	66.2	68.7	72.0	74.2	75.6	76.4	76.9	76.9	77.0	77.6	78.3	79.5
≥ 900	33.0	47.0	51.9	60.2	67.8	70.3	73.6	76.0	77.4	78.3	78.8	79.0	79.1	79.7	80.4	81.6
≥ 800	33.2	47.2	52.2	60.8	69.1	71.9	75.5	78.1	79.6	80.5	81.1	81.2	81.3	81.9	82.6	83.8
≥ 700	33.3	47.4	52.4	61.2	69.8	72.6	76.4	79.5	81.2	82.1	82.7	82.8	82.9	83.6	84.3	85.5
≥ 600	33.4	47.7	52.7	61.6	70.3	73.3	77.1	80.4	82.1	82.9	83.7	83.8	83.9	84.6	85.3	86.5
≥ 500	33.4	47.7	52.7	61.7	70.5	73.5	77.4	81.4	83.2	84.4	85.2	85.3	85.6	86.3	87.0	88.3
≥ 400	33.4	47.7	52.8	61.8	70.8	73.9	78.7	82.9	84.8	86.3	87.4	87.6	87.9	88.8	89.6	91.0
≥ 300	33.4	47.7	52.8	61.8	70.9	74.0	79.3	83.5	85.5	86.9	88.6	89.0	89.7	91.4	92.8	95.6
≥ 200	33.4	47.7	52.8	61.8	70.9	74.0	79.4	83.6	85.6	87.0	88.8	89.3	90.3	92.8	94.9	99.3
≥ 100	33.4	47.7	52.8	61.8	70.9	74.0	79.4	83.6	85.6	87.0	88.8	89.3	90.3	92.9	95.0	100.0
0	33.4	47.7	52.8	61.8	70.9	74.0	79.4	83.6	85.6	87.0	88.8	89.3	90.3	92.9	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7123 SEMBACH AB DL 64-67,76-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING (FEET)	10	9	8	7	6	5	4	3	2	1	1/2	1/4	1/8	1/16	0
≥ 22000	17.7	23.7	27.0	29.6	31.0	31.2	31.3	31.5	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.6
≥ 20000	21.2	27.5	30.8	33.3	35.1	35.3	35.5	35.7	35.7	35.8	35.8	35.8	35.8	35.9	35.9	35.9
≥ 18000	21.6	28.0	31.3	33.9	35.7	35.9	36.1	36.2	36.2	36.3	36.3	36.3	36.3	36.4	36.4	36.4
≥ 17000	21.7	28.1	31.5	34.0	35.8	36.0	36.2	36.3	36.3	36.4	36.4	36.4	36.4	36.5	36.5	36.5
≥ 16000	21.9	28.4	31.7	34.2	36.0	36.2	36.4	36.5	36.5	36.6	36.6	36.6	36.6	36.8	36.8	36.8
≥ 15000	22.3	28.8	32.2	34.8	36.5	36.9	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.4	37.4	37.4
≥ 14000	23.3	29.8	33.3	36.2	38.0	38.3	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.9	38.9	38.9
≥ 13000	24.1	30.7	34.2	37.2	39.0	39.3	39.5	39.6	39.6	39.7	39.7	39.7	39.7	39.8	39.8	39.8
≥ 12000	25.7	33.2	37.1	40.3	42.4	42.8	43.2	43.3	43.3	43.5	43.5	43.5	43.5	43.6	43.6	43.6
≥ 11000	26.3	34.8	38.6	41.8	43.9	44.4	44.7	44.8	44.8	45.0	45.0	45.0	45.0	45.1	45.1	45.1
≥ 10000	26.7	35.5	39.5	42.8	44.9	45.4	45.7	45.8	45.8	46.0	46.0	46.0	46.0	46.1	46.1	46.1
≥ 9000	27.9	37.3	41.4	44.7	46.9	47.4	47.7	47.9	47.9	48.1	48.1	48.1	48.1	48.2	48.2	48.2
≥ 8000	29.5	38.9	42.9	46.4	48.6	49.0	49.3	49.6	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9
≥ 7000	31.0	41.5	45.7	49.6	52.1	52.5	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.4	53.4	53.4
≥ 6000	33.3	44.8	49.2	53.2	55.8	56.3	56.8	57.1	57.1	57.3	57.3	57.3	57.3	57.4	57.4	57.4
≥ 5000	36.2	48.3	53.2	57.6	61.0	61.5	62.3	62.6	62.7	63.0	63.0	63.0	63.0	63.1	63.1	63.1
≥ 4500	39.3	53.0	58.3	63.0	66.7	67.1	67.9	68.2	68.3	68.7	68.8	68.8	68.8	68.9	68.9	68.9
≥ 4000	40.9	56.3	62.4	67.5	71.9	72.4	73.2	73.5	73.6	74.0	74.1	74.1	74.1	74.2	74.2	74.2
≥ 3500	41.1	57.1	63.1	68.5	73.1	73.6	74.4	74.7	74.8	75.2	75.3	75.3	75.3	75.4	75.4	75.4
≥ 3000	43.2	60.6	67.0	73.1	78.1	78.7	79.6	80.1	80.2	80.7	80.8	80.8	80.8	80.9	80.9	80.9
≥ 2500	44.0	61.7	68.5	75.2	81.1	82.0	82.9	83.7	83.8	84.2	84.3	84.3	84.3	84.4	84.4	84.4
≥ 2000	44.5	62.5	69.4	76.6	83.1	84.0	85.1	86.1	86.2	86.6	86.8	86.8	86.8	86.9	86.9	86.9
≥ 1800	44.6	62.7	69.6	77.6	84.5	85.7	86.8	87.7	87.9	88.6	88.7	88.7	88.7	88.9	88.9	88.9
≥ 1500	44.9	63.2	70.3	78.5	86.1	87.3	88.5	89.6	89.7	90.5	90.7	90.7	90.7	90.8	90.8	90.8
≥ 1200	45.0	63.4	70.4	78.6	87.0	88.2	89.4	90.7	90.8	91.7	91.9	91.9	91.9	92.1	92.1	92.1
≥ 1000	45.3	63.6	70.8	79.1	87.7	89.2	90.4	91.7	91.9	92.8	93.0	93.0	93.0	93.2	93.2	93.2
≥ 900	45.3	63.6	70.8	79.1	88.1	89.6	91.2	93.0	93.4	94.4	94.7	94.8	94.8	94.9	94.9	94.9
≥ 800	45.3	63.6	70.9	79.2	88.3	89.8	91.7	93.7	94.2	95.5	96.1	96.2	96.2	96.5	96.5	96.5
≥ 700	45.3	63.6	70.9	79.2	88.3	89.8	92.1	94.0	94.5	96.1	97.2	97.5	97.9	98.5	98.6	98.8
≥ 600	45.3	63.6	70.9	79.2	88.3	89.8	92.2	94.2	94.6	96.2	97.4	97.8	98.6	99.2	99.6	100.0
≥ 500	45.3	63.6	70.9	79.2	88.3	89.8	92.2	94.2	94.6	96.2	97.4	97.8	98.6	99.2	99.6	100.0
≥ 400	45.3	63.6	70.9	79.2	88.3	89.8	92.2	94.2	94.6	96.2	97.4	97.8	98.6	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7122 SEMBACH AB DL 64-67,76-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING (FEET)	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	21.2	27.2	30.7	32.6	35.3	35.5	35.8	36.3	36.3	36.4	36.4	36.4	36.4
≥ 20000	24.8	31.6	35.2	37.4	40.2	40.5	40.9	41.6	41.7	41.8	41.8	41.8	41.8
≥ 18000	25.1	31.8	35.4	37.6	40.4	40.7	41.2	41.8	41.9	42.1	42.1	42.1	42.1
≥ 16000	25.2	31.9	35.5	37.7	40.5	40.8	41.3	41.9	42.1	42.2	42.2	42.2	42.2
≥ 14000	25.3	32.0	35.8	38.0	40.7	41.1	41.5	42.2	42.3	42.4	42.4	42.4	42.4
≥ 12000	26.3	33.1	37.0	39.2	41.9	42.3	42.7	43.4	43.5	43.6	43.6	43.6	43.6
≥ 10000	27.9	35.0	38.9	41.2	43.9	44.3	44.7	45.4	45.5	45.6	45.6	45.6	45.6
≥ 9000	29.4	36.8	40.7	43.0	45.8	46.1	46.6	47.2	47.4	47.5	47.5	47.5	47.5
≥ 8000	31.8	40.3	44.5	46.9	50.7	51.0	51.5	52.2	52.3	52.4	52.4	52.4	52.4
≥ 7000	33.1	42.3	46.6	49.1	53.1	53.4	54.0	54.6	54.7	54.9	54.9	54.9	54.9
≥ 6000	34.0	43.9	48.2	50.9	55.0	55.4	56.0	56.6	56.7	56.8	56.8	56.8	56.8
≥ 5000	35.3	45.6	49.9	52.5	56.8	57.3	57.8	58.5	58.6	58.7	58.7	58.7	58.7
≥ 4500	38.4	49.0	53.3	56.0	60.5	60.9	61.5	62.1	62.3	62.4	62.4	62.4	62.4
≥ 4000	42.1	53.1	57.6	60.5	65.1	65.6	66.1	66.8	66.9	67.0	67.0	67.0	67.0
≥ 3500	45.6	57.4	62.3	65.3	70.3	70.8	71.3	72.0	72.1	72.2	72.2	72.2	72.2
≥ 3000	47.8	60.3	65.3	69.1	74.4	74.8	75.4	76.0	76.3	76.5	76.5	76.5	76.5
≥ 2500	49.8	63.5	69.0	72.8	78.7	79.1	79.7	80.4	80.6	80.9	80.9	80.9	80.9
≥ 2000	50.6	64.5	70.4	74.4	80.6	81.0	81.7	82.3	82.6	82.9	82.9	82.9	82.9
≥ 1800	50.7	64.9	71.1	75.3	81.8	82.6	83.2	83.9	84.1	84.4	84.5	84.5	84.5
≥ 1500	52.1	67.2	74.0	78.5	85.5	86.3	87.1	88.1	88.3	88.7	88.9	88.9	88.9
≥ 1200	52.5	67.9	74.8	80.1	87.7	88.5	89.4	90.4	90.6	91.1	91.2	91.2	91.2
≥ 1000	53.0	68.4	75.4	80.8	88.4	89.2	90.1	91.1	91.3	91.7	91.8	91.8	91.8
≥ 900	53.3	68.9	76.3	81.9	89.5	90.3	91.2	92.4	92.9	93.4	93.7	93.7	93.7
≥ 800	53.4	69.1	76.6	82.5	90.1	90.9	92.2	93.4	93.9	94.4	94.7	94.7	94.7
≥ 700	53.6	69.3	76.8	82.7	90.5	91.4	92.7	93.9	94.5	94.9	95.3	95.3	95.3
≥ 600	53.6	69.3	76.8	82.8	90.9	91.9	93.5	94.7	95.3	95.8	96.1	96.2	96.2
≥ 500	53.6	69.3	76.8	82.8	91.3	92.3	93.8	95.1	95.7	96.6	96.9	97.0	97.0
≥ 400	53.6	69.3	76.8	82.8	91.5	92.6	94.3	95.7	96.2	97.4	98.1	98.3	98.5
≥ 300	53.6	69.3	76.8	82.8	91.5	92.6	94.4	95.9	96.5	97.6	98.3	98.6	98.9
≥ 200	53.6	69.3	76.8	82.8	91.5	92.6	94.4	95.9	96.5	97.6	98.3	98.6	98.9
≥ 100	53.6	69.3	76.8	82.8	91.5	92.6	94.4	95.9	96.5	97.6	98.3	98.6	98.9
≥ 0	53.6	69.3	76.8	82.8	91.5	92.6	94.4	95.9	96.5	97.6	98.3	98.6	98.9

CEILING (FEET)	≥0
NO CEILING	36.4
≥ 20000	41.8
≥ 18000	42.1
≥ 16000	42.2
≥ 14000	42.4
≥ 12000	43.6
≥ 10000	45.6
≥ 9000	47.5
≥ 8000	52.4
≥ 7000	54.9
≥ 6000	56.8
≥ 5000	58.7
≥ 4500	62.4
≥ 4000	67.0
≥ 3500	72.2
≥ 3000	76.5
≥ 2500	80.9
≥ 2000	82.9
≥ 1800	84.5
≥ 1500	88.9
≥ 1200	91.2
≥ 1000	91.8
≥ 900	93.7
≥ 800	94.7
≥ 700	95.3
≥ 600	96.2
≥ 500	97.0
≥ 400	98.5
≥ 300	99.2
≥ 200	99.6
≥ 100	100.0
≥ 0	100.0

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

7120 SEMBACH AB DL 64-67,76-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

CEILING (FEET)															
	17.8	29.0	33.3	35.0	39.0	40.1	40.7	41.6	41.9	42.7	43.1	43.1	43.3	43.6	43.9	44.3
	19.6	31.1	36.0	37.8	42.0	43.1	43.7	44.8	45.1	46.1	46.5	46.5	46.8	47.0	47.3	47.7
	19.6	31.1	36.0	37.8	42.0	43.2	43.9	44.9	45.2	46.2	46.6	46.6	46.9	47.2	47.4	47.8
	19.6	31.1	36.0	37.8	42.0	43.2	43.9	44.9	45.2	46.2	46.6	46.6	46.9	47.2	47.4	47.8
	19.8	31.2	36.1	37.9	42.2	43.3	44.0	45.1	45.3	46.4	46.8	46.8	47.0	47.3	47.6	48.0
	20.6	32.1	37.1	39.0	43.2	44.4	45.1	46.1	46.4	47.4	47.8	47.8	48.1	48.4	48.6	49.0
	21.5	33.5	38.5	40.4	44.8	46.0	46.6	47.7	48.0	49.0	49.4	49.4	49.7	49.9	50.2	51.0
	22.7	35.2	40.2	42.2	46.5	47.7	48.4	49.4	49.7	50.7	51.1	51.1	51.4	51.6	51.9	52.7
	25.0	38.9	44.0	46.4	51.4	52.6	53.5	54.5	54.9	56.1	56.5	56.5	56.8	57.0	57.3	58.1
	26.1	40.8	46.5	48.9	54.0	55.2	56.1	57.2	57.6	58.8	59.2	59.2	59.4	59.7	59.9	60.7
6000	27.7	44.3	50.2	52.8	58.0	59.2	60.1	61.1	61.5	62.7	63.1	63.1	63.4	63.6	63.9	64.7
5000	29.4	46.1	52.6	55.2	60.6	61.8	62.8	63.9	64.3	65.5	65.9	65.9	66.1	66.4	66.7	67.5
4500	31.2	48.6	55.6	58.2	63.9	65.1	66.4	67.6	68.1	69.3	69.7	69.7	70.0	70.2	70.5	71.3
4000	32.3	50.2	57.3	60.7	66.7	67.9	69.2	70.4	70.9	72.2	72.6	72.6	72.9	73.1	73.4	74.2
3500	34.4	53.0	60.1	63.5	69.8	71.3	72.9	74.0	74.6	75.9	76.3	76.3	76.5	76.8	77.1	77.9
3000	35.3	54.5	61.8	65.7	72.3	73.8	75.6	76.8	77.3	78.7	79.1	79.1	79.3	79.6	79.8	80.6
2500	36.4	55.9	63.9	68.6	75.6	77.1	78.9	80.4	80.9	82.2	82.6	82.6	82.9	83.1	83.4	84.2
2200	36.6	56.1	64.3	69.0	76.1	78.8	80.9	82.5	83.0	84.3	84.8	84.8	85.1	85.4	85.6	86.6
2000	36.8	56.3	64.4	69.6	77.3	79.4	81.7	83.4	83.9	85.2	85.9	85.9	86.2	86.4	86.7	87.6
1500	37.5	57.3	65.6	71.0	79.2	81.7	84.2	86.3	86.8	88.1	88.8	88.8	89.1	89.3	89.6	90.5
1000	37.8	57.8	66.5	71.9	80.5	83.0	85.5	87.7	88.5	89.9	90.5	90.5	90.8	91.0	91.3	92.2
900	38.1	58.2	66.9	72.5	81.7	84.2	86.7	88.9	89.7	91.0	91.7	91.7	92.0	92.2	92.5	93.4
800	38.1	58.2	67.1	72.6	82.1	84.6	87.1	89.3	90.4	91.8	92.5	92.5	92.8	93.0	93.3	94.2
700	38.1	58.2	67.1	72.6	82.1	84.7	87.5	89.7	90.8	92.2	92.9	92.9	93.1	93.4	93.7	94.6
600	38.1	58.2	67.1	72.6	82.1	84.7	87.7	90.0	91.2	92.6	93.3	93.3	93.5	93.8	94.1	95.0
500	38.1	58.2	67.1	72.6	82.1	84.7	87.9	90.1	91.4	93.3	93.9	93.9	94.2	94.6	94.9	95.8
400	38.1	58.2	67.1	72.7	82.5	85.1	88.3	90.5	92.0	93.8	94.5	94.5	94.7	95.4	95.7	96.6
300	38.1	58.2	67.1	72.7	82.5	85.1	88.5	90.8	92.8	94.6	95.7	95.7	95.9	96.6	96.8	97.8
250	38.1	58.2	67.1	72.7	82.5	85.1	88.5	90.8	92.8	94.9	95.9	95.9	96.3	97.1	97.4	98.3
200	38.1	58.2	67.1	72.7	82.5	85.1	88.5	90.8	92.8	95.0	96.2	96.2	96.6	97.5	97.8	99.3
	38.1	58.2	67.1	72.7	82.5	85.1	88.5	90.8	92.8	95.0	96.2	96.2	96.6	97.5	97.8	100.0
	38.1	58.2	67.1	72.7	82.5	85.1	88.5	90.8	92.8	95.0	96.2	96.2	96.6	97.5	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 759

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7123 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
NO CEILING	15.9	25.7	30.3	33.4	37.8	40.2	42.7	44.4	44.9	46.0	46.8	46.8	46.9	47.3	47.7	47.9
≥ 20000	17.1	27.5	32.0	35.3	40.1	42.4	44.9	46.6	47.1	48.2	49.0	49.0	49.1	49.5	49.9	50.2
≥ 18000	17.1	27.5	32.3	35.3	40.0	42.4	44.9	46.6	47.1	48.2	49.0	49.0	49.1	49.5	49.9	50.2
≥ 16000	17.1	27.5	32.3	35.3	40.0	42.4	44.9	46.6	47.1	48.2	49.0	49.0	49.1	49.5	49.9	50.2
≥ 14000	17.1	27.6	32.2	35.5	40.2	42.7	45.2	46.9	47.4	48.5	49.3	49.3	49.5	49.8	50.2	50.5
≥ 12000	17.3	27.9	32.5	35.8	40.5	43.0	45.7	47.4	47.9	49.0	49.8	49.8	49.9	50.2	50.7	51.0
≥ 10000	17.6	28.6	33.4	36.7	41.4	44.0	46.8	48.5	49.0	50.1	50.9	50.9	51.0	51.3	51.8	52.4
≥ 9000	18.7	30.0	34.9	38.1	42.9	45.4	48.2	49.9	50.4	51.5	52.3	52.3	52.4	52.7	53.2	53.8
≥ 8000	19.5	32.0	36.9	40.5	45.2	48.0	51.0	52.7	53.2	54.3	55.1	55.1	55.3	55.6	56.0	56.7
≥ 7000	21.0	34.7	40.0	43.6	48.7	51.5	54.6	56.4	56.8	57.9	58.7	58.7	58.9	59.2	59.7	60.3
≥ 6000	21.5	35.9	41.8	45.5	50.5	53.4	56.7	58.4	58.9	60.0	60.8	60.8	60.9	61.2	61.7	62.3
≥ 5000	22.9	38.1	44.3	48.5	53.7	56.7	60.0	61.7	62.2	63.3	64.1	64.1	64.2	64.5	65.0	65.6
≥ 4500	25.6	41.8	48.2	52.6	58.1	61.1	64.5	66.2	66.7	68.0	68.8	68.8	68.9	69.2	69.7	70.3
≥ 4000	26.7	43.5	50.4	54.8	60.9	64.7	68.3	70.0	70.5	71.7	72.5	72.5	72.7	73.0	73.5	74.1
≥ 3500	27.8	46.5	53.7	58.1	64.5	68.3	71.9	73.6	74.1	75.4	76.1	76.1	76.3	76.6	77.1	77.7
≥ 3000	28.6	48.0	55.6	60.0	66.4	70.3	73.9	75.7	76.1	77.6	78.3	78.3	78.5	78.8	79.3	79.9
≥ 2500	29.5	49.9	57.8	62.6	69.2	73.5	77.1	78.8	79.6	81.0	81.8	81.8	81.9	82.3	82.7	83.7
≥ 2000	30.1	50.9	58.9	63.9	70.5	75.0	78.6	80.5	81.3	82.7	83.5	83.5	83.8	84.1	84.6	85.7
≥ 1800	30.1	50.9	58.9	63.9	70.5	75.2	78.8	80.7	81.6	83.0	83.8	83.8	84.1	84.5	84.9	86.2
≥ 1500	30.5	51.2	59.3	64.8	71.7	76.8	80.4	82.7	83.7	85.1	85.9	85.9	86.2	86.5	87.0	88.2
≥ 1200	30.5	51.8	60.0	65.6	73.0	78.2	81.8	84.3	85.2	86.8	87.6	87.6	87.9	88.2	88.7	90.0
≥ 1000	30.6	52.3	60.4	66.1	73.5	78.8	82.7	85.2	86.2	87.8	88.5	88.5	88.9	89.2	89.6	90.9
≥ 900	30.6	52.4	60.6	66.4	73.9	79.3	83.5	86.2	87.1	88.7	89.5	89.5	89.8	90.1	90.6	91.8
≥ 800	30.6	52.4	60.6	66.4	74.1	79.4	84.0	86.7	87.6	89.2	90.0	90.0	90.3	90.6	91.1	92.3
≥ 700	30.6	52.4	60.6	66.4	74.1	79.4	84.0	86.7	87.6	89.2	90.0	90.0	90.3	90.6	91.1	92.3
≥ 600	30.6	52.7	60.9	66.7	74.6	80.1	84.8	87.4	88.4	90.0	90.7	90.7	91.1	91.7	92.3	93.6
≥ 500	30.6	52.7	60.9	66.7	74.9	80.4	85.1	87.8	88.7	90.3	91.1	91.1	91.4	92.0	92.6	93.9
≥ 400	30.6	52.7	60.9	66.7	74.9	80.4	85.6	88.5	89.8	91.5	92.3	92.3	92.6	93.2	93.9	95.1
≥ 300	30.6	52.7	60.9	66.7	74.9	80.4	85.6	88.5	90.0	92.2	93.1	93.1	93.4	94.0	94.7	95.9
≥ 200	30.6	52.7	60.9	66.7	74.9	80.4	85.6	88.5	90.1	92.3	93.6	93.6	93.9	95.0	95.6	97.6
≥ 100	30.6	52.7	60.9	66.7	74.9	80.4	85.6	88.5	90.1	92.3	93.6	93.6	93.9	95.1	96.2	99.5
≥ 0	30.6	52.7	60.9	66.7	74.9	80.4	85.6	88.5	90.1	92.3	93.6	93.6	93.9	95.1	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 637

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-67,76-81 OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥¾	≥½	≥¼	≥⅛	≥0					
NO CEILING	15.0	22.1	25.2	27.6	30.8	32.0	33.0	34.1	34.5	35.4	35.7	35.8	36.0	36.6	36.9	37.8	
≥ 22000	16.8	24.3	27.5	29.9	33.3	34.5	35.7	36.8	37.3	38.1	38.5	38.6	38.8	39.4	39.7	40.7	
≥ 18000	17.0	24.4	27.7	30.1	33.5	34.7	35.8	36.9	37.4	38.3	38.7	38.8	39.0	39.6	39.9	40.9	
≥ 17000	17.0	24.5	27.7	30.1	33.6	34.8	35.9	37.0	37.5	38.4	38.8	38.9	39.1	39.7	40.0	41.0	
≥ 14000	17.2	24.7	28.0	30.4	33.8	35.0	36.2	37.3	37.8	38.7	39.0	39.1	39.3	40.0	40.2	41.2	
≥ 12000	17.8	25.3	28.7	31.1	34.5	35.8	37.0	38.1	38.6	39.5	39.9	40.0	40.2	40.8	41.1	42.1	
≥ 10000	18.5	26.3	29.7	32.2	35.7	37.0	38.2	39.4	40.0	40.9	41.3	41.4	41.6	42.2	42.5	43.6	
≥ 9000	19.2	27.2	30.7	33.2	36.7	38.1	39.3	40.5	41.0	42.0	42.4	42.5	42.8	43.4	43.7	44.8	
≥ 8000	20.7	29.6	33.2	36.0	39.9	41.3	42.7	43.8	44.5	45.5	45.9	46.1	46.3	47.0	47.3	48.4	
≥ 7000	21.7	31.5	35.3	38.2	42.2	43.7	45.2	46.4	47.0	48.1	48.5	48.6	48.9	49.5	49.8	51.0	
≥ 6000	22.4	33.2	37.1	40.2	44.3	45.8	47.4	48.6	49.2	50.3	50.7	50.8	51.1	51.7	52.0	53.2	
≥ 5000	23.3	34.6	38.6	41.8	46.0	47.6	49.3	50.5	51.1	52.2	52.6	52.8	53.0	53.7	54.0	55.2	
≥ 4500	25.0	36.6	40.8	44.0	48.4	50.0	51.8	53.0	53.7	54.8	55.2	55.3	55.6	56.3	56.6	57.8	
≥ 4000	26.7	38.9	43.5	47.0	51.7	53.3	55.1	56.4	57.1	58.2	58.7	58.8	59.1	59.7	60.0	61.2	
≥ 3500	28.4	41.7	46.4	50.1	55.0	56.7	58.6	59.9	60.6	61.7	62.2	62.3	62.6	63.2	63.5	64.7	
≥ 3000	30.0	43.8	48.8	52.9	58.1	59.9	61.9	63.3	64.1	65.3	65.7	65.9	66.1	66.8	67.1	68.3	
≥ 2500	31.7	46.3	51.6	56.0	61.5	63.4	65.5	66.9	67.7	69.0	69.5	69.6	69.9	70.5	70.9	72.1	
≥ 2000	32.9	48.3	54.0	59.0	65.0	67.1	69.4	70.9	71.8	73.1	73.6	73.7	74.0	74.7	75.0	76.3	
≥ 1800	33.0	48.8	54.6	59.8	65.9	68.2	70.6	72.1	73.0	74.3	74.9	75.0	75.3	76.0	76.4	77.7	
≥ 1500	34.1	50.8	56.8	62.3	68.9	71.3	73.9	75.7	76.6	78.0	78.6	78.7	79.0	79.8	80.1	81.4	
≥ 1200	34.7	51.8	58.3	64.2	71.4	74.0	76.7	78.6	79.6	81.1	81.6	81.8	82.1	82.9	83.3	84.6	
≥ 1000	35.0	52.7	59.2	65.4	72.8	75.4	78.3	80.3	81.3	82.7	83.4	83.5	83.8	84.6	85.0	86.3	
≥ 900	35.2	52.9	59.6	66.0	73.8	76.5	79.4	81.4	82.5	84.1	84.8	84.9	85.3	86.0	86.4	87.7	
≥ 800	35.3	53.2	60.0	66.5	74.6	77.4	80.5	82.7	83.8	85.3	86.0	86.2	86.6	87.3	87.7	89.0	
≥ 700	35.3	53.3	60.1	66.8	75.2	78.0	81.3	83.5	84.6	86.2	86.9	87.1	87.5	88.2	88.6	90.0	
≥ 600	35.4	53.4	60.3	67.0	75.5	78.5	81.8	84.1	85.3	86.9	87.7	87.9	88.2	89.1	89.5	90.8	
≥ 500	35.4	53.5	60.4	67.1	75.9	78.9	82.3	84.9	86.2	88.0	88.7	88.9	89.4	90.2	90.7	92.0	
≥ 400	35.4	53.5	60.4	67.2	76.1	79.1	82.9	85.7	87.2	89.1	90.1	90.4	90.9	91.8	92.4	93.7	
≥ 300	35.4	53.5	60.4	67.2	76.1	79.2	83.3	86.1	87.7	89.8	91.0	91.4	92.2	93.4	94.1	95.9	
≥ 200	35.4	53.5	60.4	67.2	76.1	79.2	83.4	86.2	87.8	90.0	91.4	91.9	92.8	94.5	95.4	98.6	
≥ 100	35.4	53.5	60.4	67.2	76.1	79.2	83.4	86.3	87.9	90.0	91.5	92.0	92.9	94.7	95.6	99.8	
≥ 0	35.4	53.5	60.4	67.2	76.1	79.2	83.4	86.3	87.9	90.0	91.5	92.0	92.9	94.7	95.6	100.0	

TOTAL NUMBER OF OBSERVATIONS 5752

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7129 SEMBACH AB DL 64-67,77,79 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0000-0200

	2.4	8.3	9.7	13.1	15.8	18.8	19.8	20.4	20.9	21.7	22.0	22.0	22.0	22.0	22.0	23.3
	2.4	8.3	9.7	13.1	15.8	18.8	19.8	20.4	20.9	21.7	22.0	22.0	22.0	22.0	22.0	23.3
	2.4	8.3	9.7	13.1	15.8	18.8	19.8	20.4	20.9	21.7	22.0	22.0	22.0	22.0	22.0	23.3
	2.4	8.3	9.7	13.1	15.8	18.8	19.8	20.4	20.9	21.7	22.0	22.0	22.0	22.0	22.0	23.3
	2.4	8.3	9.7	13.1	15.8	18.8	19.8	20.4	20.9	21.7	22.0	22.0	22.0	22.0	22.0	23.3
	2.4	8.3	9.7	13.1	15.8	18.8	19.8	20.4	21.2	22.0	22.3	22.3	22.3	22.3	22.3	23.6
	2.7	8.6	9.9	13.4	16.1	19.0	20.1	20.6	21.4	22.3	22.5	22.5	22.5	22.5	22.5	23.9
	2.7	9.1	10.5	13.9	16.6	19.6	20.6	21.2	22.0	22.8	23.1	23.1	23.1	23.1	23.1	24.4
	3.2	11.0	12.6	16.9	19.8	22.8	24.1	24.7	25.5	26.3	26.5	26.5	26.5	26.5	26.5	27.9
	3.2	11.5	13.1	17.7	20.6	23.6	25.2	25.7	26.8	27.6	28.2	28.2	28.2	28.2	28.2	29.5
	3.8	13.7	15.3	20.6	23.6	26.5	28.2	28.7	29.8	30.6	31.1	31.1	31.1	31.1	31.1	32.4
	4.3	15.0	16.6	22.0	24.9	27.9	30.0	30.6	31.6	33.0	33.5	33.5	33.5	33.5	33.5	34.9
	4.3	15.0	16.6	22.5	25.7	29.0	31.9	32.7	33.8	35.1	35.7	35.7	35.7	35.7	35.7	37.0
	4.8	15.5	17.4	23.6	26.8	30.0	33.0	33.8	34.9	36.2	36.7	36.7	36.7	36.7	36.7	38.1
	4.8	16.4	18.2	24.4	27.6	31.1	34.0	34.9	35.9	37.3	37.8	37.8	37.8	37.8	37.8	39.1
	5.4	17.7	19.6	26.3	29.8	33.5	36.5	37.3	38.3	39.7	40.2	40.2	40.2	40.2	40.2	41.6
	5.9	18.5	20.4	27.3	31.1	35.1	38.3	39.1	40.2	41.6	42.1	42.1	42.1	42.1	42.1	43.4
	5.9	19.0	21.2	28.2	32.7	36.7	40.5	41.8	42.9	44.2	44.8	44.8	44.8	44.8	44.8	46.1
	5.9	19.6	22.0	29.0	34.0	38.1	41.8	43.2	44.2	45.6	46.1	46.1	46.1	46.1	46.1	47.5
	5.9	24.1	28.4	35.7	41.0	45.0	48.8	50.1	51.2	52.5	53.1	53.1	53.1	53.1	53.1	54.4
	6.2	26.3	32.4	40.8	46.9	50.9	55.5	57.6	58.7	60.1	60.6	60.6	60.9	60.9	60.9	62.2
	6.2	26.5	33.2	41.8	48.5	52.8	57.9	60.1	61.1	62.5	63.0	63.0	63.3	63.3	63.3	64.6
	6.2	26.8	33.8	42.9	49.6	54.2	59.5	61.9	63.0	64.3	64.9	64.9	65.1	65.1	65.1	66.5
	6.2	27.1	34.0	44.0	5 .2	55.8	61.9	64.3	65.4	66.8	67.3	67.3	67.6	67.6	67.6	68.9
	6.2	27.1	35.1	45.0	53.1	58.4	64.6	67.3	68.4	69.7	70.2	70.2	70.5	70.5	70.5	71.8
	6.2	27.3	35.7	46.1	54.4	60.6	66.8	70.0	7 .0	72.4	73.5	73.7	74.0	74.0	74.0	75.3
	6.2	27.3	36.2	47.7	57.4	64.3	72.4	77.2	78.3	79.6	81.0	81.5	81.8	82.3	82.3	83.6
	6.2	27.3	36.2	48.0	57.6	65.7	74.8	79.9	81.0	82.8	85.0	85.8	86.3	86.9	86.9	89.3
	6.2	27.3	36.2	48.0	57.6	65.7	75.6	81.0	82.3	84.5	86.6	87.4	87.9	88.7	88.7	91.2
	6.2	27.3	36.2	48.0	57.6	65.7	75.6	81.8	83.1	85.8	88.2	89.0	89.5	90.3	90.3	95.2
	6.2	27.3	36.2	48.0	57.6	65.7	75.6	81.8	83.1	85.8	88.5	89.5	90.1	91.4	91.4	100.0
	6.2	27.3	36.2	48.0	57.6	65.7	75.6	81.8	83.1	85.8	88.5	89.5	90.1	91.4	91.4	100.0

TOTAL NUMBER OF OBSERVATIONS 373

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-67,76-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0300-0500

CEILING (FT)	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
12000	3.8	7.5	7.9	10.9	13.4	14.4	15.3	15.5	15.5	15.9	16.5	16.5	16.5	16.9	17.2	18.8	
10000	3.8	7.7	8.2	11.1	13.6	14.6	15.7	15.9	15.9	16.3	16.9	16.9	16.9	17.4	17.8	19.5	
9000	3.6	7.7	8.2	11.1	13.6	14.6	15.7	15.9	15.9	16.3	16.9	16.9	16.9	17.4	17.8	19.5	
8000	3.8	7.7	8.2	11.1	13.6	14.6	15.7	15.9	15.9	16.3	16.9	16.9	16.9	17.4	17.8	19.5	
7000	3.8	7.7	8.2	11.1	13.6	14.6	15.7	15.9	15.9	16.3	16.9	16.9	16.9	17.4	17.8	19.5	
6000	3.8	7.9	8.4	11.3	13.8	14.9	15.9	16.1	16.1	16.5	17.2	17.2	17.4	17.8	18.2	19.9	
5000	4.0	8.2	8.6	11.5	14.0	15.5	16.5	16.7	16.7	17.2	17.8	17.8	18.0	18.6	19.0	20.9	
4500	4.0	8.2	8.6	11.5	14.0	15.7	16.7	16.9	16.9	17.4	18.0	18.0	18.2	18.8	19.2	21.1	
4000	4.6	9.4	9.8	13.0	15.5	17.2	18.2	18.6	18.8	19.2	19.9	20.1	20.3	20.9	21.3	23.2	
3500	4.8	10.7	11.3	14.6	17.2	18.8	19.9	20.3	20.5	20.9	21.5	21.8	22.0	22.6	23.0	24.9	
3000	5.2	11.3	12.1	15.7	18.6	20.3	21.3	21.8	22.6	23.0	23.6	23.8	24.1	24.7	25.1	27.0	
2500	6.1	12.3	13.2	17.8	20.9	22.6	23.6	24.5	25.5	25.9	26.6	26.8	27.0	27.6	28.0	29.9	
2200	6.7	13.2	14.0	18.6	21.8	23.6	25.7	26.6	27.6	28.0	28.7	28.9	29.1	29.9	30.3	32.2	
2000	7.1	14.6	15.7	20.5	23.6	25.5	28.0	28.9	29.9	30.3	31.0	31.2	31.4	32.2	32.6	34.5	
1800	7.3	15.7	16.7	21.5	24.9	26.8	29.3	30.1	31.2	31.6	32.2	32.4	32.6	33.5	33.9	35.8	
1600	7.5	16.5	18.2	23.6	27.4	29.3	31.8	32.6	33.7	34.1	34.7	34.9	35.1	36.0	36.4	38.3	
1400	9.0	18.8	20.5	25.9	30.3	32.8	35.4	36.2	37.2	37.7	38.3	38.5	38.7	39.5	40.0	41.8	
1200	9.6	21.1	23.6	29.7	34.7	37.2	41.0	41.8	42.9	43.3	43.9	44.1	44.4	45.2	45.6	47.5	
1000	9.8	21.5	24.1	30.1	35.8	38.3	42.1	42.9	43.9	44.4	45.0	45.2	45.4	46.2	46.7	48.5	
900	10.9	24.9	28.2	34.9	40.8	43.5	47.3	48.3	49.4	49.8	50.4	50.6	50.8	51.7	52.1	54.2	
800	11.7	27.6	33.1	40.2	46.4	49.4	53.3	54.4	55.4	56.1	56.7	56.9	57.1	57.9	58.4	60.5	
700	11.7	28.2	33.9	41.4	49.0	52.7	56.7	57.7	58.8	59.4	60.0	60.3	60.5	61.3	61.7	63.8	
600	11.9	29.3	35.1	43.1	50.8	54.8	58.8	60.5	61.5	62.1	62.8	63.0	63.2	64.0	64.4	66.5	
500	11.9	29.7	35.6	43.5	51.3	55.9	59.8	61.5	63.0	63.6	64.2	64.4	64.6	65.5	65.9	68.0	
450	12.1	30.1	36.2	44.4	52.3	57.5	62.3	64.0	65.5	66.1	66.7	66.9	67.2	68.0	68.4	70.5	
400	12.3	30.8	37.2	45.6	55.0	60.5	66.3	68.6	70.1	70.7	71.3	71.8	72.0	72.8	73.2	75.5	
350	12.3	30.8	37.4	46.4	56.7	63.2	69.7	72.2	74.3	74.9	75.7	76.2	76.4	77.4	77.8	80.5	
300	12.3	30.8	37.4	46.4	57.3	64.9	73.0	76.4	78.7	79.5	80.8	81.2	82.0	83.3	83.7	87.2	
250	12.3	30.8	37.4	46.4	57.3	64.9	74.1	78.2	80.8	81.6	83.3	83.7	84.5	85.8	86.2	89.7	
200	12.3	30.8	37.4	46.4	57.3	65.3	74.5	78.9	82.0	83.3	85.1	85.6	86.4	87.9	88.5	95.2	
150	12.3	30.8	37.4	46.4	57.3	65.3	74.5	78.9	82.4	83.9	86.2	86.6	87.4	88.9	89.7	100.0	
100	12.3	30.8	37.4	46.4	57.3	65.3	74.5	78.9	82.4	83.9	86.2	86.6	87.4	88.9	89.7	100.0	

TOTAL NUMBER OF OBSERVATIONS 478

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

120 SEMBACH AB DL 64-67,76-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

	5.8	8.6	9.9	11.8	14.2	15.2	16.9	17.6	17.6	18.0	18.1	18.1	18.1	18.4	18.6	20.4
	6.2	9.2	10.5	12.3	14.7	15.7	17.4	18.1	18.1	18.6	18.7	18.7	18.7	19.0	19.1	21.2
	6.4	9.3	10.6	12.5	14.9	15.9	17.6	18.3	18.3	18.7	18.8	18.8	18.8	19.1	19.3	21.4
	6.4	9.3	10.6	12.5	14.9	15.9	17.6	18.3	18.3	18.7	18.8	18.8	18.8	19.1	19.3	21.4
	6.4	9.3	10.6	12.5	14.9	15.9	17.6	18.3	18.3	18.7	18.8	18.8	18.8	19.1	19.3	21.4
	6.4	9.3	10.6	12.5	14.9	15.9	17.6	18.3	18.3	18.7	18.8	18.8	18.8	19.1	19.3	21.4
	6.8	9.8	11.0	12.9	15.3	16.3	18.0	18.7	18.7	19.1	19.3	19.3	19.3	19.5	19.7	21.8
	6.8	9.8	11.0	13.0	15.6	16.6	18.3	19.0	19.0	19.4	19.5	19.5	19.5	19.8	20.0	22.4
	7.1	10.6	11.9	13.9	16.6	17.6	19.3	20.0	20.0	20.4	20.5	20.5	20.5	20.8	21.0	23.4
	7.1	10.9	12.2	14.2	16.9	18.1	19.8	20.5	20.5	21.0	21.1	21.1	21.1	21.4	21.5	24.1
	7.5	11.6	13.0	15.0	17.8	19.1	20.8	21.5	21.5	22.1	22.2	22.2	22.2	22.5	22.7	25.2
	8.8	13.3	14.9	17.1	20.4	21.8	23.9	24.6	24.6	25.2	25.4	25.4	25.4	25.6	25.8	28.3
	9.2	14.0	15.6	17.8	21.2	23.1	25.2	25.9	26.1	26.6	26.8	26.8	26.8	27.3	27.5	30.0
	10.2	15.4	17.3	19.8	23.7	25.9	28.3	29.0	29.3	29.9	30.0	30.0	30.0	30.6	30.7	33.3
	11.0	16.6	18.6	21.4	25.5	27.8	30.3	31.2	31.6	32.2	32.3	32.3	32.3	32.9	33.0	35.6
	11.8	17.8	20.7	23.9	28.6	30.9	33.9	34.7	35.1	35.7	35.8	35.8	35.8	36.4	36.5	39.1
	12.9	20.4	23.5	26.8	32.0	34.6	37.7	38.5	39.0	39.5	39.7	39.7	39.7	40.2	40.4	42.9
	14.0	22.8	26.3	29.7	35.0	37.5	40.7	41.5	42.2	42.8	42.9	42.9	42.9	43.5	43.6	46.2
	14.7	23.8	27.5	31.0	36.5	39.1	42.4	43.3	44.1	44.6	44.8	44.8	44.8	45.3	45.5	48.0
	17.1	28.2	32.6	36.8	43.5	46.0	49.6	50.7	51.4	52.0	52.1	52.1	52.1	52.7	52.8	55.4
	18.4	30.9	36.8	41.8	49.0	52.1	55.8	57.4	58.1	58.6	58.9	58.9	58.9	59.6	59.8	62.3
	18.6	31.4	37.8	43.5	51.4	55.0	58.6	60.3	61.0	61.8	62.3	62.3	62.3	63.0	63.2	65.7
	18.6	31.7	38.4	44.2	52.4	56.1	59.8	61.8	62.7	63.5	64.0	64.0	64.0	64.7	64.9	67.4
	18.7	32.3	39.9	46.0	54.8	58.6	62.7	64.7	65.7	66.4	67.0	67.0	67.0	67.7	67.8	70.4
	19.3	32.9	40.5	47.0	57.1	61.2	65.4	67.4	68.4	69.4	70.1	70.1	70.1	70.8	71.0	73.5
	19.3	33.0	40.8	47.5	58.8	63.5	68.7	71.5	72.7	73.7	74.4	74.5	74.5	75.2	75.4	78.2
	19.4	33.1	40.9	47.7	59.6	64.7	70.8	73.7	75.2	76.3	77.2	77.5	77.5	78.2	78.3	81.2
	19.5	33.3	41.1	47.9	60.2	65.7	72.7	75.8	78.0	80.0	81.2	81.4	81.4	82.3	82.4	85.7
	19.5	33.3	41.1	48.0	60.6	66.3	73.7	77.8	80.5	82.9	84.3	84.6	84.6	85.6	85.7	89.1
	19.5	33.3	41.1	48.0	60.6	66.4	74.1	78.5	81.9	84.7	86.7	87.8	88.0	89.7	90.1	96.9
	19.5	33.3	41.1	48.0	60.6	66.4	74.1	78.5	81.9	84.7	86.7	88.0	88.1	90.2	91.4	100.0
	19.5	33.3	41.1	48.0	60.6	66.4	74.1	78.5	81.9	84.7	86.7	88.0	88.1	90.2	91.4	100.0

TOTAL NUMBER OF OBSERVATIONS 706

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7128 SEMBACH AB DL 64-67,76-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

CEILING FEET	VISIBILITY STATUTE MILES																
	27	26	25	24				2									
	7.6	10.0	11.7	14.1	15.5	16.1	16.8	17.1	17.3	17.6	17.8	17.8	17.9	18.2	18.3	18.9	
20000	9.3	11.9	13.7	16.4	17.8	18.5	19.2	19.5	19.9	20.2	20.3	20.3	20.6	20.9	21.1	21.7	
15000	9.3	11.9	13.7	16.4	17.8	18.5	19.2	19.5	19.9	20.2	20.3	20.3	20.6	20.9	21.1	21.7	
12000	9.3	11.9	13.7	16.4	17.8	18.5	19.2	19.5	19.9	20.2	20.3	20.3	20.6	20.9	21.1	21.7	
10000	9.6	12.1	13.9	16.6	18.0	18.7	19.4	19.7	20.1	20.4	20.6	20.6	20.8	21.1	21.4	22.0	
9000	9.7	12.3	14.0	16.7	18.1	18.8	19.5	19.9	20.2	20.6	20.8	20.8	21.0	21.4	21.6	22.2	
8000	9.9	12.5	14.3	16.9	18.5	19.3	20.0	20.3	20.7	21.0	21.3	21.3	21.5	21.8	22.1	22.7	
7000	10.3	12.9	14.6	17.3	18.9	19.7	20.4	20.8	21.3	21.6	21.8	21.8	22.1	22.4	22.7	23.2	
6000	11.2	14.1	15.9	18.7	20.4	21.4	22.1	22.4	22.9	23.2	23.5	23.6	23.8	24.2	24.4	25.0	
5000	12.0	15.0	16.8	19.7	21.5	22.4	23.4	23.7	24.2	24.5	24.8	24.9	25.1	25.5	25.7	26.4	
4500	12.6	15.9	17.9	20.8	22.5	23.5	24.5	24.9	25.4	25.7	25.9	26.1	26.3	26.6	26.9	27.6	
4000	13.6	17.2	19.3	22.4	24.2	25.1	26.2	26.5	27.0	27.5	27.9	28.0	28.3	28.6	28.9	29.6	
3500	14.4	18.0	20.2	23.5	25.5	26.5	27.6	27.9	28.4	28.9	29.3	29.4	29.7	30.0	30.3	31.0	
3000	16.2	20.0	22.2	25.6	27.8	29.0	30.4	30.8	31.4	32.0	32.5	32.6	32.8	33.3	33.5	34.2	
2500	17.9	21.6	23.9	27.8	30.4	31.5	32.9	33.9	34.5	35.3	35.7	35.9	36.1	36.6	36.8	37.5	
2000	20.0	24.2	26.8	31.1	33.9	35.0	36.6	37.5	38.2	39.3	39.7	39.8	40.1	40.5	40.8	41.5	
1800	21.4	26.3	29.4	34.1	37.5	38.8	40.7	41.7	42.4	43.5	43.9	44.0	44.3	44.7	45.0	45.7	
1600	22.7	29.2	32.7	37.7	41.9	43.5	46.0	47.4	48.1	49.2	49.8	49.9	50.1	50.6	50.8	51.5	
1400	23.2	30.4	34.1	39.5	44.3	45.8	48.4	49.8	50.5	51.5	52.1	52.2	52.5	52.9	53.2	53.9	
1200	24.8	33.2	37.1	43.0	48.4	50.1	52.9	54.6	55.3	56.3	56.9	57.1	57.4	57.8	58.1	58.8	
1000	26.3	36.0	40.9	47.7	53.6	55.4	58.4	60.3	61.1	62.7	63.3	63.7	63.9	64.4	64.6	65.3	
900	27.3	38.1	43.3	50.7	57.2	59.0	62.0	63.9	64.7	66.4	66.9	67.3	67.5	68.0	68.2	69.2	
800	27.5	38.3	43.9	51.5	58.4	60.3	63.4	65.7	66.6	68.2	68.8	69.2	69.4	69.9	70.1	71.0	
700	27.5	38.6	45.1	53.3	60.7	63.1	66.5	68.7	69.7	71.4	72.0	72.3	72.5	73.0	73.2	74.2	
600	27.5	38.6	45.3	54.1	62.0	64.6	68.2	71.0	72.2	74.2	74.8	75.1	75.4	75.8	76.1	77.0	
500	27.5	38.7	45.4	54.8	64.2	66.9	71.0	74.1	75.2	77.2	77.8	78.2	78.4	78.9	79.1	80.0	
400	27.5	38.9	45.8	55.4	65.0	68.2	72.9	77.2	78.7	81.5	82.2	82.6	82.8	83.3	83.5	84.5	
300	27.5	38.9	45.8	55.5	65.3	68.8	73.9	79.6	81.7	84.9	85.6	86.0	86.4	87.0	87.3	88.3	
200	27.5	38.9	45.8	55.5	65.3	68.9	74.2	80.0	82.2	86.9	88.4	89.1	89.6	91.0	91.2	92.5	
100	27.5	38.9	45.8	55.5	65.4	69.0	74.3	80.5	82.7	87.6	89.8	90.8	91.6	94.4	95.1	98.0	
0	27.5	38.9	45.8	55.5	65.4	69.0	74.3	80.5	82.7	87.6	89.8	90.8	91.6	94.6	95.9	100.0	
	27.5	38.9	45.8	55.5	65.4	69.0	74.3	80.5	82.7	87.6	89.8	90.8	91.6	94.6	95.9	100.0	

TOTAL NUMBER OF OBSERVATIONS 856

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] SEMBACH AB DL 64-67,76-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING (FEET)																
[illegible]	10.7	15.9	17.3	19.0	20.6	21.2	21.2	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.7
2000	12.6	17.9	19.4	21.3	23.1	23.7	23.7	23.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.3
8000	12.7	18.0	19.5	21.4	23.3	23.8	23.8	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.4
7000	12.8	18.1	19.7	21.5	23.4	24.0	24.0	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.5
6000	13.3	18.6	20.1	22.0	23.8	24.4	24.4	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	25.0
5000	13.5	18.8	20.3	22.2	24.3	24.9	24.9	25.0	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.5
4000	14.0	19.4	20.9	22.8	25.0	25.6	25.6	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.2
3500	14.8	20.3	21.9	23.7	26.2	26.7	26.7	26.9	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.4
3000	15.6	21.3	22.8	24.7	27.1	27.7	27.7	27.8	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.4
2500	16.4	22.3	24.1	25.9	28.5	29.2	29.2	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.9
2000	16.7	23.0	24.8	26.6	29.3	30.0	30.0	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.7
1800	17.6	23.8	25.7	27.7	30.5	31.2	31.2	31.3	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.9
1600	18.3	24.7	26.7	29.0	32.1	33.0	33.0	33.1	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.7
1400	20.3	27.4	29.8	32.1	35.5	36.6	36.7	37.2	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.8
1200	23.3	31.3	34.0	36.4	40.5	41.6	41.9	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.9
1000	26.5	35.0	37.9	40.6	44.8	45.9	46.2	46.6	46.7	46.9	46.9	46.9	46.9	46.9	46.9	47.2
900	29.7	38.8	42.2	45.0	49.8	50.9	51.3	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.4
800	32.3	42.4	46.2	49.5	55.0	56.2	56.7	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.9
700	32.7	42.9	46.7	50.8	56.4	57.7	58.4	58.8	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.5
600	34.9	46.5	50.9	55.5	61.4	62.9	63.8	64.3	64.4	64.9	64.9	64.9	65.0	65.0	65.0	65.3
500	35.6	49.0	54.8	60.1	67.2	69.0	70.3	70.8	70.9	71.5	71.5	71.5	71.6	71.7	71.7	72.1
450	36.4	50.7	57.6	63.6	71.6	73.4	74.9	75.5	75.6	76.3	76.3	76.3	76.4	76.5	76.5	76.9
400	36.6	51.3	58.4	64.9	74.3	76.2	77.9	78.7	78.8	79.7	79.7	79.7	79.8	79.9	79.9	80.2
350	36.6	51.5	59.0	65.9	75.9	78.0	80.0	80.8	81.0	81.9	81.9	81.9	82.0	82.2	82.2	82.6
300	36.7	51.9	59.4	66.6	76.9	79.3	81.5	82.9	83.1	84.0	84.0	84.0	84.1	84.4	84.4	84.8
250	36.7	51.9	59.4	66.9	77.7	80.6	83.1	85.2	85.7	86.9	86.9	86.9	87.0	87.3	87.3	87.7
200	36.7	51.9	59.4	67.0	78.1	82.0	84.7	87.6	88.3	89.8	89.8	90.0	90.1	90.7	90.7	91.0
150	36.7	51.9	59.4	67.0	78.3	82.2	85.7	89.3	90.2	91.9	91.9	92.2	92.4	93.3	93.3	93.6
100	36.7	51.9	59.4	67.0	78.4	82.3	85.9	89.9	90.8	93.8	93.8	94.8	95.2	96.2	96.2	96.5
050	36.7	51.9	59.4	67.0	78.4	82.4	86.0	90.0	91.0	94.1	94.2	95.2	96.0	97.2	97.3	99.4
000	36.7	51.9	59.4	67.0	78.4	82.4	86.0	90.0	91.0	94.1	94.2	95.2	96.2	97.3	97.4	100.0
	36.7	51.9	59.4	67.0	78.4	82.4	86.0	90.0	91.0	94.1	94.2	95.2	96.2	97.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 860

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

SEMBACH AB DL | 64-67,76-81 | NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING IN FEET	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0
≥ 12000	15.3	20.4	21.6	23.0	24.0	24.0	24.3	24.7	24.7	24.7	24.9	24.9	24.9	25.0	25.0	25.3
≥ 10000	17.2	22.8	24.2	25.6	26.7	26.7	27.0	27.4	27.5	27.5	27.7	27.7	27.7	27.8	27.8	28.2
≥ 9000	17.2	22.8	24.2	25.6	26.7	26.7	27.0	27.4	27.5	27.5	27.7	27.7	27.7	27.8	27.8	28.2
≥ 8000	17.3	22.9	24.3	25.7	26.8	26.8	27.1	27.5	27.6	27.6	27.8	27.8	27.8	28.0	28.0	28.3
≥ 7000	17.7	23.3	24.7	26.1	27.1	27.1	27.5	27.8	28.0	28.0	28.2	28.2	28.2	28.3	28.3	28.7
≥ 6000	17.8	23.7	25.1	26.5	27.7	27.7	28.1	28.4	28.5	28.5	28.8	28.8	28.8	28.9	28.9	29.2
≥ 5000	18.5	24.7	26.1	27.5	28.7	28.7	29.0	29.4	29.5	29.5	29.7	29.7	29.7	29.8	29.8	30.2
≥ 4500	19.9	26.2	27.6	29.0	30.2	30.2	30.6	31.0	31.1	31.1	31.3	31.3	31.3	31.5	31.5	31.8
≥ 4000	21.8	28.3	30.1	31.6	33.0	33.1	33.6	33.9	34.0	34.0	34.3	34.3	34.3	34.4	34.4	34.7
≥ 3500	22.9	30.3	32.4	34.2	35.8	36.1	36.6	37.1	37.2	37.2	37.4	37.4	37.4	37.7	37.7	38.0
≥ 3000	23.9	32.2	34.5	36.3	37.9	38.4	38.8	39.4	39.5	39.5	39.8	39.8	39.8	40.0	40.0	40.4
≥ 2500	24.9	33.5	36.0	37.8	39.4	39.9	40.4	40.9	41.1	41.1	41.3	41.3	41.3	41.5	41.5	41.9
≥ 2200	25.6	34.5	37.2	39.4	41.2	41.6	42.1	42.7	42.8	42.8	43.0	43.0	43.0	43.3	43.3	43.6
≥ 2000	27.5	36.8	39.5	41.8	43.5	44.1	44.6	45.1	45.3	45.4	45.6	45.6	45.6	45.8	45.8	46.2
≥ 1800	29.7	39.8	42.8	45.4	47.1	48.1	48.7	49.4	49.5	49.6	49.8	49.8	49.8	50.1	50.1	50.4
≥ 1600	32.9	43.9	47.3	50.3	52.5	53.6	54.2	55.0	55.1	55.2	55.4	55.4	55.4	55.7	55.7	56.0
≥ 1500	35.0	46.8	50.8	54.0	56.6	57.7	58.2	59.1	59.2	59.3	59.5	59.5	59.5	59.8	59.8	60.1
≥ 1400	36.8	49.7	53.9	57.9	61.2	62.3	62.9	63.7	64.2	64.3	64.6	64.6	64.6	64.8	64.8	65.1
≥ 1300	37.3	50.3	54.7	59.3	63.0	64.2	64.9	65.7	66.2	66.3	66.5	66.5	66.5	66.8	66.8	67.1
≥ 1200	39.2	53.7	58.1	63.4	67.7	68.9	69.6	70.6	71.1	71.2	71.5	71.5	71.5	71.7	71.7	72.0
≥ 1100	40.0	56.5	61.6	67.1	72.5	73.8	74.5	75.6	76.0	76.3	76.5	76.5	76.5	76.7	76.7	77.1
≥ 1000	40.1	57.2	62.8	68.8	74.9	76.1	77.0	78.0	78.5	78.8	79.1	79.1	79.1	79.3	79.3	79.6
≥ 900	40.1	57.2	63.4	69.5	75.6	77.1	78.4	79.5	80.0	80.5	80.7	80.7	80.7	80.9	80.9	81.3
≥ 800	40.1	57.5	64.6	70.9	77.8	79.9	81.8	83.2	83.9	84.3	84.6	84.6	84.6	84.8	84.8	85.1
≥ 700	40.4	58.0	65.1	71.7	79.3	81.6	83.5	84.9	85.7	86.2	86.4	86.5	86.5	86.9	86.9	87.3
≥ 600	40.4	58.0	65.1	71.8	79.6	82.5	84.6	86.3	87.1	87.6	88.1	88.3	88.3	88.8	88.8	89.1
≥ 500	40.4	58.0	65.1	71.8	79.8	82.8	86.0	87.8	88.9	89.6	90.1	90.6	90.9	91.3	91.3	91.7
≥ 400	40.4	58.0	65.1	71.8	79.9	83.0	86.9	89.1	90.6	92.3	92.9	93.5	93.8	94.3	94.3	95.0
≥ 300	40.4	58.0	65.1	71.8	80.0	83.2	87.0	89.4	91.0	93.2	94.3	94.9	95.3	95.9	95.9	96.6
≥ 200	40.4	58.0	65.1	71.8	80.0	83.2	87.0	89.4	91.1	93.3	94.5	95.1	95.6	96.7	97.2	98.1
≥ 100	40.4	58.0	65.1	71.8	80.0	83.2	87.0	89.4	91.1	93.3	94.5	95.1	95.7	97.0	97.7	99.6
≥ 0	40.4	58.0	65.1	71.8	80.0	83.2	87.0	89.4	91.1	93.3	94.5	95.1	95.7	97.0	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 855

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-67,76-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

CEILING (FT)	2	2½	3	4	5	6	7	8	9	10	11	12	13	14	15	16
22000	14.1	18.1	22.4	24.5	27.5	28.0	28.5	28.7	28.7	28.7	28.7	28.8	28.8	29.0	29.0	30.4
20000	16.0	20.0	24.4	27.0	30.0	30.4	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.4	31.4	32.8
18000	16.0	20.0	24.4	27.0	30.0	30.4	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.4	31.4	32.8
17000	16.0	20.0	24.4	27.0	30.0	30.4	31.0	31.1	31.1	31.1	31.1	31.2	31.2	31.4	31.4	32.8
16000	16.0	20.0	24.5	27.1	30.1	30.5	31.1	31.2	31.2	31.2	31.2	31.4	31.4	31.5	31.5	33.2
15000	16.0	20.3	24.6	27.4	30.4	30.8	31.4	31.5	31.5	31.5	31.5	31.7	31.7	31.8	31.8	33.5
14000	17.0	21.3	26.0	28.5	31.5	32.0	32.5	32.7	32.7	32.7	32.7	32.8	32.8	33.0	33.0	34.7
13000	17.7	22.3	27.2	29.8	32.8	33.4	34.0	34.1	34.1	34.1	34.1	34.2	34.2	34.4	34.4	36.1
12000	18.8	24.1	29.1	31.8	35.0	35.5	36.4	36.7	36.9	36.9	36.9	37.1	37.1	37.2	37.2	38.9
11000	19.1	24.8	30.0	32.7	36.1	36.7	37.5	37.8	38.1	38.1	38.1	38.2	38.2	38.4	38.4	40.1
10000	19.8	26.1	31.2	34.1	37.9	38.8	39.8	40.2	40.5	40.5	40.5	40.7	40.7	40.8	40.8	42.5
9000	20.5	27.1	32.2	35.1	38.9	39.8	40.8	41.2	41.5	41.5	41.5	41.7	41.7	41.8	41.8	43.5
8000	21.3	28.2	33.7	36.7	40.9	41.8	42.9	43.4	43.7	43.7	43.7	43.8	43.8	43.9	43.9	45.6
7000	22.3	30.2	35.8	38.9	43.5	44.5	45.9	46.6	46.9	46.9	46.9	47.1	47.1	47.2	47.2	48.9
6500	24.0	32.0	37.7	41.1	45.8	46.8	48.2	49.1	49.4	49.4	49.4	49.5	49.6	49.8	49.8	51.5
6000	25.4	34.4	40.9	44.7	49.6	50.8	52.2	53.1	53.4	53.4	53.4	53.5	53.6	53.8	53.8	55.5
5500	26.8	37.1	44.2	49.6	54.6	55.8	57.6	58.6	59.1	59.1	59.1	59.2	59.3	59.5	59.5	61.2
5000	28.0	39.1	47.2	53.4	59.3	60.5	62.6	63.6	64.1	64.1	64.1	64.3	64.5	64.6	64.6	66.3
4500	28.5	39.8	47.9	54.9	61.2	62.3	64.8	65.8	66.2	66.2	66.2	66.5	66.6	66.8	66.8	68.5
4000	29.2	41.4	49.6	57.1	63.3	64.6	67.2	68.5	69.0	69.0	69.0	69.3	69.5	69.6	69.6	71.3
3500	30.0	44.2	52.9	60.8	68.0	70.0	73.2	74.5	75.3	75.3	75.3	75.6	75.7	75.9	75.9	77.6
3000	30.0	44.5	53.2	61.3	69.3	71.5	74.8	76.2	77.0	77.0	77.0	77.3	77.5	77.6	77.6	79.3
2900	30.0	45.1	54.2	62.6	71.3	73.5	77.2	78.6	79.6	79.6	79.6	79.9	80.0	80.2	80.2	81.9
2800	30.1	45.8	55.2	64.1	73.3	75.6	79.7	81.2	82.2	82.2	82.2	82.5	82.6	82.7	82.7	84.5
2700	30.1	45.8	55.5	64.3	74.8	77.3	81.6	83.0	84.0	84.0	84.0	84.3	84.5	84.6	84.6	86.3
2600	30.1	45.8	55.6	64.5	75.0	77.7	82.6	84.7	85.7	85.9	86.2	86.4	86.6	86.7	86.7	88.4
2500	30.4	46.1	55.9	64.8	75.3	78.0	83.0	86.2	87.3	87.4	87.7	88.4	88.6	88.7	88.7	90.4
2400	30.4	46.1	55.9	64.8	75.3	78.5	84.0	88.3	90.0	90.4	90.7	91.6	91.7	91.9	91.9	94.0
2300	30.4	46.1	55.9	64.8	75.3	79.0	84.6	89.7	91.6	92.6	92.9	93.7	94.2	94.3	94.3	96.4
2200	30.4	46.1	55.9	64.8	75.3	79.0	84.6	89.9	91.9	92.9	93.3	94.4	95.0	95.3	95.4	97.6
2100	30.4	46.1	55.9	64.8	75.3	79.0	84.6	89.9	91.9	92.9	93.3	94.4	95.1	95.9	96.4	99.9
CLR	30.4	46.1	55.9	64.8	75.3	79.0	84.6	89.9	91.9	92.9	93.3	94.4	95.1	95.9	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 701

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-67,76-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	<¼	
NO CEILING	9.4	14.3	17.0	18.7	21.3	23.2	24.2	24.4	24.5	24.7	24.7	24.7	24.9	25.4	25.4	25.7
≥ 20000	10.4	15.5	18.6	20.3	22.8	24.7	25.7	25.9	26.1	26.4	26.4	26.4	26.6	27.1	27.1	27.4
≥ 18000	10.4	15.5	18.6	20.3	22.8	24.7	25.7	25.9	26.1	26.4	26.4	26.4	26.6	27.1	27.1	27.4
≥ 16000	10.4	15.5	18.6	20.3	22.8	24.7	25.7	25.9	26.1	26.4	26.4	26.4	26.6	27.1	27.1	27.4
≥ 14000	10.6	15.7	18.7	20.4	23.0	24.9	25.9	26.1	26.2	26.6	26.6	26.6	26.7	27.3	27.3	27.6
≥ 12000	10.6	15.8	18.9	20.6	23.2	25.0	26.1	26.2	26.4	26.7	26.7	26.7	26.9	27.4	27.4	27.8
≥ 10000	11.2	16.5	19.6	21.3	23.9	25.7	26.7	26.9	27.1	27.4	27.4	27.4	27.6	28.1	28.1	28.4
≥ 9000	12.1	16.2	21.6	23.5	26.1	27.9	29.0	29.1	29.3	29.6	29.6	29.8	30.0	30.5	30.5	30.8
≥ 8000	12.3	19.4	23.2	25.2	27.8	29.6	30.7	31.0	31.2	31.5	31.5	31.7	31.9	32.4	32.4	32.7
≥ 7000	12.6	20.4	24.2	26.6	29.3	31.5	32.5	32.9	33.2	33.6	33.6	33.7	33.9	34.4	34.4	34.8
≥ 6000	13.3	21.5	25.4	28.1	31.2	33.7	34.9	35.3	35.9	36.3	36.3	36.5	36.6	37.1	37.1	37.5
≥ 5000	13.8	22.7	26.9	29.6	32.7	35.3	36.5	36.8	37.5	37.8	37.8	38.0	38.2	38.7	38.7	39.0
≥ 4500	15.5	24.9	29.5	32.5	36.1	39.2	40.5	40.9	41.6	41.9	41.9	42.1	42.2	42.8	42.8	43.1
≥ 4000	16.9	26.6	31.5	34.8	38.8	42.2	44.0	44.3	45.0	45.3	45.3	45.5	45.7	46.2	46.2	46.5
≥ 3500	17.4	27.3	32.5	36.1	40.4	43.8	45.7	46.0	46.7	47.0	47.0	47.2	47.4	47.9	47.9	48.2
≥ 3000	18.9	29.8	35.1	38.8	43.1	47.0	49.2	49.7	50.6	50.9	50.9	51.1	51.3	51.8	51.8	52.1
≥ 2500	19.6	31.5	37.1	42.2	47.0	51.6	54.2	54.7	55.5	55.9	55.9	56.0	56.2	56.7	56.7	57.2
≥ 2000	19.8	32.9	39.0	44.8	50.1	55.0	57.8	58.3	59.1	59.5	59.5	59.6	59.8	60.3	60.3	60.8
≥ 1800	20.3	34.4	40.5	46.5	52.0	57.1	59.8	60.3	61.2	61.5	61.5	61.7	61.8	62.4	62.4	62.9
≥ 1500	21.0	36.3	42.4	49.4	55.0	60.5	63.2	63.7	64.6	64.9	64.9	65.1	65.2	65.8	65.8	66.3
≥ 1200	21.5	37.8	44.8	52.3	59.6	65.8	68.5	69.2	70.4	70.7	70.7	70.9	71.0	71.6	71.6	72.1
≥ 1000	21.5	38.0	45.7	53.5	61.3	67.6	70.9	71.6	72.7	73.1	73.1	73.3	73.4	73.9	73.9	74.4
≥ 900	21.5	38.2	46.0	54.5	62.7	69.0	72.6	73.3	74.4	74.8	74.8	75.0	75.1	75.6	75.6	76.1
≥ 800	21.6	38.3	46.2	54.9	64.1	70.5	74.3	75.0	76.1	76.5	76.7	76.8	77.2	77.7	77.7	78.2
≥ 700	21.6	38.5	46.7	55.4	65.4	72.4	76.8	77.7	78.9	79.2	79.4	79.6	79.9	80.4	80.4	80.9
≥ 600	21.6	38.5	47.2	55.9	66.8	73.9	78.7	79.6	80.9	81.3	81.8	82.3	82.6	83.1	83.1	83.6
≥ 500	21.8	38.8	47.5	56.2	67.6	75.0	80.7	82.3	83.6	84.2	84.7	85.5	85.9	86.4	86.4	86.9
≥ 400	21.8	38.8	47.5	56.2	67.6	76.1	82.8	85.0	86.5	87.2	87.7	88.9	89.3	89.8	89.8	90.8
≥ 300	21.8	38.8	47.5	56.2	67.6	76.1	83.3	85.5	87.1	88.1	89.3	90.8	91.1	91.7	91.7	92.7
≥ 200	21.8	38.8	47.5	56.2	67.6	76.1	83.5	85.7	87.4	88.6	89.8	91.3	91.7	92.3	92.3	94.2
≥ 100	21.8	39.0	47.7	56.4	67.8	76.3	83.6	85.9	87.6	88.8	89.9	91.7	92.5	94.5	94.9	99.5
0	21.8	39.0	47.7	56.4	67.8	76.3	83.6	85.9	87.6	88.8	89.9	91.7	92.5	94.5	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 587

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-67,76-81 NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING (FEET)	VISIBILITY (STATUTE MILES) ≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	< ¼
NO CEILING	9.4	13.6	15.4	17.5	19.5	20.4	21.1	21.4	21.5	21.7	21.9	21.9	21.9	22.1	22.2	23.1
≥ 20000	10.7	15.0	17.0	19.2	21.3	22.1	22.9	23.2	23.3	23.6	23.7	23.7	23.8	24.0	24.1	25.1
≥ 18000	10.7	15.1	17.0	19.2	21.3	22.2	22.9	23.2	23.4	23.6	23.8	23.8	23.8	24.1	24.2	25.1
≥ 17000	10.8	15.1	17.1	19.3	21.3	22.2	23.0	23.3	23.4	23.7	23.8	23.8	23.9	24.1	24.2	25.1
≥ 16000	10.9	15.3	17.3	19.5	21.5	22.4	23.2	23.5	23.6	23.9	24.0	24.0	24.1	24.3	24.4	25.4
≥ 12000	11.0	15.5	17.5	19.7	21.8	22.7	23.4	23.7	23.9	24.1	24.3	24.3	24.4	24.6	24.7	25.7
≥ 10000	11.5	16.1	18.1	20.3	22.4	23.4	24.1	24.4	24.6	24.8	25.0	25.0	25.1	25.3	25.4	26.4
≥ 9000	12.1	16.9	18.9	21.2	23.4	24.4	25.1	25.4	25.6	25.9	26.1	26.1	26.2	26.4	26.5	27.5
≥ 8000	13.0	18.3	20.4	22.8	25.2	26.2	27.0	27.4	27.6	27.9	28.0	28.1	28.2	28.4	28.5	29.5
≥ 7000	13.5	19.3	21.6	24.1	26.6	27.7	28.6	29.0	29.2	29.5	29.7	29.7	29.8	30.1	30.2	31.2
≥ 6000	14.1	20.4	22.8	25.5	28.1	29.3	30.2	30.7	31.0	31.3	31.5	31.6	31.6	31.9	32.0	33.1
≥ 5000	15.0	21.6	24.2	27.0	29.7	30.9	32.0	32.4	32.8	33.1	33.4	33.4	33.5	33.8	33.9	34.9
≥ 4500	15.7	22.6	25.3	28.3	31.3	32.8	34.0	34.4	34.8	35.2	35.4	35.5	35.5	35.9	35.9	37.0
≥ 4000	17.1	24.5	27.4	30.6	33.8	35.4	36.8	37.4	37.9	38.2	38.4	38.5	38.6	38.9	39.0	40.1
≥ 3500	18.6	26.4	29.5	32.9	36.4	38.1	39.6	40.3	40.8	41.2	41.4	41.5	41.6	41.9	42.0	43.1
≥ 3000	20.5	29.0	32.5	36.3	40.0	41.9	43.5	44.2	44.7	45.2	45.4	45.5	45.6	45.9	46.0	47.1
≥ 2500	22.1	31.5	35.4	39.7	43.9	46.0	47.8	48.6	49.1	49.5	49.8	49.8	49.9	50.3	50.4	51.4
≥ 2000	23.4	34.0	38.3	43.2	48.0	50.1	52.3	53.2	53.8	54.2	54.5	54.6	54.7	55.0	55.1	56.2
≥ 1800	23.8	34.8	39.3	44.5	49.7	51.9	54.1	55.0	55.6	56.1	56.4	56.4	56.5	56.9	57.0	58.1
≥ 1500	25.3	37.9	42.9	48.7	54.3	56.6	59.0	60.1	60.7	61.2	61.4	61.6	61.7	62.0	62.1	63.2
≥ 1200	26.2	40.5	46.5	53.0	59.6	62.2	64.9	66.1	66.8	67.4	67.7	67.8	68.0	68.3	68.4	69.5
≥ 1000	26.5	41.4	48.0	54.9	62.2	65.0	67.8	69.1	69.8	70.5	70.8	71.0	71.1	71.5	71.5	72.7
≥ 900	26.6	41.8	48.7	55.9	63.7	66.7	69.7	71.2	72.0	72.7	73.0	73.2	73.3	73.7	73.7	74.9
≥ 800	26.6	42.1	49.5	57.2	65.6	68.8	72.2	73.7	74.6	75.4	75.7	75.8	76.0	76.4	76.5	77.6
≥ 700	26.8	42.4	50.0	57.9	67.0	70.6	74.3	76.0	77.0	77.8	78.1	78.3	78.4	78.9	79.0	80.1
≥ 600	26.8	42.5	50.3	58.4	68.2	72.2	76.4	78.7	79.7	80.6	81.1	81.3	81.5	81.9	82.0	83.2
≥ 500	26.9	42.6	50.5	58.8	69.1	73.5	78.4	81.3	82.6	83.8	84.3	84.8	85.0	85.5	85.6	86.9
≥ 400	26.9	42.7	50.5	58.9	69.3	74.3	79.9	83.6	85.3	86.9	87.6	88.2	88.5	89.1	89.2	90.8
≥ 300	26.9	42.7	50.5	58.9	69.4	74.5	80.4	84.5	86.4	88.7	89.8	90.5	90.9	91.8	91.9	93.5
≥ 200	26.9	42.7	50.5	58.9	69.4	74.6	80.6	84.9	86.9	89.4	90.8	91.7	92.3	93.6	94.0	97.2
≥ 100	26.9	42.7	50.5	58.9	69.4	74.6	80.6	84.9	87.0	89.5	90.9	91.9	92.6	94.3	94.9	99.9
≥ 0	26.9	42.7	50.5	58.9	69.4	74.6	80.6	84.9	87.0	89.5	90.9	91.9	92.6	94.3	95.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5416

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

I 7120 | SEMBACH AB DL | 64-67,77,79 | DEC

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	<¼	≥0
NO CEILING	2.4	9.9	12.0	13.4	14.7	15.0	15.2	17.9	18.4	18.7	18.7	18.7	18.7	19.5	19.5	19.5
≥ 25000	2.4	9.9	12.0	13.4	14.7	15.0	15.2	17.9	18.4	18.7	18.7	18.7	18.7	19.5	19.5	19.5
≥ 20000	2.4	9.9	12.0	13.4	14.7	15.0	15.2	17.9	18.4	18.7	18.7	18.7	18.7	19.5	19.5	19.5
> 18000	2.4	9.9	12.0	13.4	14.7	15.0	15.2	17.9	18.4	18.7	18.7	18.7	18.7	19.5	19.5	19.5
≥ 14000	2.4	9.9	12.0	13.4	14.7	15.0	15.2	17.9	18.4	18.7	18.7	18.7	18.7	19.5	19.5	19.5
≥ 12000	2.7	10.2	12.3	13.6	15.0	15.2	15.5	18.2	18.7	19.0	19.0	19.0	19.0	19.8	19.8	19.8
≥ 10000	2.7	10.7	12.8	14.2	15.5	15.8	16.0	18.7	19.3	19.5	19.5	19.5	19.5	20.3	20.3	20.3
≥ 9000	2.7	11.0	13.1	14.4	15.8	16.0	16.3	19.0	19.5	19.8	19.8	19.8	19.8	20.6	20.6	20.6
≥ 8000	2.9	12.3	14.7	16.0	17.4	17.6	17.9	20.6	21.1	21.4	21.4	21.4	21.4	22.2	22.2	22.2
≥ 7000	3.5	14.4	17.4	19.5	21.1	21.4	21.7	24.3	24.9	25.1	25.1	25.1	25.1	25.9	25.9	25.9
≥ 6000	3.5	16.8	20.1	22.5	25.9	26.2	26.5	29.1	29.7	29.9	29.9	29.9	29.9	30.7	30.7	30.7
≥ 5000	3.5	17.6	20.9	23.3	27.3	28.1	28.3	31.0	31.6	31.8	31.8	31.8	31.8	32.6	32.6	32.6
≥ 4500	3.7	18.2	21.9	24.6	28.6	29.4	29.7	32.4	32.9	33.7	33.7	33.7	33.7	34.5	34.5	34.8
≥ 4000	4.3	22.5	26.2	28.9	32.9	33.7	34.0	36.6	37.2	38.0	38.0	38.0	38.0	38.8	38.8	39.0
≥ 3500	4.5	24.9	28.9	32.1	36.1	37.2	37.4	40.1	40.6	41.4	41.4	41.4	41.4	42.2	42.2	42.5
≥ 3000	5.1	27.0	31.0	34.5	38.5	39.6	39.8	42.5	43.0	43.9	43.9	43.9	43.9	44.7	44.7	44.9
≥ 2500	5.3	30.2	34.2	38.0	42.5	43.9	44.4	47.1	47.6	48.7	48.7	48.9	48.9	49.7	49.7	50.0
≥ 2200	5.3	32.1	36.4	40.4	46.0	47.6	48.4	51.1	51.6	52.7	52.7	52.9	52.9	53.7	53.7	54.0
≥ 1800	5.3	34.0	38.2	42.2	48.4	50.3	51.1	53.7	54.3	55.3	55.3	55.6	55.6	56.4	56.4	56.7
≥ 1500	5.3	36.4	41.7	46.0	52.7	54.8	55.6	58.3	58.8	59.9	59.9	60.2	60.2	61.0	61.0	61.2
≥ 1200	5.3	39.0	47.1	51.6	58.6	61.2	63.1	65.8	66.3	67.4	67.4	67.6	67.6	68.4	68.4	68.7
≥ 1000	5.3	40.1	49.5	55.6	63.1	65.8	67.6	70.3	70.9	71.9	71.9	72.2	72.2	73.0	73.0	73.3
≥ 900	5.3	40.4	50.3	56.4	64.2	67.9	70.1	72.7	73.3	74.3	74.3	74.6	74.6	75.4	75.4	75.7
≥ 800	5.3	41.4	52.1	59.1	67.1	71.1	73.3	76.2	76.7	77.8	77.8	78.1	78.1	78.9	78.9	79.1
≥ 700	5.3	42.0	53.5	61.2	69.5	74.1	76.5	79.7	80.2	81.3	81.3	81.6	81.6	82.4	82.4	82.6
≥ 600	5.3	42.0	54.0	61.6	70.1	74.9	78.1	81.3	81.8	82.9	83.2	83.4	83.4	84.2	84.2	84.5
≥ 500	5.3	42.0	54.0	62.0	70.6	76.2	79.7	82.9	83.4	84.5	84.8	85.0	85.3	86.1	86.1	86.4
≥ 400	5.3	42.0	54.3	62.3	71.1	77.3	81.3	84.5	85.0	86.1	86.6	86.9	87.2	88.0	88.0	88.8
≥ 300	5.3	42.0	54.3	62.3	71.1	77.3	83.2	86.9	88.2	89.3	90.4	90.6	90.9	91.7	91.7	92.5
≥ 200	5.3	42.0	54.3	62.3	71.1	77.5	83.7	87.7	89.3	90.9	92.2	92.5	93.0	93.9	94.1	97.1
> 0	5.3	42.0	54.3	62.3	71.1	77.5	83.7	87.7	89.3	90.9	92.2	92.5	93.0	93.4	94.7	100.0
≥ 0	5.3	42.0	54.3	62.3	71.1	77.5	83.7	87.7	89.3	90.9	92.2	92.5	93.0	93.4	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 374

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥	≥	≥	≥				
NO CEILING	5.9	13.0	14.0	15.2	16.1	16.9	17.7	17.9	17.9	17.9	17.9	17.9	17.9	18.7	18.7	18.7
≥ 20000	6.1	13.4	14.4	15.7	16.5	17.3	18.1	18.3	18.3	18.3	18.3	18.3	18.3	19.1	19.1	19.1
≥ 18000	6.1	13.4	14.4	15.7	16.5	17.3	18.1	18.3	18.3	18.3	18.3	18.3	18.3	19.1	19.1	19.1
≥ 16000	6.1	13.4	14.4	15.7	16.5	17.3	18.1	18.3	18.3	18.3	18.3	18.3	18.3	19.1	19.1	19.1
≥ 14000	6.1	13.4	14.4	15.7	16.7	17.5	18.3	18.5	18.5	18.5	18.5	18.5	18.5	19.3	19.3	19.3
≥ 12000	6.3	13.6	14.6	15.9	16.9	17.7	18.5	18.7	18.7	18.7	18.7	18.7	18.7	19.5	19.5	19.5
≥ 10000	6.3	13.6	14.8	16.1	17.1	17.9	18.7	18.9	18.9	18.9	18.9	18.9	18.9	19.7	19.7	19.7
≥ 9000	6.3	13.6	14.8	16.1	17.1	17.9	18.7	18.9	18.9	18.9	18.9	18.9	18.9	19.7	19.7	19.7
≥ 8000	6.9	14.2	15.4	16.7	17.7	18.5	19.3	19.5	19.5	19.5	19.5	19.5	19.5	20.3	20.3	20.3
≥ 7000	7.5	15.7	16.9	18.1	19.1	19.9	20.7	20.9	20.9	20.9	20.9	20.9	20.9	21.7	21.7	21.7
≥ 6000	7.7	18.1	19.3	20.7	22.6	23.4	24.6	24.8	24.8	24.8	24.8	24.8	24.8	25.6	25.6	25.6
≥ 5000	8.5	19.3	20.5	22.0	24.2	25.2	26.4	26.6	26.6	26.6	26.6	26.6	26.6	27.6	27.6	27.6
≥ 4500	9.3	20.7	22.0	23.8	26.2	27.2	28.5	28.7	28.7	28.7	28.7	28.7	28.7	29.7	29.7	29.7
≥ 4000	10.4	22.6	24.0	26.0	28.5	30.1	31.7	31.9	32.1	32.1	32.1	32.1	32.1	33.1	33.1	33.1
≥ 3500	11.6	25.4	27.2	29.5	32.3	34.1	36.0	36.6	36.8	36.8	36.8	36.8	36.8	37.8	37.8	37.8
≥ 3000	12.2	26.8	28.9	31.3	34.6	36.6	38.4	39.0	39.4	39.4	39.4	39.4	39.4	40.4	40.4	40.4
≥ 2500	12.8	30.1	32.3	34.8	38.6	41.3	43.3	43.9	44.3	44.3	44.3	44.3	44.3	45.3	45.3	45.3
≥ 2000	14.6	35.0	37.6	40.7	44.9	47.6	49.6	50.2	50.6	50.6	50.6	50.6	50.8	51.8	51.8	51.8
≥ 1800	14.6	36.4	39.2	42.5	47.0	49.8	51.8	52.4	52.8	52.8	52.8	52.8	53.0	54.1	54.1	54.1
≥ 1500	15.4	38.8	41.9	45.5	50.2	53.7	55.9	56.7	57.1	57.1	57.1	57.1	57.3	58.3	58.3	58.3
≥ 1200	16.3	42.5	48.0	52.0	57.5	62.0	64.8	66.3	66.7	66.9	66.9	66.9	67.1	68.1	68.1	66.1
≥ 1000	16.9	44.5	50.4	55.3	60.8	65.7	69.3	70.7	71.1	71.3	71.3	71.3	71.5	72.6	72.6	72.6
≥ 900	17.3	45.1	51.4	57.1	62.8	67.9	71.5	73.0	73.4	73.6	73.6	73.6	73.8	74.8	74.8	74.8
≥ 800	17.7	45.7	52.4	58.9	65.	70.1	73.8	75.2	75.6	75.8	75.8	75.8	76.0	77.0	77.0	77.0
≥ 700	17.7	45.9	53.7	60.8	67.1	72.6	76.6	78.0	78.5	78.7	78.7	78.7	78.9	79.9	79.9	79.9
≥ 600	17.9	46.1	54.5	61.6	68.5	74.2	78.5	80.7	81.1	81.5	81.5	81.5	82.1	83.1	83.1	83.1
≥ 500	17.9	46.1	55.1	62.8	70.1	75.8	81.1	83.3	83.7	84.1	84.1	84.1	85.0	86.0	86.0	86.2
≥ 400	17.9	46.1	55.3	63.0	70.7	76.6	82.5	85.2	86.0	86.4	86.4	86.6	87.4	88.4	88.4	88.8
≥ 300	17.9	46.1	55.3	63.0	70.7	77.0	84.3	87.6	88.6	89.6	89.8	90.2	91.1	92.7	92.7	93.1
≥ 200	17.9	46.1	55.3	63.0	70.7	77.0	84.6	88.4	90.2	91.7	91.9	92.3	93.1	94.7	95.1	97.0
≥ 100	17.9	46.1	55.3	63.0	70.7	77.0	84.6	88.4	90.2	91.7	92.1	92.5	93.3	95.7	96.3	100.0
≥ 0	17.9	46.1	55.3	63.0	70.7	77.0	84.6	88.4	90.2	91.7	92.1	92.5	93.3	95.7	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 492

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7123 SEMBACH AB DL 64-67,76-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0600-0800

CEILING FEET	≥10	6	5	4	3	2½	2	1½	1¼	1	¾	½	¼	0
NO CEILING	6.6	12.4	13.9	14.3	15.8	16.1	16.9	17.9	18.3	18.5	18.5	18.5	18.5	18.9	18.9	19.8
≥ 20000	7.2	13.1	14.9	15.3	17.1	17.3	18.1	19.1	19.5	19.8	19.8	19.8	19.8	20.2	20.2	21.0
≥ 18000	7.2	13.1	14.9	15.3	17.1	17.3	18.1	19.1	19.5	19.8	19.8	19.8	19.9	20.3	20.3	21.1
≥ 5000	7.2	13.1	14.9	15.3	17.1	17.3	18.1	19.1	19.5	19.8	19.8	1 .8	19.9	20.3	20.3	21.1
≥ 14000	7.2	13.1	14.9	15.3	17.1	17.3	18.1	19.1	19.5	19.8	19.8	19.8	19.9	20.3	20.3	21.1
≥ 12000	7.3	13.3	15.3	15.4	17.2	17.5	18.3	19.2	19.6	19.9	19.9	19.9	20.0	20.4	20.4	21.2
≥ 10000	7.6	13.5	15.3	15.7	17.5	17.7	18.5	19.5	19.9	20.2	20.2	20.2	20.3	20.7	20.7	21.5
≥ 9000	7.8	13.8	15.8	16.2	18.0	18.4	19.2	20.2	20.6	20.8	20.8	20.8	21.3	21.4	21.4	22.2
≥ 8000	8.9	15.4	17.6	18.0	19.8	20.2	21.1	22.3	22.7	23.0	23.1	23.1	23.3	23.7	23.7	24.5
≥ 7000	9.5	16.4	18.7	19.1	21.2	21.9	22.9	24.1	24.5	24.8	24.9	24.9	25.0	25.4	25.4	26.3
≥ 6000	9.7	17.3	19.9	20.4	23.1	23.8	24.8	26.1	26.5	26.8	26.9	26.9	27.1	27.5	27.5	28.3
≥ 5000	10.0	18.0	20.6	21.1	24.2	25.0	26.0	27.3	27.7	28.0	28.1	28.1	28.3	28.7	28.7	29.5
≥ 4500	12.0	20.2	23.4	24.0	27.2	28.1	29.2	30.7	31.1	31.4	31.5	31.5	31.7	32.1	32.1	32.9
≥ 4000	13.1	21.5	25.0	25.7	29.2	30.3	31.7	33.6	34.1	34.4	34.5	34.5	34.6	35.0	35.0	35.9
≥ 3500	13.9	23.4	27.3	28.4	32.2	33.4	34.9	36.8	37.3	37.6	37.8	37.8	37.9	38.4	38.4	39.2
≥ 3000	14.7	25.4	29.4	30.4	35.0	36.5	38.3	40.3	40.9	41.1	41.3	41.3	41.4	41.9	41.9	42.8
≥ 2500	16.9	29.6	34.1	35.7	41.3	42.9	44.8	46.8	47.4	47.8	47.9	47.9	48.0	48.6	48.6	49.4
≥ 2000	18.5	32.5	37.6	39.2	44.9	46.7	48.6	50.6	51.2	51.6	51.7	51.7	52.0	52.5	52.5	53.3
≥ 1800	19.2	33.7	39.0	41.0	46.7	48.4	50.5	52.5	53.0	53.5	53.6	53.6	53.9	54.4	54.4	55.2
≥ 1500	20.6	36.1	41.8	44.0	50.1	51.8	54.0	56.2	56.8	57.4	57.5	57.5	57.8	58.3	58.3	59.1
≥ 1200	22.7	40.6	47.8	50.2	56.4	59.3	62.2	64.7	65.5	66.2	66.3	66.3	66.6	67.1	67.1	67.9
≥ 1000	23.3	42.1	49.7	52.5	59.1	62.1	65.6	68.2	69.0	69.7	69.8	69.8	70.1	70.6	70.6	71.4
≥ 900	24.2	43.4	51.4	54.7	61.7	64.7	68.3	71.2	72.0	72.7	72.8	72.8	73.1	73.6	73.6	74.4
≥ 800	24.9	44.2	52.8	56.6	64.5	67.9	71.7	74.7	75.8	76.5	76.6	76.6	76.9	77.4	77.4	78.2
≥ 700	24.9	44.5	53.2	57.9	66.2	69.7	74.0	77.0	78.3	79.0	79.2	79.2	79.4	80.0	80.0	80.8
≥ 600	25.2	44.8	53.9	58.9	67.7	71.3	75.9	79.0	80.6	81.7	81.9	81.9	82.3	83.1	83.2	84.0
≥ 500	25.2	44.8	53.9	59.3	68.5	72.3	77.4	80.4	82.3	83.5	83.8	84.0	84.6	85.4	85.5	86.5
≥ 400	25.3	45.1	54.1	59.5	69.1	73.2	79.6	83.1	85.3	86.9	87.1	87.8	88.4	89.3	89.4	90.4
≥ 300	25.3	45.1	54.1	59.5	69.3	73.7	80.4	84.6	87.3	89.3	89.7	90.7	91.3	92.4	92.6	93.6
≥ 200	25.3	45.1	54.1	59.5	69.3	73.7	80.5	84.8	87.8	90.0	90.5	91.7	92.6	94.5	95.1	97.4
≥ 100	25.3	45.1	54.1	59.5	69.3	73.7	80.5	84.8	88.0	90.3	90.8	92.2	93.0	95.1	95.8	100.0
≥ 0	25.3	45.1	54.1	59.5	69.3	73.7	80.5	84.8	88.0	90.3	90.8	92.2	93.0	95.1	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 739

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-67,76-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 0900-1100

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥7	≥6	≥5	≥4	≥3	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥0					
NO CEILING	6.7	10.4	10.9	11.8	13.5	14.6	15.1	15.5	15.5	15.6	15.7	15.7	15.7	15.7	15.8	16.4	
≥ 25000	7.6	11.4	12.0	13.0	14.7	15.8	16.6	17.0	17.0	17.2	17.3	17.3	17.3	17.3	17.4	17.9	
≥ 8000	7.7	11.7	12.2	13.2	14.9	16.0	16.8	17.4	17.4	17.5	17.6	17.6	17.6	17.6	17.7	18.3	
≥ 6000	7.7	11.7	12.2	13.2	14.9	16.0	16.8	17.4	17.4	17.5	17.6	17.6	17.6	17.6	17.7	18.3	
≥ 4400	7.8	11.8	12.3	13.3	15.0	16.1	17.0	17.6	17.6	17.7	17.8	17.8	17.8	17.8	17.9	18.5	
≥ 3000	8.0	12.2	12.8	13.8	15.5	16.6	17.7	18.3	18.3	18.4	18.5	18.5	18.5	18.5	18.6	19.2	
≥ 2200	8.3	12.8	13.6	14.7	16.4	17.5	18.7	19.3	19.3	19.4	19.5	19.5	19.5	19.5	19.6	20.2	
≥ 1800	9.0	13.5	14.2	15.4	17.0	18.2	19.5	20.1	20.1	20.3	20.4	20.4	20.4	20.4	20.5	21.1	
≥ 1400	10.0	14.9	16.1	17.4	19.2	20.3	21.9	22.4	22.4	22.6	22.8	22.8	22.8	22.8	22.9	23.4	
≥ 1000	10.7	16.1	17.6	18.9	21.0	22.3	24.1	25.0	25.1	25.3	25.4	25.4	25.4	25.4	25.6	26.1	
≥ 800	11.1	16.8	18.3	19.6	21.6	23.0	24.9	25.8	25.9	26.1	26.2	26.2	26.2	26.2	26.3	26.9	
≥ 600	12.0	18.2	20.0	21.4	23.5	24.9	26.8	27.8	27.9	28.1	28.3	28.3	28.3	28.3	28.4	28.9	
≥ 450	12.8	19.3	21.3	22.8	25.0	26.6	28.6	29.6	29.7	29.9	30.0	30.0	30.0	30.0	30.2	30.7	
≥ 400	14.1	21.0	23.2	24.8	27.4	28.9	31.1	32.1	32.2	32.4	32.5	32.5	32.5	32.5	32.6	33.2	
≥ 350	15.4	23.0	25.7	27.5	30.4	32.1	34.4	35.5	35.7	35.9	36.0	36.0	36.0	36.0	36.1	36.7	
≥ 300	16.4	24.6	27.5	29.4	32.7	34.4	36.8	37.9	38.1	38.3	38.5	38.5	38.5	38.6	38.7	39.2	
≥ 250	18.3	28.4	31.6	33.7	37.7	39.3	41.9	43.5	43.7	43.9	44.1	44.1	44.1	44.2	44.3	44.8	
≥ 220	21.1	32.6	36.3	38.9	43.2	45.0	47.5	49.1	49.3	49.8	50.0	50.0	50.1	50.2	50.3	50.9	
≥ 180	21.5	33.2	36.9	39.8	44.3	46.2	48.9	50.4	50.7	51.1	51.3	51.3	51.6	51.7	51.8	52.4	
≥ 150	23.5	36.8	41.8	45.1	50.4	52.4	55.2	56.7	57.1	57.6	57.8	57.8	58.1	58.2	58.3	58.9	
≥ 120	25.7	40.8	47.3	51.0	57.1	59.3	62.3	64.0	64.6	65.2	65.6	65.6	65.8	65.9	66.0	66.6	
≥ 100	26.0	42.0	49.4	53.3	60.1	62.3	65.6	67.4	68.2	69.2	69.5	69.6	70.0	70.1	70.2	70.7	
≥ 90	26.5	43.0	50.4	54.8	62.8	65.0	68.4	70.4	71.2	72.3	72.6	72.8	73.2	73.3	73.4	74.0	
≥ 80	26.6	43.4	51.7	57.0	65.6	67.8	71.5	73.5	74.7	76.2	76.7	76.8	77.5	77.6	77.7	78.4	
≥ 70	26.7	43.8	52.6	58.0	67.4	69.8	73.7	75.8	77.0	78.8	79.6	80.0	80.8	80.9	81.1	81.7	
≥ 60	26.8	44.5	53.5	59.0	69.2	71.7	75.8	78.3	79.8	82.1	83.1	83.5	84.4	84.8	84.9	85.5	
≥ 50	26.8	44.6	53.6	59.3	69.7	72.5	77.0	79.6	81.2	84.1	85.2	85.7	86.5	87.2	87.3	88.3	
≥ 40	26.8	44.6	53.6	59.3	70.1	73.1	77.8	80.8	82.5	85.9	87.2	87.9	88.8	89.6	89.7	91.0	
≥ 30	26.8	44.6	53.6	59.3	70.2	73.4	78.4	82.0	84.3	88.0	89.9	90.9	92.0	92.8	92.9	95.0	
≥ 20	26.8	44.6	53.6	59.3	70.2	73.4	78.5	82.3	84.9	88.7	90.6	92.2	93.3	94.6	95.0	98.0	
≥ 10	26.8	44.6	53.6	59.3	70.2	73.4	78.5	82.3	84.9	88.7	90.6	92.2	93.3	94.7	95.1	100.0	
≥ 0	26.8	44.6	53.6	59.3	70.2	73.4	78.5	82.3	84.9	88.7	90.6	92.2	93.3	94.7	95.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 892

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-67,76-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1200-1400

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥	≥	≥	≥	≥	≥	≥	≥	≥	≥
NO CEILING	9.7	12.3	13.1	14.1	15.0	15.4	15.5	15.7	15.7	15.7	15.8	15.8	15.8	15.9	16.0	16.2	
≥ 20000	12.2	15.3	16.1	17.3	18.6	19.0	19.2	19.4	19.4	19.4	19.5	19.5	19.5	19.6	19.7	19.9	
≥ 18000	12.2	15.3	16.1	17.3	18.6	19.0	19.2	19.5	19.5	19.5	19.6	19.6	19.6	19.7	19.8	20.0	
≥ 16000	12.2	15.4	16.2	17.4	18.7	19.1	19.4	19.6	19.6	19.6	19.7	19.7	19.7	19.8	19.9	20.1	
≥ 14000	12.2	15.4	16.2	17.4	18.7	19.1	19.4	19.6	19.6	19.6	19.7	19.7	19.7	19.8	19.9	20.1	
≥ 12000	12.4	15.8	16.6	17.8	19.0	19.7	19.9	20.1	20.1	20.1	20.2	20.2	20.2	20.4	20.5	20.7	
≥ 10000	12.5	16.2	17.2	18.5	19.8	20.6	20.9	21.1	21.1	21.1	21.3	21.3	21.3	21.4	21.5	21.7	
≥ 9000	13.3	16.8	17.8	19.0	20.4	21.1	21.5	21.8	21.8	21.9	22.1	22.1	22.1	22.3	22.4	22.6	
≥ 8000	14.0	18.3	19.4	20.7	22.1	22.9	23.4	23.8	23.8	23.9	24.2	24.2	24.2	24.3	24.4	24.6	
≥ 7000	14.4	18.9	19.9	21.4	22.9	23.7	24.2	24.6	24.6	24.7	24.9	24.9	24.9	25.1	25.2	25.4	
≥ 6000	15.4	20.6	21.7	23.2	24.8	25.6	26.1	26.5	26.5	26.6	26.8	26.8	26.8	27.0	27.1	27.3	
≥ 5000	15.7	21.1	22.6	24.0	26.0	26.7	27.2	27.6	27.6	27.7	28.0	28.0	28.0	28.1	28.2	28.4	
≥ 4500	16.1	21.6	23.2	24.6	26.7	27.5	28.0	28.4	28.4	28.5	28.7	28.7	28.7	28.9	29.0	29.2	
≥ 4000	18.0	23.9	25.5	27.5	29.9	30.6	31.1	31.5	31.5	31.7	31.9	31.9	31.9	32.0	32.1	32.3	
≥ 3500	18.7	26.1	28.1	30.2	32.6	33.6	34.2	34.8	35.0	35.2	35.6	35.6	35.6	35.7	35.8	36.0	
≥ 3000	20.0	28.5	30.8	33.0	35.7	36.7	37.5	38.3	38.5	38.8	39.1	39.1	39.1	39.3	39.4	39.6	
≥ 2500	22.3	32.3	34.8	37.2	40.4	41.4	42.5	43.8	44.2	44.6	45.0	45.0	45.0	45.1	45.2	45.4	
≥ 2000	25.7	38.1	40.9	43.6	47.2	48.3	49.4	51.0	51.3	51.8	52.1	52.2	52.2	52.3	52.5	52.7	
≥ 1800	26.3	39.5	42.4	45.3	49.0	50.1	51.2	52.8	53.1	53.6	53.9	54.0	54.0	54.1	54.3	54.5	
≥ 1500	28.3	43.6	47.2	50.9	54.8	55.9	57.5	59.2	59.5	60.1	60.4	60.5	60.5	60.6	60.7	61.0	
≥ 1200	30.2	47.9	53.1	57.8	62.0	63.2	65.0	66.7	67.1	67.8	68.1	68.2	68.2	68.3	68.5	68.7	
≥ 1000	30.6	49.4	55.7	60.6	65.5	67.2	69.4	71.3	72.0	72.9	73.3	73.4	73.4	73.5	73.6	73.8	
≥ 900	30.9	50.1	56.5	61.7	67.4	69.1	71.5	73.5	74.3	75.2	75.6	76.0	76.0	76.1	76.2	76.4	
≥ 800	31.1	50.6	57.5	63.4	69.9	71.6	74.2	76.8	78.0	78.9	79.3	79.6	79.6	79.9	80.0	80.4	
≥ 700	31.1	50.7	57.7	63.9	71.1	72.9	76.0	79.1	80.3	81.5	82.0	82.3	82.4	82.7	82.8	83.2	
≥ 600	31.1	51.0	58.1	64.4	72.4	74.5	78.0	81.4	82.9	84.6	85.3	85.8	86.0	86.4	86.5	86.9	
≥ 500	31.1	51.3	58.5	65.3	73.9	76.4	80.2	84.3	86.0	88.3	89.0	89.7	89.9	90.5	90.7	91.2	
≥ 400	31.1	51.3	58.5	65.3	74.2	76.7	80.6	85.0	86.8	89.5	90.3	91.1	91.4	92.3	92.5	93.3	
≥ 300	31.1	51.3	58.5	65.3	74.2	76.8	81.0	85.7	87.5	90.4	91.8	93.2	94.1	95.2	95.6	96.8	
≥ 200	31.1	51.3	58.5	65.3	74.2	76.8	81.0	85.8	87.6	90.7	92.3	93.8	94.9	96.5	97.3	99.3	
≥ 100	31.1	51.3	58.5	65.3	74.2	76.8	81.0	85.8	87.6	90.7	92.3	93.8	94.9	96.5	97.3	100.0	
≥ 0	31.1	51.3	58.5	65.3	74.2	76.8	81.0	85.8	87.6	90.7	92.3	93.8	94.9	96.5	97.3	100.0	

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 (STATION) SEMBACH AB DL (STATION NAME) 67-67,76-81 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY (STATUTE MILE)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0	
NO CEILING	11.2	13.8	14.8	16.0	16.8	17.0	17.2	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.5	17.5
≥ 20000	12.7	15.2	16.3	17.7	19.4	19.7	20.2	20.3	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5
≥ 18000	13.0	15.6	16.7	18.0	19.7	20.0	20.5	20.6	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 16000	13.0	15.6	16.7	18.0	19.7	20.0	20.5	20.6	20.6	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 14000	13.0	15.6	16.8	18.1	19.8	20.2	20.6	20.7	20.8	21.1	21.1	21.1	21.1	21.1	21.1	21.1
≥ 12000	13.2	15.8	17.2	18.6	20.4	20.7	21.2	21.3	21.4	21.7	21.8	21.8	21.8	21.8	21.8	21.8
≥ 10000	14.2	16.8	18.4	19.7	22.2	22.5	23.0	23.1	23.2	23.5	23.6	23.6	23.6	23.6	23.6	23.6
≥ 9000	14.7	17.4	18.9	20.4	23.0	23.4	23.9	24.1	24.2	24.5	24.6	24.6	24.6	24.6	24.6	24.6
≥ 8000	15.1	18.4	20.2	21.7	24.3	24.7	25.3	25.5	25.6	26.0	26.1	26.1	26.1	26.1	26.1	26.1
≥ 7000	16.1	19.5	21.5	23.1	25.8	26.2	26.8	27.0	27.1	27.4	27.5	27.5	27.5	27.5	27.5	27.5
≥ 6000	17.1	21.1	23.4	25.1	27.8	28.2	28.8	29.0	29.1	29.5	29.6	29.6	29.6	29.6	29.6	29.6
≥ 5000	17.5	21.5	24.4	26.2	29.1	29.6	30.1	30.3	30.5	30.8	30.9	30.9	30.9	30.9	30.9	30.9
≥ 4500	18.3	22.5	25.5	27.3	30.3	30.8	31.4	31.6	31.7	32.0	32.1	32.1	32.1	32.1	32.1	32.1
≥ 4000	19.1	23.9	27.5	29.7	32.9	33.4	33.9	34.2	34.3	34.8	34.9	34.9	34.9	34.9	34.9	34.9
≥ 3500	21.3	26.8	30.5	32.6	35.8	36.3	37.0	37.3	37.5	38.1	38.2	38.2	38.2	38.2	38.2	38.2
≥ 3000	24.3	30.6	34.5	36.8	40.4	40.9	41.7	42.3	42.6	43.1	43.4	43.4	43.4	43.4	43.4	43.4
≥ 2500	27.2	35.2	39.3	42.4	46.8	47.4	48.2	48.9	49.2	49.7	50.1	50.1	50.1	50.1	50.1	50.1
≥ 2000	29.7	38.9	43.7	47.4	52.0	52.5	53.3	54.1	54.3	54.9	55.3	55.3	55.3	55.3	55.3	55.3
≥ 1800	30.2	39.9	44.8	48.5	53.3	53.9	54.6	55.4	55.7	56.2	56.7	56.7	56.7	56.7	56.7	56.7
≥ 1500	32.3	43.2	48.8	53.0	58.0	58.7	59.8	60.7	60.9	61.5	61.9	61.9	61.9	61.9	61.9	61.9
≥ 1200	34.0	47.3	54.1	59.0	64.9	66.0	67.3	68.3	68.6	69.2	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1000	34.7	48.2	55.9	61.3	68.5	70.2	71.6	72.6	73.0	73.9	74.5	74.5	74.6	74.6	74.6	74.6
≥ 900	34.7	48.6	56.9	62.5	70.7	72.3	73.9	74.9	75.6	76.7	77.3	77.4	77.5	77.5	77.5	77.5
≥ 800	34.7	49.3	57.8	63.7	72.2	74.2	76.3	77.6	78.6	80.1	80.6	80.9	81.0	81.0	81.0	81.0
≥ 700	34.7	49.3	57.9	64.4	73.3	75.6	78.1	79.4	80.6	82.4	83.0	83.5	83.8	83.8	83.8	83.8
≥ 600	34.8	49.5	58.1	64.8	74.5	76.7	80.1	81.5	83.0	85.0	85.8	86.3	86.6	86.7	86.7	86.7
≥ 500	34.8	49.8	58.6	65.3	75.6	78.2	81.5	83.4	85.3	87.9	88.8	89.4	89.9	90.3	90.3	90.3
≥ 400	34.8	49.8	58.6	65.4	75.7	78.5	81.9	84.1	86.5	89.1	90.3	91.0	91.6	92.2	92.6	92.9
≥ 300	34.8	49.8	58.6	65.4	75.8	78.6	82.0	84.3	86.9	89.6	91.0	91.8	92.7	93.7	94.2	95.0
≥ 200	34.8	49.8	58.6	65.4	75.8	78.6	82.0	84.5	87.1	89.8	91.4	92.3	93.7	95.4	96.0	98.1
≥ 100	34.8	49.8	58.6	65.4	75.8	78.6	82.0	84.5	87.1	89.8	91.4	92.4	93.8	95.9	96.5	100.0
≥ 0	34.8	49.8	58.6	65.4	75.8	78.6	82.0	84.5	87.1	89.8	91.4	92.4	93.8	95.9	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1 7120 SEMBACH AB DL 64-67,76-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 1800-2000

CEILING FEET	VISIBILITY IN STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0		
NO CEILING	6.1	9.9	12.1	13.7	16.3	16.6	17.1	17.3	17.4	17.6	17.7	17.7	18.1	18.4	18.4	18.5
≥ 20000	7.9	11.8	14.1	15.8	19.0	19.3	19.9	20.1	20.3	20.5	20.8	20.8	21.2	21.5	21.5	21.6
≥ 18000	8.2	12.1	14.4	16.1	19.3	19.6	20.1	20.4	20.5	20.8	21.1	21.1	21.5	21.8	21.8	21.9
≥ 17000	8.2	12.1	14.4	16.1	19.3	19.6	20.1	20.4	20.5	20.8	21.1	21.1	21.5	21.8	21.8	21.9
≥ 14000	8.3	12.2	14.6	16.2	19.5	19.7	20.3	21.0	21.1	21.4	21.6	21.6	22.0	22.3	22.3	22.4
≥ 12000	8.3	12.2	14.7	16.5	19.7	20.0	20.5	21.2	21.4	21.6	21.9	21.9	22.3	22.6	22.6	22.7
≥ 10000	9.7	13.7	16.2	18.2	21.6	21.9	22.4	23.1	23.3	23.5	23.8	23.8	24.2	24.5	24.5	24.6
≥ 9000	9.8	13.9	16.5	18.5	21.9	22.3	22.9	23.5	23.7	23.9	24.2	24.2	24.6	24.9	24.9	25.0
≥ 8000	11.0	15.5	18.2	20.3	23.7	24.1	24.6	25.3	25.6	26.0	26.3	26.3	26.7	26.9	26.9	27.1
≥ 7000	11.4	16.5	19.2	21.2	24.6	25.0	25.6	26.3	26.5	26.9	27.2	27.2	27.6	27.9	27.9	28.0
≥ 6000	11.4	17.4	20.1	22.2	26.0	26.5	27.1	27.8	28.0	28.4	28.7	28.7	29.1	29.4	29.4	29.5
≥ 5000	11.7	18.0	20.7	22.7	26.7	27.2	27.8	28.4	28.7	29.1	29.4	29.4	29.8	30.1	30.1	30.2
≥ 4500	12.1	19.0	22.0	24.2	28.3	29.0	29.5	30.2	30.5	30.9	31.2	31.2	31.6	31.8	31.8	32.0
≥ 4000	12.9	21.4	24.9	27.8	31.8	32.5	33.2	33.9	34.1	34.6	34.8	34.8	35.2	35.5	35.5	35.6
≥ 3500	13.9	22.9	26.8	30.2	35.1	35.8	36.6	37.8	38.1	38.5	38.8	38.8	39.2	39.5	39.5	39.6
≥ 3000	16.1	26.0	30.2	33.9	39.3	40.0	41.2	42.4	42.7	43.1	43.4	43.4	43.8	44.1	44.1	44.2
≥ 2500	18.1	29.9	34.7	38.6	44.4	45.0	46.4	47.8	48.0	48.4	48.7	48.7	49.1	49.4	49.4	49.5
≥ 2000	19.0	33.2	38.5	43.5	49.9	50.7	52.1	53.5	53.9	54.3	54.6	54.6	55.0	55.2	55.2	55.4
≥ 1800	19.3	34.3	39.6	44.8	51.2	52.0	53.3	54.7	55.1	55.5	55.8	55.8	56.2	56.5	56.5	56.6
≥ 1500	20.4	37.3	43.1	49.4	56.6	57.6	59.3	60.8	61.2	61.9	62.2	62.3	62.7	63.0	63.0	63.1
≥ 1200	21.6	40.4	47.5	55.1	63.1	64.2	66.3	67.9	68.3	69.0	69.3	69.4	69.8	70.1	70.1	70.2
≥ 1000	21.9	41.1	49.3	57.4	66.0	67.8	70.3	72.0	72.4	73.1	73.6	73.7	74.1	74.4	74.4	74.6
≥ 900	21.9	41.1	49.5	58.4	67.2	69.7	72.7	74.3	74.8	75.5	76.1	76.2	76.6	76.9	76.9	77.0
≥ 800	21.9	41.9	50.7	59.6	69.0	71.4	74.6	76.3	77.0	77.7	78.4	78.5	78.9	79.2	79.2	79.3
≥ 700	21.9	42.2	51.0	60.0	69.8	72.7	76.5	78.2	79.0	80.1	80.8	81.0	81.6	81.9	81.9	82.0
≥ 600	22.0	42.3	51.2	60.3	70.5	74.0	78.0	79.7	80.8	82.0	82.7	82.9	83.7	83.9	83.9	84.1
≥ 500	22.2	42.6	51.6	61.2	72.7	76.3	80.7	82.9	84.2	85.4	86.1	86.3	87.2	87.6	87.6	87.8
≥ 400	22.2	42.6	51.6	61.4	72.9	76.6	81.2	83.8	85.3	87.1	87.8	87.9	89.0	89.5	89.5	89.7
≥ 300	22.2	42.6	51.6	61.4	72.9	76.9	82.0	84.9	86.5	88.7	89.5	89.7	91.2	92.2	92.4	92.8
≥ 200	22.2	42.6	51.6	61.4	72.9	76.9	82.3	85.4	87.1	90.5	91.8	92.1	93.6	95.2	95.5	96.7
000	22.2	42.6	51.6	61.4	72.9	76.9	82.3	85.4	87.1	90.5	92.0	92.2	94.0	95.9	96.3	100.0
	22.2	42.6	51.6	61.4	72.9	76.9	82.3	85.4	87.1	90.5	92.0	92.2	94.0	95.9	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 735

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7120 SEMBACH AB DL 64-67,76-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS 2100-2300

CEILING (FEET)	VISIBILITY (STATUTE MILES)																
	≥ 0	≥ ¼	≥ ½	≥ ¾	≥ 1	≥ 1¼	≥ 1½	≥ 1¾	≥ 2	≥ 2½	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10
NO CEILING	4.4	9.7	11.2	13.0	15.1	15.1	16.1	16.9	16.9	16.9	17.2	17.2	17.6	17.9	17.9	18.2		
≥ 20000	6.1	11.5	13.0	14.8	17.1	17.1	18.1	19.0	19.0	19.4	19.7	19.7	20.0	20.4	20.5	20.9		
≥ 18000	6.1	11.5	13.0	14.8	17.1	17.1	18.1	19.0	19.0	19.4	19.7	19.7	20.0	20.4	20.5	20.9		
≥ 17000	6.1	11.5	13.0	14.8	17.1	17.1	18.1	19.0	19.0	19.4	19.7	19.7	20.0	20.4	20.5	20.9		
≥ 16000	6.1	11.5	13.0	14.8	17.1	17.1	18.1	19.4	19.4	19.7	20.0	20.0	20.4	20.7	20.9	21.2		
≥ 15000	6.2	11.7	13.1	15.1	17.4	17.4	18.4	19.7	19.7	20.0	20.4	20.4	20.7	21.0	21.2	21.5		
≥ 14000	7.6	13.0	14.8	16.7	19.0	19.0	20.0	21.3	21.3	21.7	22.0	22.0	22.3	22.7	22.8	23.2		
≥ 13000	7.7	13.3	15.1	17.1	19.4	19.4	20.4	21.7	21.7	22.0	22.3	22.3	22.7	23.0	23.2	23.5		
≥ 12000	9.0	15.1	16.9	18.9	21.2	21.2	22.2	23.5	23.5	23.8	24.1	24.1	24.5	24.8	25.0	25.3		
≥ 11000	9.9	16.7	18.7	20.9	23.2	23.2	24.1	25.5	25.6	25.9	26.4	26.4	26.8	27.1	27.3	27.6		
≥ 10000	9.9	18.2	20.2	22.3	25.1	25.1	26.1	27.4	27.8	28.1	28.6	28.6	28.9	29.2	29.4	29.7		
≥ 9000	10.2	19.0	21.0	23.2	25.9	25.9	26.9	28.2	28.6	29.1	29.6	29.6	29.9	30.2	30.4	30.7		
≥ 8000	10.8	20.2	22.2	24.8	27.8	28.1	29.2	30.5	30.9	31.4	31.9	31.9	32.2	32.8	33.0	33.5		
≥ 7000	10.8	21.8	24.1	27.1	30.0	30.4	31.7	33.0	33.3	33.8	34.3	34.3	34.6	35.3	35.5	36.0		
≥ 6000	12.2	24.1	26.8	30.5	33.8	34.2	35.5	37.1	37.4	37.9	38.4	38.4	38.8	39.4	39.6	40.1		
≥ 5000	14.0	28.4	31.2	35.0	39.2	39.7	41.1	42.7	43.0	43.5	44.0	44.0	44.3	45.0	45.2	45.6		
≥ 4500	15.1	31.2	34.5	38.6	43.0	43.5	45.3	47.0	47.5	47.9	48.4	48.4	48.8	49.4	49.6	50.1		
≥ 4000	16.1	34.3	38.3	42.7	47.6	48.4	50.4	52.2	52.9	53.4	53.9	53.9	54.2	54.8	55.0	55.5		
≥ 3500	16.6	35.6	39.7	44.7	49.9	51.2	53.4	55.3	56.0	56.5	57.0	57.0	57.3	58.0	58.1	58.6		
≥ 3000	17.2	37.1	41.9	47.5	53.2	54.7	57.1	59.1	59.8	60.3	60.8	60.8	61.1	61.7	61.9	62.4		
≥ 2500	17.7	39.7	45.6	52.2	58.6	60.3	62.7	64.9	65.5	66.0	66.5	66.5	66.8	67.5	67.7	68.1		
≥ 2200	17.9	40.4	47.0	55.0	61.6	63.4	66.0	68.3	69.0	69.5	70.0	70.0	70.3	70.9	71.1	71.6		
≥ 2000	17.9	40.9	47.9	56.5	63.7	65.8	68.6	71.1	71.8	72.2	72.7	72.7	73.1	73.7	73.9	74.4		
≥ 1800	18.2	41.5	49.1	57.8	65.8	68.3	7 .8	74.4	75.0	75.7	76.4	76.4	76.7	77.3	77.5	78.0		
≥ 1600	18.4	41.9	50.2	59.3	68.5	71.1	75.0	77.7	78.5	79.1	80.0	80.0	80.3	81.0	81.1	81.6		
≥ 1400	18.4	41.9	50.4	59.6	69.5	72.6	76.8	79.8	80.6	81.6	82.4	82.4	82.8	83.4	83.6	84.1		
≥ 1200	18.4	41.9	50.4	59.8	70.6	74.2	79.5	82.8	83.7	84.7	85.6	85.6	85.9	86.7	86.9	87.4		
≥ 1000	18.4	41.9	50.6	59.9	70.8	74.7	80.8	84.1	85.6	86.7	87.5	87.5	87.8	88.7	88.8	89.3		
≥ 900	18.4	41.9	50.6	59.9	70.8	75.0	81.1	84.6	86.0	88.2	89.5	89.5	90.1	91.1	91.6	92.3		
≥ 800	18.4	41.9	50.6	59.9	70.8	75.0	81.1	84.6	86.4	89.2	91.0	91.5	92.8	94.1	94.7	96.9		
≥ 700	18.4	41.9	50.6	59.9	70.8	75.0	81.1	84.6	86.4	89.2	91.0	91.6	92.9	94.6	95.2	99.8		
< 700	18.4	41.9	50.6	59.9	70.8	75.0	81.1	84.6	86.4	89.2	91.0	91.6	92.9	94.6	95.2	100.0		

TOTAL NUMBER OF OBSERVATIONS 609

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] SEMBACH AB DL 64-67,76-81 DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

[illegible]	7.2	11.6	12.8	13.9	15.4	15.8	16.4	16.9	17.0	17.1	17.2	17.2	17.3	17.5	17.6	17.9
[illegible]	8.5	13.0	14.3	15.5	17.3	17.8	18.4	19.0	19.1	19.3	19.4	19.4	19.5	19.7	19.8	20.1
[illegible]	8.6	13.1	14.4	15.7	17.5	17.9	18.5	19.1	19.2	19.4	19.5	19.5	19.6	19.9	20.0	20.2
[illegible]	8.6	13.1	14.5	15.7	17.5	17.9	18.6	19.2	19.3	19.4	19.5	19.5	19.7	19.9	20.0	20.3
[illegible]	8.6	13.2	14.5	15.7	17.6	18.0	18.6	19.3	19.5	19.6	19.7	19.7	19.8	20.1	20.2	20.5
[illegible]	8.8	13.4	14.8	16.1	17.9	18.4	19.0	19.7	19.9	20.1	20.2	20.2	20.3	20.6	20.6	20.9
[illegible]	9.4	14.1	15.7	17.0	19.0	19.5	20.2	20.9	21.0	21.2	21.3	21.3	21.4	21.7	21.7	22.0
[illegible]	9.7	14.5	16.1	17.4	19.4	20.0	20.7	21.4	21.6	21.8	21.9	21.9	22.1	22.3	22.4	22.7
[illegible]	10.6	15.9	17.7	19.1	21.1	21.7	22.5	23.2	23.4	23.6	23.8	23.8	23.9	24.2	24.2	24.5
[illegible]	11.2	17.1	19.0	20.5	22.6	23.3	24.1	24.9	25.1	25.4	25.6	25.6	25.7	25.9	26.0	26.3
[illegible]	11.7	18.5	20.5	22.1	24.6	25.3	26.2	27.0	27.2	27.5	27.6	27.6	27.8	28.0	28.1	28.4
[illegible]	12.1	19.3	21.5	23.1	25.9	26.6	27.5	28.4	28.6	28.8	29.0	29.0	29.1	29.4	29.4	29.7
[illegible]	12.9	20.4	22.8	24.6	27.5	28.3	29.3	30.2	30.3	30.7	30.8	30.8	30.9	31.3	31.3	31.6
[illegible]	13.9	22.4	25.1	27.1	30.2	31.1	32.2	33.1	33.4	33.7	33.9	33.9	34.0	34.3	34.4	34.7
[illegible]	15.1	24.6	27.6	30.0	33.4	34.4	35.6	36.7	37.0	37.4	37.6	37.6	37.7	38.0	38.1	38.4
[illegible]	16.6	27.2	30.5	33.0	36.8	37.9	39.3	40.5	40.8	41.2	41.4	41.4	41.5	41.9	41.9	42.3
[illegible]	18.4	31.0	34.6	37.5	41.9	43.1	44.6	46.1	46.4	46.8	47.1	47.1	47.2	47.5	47.6	47.9
[illegible]	20.4	34.9	39.0	42.3	47.1	48.5	50.0	51.5	51.9	52.4	52.6	52.7	52.8	53.2	53.3	53.6
[illegible]	20.9	36.1	40.2	43.8	48.8	50.2	51.8	53.4	53.7	54.2	54.5	54.5	54.7	55.0	55.1	55.4
[illegible]	22.3	39.1	44.0	48.0	53.5	55.1	57.0	58.6	59.0	59.5	59.8	59.9	60.0	60.4	60.4	60.8
[illegible]	23.8	42.8	49.3	54.1	60.1	62.1	64.4	66.1	66.6	67.3	67.5	67.6	67.8	68.1	68.2	68.5
[illegible]	24.2	44.0	51.3	56.7	63.4	65.7	68.3	70.1	70.7	71.5	71.8	71.9	72.1	72.5	72.5	72.9
[illegible]	24.4	44.6	52.2	58.1	65.4	67.9	70.7	72.7	73.3	74.2	74.5	74.6	74.9	75.2	75.3	75.6
[illegible]	24.7	45.3	53.4	59.8	67.7	70.4	73.5	75.6	76.5	77.5	77.9	78.0	78.3	78.7	78.7	79.1
[illegible]	24.7	45.5	54.0	60.8	69.3	72.2	75.7	78.0	79.1	80.2	80.7	80.9	81.3	81.7	81.7	82.1
[illegible]	24.8	45.8	54.5	61.4	70.5	73.7	77.6	80.2	81.4	82.8	83.5	83.7	84.2	84.7	84.7	85.1
[illegible]	24.8	45.9	54.7	62.0	71.7	75.2	79.6	82.4	83.8	85.6	86.2	86.6	87.2	87.8	87.9	88.3
[illegible]	24.8	46.0	54.8	62.1	72.1	75.8	80.5	83.7	85.3	87.4	88.2	88.7	89.3	90.1	90.2	90.9
[illegible]	24.8	46.0	54.8	62.1	72.1	76.0	81.2	84.8	86.7	89.1	90.3	91.0	91.9	92.9	93.2	94.2
[illegible]	24.8	46.0	54.8	62.1	72.1	76.0	81.4	85.1	87.3	90.0	91.4	92.3	93.5	95.0	95.5	97.7
[illegible]	24.8	46.0	54.8	62.1	72.1	76.0	81.4	85.1	87.3	90.1	91.5	92.5	93.6	95.5	96.0	100.0
	24.8	46.0	54.8	62.1	72.1	76.0	81.4	85.1	87.3	90.1	91.5	92.5	93.6	95.5	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5628

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71[illegible] SEMBACH AB DL 64-68,76-81 ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

	19.9	27.5	29.3	30.8	32.6	33.1	33.9	34.4	34.6	35.0	35.1	35.1	35.2	35.4	35.5	35.9	
	22.6	30.4	32.4	33.9	35.9	36.5	37.3	37.9	38.1	38.4	38.6	38.6	38.7	38.9	39.0	39.5	
	22.7	30.5	32.5	34.1	36.0	36.6	37.4	38.0	38.3	38.6	38.7	38.8	38.9	39.1	39.2	39.6	
	22.7	30.6	32.5	34.1	36.1	36.7	37.5	38.1	38.3	38.6	38.8	38.8	38.9	39.1	39.2	39.7	
	23.0	30.8	32.8	34.4	36.4	37.0	37.8	38.4	38.6	39.0	39.1	39.2	39.3	39.4	39.5	40.0	
	23.5	31.5	33.6	35.2	37.2	37.8	38.6	39.2	39.5	39.8	39.9	40.0	40.1	40.3	40.4	40.8	
	24.7	33.2	35.3	36.9	39.0	39.7	40.5	41.2	41.4	41.6	41.9	42.0	42.1	42.3	42.4	42.8	
	25.7	34.7	36.9	38.6	40.7	41.4	42.3	42.9	43.2	43.6	43.7	43.8	43.9	44.1	44.2	44.7	
	27.9	37.9	40.3	42.2	44.6	45.3	46.3	47.0	47.3	47.7	47.9	47.9	48.0	48.3	48.3	48.9	
	29.4	40.3	42.9	45.0	47.5	48.3	49.3	50.1	50.4	50.8	51.0	51.0	51.2	51.4	51.5	52.0	
	30.5	42.4	45.2	47.4	50.0	50.9	52.0	52.8	53.1	53.5	53.7	53.7	53.9	54.1	54.2	54.7	
	32.0	44.4	47.3	49.6	52.5	53.3	54.5	55.3	55.7	56.1	56.3	56.4	56.5	56.7	56.8	57.3	
	33.4	46.2	49.3	51.8	54.7	55.7	56.9	57.8	58.1	58.6	58.8	58.9	59.0	59.2	59.3	59.9	
	35.3	48.9	52.2	54.8	58.0	59.0	60.3	61.2	61.6	62.1	62.3	62.4	62.5	62.7	62.8	63.4	
	37.2	51.5	55.0	57.8	61.2	62.3	63.7	64.7	65.1	65.6	65.8	65.9	66.0	66.3	66.4	66.9	
	39.2	54.2	58.0	61.1	64.8	65.9	67.4	68.4	68.9	69.4	69.6	69.7	69.8	70.1	70.2	70.7	
	40.7	56.7	60.8	64.0	68.1	69.2	70.9	72.0	72.4	73.0	73.2	73.3	73.4	73.7	73.8	74.3	
	42.2	59.1	63.6	67.2	71.6	72.9	74.7	75.8	76.3	76.9	77.1	77.2	77.3	77.6	77.7	78.3	
	42.5	59.8	64.3	68.1	72.6	74.0	75.8	77.0	77.5	78.0	78.3	78.4	78.5	78.8	78.9	79.5	
	43.5	61.6	66.6	70.6	75.6	77.0	79.0	80.3	80.8	81.4	81.7	81.8	82.0	82.2	82.3	82.9	
	44.2	63.3	68.7	73.3	78.8	80.3	82.6	84.1	84.6	85.3	85.6	85.7	85.9	86.2	86.3	86.8	
	44.5	63.9	69.7	74.5	80.4	82.1	84.6	86.1	86.7	87.4	87.7	87.8	88.0	88.3	88.4	89.0	
	44.6	64.2	70.1	75.1	81.3	83.0	85.6	87.2	87.9	88.6	88.9	89.1	89.2	89.5	89.6	90.2	
	44.7	64.5	70.6	75.9	82.3	84.2	86.9	88.6	89.3	90.1	90.4	90.6	90.7	91.0	91.2	91.7	
	44.8	64.7	70.9	76.3	83.1	85.0	87.9	89.7	90.5	91.4	91.7	91.9	92.1	92.4	92.5	93.1	
	44.8	64.7	71.1	76.6	83.6	85.7	88.7	90.7	91.5	92.5	92.9	93.1	93.3	93.6	93.7	94.3	
	44.8	64.8	71.2	76.8	84.0	86.2	89.4	91.6	92.6	93.7	94.1	94.3	94.5	94.9	95.0	95.6	
	44.9	64.8	71.2	76.8	84.2	86.4	89.9	92.2	93.3	94.6	95.1	95.3	95.6	96.0	96.2	96.9	
	44.9	64.8	71.2	76.8	84.2	86.5	90.1	92.6	93.7	95.2	95.8	96.1	96.5	97.0	97.2	98.0	
	44.9	64.8	71.2	76.8	84.2	86.5	90.1	92.7	93.9	95.5	96.2	96.6	97.0	97.7	98.0	99.2	
	44.9	64.8	71.2	76.8	84.2	86.5	90.1	92.7	93.9	95.5	96.2	96.6	97.1	97.9	98.2	99.9	
	44.9	64.8	71.2	76.8	84.2	86.5	90.1	92.7	93.9	95.5	96.2	96.6	97.1	97.9	98.2	100.0	

TOTAL NUMBER OF OBSERVATIONS 7C871

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

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.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

E

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.

3

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

DAILY TEMPERATURES

1... SEMBACH AB DL — 53-72, 76-81

STATION — STATION NAME — YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV	DEC	ANNUAL
≥ [illegible]							.5						.0
≥ [illegible]						.6	2.6	.6	.1				.3
≥ [illegible]					.3	2.4	8.5	3.5	.7				1.3
≥ [illegible]				.6	1.8	9.9	19.2	12.2	3.1				4.0
≥ [illegible]				1.4	9.5	25.1	35.5	27.2	10.7	.7			9.4
≥ [illegible]			.3	5.5	21.9	44.6	53.9	49.5	30.2	3.3	.1		17.8
≥ [illegible]5		.1	2.4	13.4	37.8	65.3	75.8	75.7	52.5	11.9	.3		28.5
≥ [illegible]		1.3	8.0	27.8	60.3	86.5	94.3	95.5	78.3	32.3	1.8	.4	41.3
≥ [illegible]5	.3	4.2	19.6	47.4	82.5	96.8	99.9	100.0	94.5	55.9	9.6	1.3	51.9
≥ [illegible]	3.1	13.0	39.2	70.1	95.5	99.6	100.0		99.5	82.2	24.4	8.1	62.1
≥ 4[illegible]	12.9	28.0	61.8	88.0	99.3	100.0			100.0	95.4	49.4	22.1	72.2
≥ [illegible]	27.5	47.8	80.5	98.9	100.0					99.5	72.4	38.9	81.[illegible]
≥ 3[illegible]	54.5	69.6	91.5	99.9						100.0	90.5	65.3	89.6
≥ [illegible]	77.5	85.9	98.5	100.0							99.2	84.9	95.7
≥ 2[illegible]	89.2	95.4	99.6								100.0	94.6	98.3
≥ [illegible]0	96.3	97.8	100.0									98.7	99.4
≥ 15	99.1	99.4										99.7	99.9
≥ [illegible]	100.0	99.9										100.0	100.0
≥ [illegible]		100.0											100.0
≥													
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MEAN	15.0	39.0	47.0	54.6	62.5	68.6	71.5	70.1	65.4	55.9	44.3	37.7	54.3
S.D.	3.241	9.142	8.736	8.620	8.376	8.177	8.427	7.290	7.245	7.189	7.387	8.143	15.143
TOTAL OBS.	703	667	739	715	730	717	757	773	746	762	717	743	8769

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

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

DAILY TEMPERATURES

120 STATION ...EMBACH AB DL STATION NAME 53-72, 76-81 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

"MINIMUM"

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV	DEC	ANNUAL
[illegible]								.1					.0
75							.4						.0
[illegible]						.3	.8	.3	.1				.1
65						1.4	3.6	1.0	.3				.5
60					1.0	7.8	19.3	11.8	2.7	.3	.1		3.7
55			.1	.8	7.5	31.8	47.4	43.1	19.6	3.4	.4		13.2
[illegible]		.4	1.9	6.3	28.1	66.1	84.3	79.6	52.1	18.4	3.3	.7	29.1
45	1.0	3.0	8.3	21.7	56.4	90.8	96.2	95.2	76.5	42.3	10.5	3.0	42.9
[illegible]	6.3	13.5	23.4	42.8	80.0	98.9	99.7	99.6	93.3	65.1	29.1	12.2	56.1
35	20.6	27.3	51.6	73.3	96.3	100.0	100.0	100.0	99.7	87.1	55.5	31.0	70.9
30	30.7	38.7	61.7	82.2	98.1				99.9	93.3	65.4	41.0	76.5
25	48.2	54.9	74.7	92.6	99.5				100.0	98.2	84.4	60.3	84.8
20	67.0	73.8	87.1	99.7	100.0					99.9	96.2	78.1	92.1
15	80.5	86.4	95.4	100.0						100.0	99.2	88.2	95.9
10	90.6	91.2	99.2								100.0	95.7	98.1
5	95.4	94.9	99.6									98.5	99.1
0	98.9	97.6	100.0									100.0	99.7
-5	99.6	99.4											99.9
-10	100.0	99.7											100.0
[illegible]		100.0											100.0
MEAN	27.3	29.1	34.0	38.8	45.4	51.7	54.5	53.3	49.1	42.7	35.8	30.5	41.0
S.D.	8.981	9.563	7.925	6.603	6.388	5.495	5.722	5.266	5.930	6.889	6.780	6.367	11.753
TOTAL OBS.	703	667	739	715	730	717	757	773	746	762	717	743	8769

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

3

...L PAL CLIMATOLOGY BRANCH
...AFETAC
A... WEATHER SERVICE/MAC
...120 STATION ...EMBACH AB DL STATION NAME 53-72, 76-81 YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

...LAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT.	NOV.	DEC	ANNUAL
≥						.4	1.2	.1					.1
≥ 75						1.7	5.2	1.4	.1				.7
≥ 7...					1.1	7.1	18.0	10.1	2.0				3.3
≥ 65				.8	7.5	26.2	38.6	31.7	11.5	1.3	.1		10.1
≥ 6...			.3	3.9	21.9	53.3	69.0	63.0	35.3	4.1			21.4
≥ 55		.4	2.4	13.8	46.6	83.4	94.1	93.4	68.8	21.8	1.4	.1	36.3
≥ 50	.1	3.1	11.6	35.9	74.4	97.5	100.0	99.7	92.4	49.1	9.5	1.9	48.8
≥ 45	4.0	11.2	33.2	59.9	93.7	99.9		100.0	99.5	77.7	27.1	10.0	60.5
≥ 4...	15.1	27.7	59.4	86.0	99.6	100.0			100.0	95.3	53.1	26.5	72.6
≥ 35	38.1	52.6	81.1	98.6	100.0					99.5	80.6	50.2	83.9
≥ 30	63.4	73.3	90.1	100.0						100.0	95.1	75.2	91.7
≥ 25	79.7	87.7	97.7								99.3	88.7	96.2
≥ 20	90.5	94.0	99.7								100.0	96.2	98.4
≥ 15	96.2	96.7	99.9									98.8	99.3
≥ 10	99.3	98.8	100.0									99.9	99.8
≥ 5	100.0	99.7										100.0	100.0
≥ 0		99.9											100.0
≥ -5		100.0											100.0
MEAN	31.4	34.3	40.8	47.0	59.2	60.4	63.2	62.0	57.5	49.5	40.3	34.3	47.9
S.D.	8.209	8.986	7.713	6.798	6.581	6.114	6.374	5.446	5.672	6.145	6.643	7.968	13.064
TOTAL OBS.	703	667	739	715	730	717	757	773	746	762	717	743	8769

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

10120 — STATION
RAMSTEIN AB DL — STATION NAME
53-72, 76-81 — YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
53							* 84	91	87	73	57	64	
54	51	46	62	62	81	86	79	87	81	70	59	49	87
55	51	48	69	80	79	84	90	81	77	65	66	52	90
56	51	38	64	66	84	74	85	82	74	77	50	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	53	52	85
59	55	58	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	55	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	93	91	82	67	56	52	93
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	54	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*	76*	68*	61*	50	* 86
71	* 45*	45*	53*	76*	81*	76*	88*	90*	76*	72*	59*	54	* 90
72	* 49*	50*	65*	61*	72*	81*	85*	83*	74*	63*	61*	52	* 85
76		57	62	71	84	91	93	84	77*	73*	57*	50	
77	* 53*	55	68	66*	78*	89*	87	80*	78*	73*	62*	53	* 89
78	* 44*	55	60	66*	75	82*	86	82*	75*	73*	50*	53	* 86
79	* 41*	48	53	68	84	84	86*	84*	81*	75*	55*	57	86
80	* 46*	54	59*	70*	70	81*	82	86	77*	64*	57*	50	86
81	* 46*	48	66	72*	79	81*	86*	84*	73*	68*	59*	48	* 86
MEAN	49.8	52.6	61.7	70.1	78.4	83.5	86.6	85.0	80.5	69.7	57.1	52.3	89.2
S.D.	4.648	9.201	5.704	5.671	3.278	4.071	5.678	3.839	4.836	4.217	3.770	4.200	3.926
TOTAL OBS	703	667	739	715	730	717	757	773	746	762	717	743	8769

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

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

7122 STATION | SEMBACH AB DL STATION NAME | 53-72, 76-81 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
53							* 45	45	37	32	26	25	
54	3	0	24	29	34	43	41	44	34	30	23	24	0
55	13	5	9	26	30	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	35	43	42	35	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	43	44	42	38	27	16	25	9
66	3	26	24	29	36	43	45	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	43*	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*	46*	42*	44*	37*	34*	28*	13	* 8
71	* 8*	21*	8*	30*	41*	42*	39*	44*	35*	28*	30*	23	* 8
72	* 8*	14*	26*	26*	37*	39*	46*	42*	35*	21*	24*	15	* 8
76		23	17	26	32	42	46	44	42*	32*	28*	10	
77	* 24*	23	23	28*	33*	42*	39	44*	42*	35*	21*	23	* 21
78	* 24*	8	28	28*	37	39*	48	39*	35*	33*	23*	15	* 8
79	* 5*	21	32	30	33	46	41*	41*	36*	34*	28*	27	* 5
80	* 12*	27	28*	32*	37	43*	43	41	43*	36*	25*	14	* 12
81	* 14*	18	30	28*	30	45*	48*	43*	37*	34*	23*	16	* 14
MEAN	8.2	14.4	22.0	28.1	32.4	41.6	44.8	42.5	38.4	29.3	24.1	17.4	5.4
S.D.	7.466	9.993	6.866	3.161	3.001	2.873	3.107	2.416	3.334	2.374	4.998	6.833	5.529
TOTAL OBS	703	667	739	715	730	717	757	773	746	762	717	743	8769

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A) (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 — STATION
SEMBACH AB DL — STATION NAME
65-68,80 — YEARS
JAN — MONTH

0000-2200 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4 / 47		.8		.5														5	5		
4 / 45		2.4		1.1														13	13	4	
47 / 43		1.1	1.3															9	9	8	7
42 / 41		7.0	.5															28	28	14	3
45 / 39	.5	4.0	1.1															21	21	31	14
3 / 37	.3	7.5	2.2															37	37	23	18
/ 35	2.2	8.6	.5															42	42	49	30
3 / 33	1.9	8.1	.3															38	38	44	61
2 / 31	1.1	8.9	.5															39	39	34	40
0 / 29	1.6	5.4	.8															29	29	31	30
2 / 27	2.2	2.7																18	18	29	27
/ 25	1.3	1.6																11	11	19	34
2 / 23	.8	1.1																7	7	8	13
2 / 21	.8	3.8																17	17	9	11
/ 19	.5	2.7																12	12	19	9
/ 17		2.7																10	10	9	5
1 / 15	.8	2.7																13	13	14	11
/ 13	.3	1.9																8	8	7	19
1 / 11	.5	.8																5	5	7	11
10 / 9	.8																	3	3	6	9
/ 7	.8	.3																4	4	3	9
/ 5	.8																	3	3	4	4
/ 3																					4
/ 1																					3
TOTAL	17.2	73.9	7.3	1.6															372		372
																		372		372	

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.	2691872	31526	84.7	7.366	372							
Dry Bulb	392754	11588	31.2	9.256	372		44.7					93
Wet Bulb	360459	11105	29.9	8.834	372		49.7					93
Dew Point	306362	10068	27.1	9.556	372		59.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

107120	SEMBACH AB DL	65-68,77-81	JAN
STATION	STATION NAME	YEARS	MONTH

PAGE 1 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 51		.2																1	1		
5 / 49																				1	
- / 47		.4		.4														4	4		1
4 / 45		1.3	.2	.4														9	9	5	
4/ 43		1.7	1.0															13	13	5	5
2/ 41		5.4	.6															29	29	19	6
4 / 39	.4	4.8	1.0	.2														31	31	32	14
3 / 37	1.0	5.9	.6															36	36	28	29
- / 35	1.0	7.1	1.3	.2														46	46	39	31
3 / 33	2.5	7.7	1.5															56	56	59	61
2/ 31	1.7	10.3	.4															59	59	61	38
0/ 29	.8	6.3	.2															35	35	60	52
2 / 27	2.1	5.4		.2														37	38	34	47
- / 25	.6	2.7																16	16	23	41
2 / 23	.2	2.7																14	14	11	28
2/ 21	1.0	2.5	.6															20	20	16	21
2/ 19	.4	2.7	.2															16	16	18	12
1 / 17	.4	1.0																7	7	17	10

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

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L. S. T.)

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				

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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

14/ 13 .2 2.7 14 14 15 14
1./ 11 .5 1.7 12 12 17 8
/ .2 .2

PSYCHROMETRIC SUMMARY

/ 7 .2 1 1 1 16
/ 5 1.0 5 5 5 5
/ 3 .4 2 2 2 3

STATION 1 .4 STATION NAME YEARS 2 2 2 MONTH 5

/ -1 1
- / -3 HOURS L. S. T. 2

Temp. (F)	15.974.9 7.7 1.5	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL 479	TOTAL 478	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point

34828.9 40621 85.3 8.034 478
486134 14622 30.5 9.119 479 49.3 93
445195 13973 29.2 8.775 478 56.4 93
379053 12665 26.5 9.548 478 .6 64.4 93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13120 | SEMBACH AB DE | 65-68,77-81 | JAN
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
5 / 49		.1																1	1		
- / 47		.4		.3														5	5	1	
4 / 45		1.6	.4	.1														15	15	7	1
4/ 43		2.1	.3															17	17	9	12
2/ 41		2.9	1.7	.1														33	33	19	4
4 / 39	.3	3.7	1.3	.1														38	38	36	18
3 / 37	.3	4.7	.1	.3														38	38	40	28
- / 35	.7	6.3	1.0	.6														60	60	50	36
3 / 33	4.-	8.2	2.4	.1														103	103	68	69
- / 31	2.1	10.2	.1															87	87	102	68
2/ 29	1.3	8.2	.1															67	67	93	57
- / 27	2.7	4.6		.3														53	53	51	98
- / 25	.1	5.0	.1															37	37	72	55
- / 23		2.4																17	17	26	43
2/ 21	2.1	1.4	.4															28	28	35	28
/ 19	1.1	2.0																22	22	25	27
- / 17	.4	1.3																12	12	16	22
1 / 15	.1	2.3																17	17	15	25
- / 13	.1	1.4																11	11	13	9
1 / 11	.4	1.3																12	12	16	15
0/ 9	1.3	.4																12	12	10	26
/ 7	.4	.1																4	4	5	16
/ 5																				1	7
- / 3	.9																	6	6	6	1
/ 1																					5
/ -1	.4																	3	3	3	5
- / -5																					3
TOTAL	19.1	70.8	8.2	2.0															698		698
																		698		698	

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.	5100891	59361	85.-	8.685	698							
Dry Bulb	691877	21093	30.2	8.840	698	.4	51.7					93
Wet Bulb	635844	20222	29.0	8.468	698	.4	59.7					93
Dew Point	537357	18269	26.2	9.216	698	1.1	70.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DE STATION NAME | 66-68,77-81 YEARS | JAN MONTH

PAGE 1 0900-1100 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
[illegible] / [illegible]				.1														1	1		
[illegible] / [illegible]				.1														1	1		
[illegible] / 47		.6	.1	.5														10	10		
[illegible] / 48		1.7	.4	.1														18	18	11	
47 / 43		1.7	1.2	.1	.2													27	27	15	12
[illegible] / 4[illegible]		2.5	1.1	.1	.1													31	31	26	9
[illegible] / 7[illegible]	.5	4.8	1.1	.1														53	53	35	23
7 / 77	1.[illegible]	4.8	.2	.4														52	52	[illegible]8	32
[illegible] / 38	1.2	6.6	1.6	.7														83	83	69	67
3 / 33	3.2	7.4	4.3															121	121	102	80
[illegible] / 31	2.[illegible]	7.5	1.1															86	86	118	83
[illegible] / [illegible]	1.8	6.6	.4															65	65	87	62
[illegible] / 27	2.6	5.5	.9	.1														74	74	69	108
[illegible] / 25	.6	3.2	.1															32	32	44	59
[illegible] / 23	.5	2.9	.2															30	30	26	71
2[illegible] / 21	1.6	2.9																37	37	43	69
[illegible] / 19	1.3	1.[illegible]																19	19	32	34
[illegible] / 17	.4	1.7																17	17	15	29
1 / 15	.5	1.3																15	15	21	40
[illegible] / 13	.2	1.0																10	10	10	12
1 / 11	.6	.5																9	9	[illegible]	12
[illegible] / [illegible]	1.3	.4																14	14	16	26
[illegible] / 7	.4	.2																5	5	3	7
[illegible] / 5	.2																	2	2	4	12
[illegible] / 3	.1	.1																2	2	1	3
[illegible] / 1																				1	7
[illegible] / -[illegible]	.1																	1	1	1	
-[illegible] / -3	.1																	1	1	1	1
[illegible] / -7																					1
[illegible] / -9																					1
TOTAL	10.5	65.0	12.7	2.5	.4														816		816
																		816		816	

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.	5809583	68393	83.8	9.734	816							
Dry Bulb	841311	25243	30.9	8.610	816	.2	47.8					93
Wet Bulb	764102	24070	29.5	8.147	816	.2	57.0					93
Dew Point	636630	21604	26.5	8.907	816	.3	68.0					93

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

GLOBAL ... BRANCH
USAFET...
A... ...RVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
...1..	... ...CH AB DL	65-6?,77-81	JAN

PAGE 1 — 1200-1400 HOURS (L.S.T.)

Temp. (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
4/ 53					.4													3	3		
2/ 51				.6														5	5		
5./ 49		.1	.5	.6														10	10		
/ 47		.6	.1	.6														11	11	2	
4 / 45		1.5	1.6	.2	.2													29	29	26	4

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

PSYCHROMETRIC SUMMARY

STATION	88888888888	STATION NAME	0000	555555555555	YEARS	0000	88888888
	888888888888		00000000	555555555555		00000000	88888888
	88	88	000 000	55		000 000	88 HOURS 88

Temp. (F)	DRY BULB TEMPERATURE DEPRESSION (F)																										TOTAL W.B.	TOTAL Dry Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	31	32 -											
	88888888888					00	00	00			5555555555				00	00	00										888888		
	888888888888					00	00	00			5555555555				00	00	00										8888888886		
	88		88			00	00	00					55		00	00		00									888	888	
	88		88			0000		000					55		0000			000									88	88	
	8		88			000		000			55		55		000			000									888	888	
	8886	88888888				0000000					5555555555				0000000												8888888886		
	888888888888					0000					55555555				0000												88888888		

* * * * * * UNIVAC 1100 TIME/SHARING EXEC --- MULTI-PROCESSOR SYSTEM --- LEV. 36R20*06 S

Element (X)	$\Sigma_{X'}$	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	RUN ID * 805068		USER ID *			PART NUMBER * CC			INPUT DEVICE * CR2			
Wet Bulb												
Dew Point	FILE NAME * LSTFIL5				CREATED AT: 19:09:48 JUL 23,1982							PRINTED

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

PSYCHROMETRIC SUMMARY

STATION | STATION NAME | YEARS | MONTH

HOURS (L. S. T.)

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

123456789 1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678

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

PSYCHROMETRIC SUMMARY

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS (L. S. T.)

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				

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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17712O — STATION
SEMBACH AB DL — STATION NAME
65-68,8U — YEARS
JAN — MONTH

PAGE 1
0000-0200 — HOURS (L. S. T.)

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				
- / 47		.8		.5														5	5		
4 / 45		2.4		1.1														13	13	4	
4/ 43		1.1	1.3															9	9	8	7
2/ 41		7.0	.5															28	28	14	3
4 / 39	.5	4.0	1.1															21	21	31	14
3 / 37	.3	7.5	2.2															37	37	23	18
/ 35	2.2	8.6	.5															42	42	49	33
3 / 33	1.9	8.1	.3															38	38	44	61
/ 31	1.1	8.9	.5															39	39	34	40
/ 29	1.6	5.4	.8															29	29	31	35
3 / 27	2.2	2.7																18	18	29	27
/ 25	1.3	1.6																11	11	19	34
2 / 23	.8	1.1																7	7	8	13
2 / 21	.8	3.8																17	17	9	11
/ 19	.5	2.7																12	12	19	9
/ 17		2.7																10	10	9	5
1 / 15	.8	2.7																13	13	14	11
/ 13	.3	1.9																8	8	7	19
1 / 11	.5	.8																5	5	7	11
1 / 9	.8																	3	3	6	9
/ 7	.8	.3																4	4	3	9
/ 5	.8																	3	3	4	4
- / 3																					4
/ 1																					3
TOTAL	17.2	73.9	7.3	1.6															372		372
																		372		372	

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.	2691872	31526	84.7	7.366	372							
D. Bulb	392754	11588	31.2	9.256	372		44.7					93
Wet Bulb	360459	11105	29.9	8.834	372		49.7					93
Dew Point	306362	10068	27.1	9.556	372		59.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]120 SEMBACH AB DL 65-68,77-81 JAN
STATION STATION NAME YEARS MONTH

 0300-0500
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
[illegible] / 51		.2																1	1		
5 / 49																				1	
[illegible] / 47		.4		.4														4	4		1
4 / 45		1.3	.2	.4														9	9	5	
[illegible]4/ 43		1.7	1.0															13	13	5	5
2/ 41		5.4	.6															29	29	19	6
4 / 39	.4	4.8	1.0	.2														31	31	32	14
3 / 37	1.0	5.9	.6															36	36	28	29
[illegible] / 35	1.0	7.1	1.3	.2														46	46	39	31
3 / 33	2.5	7.7	1.5															56	56	59	61
2/ 31	1.7	10.3	.4															59	59	61	38
[illegible]/ 29	.8	6.3	.2															35	35	60	52
2 / 27	2.1	5.4		.2														37	38	34	47
/ 25	.6	2.7																16	16	23	41
2 / 23	.2	2.7																14	14	11	28
2/ 21	1.3	2.5	.6															20	20	16	21
[illegible] / 19	.4	2.7	.2															15	16	18	17
/ 17	.4	1.0																7	[illegible]	17	10
1 / 15	.2	2.1																11	11	6	13
[illegible]/ 13	.2	2.7																14	14	15	14
1 / 11	.8	1.7																12	12	17	8
10/ 9	.2	.2																2	2	2	15
[illegible] / 7	.2																	1	1	1	16
/ 5	1.3																	5	5	5	5
[illegible]/ 3	.4																	2	2	2	3
/ 1	.4																	2	2	2	5
/ -1																					1
-[illegible]/ -3																					2
TOTAL	15.9	74.9	7.7	1.5															479		478
																		478		478	

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.	3482809	40621	85.0	8.034	478							
Dry Bulb	486104	14622	30.5	9.119	479		49.3					93
Wet Bulb	445195	13973	29.2	8.775	478		56.4					93
Dew Point	379053	12665	26.5	9.548	478	.6	64.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10?120 STATION | SEMBACH AB DL STATION NAME | 65-68,77-81 YEARS | JAN MONTH

 0600-0800 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
5 / 49		.1																1	1		
4 / 47		.4		.3														5	5	1	
4? / 45		1.6	.4	.1														15	15	7	1
4? / 43		2.1	.3															17	17	9	12
?? / 41		2.9	1.7	.1														33	33	19	4
4 / 39	.3	3.7	1.3	.1														38	38	36	18
3 / 37	.3	4.7	.1	.3														38	38	40	28
? / 35	.7	6.3	1.0	.6														60	60	50	36
3 / 33	4.0	8.2	2.4	.1														103	103	88	69
?/ 3?	2.1	10.2	.1															67	87	102	88
? / 29	1.3	8.2	.1															67	67	93	57
? / 27	2.7	4.6		.3														53	53	51	98
/ 25	.1	5.0	.1															37	37	32	55
2? / 23		2.4																17	17	26	43
2? / 21	2.1	1.4	.4															28	28	35	?8
? / 19	1.1	2.?																22	22	25	27
? / 17	.4	1.3																12	12	16	?2
1? / 15	.1	2.3																17	17	15	25
?? / ?3	.1	1.4																11	11	1?	9
1 / 11	.4	1.3																12	12	18	15
? / ?	1.3	.4																12	12	1?	26
/ 7	.4	.1																4	4	5	16
?/ 5																				1	7
?/ 3	.9																	6	6	6	1
/ 1																					5
/ -1	.4																	3	3	3	5
-?/ -5																					3
TOTAL	19.1	70.8	8.2	2.0															698		698
																		698		698	

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.	5100891	59361	85.?	8.685	698							
Dry Bulb	691877	21093	30.2	8.840	698	.4	51.7					93
Wet Bulb	635844	20222	29.0	8.468	698	.4	59.7					93
Dew Point	537357	18269	26.2	9.216	698	1.1	70.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17720 STATION | SEMBACH AB DL STATION NAME | 65-68,77-81 YEARS | JAN MONTH

 0900-1100 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
[illegible] / 51				.1														1	1		
5 / 49				.1														1	1		
[illegible] / 47		.6	.1	.5														10	10		
4 / 45		1.7	.4	.1														18	18	11	
4/ 43		1.7	1.2	.1	.2													27	27	15	12
2/ 41		2.5	1.1	.1	.1													31	31	26	9
[illegible] / 39	.5	4.8	1.1	.1														53	53	35	23
3 / 37	1.[illegible]	4.8	.2	.4														52	52	58	32
[illegible] / 35	1.2	6.6	1.6	.7														83	83	69	63
3 / 33	3.2	7.4	4.3															121	121	1[illegible]2	80
2/ 31	2.[illegible]	7.5	1.1															86	86	118	53
[illegible] / 29	1.[illegible]	6.6	.4															65	65	87	62
[illegible] / 27	2.6	5.5	.9	.1														74	74	69	108
[illegible] / 25	.6	3.2	.1															32	32	44	59
2[illegible] / 23	.5	2.9	.2															30	30	26	71
2/ 21	1.6	2.9																37	37	43	29
[illegible] / 19	1.3	1.0																19	19	32	34
[illegible] / 17	.4	1.7																17	17	15	29
1 / 15	.5	1.3																15	15	21	40
[illegible] / 13	.2	1.[illegible]																10	10	10	12
1 / 11	.6	.5																9	9	8	12
[illegible] / [illegible]	1.3	.4																14	14	16	26
[illegible] / 7	.4	.2																5	5	3	7
[illegible] / 5	.2																	2	2	4	12
[illegible] / 3	.1	.1																2	2	1	3
[illegible] / 1																				1	7
[illegible] / -1	.1																	1	1	1	
- / -3	.1																	1	1	1	1
[illegible] / -7																					1
[illegible] / -9																					1
TOTAL	19.5	65.0	12.7	2.5	.4														816		816
																		816		816	

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.	5609583	68393	83.8	9.734	816							
Dry Bulb	841311	25243	30.9	8.610	816	.2	47.8					93
Wet Bulb	764102	24070	29.5	8.147	816	.2	57.0					93
Dew Point	636630	21604	26.5	8.907	816	.3	68.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7128 — STATION
SEMBACH AB DL — STATION NAME
65-68,77-81 — YEARS
JAN — MONTH

PAGE 1
1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 53					.4													3	3		
2/ 51				.6														5	5		
5 / 49		.1	.5	.6														10	10		
4 / 47		.6	.1	.6														11	11	2	
4 / 45		1.5	1.6	.2	.2													29	29	26	4
4/ 43	.1	2.9	1.2	.1														36	36	13	15
2/ 41		3.5	2.1	.1														47	47	48	14
4 / 39	.5	4.3	2.4	.7														65	65	40	31
3 / 37	1.2	3.7	3.7	.1	.1													72	72	73	42
/ 35	.7	7.9	4.5	.9														115	115	59	62
3-/ 33	1.6	7.0	2.7	.2														94	94	131	75
2/ 31	.9	6.5	2.1	.4														80	80	121	83
/ 29	.9	5.1	1.2	.1														60	60	66	89
2 / 27	1.5	6.5	.4															68	68	68	99
/ 25	.2	2.1	.4															22	22	48	76
2-/ 23	.2	3.3																29	29	26	52
2/ 21	.4	1.3																14	14	32	39
/ 19	.5	1.5	.1															17	17	11	25
/ 17	.1	.9																8	8	16	28
1 / 15	.5	1.0																12	12	12	20
/ 13	.2	1.0																10	10	11	17
1 / 11	.2	.7																8	8	12	10
/ 9	.4																	3	3	3	18
/ 7																					12
/ 5																					7
TOTAL	1 .1	61.4	23.0	4.8	.7														818		818
																		818		818	

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.	5363774	65672	80.3	10.576	818							
Dry Bulb	968629	27403	33.5	7.872	818		37.6					93
Wet Bulb	856433	25779	31.5	7.340	818		48.4					93
Dew Point	690355	22803	27.9	8.181	818		65.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7125 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (YEARS) JAN (MONTH)

 1500-1700 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
≥ 57				.1	.1													2	2		
55 / 56				.6														5	5		
53 / 54		.1	.5	.2														7	7		
51 / 52	.1	1.1	.1	.7														17	17	4	1
49 / 50		1.6	.6	.6														23	23	25	2
47 / 48	.4	2.9	1.8															42	42	17	19
45 / 46		1.3	1.8	.5														30	30	41	19
43 / 44	.2	4.0	2.8	.6														63	63	27	28
41 / 42	1.1	5.1	5.5	.4	.2													101	101	61	30
39 / 40	.7	7.8	4.9	.4														113	113	87	59
37 / 38	2.0	6.3	3.2	.5	.2													100	100	145	73
35 / 36	.7	5.3	2.2	.2														69	69	99	80
33 / 34	.2	5.9	2.2	.1														69	69	80	80
31 / 32	1.5	4.8	1.5															63	63	71	130
29 / 30	.4	2.7																25	25	46	74
27 / 28		2.1																17	17	27	44
25 / 26	.1	2.7																23	23	19	34
23 / 24	.5	1.1																13	13	26	39
21 / 22	.2	1.3																13	13	12	21
19 / 20		1.0																8	8	10	23
17 / 18	.1	1.0																9	9	14	16
15 / 16	.4	.2																5	5	6	16
13 / 14	.2																	2	2	2	16
11 / 12																					9
9 / 10																					6
TOTAL	8.9	58.4	27.1	5.0	.6														819		819
																		819		819	

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.	5259986	65054	79.4	10.644	819							
Dry Bulb	976421	27595	33.7	7.552	819		35.9					93
Wet Bulb	858582	25868	31.6	7.127	819		46.8					93
Dew Point	686476	22766	27.8	8.098	819		66.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 65-68,77-81 YEARS | JAN MONTH

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

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				
5 / 49		.1	.1															2	2		
4 / 47		1.0	.7	.3														14	14	2	
4 / 45		.4	1.4	.1														14	14	8	3
44 / 43	.1	1.9	2.0															28	28	13	6
2 / 41		2.4	2.4															34	34	30	10
4 / 39	.3	3.7	.7	.1														34	34	32	26
3 / 37	1.1	4.6	2.9	.3														62	62	51	20
3 / 35	1.1	9.6	3.3	.3														100	100	47	52
3 / 33	2.4	6.6	1.4	.1														74	74	125	69
2 / 31	1.6	6.6	1.3	.4														69	69	81	84
2 / 29	1.0	8.5	1.1															74	74	66	67
2 / 27	2.2	6.9	.6															67	67	70	94
2 / 25	.1	2.4	.3															20	20	47	52
2 / 23	.1	2.3																17	17	23	35
2 / 21	1.6	2.7																30	30	27	42
/ 19	.6	2.2																19	19	25	23
/ 17	.6	.6																8	8	18	30
1 / 15	.4	.1																4	4	5	25
1 / 13	.3	1.4																12	12	9	23
1 / 11	.3	.3																4	4	6	9
/ 9	1.0	.1																8	8	8	10
/ 7	.1																	1	1	2	9
/ 5		.1																1	1	1	5
/ 1																					2
TOTAL	15.1	64.8	18.4	1.7															696		696
																		696		696	

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.	4783592	57336	82.4	9.314	696							
Dry Bulb	762319	22391	32.2	7.772	696		44.6					93
Wet Bulb	685269	21231	30.5	7.358	696		51.8					93
Dew Point	563269	18981	27.3	8.103	696		68.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 — STATION
SEMBACH AB DL — STATION NAME
65-68,77-81 — YEARS
JAN — MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5 / 49		.2																1	1		
[illegible] / 47		.2	.2	.5	.3													7	7	2	
4[illegible] / 45		.9	.9	.2														11	11		2
[illegible]4 / 43	.2	2.1	1.5															22	22	8	2
2 / 41		2.9	1.9															28	28	34	8
4 / 39	.3	4.1	.9															31	31	21	22
3 / 37	.9	5.8	2.1															51	51	48	24
[illegible] / 35	1.5	10.4	2.2	.3														85	85	52	46
34 / 33	3.1	5.3	.7															53	53	95	75
[illegible]2 / 31	2.1	6.7	.7	.3														57	57	56	53
[illegible] / 29	1.4	7.0	.7															53	53	56	60
2 / 27	2.4	7.7	.3															61	61	62	67
[illegible] / 25	.5	2.7	.3															21	21	32	42
2[illegible] / 23		3.1	.2															19	19	17	39
22 / 21	.9	2.6																20	20	26	27
[illegible] / 19	1.0	2.9																23	23	20	12
[illegible] / 17	.2	2.7																17	17	26	15
1[illegible] / 15		.3																2	2	6	27
[illegible] / 13		.7																4	4	1	24
12 / 11	.9	.2																6	6	10	14
[illegible] / 9	1.0																	6	6	6	8
[illegible] / 7	.5																	3	3	3	6
[illegible] / 5	.7																	4	4	4	6
/ 3																					3
/ 1																					2
/ -1																					1
TOTAL	17.4	68.4	12.5	1.4	.3														585		585
																		585		585	

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.	4164157	49079	83.9	8.936	585							
Dry Bulb	618889	18417	31.5	8.181	585		47.1					93
Wet Bulb	563167	17573	30.0	7.773	585		51.7					93
Dew Point	471472	15838	27.1	8.549	585	.2	64.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7123 — STATION
SEMBACH AB DL — STATION NAME
65-68,77-81 — YEARS
JAN — MONTH
PAGE 1
ALL — HOURS (L.S.T.)

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				
4/ 53				.0	.1													5	5		
2/ 51		.0		.2														12	12		
5 / 49		.1	.2	.2														22	22	1	
4 / 47	.	.7	.2	.5	.0													73	73	11	2
4 / 45		1.4	.8	.3	.1													132	132	56	12
4/ 43	.1	2.2	1.3	.3	.1													194	194	88	78
2/ 41		3.1	1.6	.1	.1													260	260	231	73
4 / 39	.4	4.2	1.5	.3														336	336	254	176
3 / 37	.9	5.2	2.3	.2	.1													449	449	382	223
7 / 35	1.1	8.0	2.7	.5														644	644	452	379
3 / 33	2.6	7.0	2.3	.2	.1													639	639	789	563
2/ 31	1.5	7.5	1.2	.2														546	546	672	549
1 / 29	1.1	6.6	.9	.0														452	452	539	497
2 / 27	2.1	5.6	.5	.1														441	442	454	670
/ 25	.4	2.9	.2															184	184	291	433
2 / 23	.2	2.6	.1															150	150	164	325
2/ 21	1.1	2.4	.1															189	189	207	231
1 / 19	.8	1.9	.0															141	141	176	181
1 / 17	.3	1.4																92	92	129	105
1 / 15	.3	1.2																82	82	89	104
1 / 13	.2	1.3																78	78	77	134
1 / 11	.5	.7																61	61	84	95
1 / 9	.8	.2																50	50	53	128
/ 7	.3	.1																18	18	17	84
/ 5	.3	.0																15	15	19	52
/ 3	.2	.0																10	10	9	14
/ 1	.																	2	2	3	24
/ -1	.1																	4	4	4	7
- / -3	.0																	1	1	1	3
- / -5																					3
- / -7																					1
- / -9																					1
TOTAL	19.1	66.0	15.8	2.8	.3													5282	5283	5282	5282

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.	36656664	437042	82.7	9.682	5282							
Dry Bulb	57383?4	168352	31.9	8.409	5283	.7	354.5					744
Wet Bulb	5169?51	159821	30.3	7.944	5282	.7	420.9					744
Dew Point	4270974	142994	27.1	8.701	5282	2.1	531.9					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] / LEMBACH AB DL / 65-68,77,79 / FEB
STATION / STATION NAME / YEARS / MONTH

PAGE 1 0000-0200
HOURS (L.S.T.)

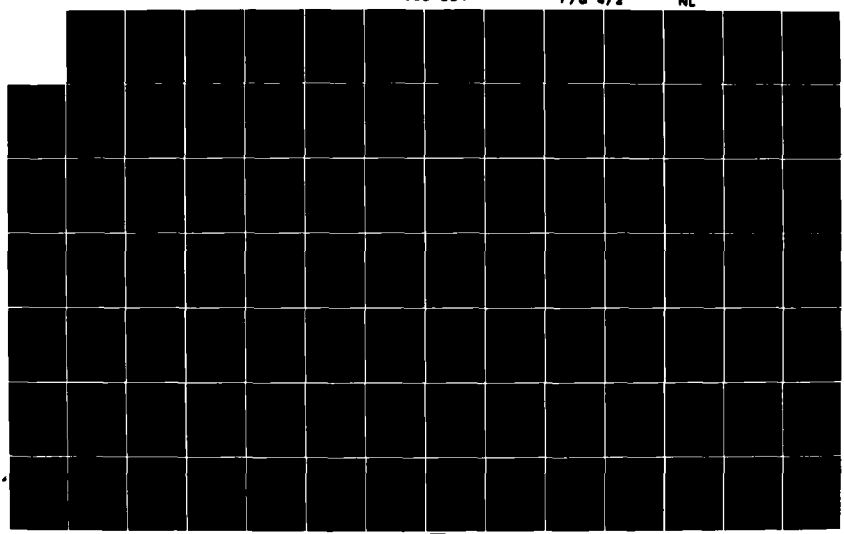
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 53					.6													2	2		
[illegible] / 51				.3	.3													2	2		
5 / 49			2.7															7	7		
[illegible] / 47		1.4	3.1	.9														19	19	2	
4 / 45		3.7	1.1	1.1														21	21	16	1
14 / 43		6.0	.9	.3														25	25	24	9
7 / 41		5.1	2.0	.6	.3													28	28	31	15
[illegible] / 39	.9	2.6	1.7	1.1														22	22	31	36
3 / 37		4.3	1.1															19	19	13	25
[illegible] / 35	.6	2.6	2.6															23	23	31	13
3 / 33	.9	8.8	2.2	.9														44	44	19	27
[illegible] / 31	1.1	5.4	.3															24	24	45	25
[illegible] / 29	.9	10.5	1.4															45	45	31	37
[illegible] / 27	1.7	4.6	.9															25	25	38	31
[illegible] / 25		2.6	.3															13	10	19	34
[illegible] / 23		2.8	.6															12	12	17	13
21 / 21	2.[illegible]	1.1	.6															13	13	17	21
[illegible] / 19	.3	.6																3	3	5	8
[illegible] / 17	1.7	.3																7	7	9	9
1 / 15	.3																	1	1	1	13
[illegible] / 13	.6																	2	2	2	9
1 / 11																					1
[illegible] / 9																					3
[illegible] / 7																					1
TOTAL	10.8	62.4	20.5	5.1	1.1														351		351
																		351		351	

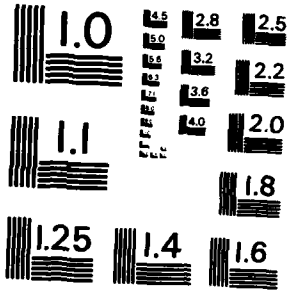
Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2306578	28232	80.4	10.113	351							
Dry Bulb	451632	12256	34.9	8.226	351		34.0					84
Wet Bulb	399998	11544	32.9	7.621	351		44.0					84
Dew Point	325946	10292	29.3	8.309	351		52.6					84

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

AD-A122 711 SEMBACH AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 28 JUL 82

UNCLASSIFIED USAFETAC/DS-82-048 SBI-AD-E000 204 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7127 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
FEB — MONTH

0300-0500 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 51			.9															4	4		
5 / 49			1.6															7	7		
6 / 47		.2	2.2	.7														14	14	7	
4 / 45		2.9	2.2	1.3														29	29	6	3
4/ 43	.2	4.5	2.2															31	31	32	6
2/ 41	.2	4.7	1.3															28	28	31	34
4 / 39	.4	3.6	2.5															29	29	36	27
3 / 37	1.3	2.2	1.6	.7														26	26	27	38
7 / 35	.7	3.8	1.3															26	26	30	25
3 / 33	1.1	7.2	2.5	.7														51	51	30	25
2/ 31	1.8	4.5	1.6															35	35	51	38
1 / 29	2.2	6.3	.4															40	40	41	28
2 / 27	1.3	7.6	1.6															47	47	49	45
1 / 25	.4	3.8	.9															23	23	27	37
2 / 23	.4	5.2	.2															26	26	34	35
2/ 21	.7	2.5	.4															16	16	16	25
1 / 19	.7	.4																5	5	14	29
1 / 17	.2	.2																2	2	6	16
1 / 15	.7																	3	4	3	10
1 / 13	.2																	1	1	1	14
1 / 11	.4																	2	2	2	4
/ 9	.2																	1	1	1	2
/ 7																					5
TOTAL	13.5	59.6	23.5	3.4															447		446
																		446		446	

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.	3331176	36514	81.9	9.689	446							
Dry Bulb	543578	15158	33.9	8.141	447		38.0					84
Wet Bulb	487189	14343	32.2	7.633	446		46.1					84
Dew Point	403457	12871	28.9	8.482	446		58.2					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7123 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
FEB — MONTH

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

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				
2/ 51					.1													1	1		
5 / 49			1.0	.1														8	8		
8 / 47		.1	.6	.7														10	10	3	
4 / 45		2.5	1.8	1.0														38	38	10	4
14/ 43	.3	5.1	1.2															48	48	30	5
2/ 41	1.0	4.3	1.4															48	48	61	44
4 / 39	.3	2.8	1.1	.1														31	31	43	36
3 / 37	2.1	2.8	.8															41	41	50	51
3 / 35	1.8	6.2	1.4	.1														69	69	45	50
34/ 33	2.3	4.8	1.0															59	59	69	52
2/ 31	2.1	7.6	1.9															84	84	89	61
/ 29	2.6	6.1	.8															69	69	67	79
2 / 27	1.9	8.4	.8															81	81	71	64
/ 25	2.2	4.6	1.2															58	58	70	54
2 / 23	1.2	3.3	.6															37	37	42	65
2/ 21	.4	.8																9	9	32	49
/ 19	.6	2.3																21	21	15	23
1 / 17	.1	.3																3	3	18	32
1 / 15	.3																	2	2	2	9
/ 13	.3	.1																3	3	2	18
1 / 11	.1	.1																2	2	2	14
/ 9	.3																	2	2	3	10
/ 7																					3
/ -1																					1
TOTAL	19.9	62.3	15.6	2.1	.1														724		724
																		724		724	

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.	5175173	60761	83.9	10.244	724							
Dry Bulb	833864	23956	33.1	7.549	724		43.0					84
Wet Bulb	758457	22851	31.6	7.176	724		47.9					84
Dew Point	640298	20712	28.6	8.129	724	.1	55.9					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7122 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | FEB MONTH

PAGE 1 | 0900-1100 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
5 / 55						.1												1	1		
4/ 53			.1	.1	.2	.2												6	6		
2/ 51		.4	.4	.6	.2	.2												15	15	1	
5 / 49			.8	.2	.1													10	10	3	
4 / 47		.5	1.9	.7	.2													26	29	7	4
4 / 45		2.0	1.4	.7														35	35	28	3
4/ 43	.5	5.6	2.9	.1														76	76	51	12
2/ 41	.7	4.1	1.1	.4														52	52	77	59
4 / 39	.1	3.0	1.4	.4														41	41	46	52
3 / 37	1.8	3.7	1.8	.2														63	63	56	59
3 / 35	1.3	6.7	1.8	.2														84	84	66	65
3/ 33	2.2	4.1	2.6	.4														77	77	84	72
2/ 31	1.3	5.0	2.9	.2														79	79	91	65
1 / 29	.8	5.9	1.0															64	64	70	62
2 / 27	1.9	6.7	1.9															88	88	86	76
1 / 25	1.2	4.2	1.6															58	58	62	75
2/ 23	.1	2.4	.4															24	24	41	60
2/ 21	.6	1.2	.1															16	16	37	46
1 / 19	.1	.7	.1															8	8	12	28
1/ 17	.1	.1																2	2	7	28
1 / 15	.1		.1															2	2	3	23
1/ 13	.1																	1	1	2	19
1 / 11																					13
1 / 9	.1	.1																2	2	1	7
/ 7																				1	1
0/ 5																					1
/ 3																					1
/ -1																					1
TOTAL	13.2	56.6	24.4	4.3	.8	.6												832	832		832
																				832	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	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.	5550630	67288	80.9	11.438	832							
Dry Bulb	1062658	29026	34.9	7.759	832		34.7					84
Wet Bulb	944854	27383	32.9	7.261	832		41.7					84
Dew Point	775956	24450	29.4	8.314	832	.1	51.1					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | FEB MONTH

 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 57					.1	.1												2	2		
5[illegible] / 55			.2	.4	.5	.5												13	13		
4[illegible] / 53			.2	.7	1.7													22	22		
[illegible] / 51		.6	.1	.8	1.1	.2												24	24	2	
5 / 49		.1	1.7	.5	.2	.1												22	22	12	
4[illegible] / 47		1.8	1.9	1.7	.4													48	48	21	8
4 / 45	.1	3.7	2.6	2.2	.2	.1												75	75	62	7
[illegible]4 / 43	.1	3.5	2.3	1.6	.1	.4												66	66	68	30
[illegible]2 / 41	.1	3.8	1.6	1.4	.4													61	61	70	56
4 / 39		3.2	2.5	1.0	.2													58	58	54	70
3 / 37	1.1	3.0	2.2	1.1	.2													63	63	72	61
[illegible] / 35	.8	4.3	4.3	1.6	.1													93	93	66	69
3[illegible] / 33	1.2	3.4	4.4	1.2														85	85	87	62
[illegible]2 / 31	.1	2.4	3.6	.8														58	58	85	71
[illegible] / 29	.5	2.3	2.0	.4														43	43	76	51
2[illegible] / 27	1.1	3.2	2.9	.2														62	62	58	90
[illegible] / 25		2.4	1.7															34	34	48	50
24 / 23		.4	.1															4	4	36	57
[illegible]2 / 21																				14	32
[illegible] / 19																					40
18 / 17																					26
1[illegible] / 15																					29
14 / 13																					14
1[illegible] / 11																					8
[illegible] / 9																					2
TOTAL	5.2	38.2	34.5	15.5	5.3	1.4													833		833
																		833		833	

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.	4725934	61748	74.1	13.370	833							
Dry Bulb	1278038	32000	38.4	7.654	833		20.3					84
Wet Bulb	1079169	29413	35.3	6.986	833		32.0					84
Dew Point	831450	25400	30.5	8.273	833		47.4					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | FEB MONTH

 1500-1700 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
5 / 57						.4	.1											4	4		
5 / 55				.4	.6	.6												13	13		
4/ 53			.8	.8	1.1		.1											24	24		
2/ 51		.4	1.0	1.2	.8	.2												30	30		
5 / 49		.2	1.9	.5	.8	.1												30	30	14	
/ 47		1.4	2.0	1.8	.4													47	47	36	3
4 / 45		4.3	3.3	2.0	.5	.6												89	89	59	24
4/ 43	.1	2.9	1.9	1.3	.4	.1												56	56	71	28
2/ 41	.1	3.0	2.5	1.4	.6	.1												65	65	61	52
4 / 39	.1	2.4	1.4	.5	.8													44	44	59	74
3 / 37	1.2	3.4	3.6	2.0														85	85	66	53
/ 35	.2	4.7	3.0	2.0	.1													84	84	66	76
3 / 33	.7	1.7	7.0	1.7														92	92	86	66
2/ 31		2.5	1.8	1.3														47	47	110	48
/ 29	.2	2.3	1.9	.2														39	39	71	59
/ 27	.7	2.8	3.4	.2														59	59	50	91
/ 25		1.6	1.0															21	21	43	46
/ 23		.1																1	1	30	58
2/ 21																				6	42
/ 19																					29
/ 17																					32
/ 15																					30
/ 13																					7
1 / 11																					3
/ 9																					4
TOTAL	3.5	33.7	36.6	17.6	6.1	2.2	.2												830		830
																		830		830	

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.	4541339	60255	72.6	14.195	830							
Dry Bulb	1319348	32486	39.1	7.597	830		16.9					84
Wet Bulb	1101802	29690	35.8	6.925	830		31.4					84
Dew Point	835958	25404	30.6	8.394	830		45.9					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
FEB — MONTH

1800-2000 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
5 / 55						.1												1	1		
4 / 53				.1	.1													2	2		
2 / 51		.1	.4	1.1	.3	.1												15	15		
5 / 49		.3	.8	1.4		.3												20	20	1	
4 / 47		1.0	1.4	1.5	.1	.1												30	30	7	2
4 / 45		3.6	1.4	1.3	.3													47	47	34	1
4 / 43	.3	3.3	1.7	1.5	.1													50	50	49	18
2 / 41	.1	5.6	1.5	.8														58	58	53	33
4 / 39		3.8	2.2	.1	.1													45	45	53	62
3 / 37	1.5	3.6	2.6	1.1	.1													65	65	64	61
7 / 35	.8	6.7	3.6	1.1	.3													90	90	56	50
3 / 33	1.7	4.2	4.6	.8														81	81	95	59
2 / 31	.3	5.3	4.6	.6														77	77	75	63
/ 29		4.0	1.8	.1														43	43	90	50
2 / 27	1.4	4.3	3.3	.1														64	64	54	95
/ 25	.3	1.0	.6	.1														14	14	52	56
2 / 23		1.5	.3															13	13	15	43
2 / 21		.6																4	4	18	35
/ 19																				3	25
1 / 17																					31
1 / 15																					23
1 / 13																					5
1 / 11																					3
/ 9																					1
/ 7																					3
TOTAL	6.4	48.5	30.9	12.0	1.5	.7													719		719
																		719		719	

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.	4393985	55495	77.2	12.416	719							
Dry Bulb	1003484	26408	36.7	6.836	719		25.1					84
Wet Bulb	866667	24535	34.1	6.403	719		35.9					84
Dew Point	686768	21528	29.9	7.665	719		50.6					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
FEB — MONTH

2100-2300 — 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
4/ 53						.5												3	3		
2/ 51		.2		.2														2	2		
5 / 49		.2	1.5	.8														15	15	1	
4 / 47		.5	1.0	1.5														18	18	2	1
4 / 45		2.0	1.2	.7														23	23	17	2
4/ 43		5.1	1.2	1.0	.2													44	44	27	5
2/ 41		6.6	1.2	1.4	.2													55	55	48	20
1 / 39		4.9	2.0	.7														45	45	47	54
3 / 37	.7	4.1	1.5															37	37	51	61
2 / 35	1.5	6.6	2.4	.8	.3													69	69	58	33
3 / 33	2.5	6.6	3.4	.2														75	75	68	50
2 / 31	.2	4.7	3.0	.3														49	49	67	39
2 / 29	.2	6.1	1.7	.2														48	48	57	56
2 / 27	1.5	6.4	1.4															55	55	53	74
0 / 25	.2	3.0	.2															20	20	39	47
2 / 23	.2	1.9	.8															17	17	26	33
2/ 21	.5	.8																8	8	14	37
1 / 19	.2	.7																5	5	10	29
1 / 17	.3	.2																3	3	6	19
1 / 15	.2																	1	1	1	15
1 / 13																					11
1 / 11																					2
1 / 9																					2
/ 7																					2
TOTAL	5.1	60.5	22.5	7.8	.7	.5												592	592	592	592

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3837904	47198	79.7	11.264	592							
Dry Bulb	770671	20947	35.4	7.064	592		29.2					84
Wet Bulb	678855	19667	33.2	6.568	592		38.7					84
Dew Point	549364	17470	29.5	7.565	592		51.9					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 712? STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | FEB MONTH

ALL HOURS (L. S. T.)

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				
[illegible] / 57					.0	.1	.0											6	6		
5 / 55			.0	.1	.2	.2												28	28		
4/ 53			.2	.3	.5	.1	.0											59	59		
2/ 51		.2	.4	.6	.4	.1												93	93	3	
[illegible] / 49		.1	1.4	.5	.2	.1												119	119	31	
/ 47		.9	1.7	1.2	.2	.0												214	214	87	18
4 / 45	.0	3.1	2.0	1.3	.2	.1												357	357	234	45
4/ 43	.2	4.4	1.9	.8	.1	.1												396	396	352	113
4/ 41	.3	4.5	1.6	.8	.2	.0												395	395	432	316
4 / 39	.2	3.2	1.8	.5	.2													315	315	369	413
3 / 37	1.3	3.4	2.0	.7	.1													399	399	399	409
[illegible] / 35	1.[illegible]	5.4	2.6	.9	.1													535	535	420	381
3 / 33	1.6	4.6	3.7	.8														564	564	538	413
2/ 31	.8	4.6	2.7	.5														453	453	613	410
[illegible] / 29	.9	4.9	1.4	.1														391	391	503	422
2 / 27	1.4	5.3	2.2	.1														481	481	459	565
2[illegible] / 25	.6	2.9	1.0	.0														238	238	360	399
2[illegible] / 23	.2	1.9	.3															134	134	241	361
2/ 21	.4	.8	.1															66	66	154	286
[illegible] / 19	.2	.6	.0															42	42	59	231
[illegible] / 17	.2	.1																17	17	46	193
1 / 15	.2		.0															9	10	10	152
[illegible] / 13	.1	.0																7	7	7	97
1 / 11	.1	.0																4	4	4	53
1 / 9	.1	.0																5	5	5	31
/ 7																				1	15
/ 5																					1
0/ 3																					1
/ -1																					2
TOTAL	9.7	50.9	27.0	9.2	2.3	.8	.0												5328		5327
																		5327		5327	

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.	33562719	417491	78.4	12.580	5327							
Dry Bulb	7263269	192237	36.1	7.838	5328		233.1					672
Wet Bulb	6316991	179423	33.7	7.169	5327		310.6					672
Dew Point	5049197	158127	29.7	8.168	5327	.3	406.1					672

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 712? STATION | SEMBACH AB OL STATION NAME | 65-68,78,80-81 YEARS | MAR MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 53					.5													2	2		
2/ 51				.5	1.7													9	9		
5 / 49			1.7	1.5														13	13		
6 / 47		1.0	3.0	1.0	.2													21	21		
4 / 45		2.2	1.2	1.0	.7													21	21	28	
4/ 43	.2	1.5	4.4	1.0	.2													30	30	26	11
2/ 41		5.2	3.2	.7														37	37	17	15
4 / 39	1.5	3.2	6.2	.7														47	47	51	26
3 / 37	.5	5.2	5.9															47	47	48	39
/ 35		6.4	6.2															51	51	40	40
3 / 33	.7	5.2	4.2															41	41	64	35
2/ 31		2.2	3.2															22	22	39	54
/ 29	.7	4.7	2.2															31	31	33	39
/ 27	.2	1.7	.2															9	9	27	47
/ 25	.5	2.2																11	11	14	41
/ 23	.7	.7																6	6	10	13
2/ 21	.5																	2	2	3	27
/ 19	.5																	2	2	2	9
/ 17	.7																	3	3	3	6
1 / 15	.2																	1	1	1	3
1 / 13																					1
TOTAL	7.1	41.4	41.6	6.4	3.4														406		406
																		406		406	

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.	2496554	31548	77.7	10.557	406							
Dry Bulb	592736	15256	37.6	6.934	406		19.9					93
Wet Bulb	511517	14195	35.0	6.130	406		30.2					93
Dew Point	406388	12586	31.0	6.329	406		55.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7127 — STATION
SEMBACH AB DL — STATION NAME
65-68,77-81 — YEARS
MAR — MONTH

0300-0500 — 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
5 / 55		.2	.2															2	2		
4 / 53		.6	.2		.2													5	5	3	
2 / 51		.2	.6		1.0													9	9	2	3
5 / 49	.2		.4	.6	.2													7	7	3	2
4 / 47		1.2	1.2	.6														15	15	5	3
4 / 45	1.2	3.7	3.3	.8	.2													47	47	24	11
4 / 43	.2	3.1	2.4	1.6	.2													38	38	36	15
2 / 41	.4	3.7	3.3	1.2														44	44	36	21
4 / 39	1.0	7.1	4.5	.4														66	66	48	29
3 / 37	1.0	4.1	4.7															50	50	59	39
/ 35	.6	4.5	5.3															53	53	57	59
3 / 33	.4	5.9	3.3															49	49	59	42
2 / 31		5.9	1.2															36	36	50	45
3 / 29	.8	3.7	1.2															29	29	46	59
/ 27	1.0	3.9	.2															26	26	32	61
/ 25		1.2	.2															7	7	17	41
2 / 23	1.0	1.8																14	14	16	23
2 / 21	1.0	.2																6	6	10	27
/ 19	.4																	2	2	2	17
/ 17	.2																	1	1	1	7
/ 15	.2																	1	1	1	2
/ 13	.4																	2	2	2	1
1 / 11																					2
TOTAL	9.8	51.1	32.2	5.1	1.8														509		509
																		509		509	

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.	3313817	40743	80.0	10.169	509							
Dry Bulb	734436	18986	37.3	7.188	509		22.7					93
Wet Bulb	647526	17838	35.0	6.639	509		32.3					93
Dew Point	531374	16042	31.5	7.124	509		52.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
MAR — MONTH

0600-0800 — 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
[illegible] / 57				.2														2	2		
5 / 55		.1		.1														2	2		
4 / 53		1.0	.4		.6													16	16	5	
2 / 51	.1	.2	1.2		.2													15	15	9	6
5 / 49	.1	.2	1.0	.2	.2													15	15	11	7
[illegible] / 47	.5	1.9	1.6	.6	.1													38	38	15	9
4 / 45	.5	2.9	2.9	.9														57	57	45	21
4 / 43	.6	2.1	3.1	1.6														60	60	36	25
2 / 41	.5	3.0	2.9	.9														58	58	52	47
4 / 39	1.4	5.8	3.8	1.2														99	99	72	29
3 / 37	1.9	5.3	4.3															90	90	90	58
[illegible] / 35	1.3	6.3	2.3	.1														76	76	102	92
3 / 33	.6	3.6	3.0	.1														59	59	93	65
2 / 31	.6	5.8	1.4	.2	.2													67	67	70	93
[illegible] / 29	.1	4.0	.6															38	38	63	81
[illegible] / 27	1.1	3.1	1.2															44	44	41	71
[illegible] / 25	.1	2.1																18	18	36	61
2 / 23	.4	2.2	.5															25	25	21	36
2 / 21	.7	.4																9	9	22	32
[illegible] / 19	.6																	5	5	10	29
[illegible] / 17	.7																	6	6	6	13
1 / 15	.5																	4	4	4	9
[illegible] / 13	.2																	2	2	2	11
1 / 11	.1																	1	1	1	6
[illegible] / 9																					5
TOTAL	12.2	50.1	29.9	6.3	1.5														806		806
																		806		806	

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.	5329343	64931	80.6	11.063	806							
Dry Bulb	1163550	29970	37.2	7.814	806		25.3					93
Wet Bulb	1029314	28196	35.0	7.304	806		31.8					93
Dew Point	853225	25413	31.5	8.034	806		51.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7127 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (YEARS) MAR (MONTH)

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

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				
4/ 63							.1	.1										2	2		
./ 61				.1		.1												2	2		
/ 59			.1	.5		.2	.3											11	11		
/ 57			.3	.3	.1	.5												12	12		
5 / 55		.3	.3		.2	.6												14	14	2	
4/ 53		.4	1.0	.8	.6	.1												27	27	13	
4/ 51		.1	1.7	.6	.8	.1												31	31	14	7
5 / 49	.3	.8	1.7	.9	.5													39	39	23	10
/ 47	.1	1.5	2.5	1.9	.3													59	59	46	16
4 / 45	.1	2.8	3.0	2.7	.9	.1												89	89	59	32
4/ 43	.5	4.1	2.8	2.8	.5													100	100	62	38
2/ 41	1.2	5.0	3.8	2.9	.2		.1											122	122	104	72
4 / 39	.6	5.3	5.1	1.6	.2													119	119	106	72
3 / 37	.8	3.2	2.9	1.1	.1													75	75	121	86
/ 35	.2	3.3	3.0	.2	.1													64	64	109	95
3 / 33	.3	2.2	1.8	.4	.2													46	46	80	84
2/ 31	.1	1.9	2.4	.3														44	44	59	84
/ 29	.1	.9	1.2	.2														22	22	40	79
2 / 27	.1	1.6	.3															19	19	33	62
2 / 25	.2	1.1	.1															13	13	30	50
1 / 23		.5	.2															7	7	10	42
2/ 21	.2	.3																5	5	5	29
/ 19	.1																	1	1	5	20
/ 17	.1	.1																2	2	2	12
1 / 15																					4
/ 13	.1																	1	1	1	
1 / 11																					8
/ 9																					4
TOTAL	5.3	35.5	34.3	17.5	4.9	1.8	.5	.1										926	926	926	926

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.	5322797	69113	74.6	13.335	926							
Dry Bulb	1625290	38160	41.2	7.551	926		11.4					93
Wet Bulb	1374560	35120	37.9	6.785	926		18.6					93
Dew Point	1085951	30889	33.4	7.751	926		41.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 712[illegible] SEMBACH AB DL 65-68,76-81 MAR
STATION STATION NAME YEARS MONTH

 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 71										.1	.1							2	2		
[illegible] / 69									.1	.1								2	2		
[illegible] / 67				.2	.2			.1	.1									6	6		
6 / 65						.1	.1	.2	.1									5	5		
[illegible]4 / 63			.1	.1	.1		.2											5	5	2	
[illegible] / 61				.1	.2		.5	.1										9	9	1	
[illegible] / 59			.5		.6		.6	.1										19	19	2	2
[illegible] / 57			.6	.9	.5	.6	.4											30	30	1	2
5[illegible] / 55		.1	.4	1.1	.8	.8												29	29	10	1
4 / 53		.6	.5	1.7	1.3	.2												41	41	17	3
[illegible]2 / 51		.8	1.9	1.5	2.2	.4	.2											65	65	30	12
[illegible] / 49		.5	2.3	2.8	1.4	.6	.1											72	72	43	10
[illegible] / 47	.3	1.9	1.8	3.4	1.3	.8	.3											92	92	71	17
[illegible] / 45	.2	3.4	5.4	4.4	2.4	.8												154	154	85	46
4 / 43		1.3	3.2	4.6	1.4	.3												101	101	97	61
[illegible]2 / 41		2.3	3.[illegible]	2.7	1.4		.1											88	88	111	59
[illegible] / 39		1.7	3.2	1.8	.2	.3												68	68	100	72
3 / 37		.9	2.5	1.2	.2	.1												45	45	120	95
[illegible] / 35		.5	2.5	.9	.4													40	40	78	86
3 / 33		.3	1.4	.8	.1													24	24	62	85
2 / 31		.4	.2	.4														10	10	32	67
[illegible] / 29		.4	.6	.2														12	12	32	73
[illegible] / 27		.5	.1															6	6	17	69
[illegible] / 25		.1	.1															2	2	13	55
2 / 23		.3																3	3	4	47
2 / 21																				2	19
[illegible] / 19																					13
1 / 17																					13
1[illegible] / 15																					7
1[illegible] / 13																					6
1 / 11																					4
1 / 9																					2
[illegible] / 7																					1
[illegible] / 5																					3

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) 84 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727120 STATION | SEMEACH AB DL STATION NAME | 65-68,76-81 YEARS | MAR MONTH

PAGE 2 | 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATUKE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
TAL	.5	16.2	30.6	28.8	14.8	5.1	2.7	.5	.3	.2	.1								930	930	930	930

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.	4212737	6187	65.7	14.681	930							
Dry Bulb	1985763	42397	45.6	7.550	930		3.3	1.0				93
Wet Bulb	1574235	37759	40.6	6.658	930		10.0					93
Dew Point	1147573	31717	34.1	8.422	930		37.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 65-68,76-81 — MAR

STATION — STATION NAME — YEARS — MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
4/ 73										.1								1	1		
[illegible]/ 71									.1		.2							3	3		
[illegible]/ 69								.1		.1								2	2		
[illegible]/ 67				.2	.1			.1	.1									5	5		
6/ 65							.1	.5										6	6		
4/ 63					.1	.2		.3										6	6	2	
2/ 61				.3	.3	.2	.5	.3										16	16	1	
/ 59			.8	.5	.8	.2	.4	.2										27	27		2
/ 57			.4	.8	.9	.5		.2										26	26	1	1
5 / 55		.2	.4	1.7	1.2	1.0	.6											48	48	16	
4/ 53		.3	.8	1.7	1.8	.1	.2											46	46	21	6
2/ 51		.2	2.4	.5	4.0	.4	.3											73	73	31	10
5 / 49		1.0	2.3	2.8	1.3	.3	.2											73	73	57	11
/ 47	.1	1.1	1.8	2.6	3.8	1.2	.4											102	102	67	15
6 / 45	.2	2.8	4.8	4.3	2.3	1.2	.1											146	146	88	49
4/ 43		1.0	1.8	3.8	1.3	.8												80	80	106	66
2/ 41		2.4	3.3	3.1	1.2	.1	.3											97	97	96	62
[illegible]/ 39		1.2	2.6	2.0	1.0	.1												64	64	120	56
3 / 37		.6	2.4	1.4	.5	.4												50	50	99	88
[illegible]/ 35		.4	.9	.3	.1													16	16	83	108
3 / 33		.2	.9	1.2	.1													22	22	57	71
2/ 31	.2	.1	.2	.2														7	7	31	60
5 / 29		.1	.5															6	6	19	73
[illegible]/ 27		.1																1	1	22	86
[illegible]/ 25	.1	.4																5	5	9	39
[illegible]/ 23		.1																1	1	3	41
2/ 21																					20
[illegible]/ 19																					21
[illegible]/ 17																					16
1[illegible]/ 15																					7
[illegible]/ 13																					8
1 / 11																					6
[illegible]/ 9																					4
/ 5																					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												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72122	SCMBACH AB DL	65-68,76-81	MAR
STATION	STATION NAME	YEARS	MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 3																					1
TOTAL	.6	12.3	26.3	27.6	20.7	6.8	3.3	1.8	.2	.2	.2								929		929
																		929		929	

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.	3885514	58372	62.8	15.320	929							
Dry Bulb	2078061	43375	46.7	7.549	929		2.0	1.1	.1			93
Wet Bulb	1612016	38212	41.1	6.587	929		8.4					93
Dew Point	1137995	31501	33.9	8.675	929		38.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7127 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
MAR — MONTH

1800-2000 — 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
8[illegible]/ 67								.1	.1									2	2		
6/ 65							.1	.1										2	2		
4/ 63					.1		.2	.1										4	4		
2/ 61					.2		.6											7	7		
/ 59			.1	.2	.2	.1	.4											9	9		
/ 57			.4	.6	.2	.6	.1	.1										17	17		
5 / 55		.1	.4	.5	.5	.6	.1											18	18	3	
4/ 53		.6	.7	1.5	.7	.1	.2											32	32	12	
2/ 51	.1	.4	1.2	1.2	.6	.2	.1											32	32	19	7
5 / 49			1.6	1.5	.2	.5												31	31	26	6
/ 47	.1	1.4	1.7	2.9	.7	.2												57	57	43	25
4 / 45	.6	2.9	5.5	4.9	2.2	.5												133	133	62	35
4/ 43	.4	3.0	3.2	3.2	.9	.2												88	88	58	42
2/ 41		3.0	4.2	4.2	.5	.1												97	97	101	45
4 / 39		2.0	5.0	2.4	.6	.1												81	81	90	53
3 / 37	.5	1.4	3.2	1.7	.2	.5												61	61	101	67
/ 35		.5	3.9	1.2	.7	.1												52	52	86	98
3 / 33		1.1	2.1	.4	.1													30	30	66	50
2/ 31		.6	.9	1.0	.2													22	22	56	66
/ 29	.2	.5	.5	.4														13	13	29	79
/ 27		.5	.5															8	8	28	83
/ 25	.4	.1																4	4	16	45
/ 23		.1																1	1	4	35
2/ 21		.2																2	2	3	21
/ 19																					17
/ 17																					10
1 / 15																					9
1 / 13																					6
/ 9																					8
/ 7																					3
/ 5																					3
TOTAL	2.4	18.4	35.2	27.9	9.3	4.1	2.0	.5	.1									803	803		803
																		803		803	

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.	3887368	54618	68.0	14.661	803							
Dry Bulb	1545850	34744	43.3	7.284	803		5.8	.2				93
Wet Bulb	1246631	31201	38.9	6.540	803		15.8					93
Dew Point	920481	26353	32.8	8.328	803		44.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7157 | SEMBACH AB DL | 65-68,76-81 | MAR
STATION | STATION NAME | YEARS | MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 57				.4		.4												6	6		
5 / 55			.4	.3	.6	.4												12	12		
4 / 53	.3	.4		.7	.7	.3												17	17	4	2
2 / 51		.9	1.2	.9	.3													22	22	10	2
5 / 49			.7	1.5		.1												16	16	8	4
/ 47		.9	1.3	.9	.6													25	25	21	7
4 / 45	.6	3.0	3.6	2.1	1.3													71	71	44	16
4 / 43	.4	3.6	4.2	2.4	.1													72	72	43	19
2 / 41	.6	4.9	5.5	2.5														91	91	65	48
4 / 39		4.9	5.4	1.8														81	81	79	50
3 / 37	.1	2.1	3.9	2.5														58	58	91	59
/ 35	.3	2.7	4.6	.6	.1	.3												58	58	64	64
3 / 33		2.8	4.6	.7														55	55	61	53
2 / 31		1.8	2.4		.4													31	31	71	59
/ 29	.1	2.4	.9	.4														26	26	43	56
/ 27		1.0	.7															12	12	25	76
/ 25		.9	.4															9	9	18	53
2 / 23	.1	.1																2	2	16	41
2 / 21	.1	.1																2	2	2	22
/ 19																				1	12
/ 17	.1																	1	1	1	5
1 / 15	.1																	1	1	1	5
/ 13																					5
1 / 11																					2
/ 9																					2
/ 7																					2
/ 5																					4
TOTAL	3.1	32.8	40.1	18.0	4.3	1.6													668		668
																		668		668	

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.	3730744	49200	73.7	12.668	668							
Dry Bulb	1111183	26853	40.2	6.896	668		11.7					93
Wet Bulb	937009	24645	36.9	6.452	668		24.8					93
Dew Point	728747	21439	32.1	7.809	668		47.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7127 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | MAR MONTH

ALL HOURS L. S. T.

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					
4/ 73										.0								1	1		
/ 71									.0	.0	.1							5	5		
/ 69								.0	.0	.0								4	4		
6 / 67				.1	.1			.1	.1									13	13		
6/ 65						.0	.1	.1	.0									13	13		
6/ 63			.0	.0	.1	.0	.1	.1										17	17	4	
/ 61				.1	.1	.1	.3	.1										34	34	2	
/ 59			.2	.2	.3	.1	.3	.1										66	66	2	4
/ 57			.3	.5	.3	.4	.1	.1										93	93	2	3
5 / 55		.2	.3	.6	.5	.5	.1											125	125	31	1
4/ 53	.1	.5	.5	.9	.	.1	.1											186	186	75	11
2/ 51	.0	.4	1.5	.7	1.4	.2	.1											256	256	115	47
5 / 49	.1	.4	1.6	1.6	.6	.2	.1											266	266	171	50
/ 47	.2	1.4	1.9	1.9	1.0	.3	.1											409	409	270	62
4 / 45	.4	3.0	3.9	2.9	1.4	.4	.3											718	718	435	210
4/ 43	.3	2.4	3.0	2.9	.7	.2												569	569	464	277
2/ 41	.4	3.5	3.6	2.5	.5	.0	.1											634	634	582	369
4 / 39	.5	3.7	4.3	1.6	.3	.1												625	625	666	387
3 / 37	.5	2.6	3.5	1.1	.2	.2												476	476	729	531
/ 35	.3	2.7	3.2	.5	.2	.1												410	410	619	642
3 / 33	.2	2.2	2.4	.5	.1													326	326	542	485
2/ 31	.1	2.1	1.3	.3	.1													239	239	408	528
/ 29	.2	1.7	.9	.2														177	177	305	539
/ 27	.3	1.4	.4															125	125	225	575
/ 25	.2	.9	.1															69	69	153	385
2 / 23	.2	.7	.1															59	59	84	278
2/ 21	.3	.2																26	26	47	197
/ 19	.2																	10	10	20	138
/ 17	.2	.0																13	13	13	82
1 / 15	.1																	7	7	7	46
/ 13	.1																	5	5	5	38
1 / 11	.0																	1	1	1	28
/ 9																					25
/ 7																					6

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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AWS 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

727120 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | MAR MONTH

ALL HOURS (L. S. T.)

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					
/ S																						12
-/ ?																						1
TOTAL	4.6	30.0	33.0	19.0	8.6	2.9	1.3	.5	.1	.1	.1								5977	5977	5977	5977

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.	32178874	429612	71.9	14.746	5977							
Dry Bulb	10836869	249741	41.8	8.199	5977		91.0	2.9	.1			744
Wet Bulb	8932808	227166	38.-	7.073	5977		157.8					744
Dew Point	6811734	195940	32.8	8.061	5977		358.2					744

USAFETAC FORM AR 94 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 65-68,79,81 YEARS | APR MONTH

PAGE 1 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 63					.2													1	1		
2/ 61					1.1													5	5		
/ 59				.2	.7													4	4		
/ 57				.9	.2													5	5		
5 / 55		.2	.2	.5														4	4	1	
4/ 53		.5	1.4	.9														12	12	9	1
2/ 51		3.7	1.6	1.1	.2	.7												32	32	12	1
5 / 49	.2	2.8	2.1	1.6	.7	.2												33	33	32	14
4 / 47	.5	6.9	2.5	2.1	.5													54	54	26	28
4 / 45	.2	4.8	2.5	2.8	.2													46	46	48	39
4/ 43	.2	4.1	2.3	1.8	.2													38	38	44	37
2/ 41		4.8	3.0	1.8	.2													43	43	43	26
4 / 39	1.1	4.4	4.8	1.4														51	51	44	40
3 / 37	1.1	2.8	1.8	.7														28	28	53	31
/ 35	.7	4.1	1.4	.9														31	31	43	40
3 / 33	.9	2.5	1.8	.2														24	24	29	49
2/ 31		2.1	1.6															16	16	23	37
/ 29		1.1	.5															7	7	16	29
2 / 27		.2																1	1	10	27
/ 25																				2	7
2 / 23																					5
2/ 21																					13
/ 19																					4
/ 17																					2
TOTAL	5.1	45.1	27.6	17.0	4.4	.9													435		435
																		435		435	

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.	2726824	33976	78.1	12.978	435							
Dry Bulb	837597	18857	43.3	6.815	435		5.0					90
Wet Bulb	727963	17581	40.4	6.333	435		10.6					90
Dew Point	609058	15952	36.7	7.448	435		26.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 | SEMBACH AB DL | 65-68,77-81 | APR
STATION | STATION NAME | YEARS | MONTH

 0300-0500 HOURS (L. S. T.)

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				
[illegible] / 57				.2														1	1		
5 / 55				.9														5	5		
4 / 53			1.3	.4														9	9		
2 / 51	.2	1.1	1.5															15	15	6	1
[illegible] / 49	.6	4.4	.9	.2														33	33	27	8
[illegible] / 47	.6	5.5	.7	.4														39	39	33	29
[illegible] / 45	.2	8.3	4.0	1.8	.2													79	79	50	44
4 / 43	.4	4.6	2.9	1.1														49	49	41	45
2 / 41	.4	5.1	2.8	.7														49	49	55	34
[illegible] / 39	1.3	5.3	5.1	.2	.2													66	66	57	35
3 / 37	2.6	3.7	2.4	1.3														54	54	68	54
[illegible] / 35	1.8	4.4	.9	.4														41	41	64	51
3 / 33	1.1	4.0	1.1	.2														35	35	37	55
2 / 31	1.1	3.7	1.5															34	34	45	48
[illegible] / 29	.6	1.3	1.1															16	16	25	44
[illegible] / 27	.2	2.6	.6															18	18	17	37
[illegible] / 25		.4																2	2	18	11
[illegible] / 23																				2	16
2 / 21																					16
[illegible] / 19																					14
[illegible] / 17																					2
1 / 15																					1
TOTAL	17.8	54.3	26.8	7.7	.4														545		545
																		545		545	

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.	3766634	44910	82.4	11.005	545							
Dry Bulb	926017	22183	40.7	6.517	545		11.6					90
Wet Bulb	831962	21006	38.5	6.406	545		17.7					90
Dew Point	721647	19397	35.6	7.584	545		31.2					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7123 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
APR — MONTH

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

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				
4/ 63					.1													1	1		
2/ 61			.1		.2													3	3		
/ 57			.1	.1	.1	.1												4	4	1	
5 / 55		.1	.1	.1	.1													4	4	1	
4/ 53		.4	.7	.2	.1													12	12	7	1
2/ 51	.6	1.1	.7	.2	.1													23	23	13	8
5 / 49		3.8	2.5	.6														56	56	19	12
/ 47		3.7	1.1	.6	.1													45	45	54	30
/ 45	.7	6.2	3.8	1.6														100	100	70	69
4/ 43	.6	4.4	3.7	.9	.2													80	80	56	43
2/ 41	.1	5.2	2.5	1.0	.1													72	72	77	53
/ 39	.5	5.3	4.3	.7	.1													89	89	76	54
3 / 37	1.9	5.4	3.3	1.2	.1													97	97	93	56
/ 35	.9	5.2	2.7	.9														78	78	97	86
3 / 33	.7	3.7	1.7	.7														56	56	82	72
2/ 31	.2	2.8	1.7	.1														40	40	71	89
/ 29	.6	2.2	1.2	.1														34	34	48	63
/ 27	.4	1.1																12	12	26	68
/ 25		.4																3	3	16	30
/ 23																				2	34
2/ 21																					22
/ 19																					13
/ 17																					3
/ 15																					2
/ 13																					1
TAL	7.3	51.2	30.5	9.3	1.6	.1													809		809
																		809		809	

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.	5376326	65280	80.7	11.601	809							
Dry Bulb	1373953	32921	40.7	6.514	809		9.9					90
Wet Bulb	1219053	30977	38.3	6.384	809		18.1					90
Dew Point	1038118	28318	35.0	7.617	809		36.2					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7123 — STATION
SEMBACH AB DL — STATION NAME
65-68,76-81 — YEARS
APR — MONTH

0900-1100 — HOURS (L. S. T.)

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				
76/ 75								.1	.1									2	2		
74/ 73								.1										1	1		
72/ 71							.2	.2										4	4		
/ 69						.1	.2											3	3		
68/ 67							.1											1	1		
66/ 65						.2	.1	.1										4	4		
64/ 63				.2	.1	.9	1.0											20	20		
62/ 61				.1	.4	.6	.3	.1										14	14	1	
/ 59			.2	.1	1.1	.6	.2	.1										21	21	7	
/ 57			.2	1.0	1.5	.7	.2											32	32	7	
56/ 55		.3	.6	1.6	1.3	.8	.1											42	42	6	
54/ 53	.1	.3	2.7	1.6	2.0	.7	.2											68	68	25	-
52/ 51	.3	1.5	2.2	1.5	2.5	.6	.2											78	78	43	18
50/ 49		1.9	2.5	1.9	1.1	.2												68	68	75	17
48/ 47	.2	3.4	1.6	2.5	.8	.2	.1											78	78	101	41
46/ 45		2.8	2.5	3.7	1.8	.9												104	104	98	85
44/ 43		3.1	2.5	2.6	1.0	.3												85	85	79	68
42/ 41	.2	2.6	4.5	1.7	.8													87	87	85	77
40/ 39	.2	3.6	3.5	1.7	.9													88	88	79	74
38/ 37	.9	2.1	1.5	1.0														49	49	120	71
36/ 35	.1	.9	1.5	.6														27	27	71	105
34/ 33	.1	.6	.6															11	11	53	83
32/ 31		.3	.1															4	4	33	70
/ 29		.2																2	2	9	42
28/ 27																				1	59
26/ 25																					26
24/ 23																					27
22/ 21																					14
/ 19																					11
18/ 17																					3
TOTAL	2.2	23.6	26.4	21.6	15.3	6.7	3.1	.8	.1									893	893		893
																		893		893	

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
Ref. Hum.	4431277	61425	68.8	15.203	893							
Dry Bulb	2042935	42163	47.2	7.650	893		.6	1.1	.3			90
Wet Bulb	1647646	37940	42.5	6.329	893		4.3					90
Dew Point	1259937	32879	36.8	7.440	893		25.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | APR MONTH

PAGE 1 1200-1400 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
/ 81										.1	.1							2	2		
/ 79									.1		.3							4	4		
7 / 77									.3	.1								4	4		
76 / 75								.1										1	1		
4 / 73								.2										2	2		
/ 71								.1	.1	.1								3	3		
/ 69								.8	.3	.1								11	11		
6 / 67					.1	.3	.2	.4	.2									12	12		
6 / 65				.1	.3	.2	1.1	.8	.2									25	25		
4 / 63				.2	.7	1.2	1.1	1.2	.4									44	44	4	
/ 61				.2	1.3	1.1	1.3	.3	.1									40	40	4	
/ 59				.8	1.5	1.5	1.1	.3	.1									47	47	9	
/ 57			.2	1.0	1.6	1.9	1.2	.3										55	55	13	
5 / 55			1.0	.8	1.7	2.7	.4	.2										61	61	24	
4 / 53	.1	.6	1.2	1.2	2.0	.8	.4	.2										59	59	58	5
2 / 51	.3	.6	2.0	2.0	2.1	.8	.3	.1										74	74	73	21
50 / 49		.6	1.3	2.8	1.9	1.2	.6	.1										76	76	73	19
4 / 47		1.9	1.7	1.9	1.7	.8	.1											72	72	83	44
48 / 45	.2	1.0	2.2	4.9	2.0	2.2	.1											114	114	116	73
4 / 43		1.3	2.0	2.4	1.2	.6												67	67	81	60
2 / 41	.1	1.8	1.7	2.5	1.1													64	64	86	75
4 / 39	.1	2.2	1.8	.1														38	38	87	88
3 / 37		.1	.2	.1														4	4	86	94
/ 35		.4		.1														5	5	62	99
3 / 33		.6																5	5	21	56
2 / 31																				6	73
/ 29																				1	42
/ 27																					59
/ 25																					24
0 / 23																					17
2 / 21																					17
/ 19																					13
/ 17																					7
1 / 15																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	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.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10?120 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | APR MONTH

 1200-1400 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
/ 13																				1
TOTAL	.9	11.1	15.5	21.3	19.3	15.3	8.2	5.4	2.0	.4	.4							889	889	889

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.	3376874	52772	59.4	16.586	889							
Dry Bulb	2436457	45921	51.7	8.518	889			3.9	1.3	.3		90
Wet Bulb	1815112	39768	44.7	6.381	889		.7					90
Dew Point	1261428	32786	36.9	7.674	889		25.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible]120 | SEMBACH AB DL | 65-68,76-81 | APR
STATION | STATION NAME | YEARS | MONTH

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

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					
[illegible] / 83												.1						1	1		
[illegible] / 81											.1	.1						2	2		
[illegible] / 79											.5							4	4		
7 / 77											.2							2	2		
[illegible]6 / 75								.1										1	1		
[illegible]4 / 73							.2	.1	.2									5	5		
[illegible] / 71								.1	.5	.2								7	7		
[illegible] / 69						.1		.8	.6	.1								1[illegible]	14		
[illegible] / 67						.[illegible]	.7	1.4	.7									2[illegible]	25		
6 / 65					.5	.3	1.2	.9	.8									33	33		
[illegible]4 / 63					.5	1.0	1.5	1.0	1.2									46	46	1	
[illegible] / 61				.2	.8	1.0	1.2	.8	.1									37	37	7	
[illegible] / 59				.7	1.4	1.4	1.6	.9	.1									53	53	7	
[illegible] / 57			.1	1.0	.8	1.1	2.0	.5	.1									5[illegible]	[illegible]3	14	
5[illegible] / 55			.3	1.2	1.5	1.7	.6	.6										54	54	31	1
[illegible]4 / 53		.5	2.0	1.8	.9	.8		.1										54	54	59	4
[illegible]2 / 51	.1	1.2	1.1	1.2	2.5	1.2	.8	.3										76	76	66	9
5[illegible] / 49		.5	1.4	3.1	.7	1.8	1.3											74	74	89	20
[illegible] / 47		1.1	1.6	2.5	2.[illegible]	1.0	.6	.1										79	79	83	28
[illegible]4 / 45	.2	1.2	3.4	3.5	2.9	1.7	.3											118	118	101	77
[illegible]4 / 43		1.7	2.3	1.9	.7	.3												59	59	88	68
[illegible]2 / 41	.2	2.6	.7	.9	.6													44	44	104	87
[illegible] / 39	.1	1.2	.9	.1	.3													24	24	95	91
3[illegible] / 37		.8	.3															10	10	72	88
[illegible] / 35		.7	.1															7	7	48	90
3[illegible] / 33		.3	.1															4	4	11	59
[illegible]2 / 31																				7	52
[illegible] / 29																					54
[illegible] / 27																					60
[illegible] / 25																					24
[illegible]4 / 23																					[illegible]
[illegible]2 / 21																					12
[illegible] / 19																					16
[illegible] / 17																					9

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	≥ [illegible] F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | APR MONTH

 1500-1700 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
1 / 17																					1
/ 13																					1
1 / 11																					1
TOTAL	.7	11.9	14.2	18.2	16.0	13.7	11.8	7.9	4.3	.3	.8	.2							883		883
																		883		883	

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.	3206109	50743	57.5	18.135	883							
Dry Bulb	2508966	46420	52.6	8.821	883			6.2	1.5	.6		90
Wet Bulb	1830241	39825	45.1	6.214	883		.7					90
Dew Point	1236632	32338	36.6	7.702	883		26.0					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB GL — STATION / STATION NAME
65-68,76-81 — YEARS
APR — MONTH

1800-2000 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
/ 79										.1	.3							3	3		
7 / 77										.1								1	1		
/ 75										.1								1	1		
4/ [illegible]								.1	.1									2	2		
/ 71								.3	.1									3	3		
/ 69						.1		.1	.3									4	4		
/ 67						.3	.1	.1										4	4		
6/ 65						.1	.5	1.0										13	13		
4/ 63				.1	.5	.9	1.1	.9	.3									30	30		
/ 61				.5	.4	.8	1.6	.3										28	28	1	
/ 59			.1	.3	[illegible]	1.1	.5	.3										25	25	7	
/ 57			.3	.8	.9	1.5	.9	.4										37	37	8	
5 / 55			.4	2.0	1.4	1.6	.5	.1										48	48	14	
4/ 53	.4	.4	1.6	1.4	1.3	1.0	.8											54	54	29	4
2/ 51		1.1	3.2	1.6	1.8	1.3	.8	.3										79	79	47	3
9 / 49	.1	1.8	2.7	2.1	1.4	1.1	.3											75	75	77	26
/ 47		1.5	1.6	1.3	2.1	1.1	.1											62	62	88	27
4 / 45		2.4	2.7	3.0	3.2	1.3	.3											101	101	81	78
4/ 43		1.8	3.[illegible]	3.0	1.4	.1												74	74	63	46
2/ 41	.3	3.2	2.4	1.9	.9	.3												70	70	71	70
/ 39	.6	1.8	1.0	.5	1.5													43	43	101	105
3 / 37	.3	.8	1.1	.4	.3													22	22	87	52
/ 35	.1	.8	.3	.3														11	11	53	70
3- / 33		.3																2	2	26	6[illegible]
2/ 31																				18	61
/ 29																				1	38
/ 27																					62
/ 25																					29
/ 23																					23
2/ 21																					8
/ 19																					15
/ 17																					9
1 / 15																					4
/ 13																					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												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 | SEMBACH AB DL | 65-68,76-81 | APR
STATION | STATION NAME | YEARS | MONTH

PAGE 2 | 1800-2100
HOURS (L.S.T.)

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				
TOTAL	1.	15.	72	0.	31	9.	21	7.	8	12.	6	7.	4	3.	8	.	8	.	4	.	3	792	792	792	792

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.	3317988	49330	62.3	17.615	792							
Dry Bulb	2307149	39373	49.7	7.933	792			2.0	.8			90
Wet Bulb	1532809	34505	43.6	6.110	792		2.2					90
Dew Point	1089755	28717	36.3	7.831	792		28.5					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 SEMBACH AB DL 65-68,76-81 APR
STATION STATION NAME YEARS MONTH

PAGE 1 2100-2300
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
/ 69							.1											1	1		
5 / 67						.1	.1											2	2		
6/ 65						.1	.3											3	3		
4/ 63						.2												2	2		
/ 61					.4	.3												5	5		
/ 59				.4	.7	.6												12	12		
/ 57			.1	.6	.4	.4	.3											13	13	2	
5 / 55			.6	.7	1.6	1.0												27	27	4	
4/ 53	.4	.3	.6	1.6	1.2	.7	.3											35	35	16	3
2/ 51		.7	2.8	2.1	2.1	1.0												59	59	15	
/ 49		2.4	1.5	1.6	1.7													44	44	37	15
/ 47	.1	4.3	2.5	2.8	1.3	.1												76	76	64	22
4 / 45		4.7	4.0	3.1	1.5	.6												94	94	79	57
4/ 43	.3	2.9	2.6	2.1	1.0	.7												66	66	82	47
/ 41		3.1	3.5	2.4	.4													64	64	71	57
/ 39	.7	5.1	2.8	1.5	.7													74	74	70	78
3 / 37	.6	2.2	2.1	1.5	.1													44	44	82	54
/ 35		2.1	1.8	1.6	.1													36	38	61	71
3 / 33	.3	.6	.9	.7														17	17	46	61
2/ 31		.1	.1	.3														4	4	26	59
/ 29																				19	42
/ 27																				3	40
/ 25																				1	20
/ 23																					13
2/ 21																					17
/ 19																					11
1 / 17																					9
1 / 15																					3
/ 13																					1
TOTAL	2.5	28.5	25.9	22.9	12.8	6.2	1.2												680		680
																		680		680	

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.	3584694	48240	70.9	15.470	680							
Dry Bulb	1435589	30903	45.4	6.777	680		.5	.4				90
Wet Bulb	1180275	28039	41.2	5.960	680		6.5					90
Dew Point	917606	24446	36.0	7.557	680		28.5					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7712 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | APR MONTH

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
9/ 83												.0						1	1		
/ 81										.0	.0	.0						4	4		
/ 79									.0	.0	.2							11	11		
7 / 77									.1	.0	.0							7	7		
6/ 75								.1	.0	.0								5	5		
4/ 73							.0	.1	.1									10	10		
/ 71							.0	.1	.1	.1								17	17		
/ 69						.1	.1	.3	.2	.0								33	33		
6 / 67					.0	.1	.2	.3	.1									44	44		
6/ 65				.0	.1	.2	.5	.4	.2									78	78		
4/ 63				.1	.3	.6	.7	.5	.3									144	144	5	
/ 61			.0	.2	.6	.5	.7	.2	.0									132	132	13	
/ 59			.1	.3	.8	.7	.5	.2	.0									162	162	30	
/ 57			.2	.7	.8	.8	.7	.2	.0									197	197	45	
5 / 55		.1	.4	1.0	1.1	1.1	.2	.2										245	245	61	1
4/ 53	.1	.4	1.5	1.2	1.1	.6	.2	.1										303	303	203	20
2/ 51	.2	1.2	1.9	1.3	1.6	.7	.3	.1										436	436	275	61
2/ 49	.1	2.1	1.9	1.9	.9	.7	.3	.0										459	459	429	137
/ 47	.1	3.2	1.6	1.8	1.2	.5	.1	.0										505	505	532	249
4 / 45	.2	3.6	3.1	3.2	1.6	1.0	.1											756	756	645	522
4/ 43	.2	2.8	2.6	2.0	.8	.3												518	518	554	414
2/ 41	.2	3.4	2.6	1.6	.6	.0												493	493	592	479
4 / 39	.5	3.4	2.8	.7	.5													473	473	609	565
3 / 37	.8	2.1	1.5	.7	.1													308	308	661	500
/ 35	.4	2.1	1.0	.5	.0													238	238	499	612
34/ 33	.3	1.4	.7	.2														154	154	307	495
2/ 31	.1	.9	.5	.1														98	98	229	489
/ 29	.1	.5	.3	.0														59	59	119	354
/ 27	.1	.4	.1															31	31	57	412
/ 25		.1																5	5	37	171
/ 23																				4	165
2/ 21																					119
/ 19																					97
/ 17																					44

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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17120 | SEMBACH AB DL | 65-68,76-81 | 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	Dew Point
1 / 15																					13
/ 13																					6
1 / 11																					1
TAL	3.5	27.7	22.8	17.6	12.0	7.8	4.6	2.6	1.1	.2	.2	.0						5926	5926	5926	5926
																		5926		5926	

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.	29786726	406676	68.6	17.805	5926							
Dry Bulb	13568663	278741	47.0	8.788	5926		23.4	16.0	4.6	1.1		725
Wet Bulb	10735061	249641	42.1	6.733	5926		54.2					720
Dew Point	8134181	214833	36.3	7.641	5926		227.3					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] 12[illegible] STATION | SEMBACH AB DL STATION NAME | 65-68,76-77,79 YEARS | MAY MONTH

PAGE 1 0000-0200 HOURS (L. S. T.)

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				
/ 71					.2													1	1		
/ 69					.2													1	1		
/ 67							.2											1	1		
6/ 65			.2			.2	.2											3	3		
4/ 63		.4		1.1		.2												8	8	2	
2/ 61		.2	.6	1.1		.4												11	11	3	
/ 59			1.3	.6	1.1													14	14	1	5
/ 57		.2	2.7	1.5	.4	.2	.2											25	25	10	1
5 / 55	1.1	3.2	1.9	.8	1.3													39	39	23	6
4/ 53	.8	5.5	2.1	1.7	1.5	.2												56	56	44	28
2/ 51	.8	2.9	2.9	2.1	1.5													49	49	51	38
5 / 49	.4	7.4	4.6	1.7	.6													70	70	30	40
/ 47	.4	7.6	2.5	.6														53	53	78	44
4 / 45	.6	5.3	1.1	.6	.4													39	39	72	64
4/ 43	.6	2.9	1.7	.2														27	27	59	48
2/ 41		2.9	1.1	.6														22	22	11	42
4 / 39	.4	3.2	.6															20	20	31	41
3 / 37	.6	1.7	.8															15	15	29	35
/ 35	.8	2.5																16	16	17	31
3[illegible] / 33	.2	.6																4	4	11	25
2/ 31		.2																1	1	2	13
/ 29																				1	11
/ 27																					3
TOTAL	7.4	46.7	24.2	12.6	7.2	1.3	.6												475		475
																		475		475	

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.	3177339	38377	80.8	12.722	475							
Dry Bulb	1184085	23491	49.5	6.866	475		.2	.6				93
Wet Bulb	1043768	22078	46.5	6.090	475		.6					93
Dew Point	919918	20662	43.5	6.679	475		5.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7123 — STATION
SEMBACH AB DL — STATION NAME
65-68,77-81 — YEARS
MAY — MONTH

0300-0500 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
4/ 63		.2	.3															3	3		
2/ 61				.2														1	1	3	
/ 59		.5	1.2	.7														14	14		3
/ 57		.7	1.4	.7	.2													17	17	4	1
5 / 55	.3	1.6	1.2	.2	.3			.2										22	22	13	5
4/ 53	.9	5.4	1.9	1.7	.5	.2												61	61	32	18
2/ 51	.2	3.8	2.1	1.0	.3													43	43	43	31
5 / 49	.5	6.4	3.5	2.2	.2													74	74	58	42
/ 47	1.4	9.3	3.5	.9	.2													88	88	76	59
/ 45	1.0	8.6	1.6	1.4	.5													76	76	94	70
4/ 43	.7	4.8	.9	.3														39	39	80	65
2/ 41	.2	3.6	2.1	.7														38	38	37	69
4 / 39	1.0	3.8	1.6	.3														39	39	35	51
2 / 37	.3	3.1	.7															24	24	44	31
/ 35	.9	2.9	.3															24	24	35	40
3 / 33	.7	.7	.2															9	9	22	38
2/ 31	.3	.5																5	5	8	22
/ 29		.2																1	1	1	13
2/ 27		.2																1	1	2	14
/ 25																					4
2/ 23																					3
TOTAL	8.5	56.3	22.3	10.4	2.2	.2		.2											579		579
																		579		579	

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.	4143200	48524	83.8	11.510	579							
Dry Bulb	1296570	27152	46.9	6.347	579		1.1					93
Wet Bulb	1171312	25838	44.6	6.021	579		1.8					93
Dew Point	1050884	24348	42.1	6.835	579		9.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB OL 65-68,76-81 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0900
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
/ 71					.1													1	1		
/ 67			.1															1	1		
6/ 65			.1	.2														3	3	1	
4/ 63			.2	.1	1.1			.1										13	13	2	
/ 61		.2	.2	1.1	.4													16	16		3
/ 59		.6	1.8	.7	.6	.2		.1										34	34	6	2
/ 57		1.3	2.2	1.3	.6	.1	.2	.1										43	43	14	4
5/ 55	.1	1.4	2.2	1.2	.7	.2		.1										50	50	40	17
4/ 53	.7	4.3	2.2	1.8	.5	.4												79	79	50	22
2/ 51	.8	3.5	4.2	1.9	1.1	.2												98	98	78	54
5/ 49	1.2	5.3	4.5	2.3	.2													110	110	78	76
/ 47	.7	7.0	3.3	.7	.1	.2												100	100	124	69
4/ 45	1.0	6.3	3.4	1.3	.7													105	105	129	116
4/ 43	.4	2.9	1.4	1.0														47	47	95	91
2/ 41	.1	2.5	2.0	.7														45	45	55	95
/ 39	.5	2.4	1.6															37	37	45	60
3/ 37	.8	1.1	.2															18	18	56	59
/ 35	.2	1.6	.5															19	19	28	47
3/ 33	.2	.4	.1															6	6	17	38
2/ 31		.2	.1															3	3	5	30
/ 29		.2																2	2	3	15
/ 27																				2	21
/ 25																					6
/ 23																					3
TOTAL	6.6	40.6	30.4	14.1	6.1	1.4	.2	.5											830		830
																		830		830	

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.	538,517	65955	79.5	12.971	830							
Dry Bulb	2037564	40762	49.1	6.563	830		.6	.2				93
Wet Bulb	1785550	38172	46.0	6.016	830		1.1					93
Dew Point	1553715	35437	42.7	7.009	830		8.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 65-68,76-81 — MAY

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0900-1100 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
/ 81							.1											1	1		
/ 79								.1	.1									2	2		
7 / 77					.1			.2										3	3		
6 / 75						.1		.3										4	4		
4 / 73					.1		.3	.4		.1								9	9		
/ 71					.3	.2	.5	.4	.2									15	15		
/ 69				.3	.1	1.1	.4	.5	.1									24	24	2	
/ 67				.2	.9	1.1	.7		.1									27	27		
6 / 65			.1	.1	1.3	1.2	.8	.2	.2	.1								34	34	4	
4 / 63				1.6	2.1	1.8	.2	.7										58	58	9	2
2 / 61			1.1	1.5	2.2	1.1	.9	.3										65	65	25	2
/ 59		.1	1.1	1.3	1.9	1.3	.9	.3										60	60	24	8
/ 57		.5	1.5	2.9	2.4	1.5	.3											84	84	55	4
9 / 55		1.3	3.2	3.5	1.3	2.2	.5											110	110	76	19
4 / 53	.2	1.1	2.6	3.0	1.8	.5	.2											86	86	81	50
2 / 51	.1	2.2	4.3	2.6	1.3	.2	.2											97	97	110	64
5 / 49		1.6	3.6	1.8	.7	.7												76	76	128	78
/ 47		3.3	1.6	1.2	.3													59	59	127	86
4 / 45	.1	1.3	1.2	1.8	.8													47	47	112	155
4 / 43		.2	1.1	1.3	.2													26	26	52	90
2 / 41		1.0	.3	.1														13	13	33	85
4 / 39		.8	.2															9	9	43	63
3 / 37		.2																2	2	25	49
1 / 35																				5	57
3 / 33																					35
2 / 31																					22
/ 29																					19
1 / 27																					18
1 / 25																					4
1 / 23																					1
TOTAL	.4	13.7	21.7	23.3	17.3	12.7	6.1	3.6	.8	.2									911		911
																		911		911	

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.	4134576	59860	65.7	14.873	911							
Dry Bulb	2886389	50803	55.8	7.653	911			8.7	1.9	.1		93
Wet Bulb	2278131	45231	49.6	5.969	911			.2				93
Dew Point	1787841	39853	43.7	6.986	911		6.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 127 STATION | SEMBACH AB OL STATION NAME | 65-68,76-81 YEARS | MAY MONTH

 1200-1400 HOURS (L. S. T.)

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				
/ 83										.1								1	1		
/ 81							.2	.2	.2	.2		.1						9	9		
/ 79									.3	.4	.1							6	8		
7 / 77							.1	.2	.8	.4	.1							15	15		
6 / 75						.1	.2	1.1	1.3	.2	.2							29	29		
4 / 73					.1	.4	.9	1.5	.1	.2	.1							31	31		
/ 71					.2	.3	1.3	.5	.2	.1								25	25		
/ 69				.1	.3	.4	1.2	.9	.9	.3								38	38	2	
6 / 67				.1	.4	1.0	1.1	.1	.7									31	31	2	
6 / 65			.1	.4	.7	1.1	1.0	.5	.8									42	42	6	
4 / 63				1.5	2.3	3.9	1.3	1.3	.8									102	102	25	2
2 / 61			.3	1.8	2.6	1.8	1.2	.9	.2									80	80	38	2
/ 59			.8	2.0	2.4	1.8	1.3	.4										79	79	57	9
/ 57		.4	1.4	2.5	2.1	2.5	.9	.3										93	93	63	9
5 / 55		.3	1.6	2.8	1.6	.9	.2	.2										71	71	82	21
4 / 53	.1	.8	1.1	3.3	.9	.7	.1	.1										64	64	112	39
2 / 51	.4	.7	.9	2.3	1.1	.5	.3											57	57	122	60
1 / 49		1.3	2.3	1.5	.7	.3												56	56	105	78
/ 47		1.4	.3	.3	.4	.2												25	25	127	88
4 / 45	.2	.5	1.3	1.0	1.1	.3												41	41	62	147
4 / 43		.1	.9	.1	.2													12	12	39	80
2 / 41		.3	.2															5	5	30	76
4 / 39																				28	70
3 / 37																				13	63
1 / 35																				2	49
3 / 33																					31
2 / 31																					21
1 / 29																					14
1 / 27																					21
/ 25																					10
2 / 23																					4
TOTAL	.8	5.9	11.3	19.8	17.2	16.3	11.4	8.4	6.2	2.1	.5	.1							914		914
																		914		914	

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.	3258240	52622	57.6	15.824	914							
Dry Bulb	3333601	54631	59.8	8.645	914			19.0	9.5	1.5		93
Wet Bulb	2454408	47028	51.5	6.163	914			.4				93
Dew Point	1796556	39970	43.7	7.299	914		7.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | SEMBACH AB GL STATION NAME | 65-68,76-81 YEARS | MAY MONTH

PAGE 1 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
[redacted] / 83								.2		.1	.2							5	5		
/ 81							.3	.2	.1	.3	.1	.1						11	11		
/ 79								.1	.8		.2							10	10		
7 / 77							.3	.4	.6	1.3	.1							25	25		
6/ 75						.3	.3	1.7	1.8	.6	.2							44	44		
4/ 73							.4	1.0	1.3	.1	.1							27	27		
/ 71					.1		.4	1.2	.6	.7								27	27		
/ 69				.3	.2	1.1	.1	.7	.2	.8	.1							32	32	5	
/ 67				.4	.2	.3	1.2	.3	1.0	.1								33	33	3	
6/ 65				.2	1.	1.2	.8	.8	.8	.3								46	46	12	
4/ 63				1.3	3.5	4.9	.7	1.4	1.3	.1								120	120	24	5
/ 61			.1	.8	2.2	1.9	2.	1.4	.1									77	77	42	4
/ 59			.9	1.4	2.1	2.	2.	.3										79	79	48	12
/ 57		.3	.4	2.5	2.2	2.3	.2	.6										78	78	69	5
5 / 55		.3	.9	2.1	1.7	.4	.6	.3										57	57	90	18
4/ 53		.6	.9	3.3	1.3	.7	.2											63	63	96	36
2/ 51	.1	1.6	1.8	1.1	1.3	.3	.1											57	57	115	49
0 / 49	.2	1.4	1.7	.6	.3	.8	.1											46	46	129	90
/ 47		.8	.3	.3	.7	.6	.2											26	26	121	82
4 / 45	.1		1.8	1.2		.3												31	31	51	164
4/ 43			.8															7	7	34	69
2/ 41		.1																1	1	30	78
0 / 39																				24	63
7 / 37																				8	59
/ 35																				1	53
3 / 33																					40
2/ 31																					21
1 / 29																					23
/ 27																					10
/ 25																					6
/ 23																					11
2/ 21																					3
/ 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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
AWS A4

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17120 STATION | DEMPACH AB DL STATION NAME | 65-68,76-81 YEARS | MAY MONTH

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

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					
TAL	.4	5.1	9.5	15.7	17.0	17.2	10.1	10.6	8.5	4.4	1.1	.1							902	902	902	902

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.	2955236	49450	54.8	16.465	902							
Dry Bulb	3427065	55517	61.0	8.898	902			22.1	12.6	2.0		93
Wet Bulb	2460702	46782	51.9	6.176	902			.8				93
Dew Point	1749639	39137	43.4	7.562	902		7.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — STATION NAME — 65-68,76-81 — YEARS — MAY — MONTH

 1800-2000 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
/ 81							.1	.2	.1	.2								6	6		
/ 79							.1	.1			.1							3	3		
[illegible] / 77						.1	.1	.1	.4	.2	.1							9	9		
6/ 75						.5	.1	.9	.5	.5								20	20		
4/ 73					.1	.1	.6	1.0	.5	.4								22	22		
[illegible] / 71			.1				1.0	1.2	.2	.4								24	24		
/ 69					.2	.7	1.0	.1	.7	.1								24	24	1	
[illegible] / 67					.5	.5	.5	.6	.7									23	23	6	
6/ 65			.1	.2	.9	1.5	.5	.5	.9									37	37	8	
4/ 63				.6	1.7	2.5	1.1	1.1	.4									60	60	6	2
[illegible] / 61		.2	.5	1.7	3.1	1.7	1.2	.2	.5									75	75	23	5
/ 59		.4	.7	1.0	2.3	2.1	1.5	.5										69	69	45	9
/ 57		.5	1.6	3.1	1.9	2.3	.4	.6										84	84	56	5
5 / 55		1.0	1.7	3.0	2.6	1.5	.7											85	85	57	16
4/ 53		.5	1.9	3.5	.9	.2	.2											58	58	92	29
2/ 51	.1	1.1	3.0	1.4	1.7	.6	.2											66	66	109	50
[illegible] / 49	1.2	1.4	1.7	1.5	.6	.5												56	56	114	80
/ 47	.4	1.9	.7	.7	.7	.2	.2											40	40	116	83
4 / 45	.1	.6	1.0	1.1	.5	.2												29	29	65	133
4/ 43	.1		.6	.2	.2													10	10	43	78
2/ 41		.2	.2	.2														6	6	30	62
4 / 39		.4																3	3	16	53
3 / 37		.1																1	1	16	61
/ 35																				5	53
3 / 33																					69
2/ 31																					14
[illegible] / 29																					12
2 / 27																					26
[illegible] / 25																					5
[illegible] / 23																					2
2/ 21																					2
/ 19																					1
TOTAL	2.0	8.3	14.0	18.3	18.0	15.4	9.8	7.3	4.9	1.9	.2							810			810
																		810		810	

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.	3143419	48561	60.0	16.938	810							
Dry Bulb	2818185	47297	58.4	8.353	810			15.0	6.9	.8		93
Wet Bulb	2114269	41094	50.7	6.032	810			.8				93
Dew Point	1573305	35193	43.4	7.369	810		7.1					93

USAFETAC FORM 0-26-5 (OL A) 8-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 65-68,76-81 (YEARS) — MAY (MONTH)

 2100-2300 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	Wet Bulb	Dew Point
[illegible]/ 75						.1												1		1		
4/ 73						.1		.1										2		2		
[illegible]/ 71					.?		.1	.1										4		4		
[illegible]/ 69					.1	.1	.1	.3	.1									6		6		
[illegible]/ 67			.6	.1	.3	.3	.4		.1									13		13		
6/ 65			.1	.4	.9	.9	.6		.3									22		22	5	
4/ 63			.4	1.1	.9	1.3	.1	.3	.1									30		30	3	2
[illegible]/ 61			.6	1.9	1.4	.6	.6											35		35	6	4
/ 59		.1	.9	1.3	1.6	1.1	.6	.3										41		41	11	3
/ 57		1.3	1.6	1.6	.7	1.4	.4											49		49	36	7
5/ 55	.3	1.7	2.9	2.9	.9	.7	.1											66		66	54	11
4/ 53		2.4	2.6	4.0	1.7	.4	.3											80		80	50	33
2/ 51	.1	2.2	5.2	1.6	1.9	.7												81		81	65	33
5/ 49	.7	3.4	5.7	1.1	.6	.4												84		84	93	64
[illegible]/ 47	.6	3.0	1.6	1.6	1.3													54		54	130	66
4/ 45	.9	3.0	1.3	2.7	.4													58		58	82	113
4/ 43	.3	1.6	1.1	1.3	.1													29		29	56	83
2/ 41	.1	1.3	.6	.3														14		14	35	51
[illegible]/ 39		1.3	.3	.4														12		12	35	44
2/ 37	.4	1.3	.3															14		14	22	47
[illegible]/ 35		.1																1		1	16	50
3/ 33																					3	25
2/ 31																						26
[illegible]/ 29																						18
[illegible]/ 27																						13
[illegible]/ 25																						1
[illegible]/ 23																						1
2/ 21																						1
TOTAL	3.4	22.3	25.7	22.1	12.8	8.3	3.4	1.1	.7										696			696
																		696		696		

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.	3694647	49529	71.2	15.642	696							
Dry Bulb	1994698	36926	53.1	7.157	696			3.5	.4			93
Wet Bulb	1639865	33535	48.2	5.884	696							93
Dew Point	1339539	30131	43.3	7.15	696		8.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 12[illegible] SEMBACH AB GE 65-68,76-81 MAY
STATION STATION NAME YEARS MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / [illegible]								•		.0	.0							6	6		
/ 81							.1	.1	.1	.1	.0	.0						27	27		
/ 79							[illegible]	.0	.2	.1	.1							23	23		
7 / 77					•	.0	.1	.1	.2	.3	.0							52	52		
9 / 75						.2	.1	.6	.5	.2	.1							98	98		
4 / 73					•	.1	.3	.6	.3	.1	.0							91	91		
/ 71			.0		.1	.1	.5	.5	.2	.2								97	97		
/ 69				.1	.2	.5	.4	.4	.3	.2	.0							125	125	10	
9 / 67			.1	.1	.3	.5	.6	.1	.4	.0								129	129	11	
8 / 65			.1	.2	.6	.8	.5	.3	.4	.1								187	187	38	
4 / 63		.0	.1	1.0	1.7	2.1	.5	.7	.4	.0								394	394	71	13
/ 61		.1	.4	1.3	1.7	1.0	.8	.4	.1									360	360	140	20
/ 59		.2	1.1	1.2	1.6	1.1	.9	.3										390	390	194	51
/ 57		.6	1.5	2.1	1.5	1.5	.4	.2										473	473	298	36
5 / 55	.2	1.2	2.0	2.2	1.4	.8	.3	.1										500	500	435	113
4 / 53	.3	2.2	1.9	2.9	1.1	.4	.1	.0										547	547	557	255
2 / 51	.3	2.1	3.0	1.8	1.3	.4	.1											548	548	693	399
9 / 49	.5	3.1	3.3	1.6	.5	.4	.2											572	572	727	548
/ 47	.4	3.8	1.6	.8	.5	.2	.1											445	445	899	577
4 / 45	.5	2.8	1.6	1.4	.6	.1												426	426	667	962
4 / 43	.2	1.3	1.0	.5	.1													197	197	458	634
2 / 41	.0	1.3	.7	.3														144	144	261	558
4 / 39	.2	1.2	.5	.1														120	120	259	445
3 / 37	.2	.8	.2															74	74	213	404
/ 35	.2	.7	.1															60	60	179	380
3 / 33	.1	.2	.0															19	19	53	261
2 / 31	.0	.1	.0															9	9	15	169
/ 29		.0																3	3	5	125
[illegible] / 27		.0																1	1	4	126
[illegible] / 25																					38
2 / 23																					25
2 / 21																					6
/ 19																					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												

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

USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | MAY MONTH

PAGE 2 | ALL HOURS (L.S.T.)

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				
TOTAL	3.	21.	819.	217.	613.	110.	2 5.9	4.6	3.0	1.2	.3	.0						6117.	6117	6117.	6117

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.	29887174	412878	67.5	18.170	6117							
Dry Bulb	18978157	336079	54.9	9.162	6117		1.6	78.8	36.1	5.1		744
Wet Bulb	14947994	299728	49.0	6.540	6117		2.9	2.6				744
Dew Point	11771067	264731	43.3	7.166	6117		59.7					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 65-68,76-77,79-81 — JUN

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0000-3200 HOURS (L.S.T.)

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				
/ 71				.4	.2		.4											5	5		
/ 69				.6	.2													4	4		
/ 67			.9		.2													5	5	1	
6/ 65		.4	.9	.6	.6													12	12	2	1
4/ 63	.2	3.4	1.9	1.1	.2													32	32	13	3
2/ 61		1.9	3.4	1.1	.2	.2												32	32	24	18
/ 59		3.6	5.5	2.1														53	53	23	20
/ 57		5.1	6.2	1.7														61	61	53	19
5 / 55	.6	5.5	4.9	1.7	.2													61	61	61	38
4/ 53	.2	6.8	3.8	.6	.2													55	55	77	68
2/ 51	.6	7.2	5.8	.6														67	67	54	79
0 / 49	.2	2.6	4.7	.6														38	38	58	67
/ 47	1.1	3.8	.2	.2														25	25	52	42
4 / 45	.2	2.8																14	14	37	54
4/ 43	.2	.6																4	4	10	37
2/ 41																				3	10
4 / 39	.2																	1	1	1	11
3 / 37																					2
TAL	3.6	43.9	38.2	11.5	2.1	.2	.4												469		469
																		469		469	

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.	3310925	39181	83.5	8.973	469							
Dry Bulb	1469743	26124	55.7	5.584	469			2.7				90
Wet Bulb	1325932	24824	52.9	5.065	469			.2				90
Dew Point	1218667	23779	50.7	5.278	469							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 65-68,77-81 YEARS | JUN MONTH

 0300-0500 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
[illegible] / 67				.2	.2													2	2		
6/ 65		.5		.2	.5													7	7		
4/ 63		1.2	.9	.9														17	17	3	1
[illegible] / 61	.7	3.5	2.3	.2	.3													40	40	18	12
/ 59	.2	3.1	2.1	.2														32	32	24	15
/ 57	.5	6.5	2.8	.5														59	59	40	27
5 / 55	.7	6.6	3.5	.7	.3													68	68	52	48
4/ 53	1.4	9.6	3.5	.9														88	88	31	57
2/ 51	1.2	7.5	3.7	.7	.5													78	78	92	68
[illegible] / 49	.5	6.5	3.1	1.0														64	64	65	79
/ 47	1.9	6.5	.9															53	53	79	60
4 / 45	.9	6.5	.7	.2	.2													48	48	70	91
4/ 43		1.2	.2		.2													9	9	24	43
2/ 41		.5																3	3	10	20
[illegible] / 39		.3																2	2	2	15
3 / 37	.3																	2	2	5	8
/ 35	.2																	1	1	2	8
3 / 33																					1
[illegible] / 25																					1
2/ 21																					1
TOTAL	.66	3.0	23.6	5.6	2.3														573		573
																		573		573	

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.	4343987	49617	86.6	9.119	573							
Dry Bulb	1639665	30501	53.2	5.303	573			.3				90
Wet Bulb	1510491	29275	51.1	5.088	573							90
Dew Point	1408759	28231	49.3	5.587	573		.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 65-68,76-81 — JUN

STATION — STATION NAME — YEARS — MONTH

 0600-0800 HOURS L.S.T.

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				
[illegible] / 75						.2			.1									3	3		
[illegible] / 73					.1	.1	.1	.1										4	4		
[illegible] / 71				.2	.2	.1		.1										6	6		
[illegible] / 69				.2	.6	.4												10	10		
[illegible] / 67		.1	.7	.6	.6	.2												19	19	2	
[illegible] / 65		.1	1.7	1.0	.1	.2												26	26	7	1
[illegible] / 63	.1	.9	2.3	3.8	.6		.1											64	64	20	5
[illegible] / 61	.2	2.9	3.[illegible]	2.1	.9	.5												79	79	35	14
[illegible] / 59	.1	3.2	4.9	1.2	.2	.2												80	80	62	38
[illegible] / 57	.6	4.3	2.9	1.1	.2													75	75	97	51
[illegible] / 55	.1	5.8	2.2	1.9	.5	.1												88	88	102	62
[illegible] / 53	.9	4.9	5.1	1.9	.1													106	106	90	108
[illegible] / 51	.2	5.5	5.6	.6	.4	.1												102	102	104	99
[illegible] / 49	.9	4.8	3.8	.2														79	79	110	68
[illegible] / 47	.4	4.3	.7	.1	.2													47	47	98	68
[illegible] / 45		2.2	.7		.1													25	25	60	125
[illegible] / 43		.5																4	4	23	52
[illegible] / 41	.1	.2																3	3	5	38
[illegible] / 39	.1																	1	1	5	16
[illegible] / 37																				1	6
[illegible] / 35																					5
[illegible] / 33																					1
[illegible] / 31																					1
[illegible] / 27																					2
[illegible] / 25																					1
TOTAL	3.8	39.6	33.6	15.1	5.0	2.3	.2	.2	.1										821		821
																		821		821	

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.	5470558	66406	80.9	11.008	821							
Dry Bulb	2614245	46457	56.1	6.102	821			4.6	.8			90
Wet Bulb	2315681	43385	52.8	5.301	821			.2				90
Dew Point	2087825	41133	50.1	5.740	821		.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 65-68,76-81 — JUN

STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0900-1100 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
≥/ 85										.1		.1						2	2		
4/ 83							.1			.1								2	2		
/ 81							.1	.2	.2	.3	.1							9	9		
/ 79					.1		.1	.4	.3	.3								12	12		
7 / 77					.1	.6	.8	.3	.2									18	18		
6/ 75					.3	.3	1.1	.8	.2									25	25		
4/ 73				.4	.6	1.0	1.7	.4		.1								38	38		
/ 71				.2	1.7	1.5	.7		.1									37	37	3	
/ 69			.2	.8	2.6	1.8	1.3											57	57	2	
6 / 67			.3	1.2	2.1	1.8	.3	.1										53	53	16	1
6/ 65		.2	1.3	2.0	3.1	.6	.4											66	66	38	3
4/ 63		.6	2.7	4.5	3.7	1.7	.2	.1										120	120	64	15
2/ 61		1.2	1.6	3.3	2.3	.9	.3											81	81	96	28
/ 59	.1	1.7	2.2	2.7	1.6	.7												60	60	101	52
/ 57	.3	1.7	2.2	2.6	1.2	.3												75	75	121	94
5 / 55		1.6	3.1	2.7	.9	.2												76	76	103	83
4/ 53	.3	1.1	2.6	2.6	.4													63	63	91	118
2/ 51	.1	.9	2.8	.2	.2													38	38	86	100
5 / 49	.1	1.3	1.2	.1														25	25	83	96
/ 47		1.2	.2	.3														16	16	65	89
4 / 45		.1																1	1	19	110
4/ 43																				6	55
2/ 41																					29
4 / 39																					10
3 / 37																					10
/ 35																					4
TOTAL	1.0	11.6	20.2	23.4	20.7	11.3	6.9	2.5	1.1	1.0	.1	.1							894		894
																		894		894	

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.	4310009	60903	68.1	13.429	894							
Dry Bulb	3542832	55853	62.5	7.760	894			25.5	10.7	1.9		90
Wet Bulb	2846519	50197	56.1	5.631	894			2.1				90
Dew Point	2379685	45831	51.3	5.811	894			.1				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB GE 65-68,76-81 JUN
STATION STATION NAME YEARS MONTH

 1200-1400
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
/ 89												.3	.1					4	4		
8/ 87										.2	.1	.2	.3					8	8		
8/ 85									.1		.3		.2					6	6		
-/ 83						.1	.2	.1		.2	.1	.2	.2					11	11		
/ 81						.1	.8	.4	1.3	.2	.4							30	30		
/ 79					.1	.3	.4	1.5	1.0	.1	.1							32	32		
7 / 77					.1	.2	1.6	.7	.8	.3	.2							35	35		
6/ 75					.4	.9	1.9	1.2	.4	.1								45	45		
4/ 73				.1	.9	1.0	1.9	.8	.3									45	45	2	
/ 71				.2	1.5	1.7	2.2	.7	.1									57	57	6	
/ 69			.1	.7	1.7	3.0	1.5	.2										64	64	12	1
3 / 67			.3	.8	2.2	1.9	.8		.1									55	55	29	2
6/ 65			.6	1.9	2.1	2.9	1.0											76	76	66	4
4/ 63		.2	1.3	3.6	3.2	3.5	.4	.6										115	115	86	18
/ 61		.6	1.3	.9	3.5	1.8	.4											76	75	96	33
/ 59	.1	.7	1.0	2.1	1.5	.7												54	54	122	56
/ 57	.2	1.2	1.8	2.8	.6	.4												63	63	101	71
5/ 55	.1	.7	1.2	1.7	.6	.1												39	39	90	94
4/ 53	.1	1.0	1.2	1.2	.2													34	34	106	119
2/ 51	.3	.8	1.1	.2	.2													24	24	81	97
5 / 49		1.2	.8	.1														19	19	47	90
/ 47		.3		.1														4	4	36	106
4 / 45																				13	108
4/ 43																				1	40
2/ 41																					30
4 / 39																					13
3 / 37																					13
/ 35																					1
TAL	.9	6.7	10.8	16.4	18.7	18.6	13.2	6.1	4.2	1.2	1.3	.8	.9					896	896		896
																		896		896	

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.	3821674	54614	61.0	14.676	896			39.4	21.7	6.7		90
Dry Bulb	3985912	59244	66.1	8.759	896			4.9	.2			90
Wet Bulb	3127?94	51734	57.7	5.712	896			.3				90
Dew Point	2398855	46059	51.4	5.903	896							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SCMRACH AB DL — 65-68,76-81 — JUN

STATION — STATION NAME — YEARS — MONTH

 1500-1700 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
/ 91													.3					3	3		
/ 89										.2	.1	.7	.1	.1				11	11		
8/ 87											.2	.5	.3					9	9		
2/ 85										.1	.1	.2						4	4		
-/ 83						.1	.2	.1	.3	.6	.2	.2	.1					17	17		
/ 81							.3	.6	1.4	.8	.5							31	31		
/ 79						.6	.2	1.7	.8	.7	.2							37	37		
7 / 77					.2	.2	1.4	.8	.9	.5	.3							38	38		
6/ 75				.1	.7	1.2	1.5	1.2										42	42		
4/ 73				.3	1.0	.8	2.9	1.0	.2									56	56	3	
/ 71					.9	1.5	2.8	.3	.2									51	51	3	
/ 69			.1	.3	1.4	3.4	1.2	.6										62	62	15	1
/ 67			.3	.7	2.5	2.4	2.4		.1									74	74	40	2
6/ 65				1.7	1.9	1.8	.7	.3										57	57	74	3
4/ 63		.5	2.3	2.9	3.3	4.4	.7	1.0										129	129	72	21
/ 61		.3	1.4	1.7	2.9	1.5	.2	.1										72	72	102	31
/ 59	.3	.7	1.9	1.6	1.5	1.0												62	62	134	53
-/ 57		.6	1.3	2.0	.9	.3												43	43	87	72
5 / 55		.3	.6	1.6	.7	.3												31	31	103	86
4/ 53		.7	.9	1.2	.3													26	26	100	115
2/ 51	.1	.7	.9	.1	.1													17	17	58	101
1 / 49		1.4	.2	.1														15	15	58	90
/ 47																				29	96
0/ 45																				9	107
0/ 43																					48
-2/ 41																					25
4 / 39																					24
3-/ 37																					9
2/ 35																					3
TOTAL	.5	5.1	9.4	14.2	18.0	19.5	14.5	7.8	3.9	2.8	1.7	1.6	.9	.1					887		887
																		887		887	

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.	3221020	51840	58.4	14.693	887							
Dry Bulb	4,82677	59665	67.3	8.841	887			44.1	25.2	8.8		90
Wet Bulb	3023433	51543	58.1	5.652	887			6.2	.3			90
Dew Point	2363129	45473	51.3	6.001	887			.3				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 SEMBACH AB DL 65-68,76-81 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 1800-2000
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
/ 89											.1	.1						2	2		
8/ 87										.2	.1	.4						6	6		
8/ 85										.1	.1	.2						4	4		
4/ 83									.1	.2	.4	.1						7	7		
/ 81						.1		.2	.4	.5	.2							12	12		
/ 79						.4	.4	.4	.7	.1								16	16		
7 / 77					.1	.6	.9	.7	.9	.1	.1							28	28		
6/ 75				.2	.6	.6	1.7	.6	.4	.1								35	35		
4/ 73				.4	.9	1.1	2.5	.9	.1									47	47	1	
/ 71					.6	.7	2.4	1.2	.1									41	41	1	
/ 69			.1	1.1	1.7	2.9	1.2	.1										58	58	9	
6 / 67			.2	.6	2.2	2.4	1.1	.4		.1								57	57	25	3
6/ 65			.5	1.6	2.7	1.1	.7	.4										57	57	36	4
4/ 63		.9	1.4	3.9	4.4	2.4	.1	.2										106	106	70	12
2/ 61		1.2	.7	2.6	4.4	1.0	.4											83	83	77	32
/ 59	.5	1.1	1.4	1.7	2.1	.5	.1											60	60	119	38
/ 57	.2	.2	1.1	3.0	.7	.9												50	50	99	60
5 / 55		1.1	2.1	2.6	.7	.1												54	54	92	69
4/ 53	.1	.7	1.6	1.2	.6													35	35	90	115
2/ 51	.1	1.2	.9	.5														22	22	70	88
5 / 49		1.6	.1	.2														16	16	58	101
/ 47		.4	.2															5	5	43	92
4 / 45																				10	96
4/ 43																				1	41
2/ 41																					23
4 / 39																					14
3 / 37																					5
/ 35																					7
2/ 31																					1
TOTAL	1.0	8.6	10.5	19.9	22.0	14.9	11.6	5.2	2.7	1.6	1.1	.9							801		801
																		801		801	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	3332661	50319	62.8	14.646	801
Dry Bulb	3425154	51958	64.9	8.278	801
Wet Bulb	2633390	45713	57.1	5.545	801
Dew Point	2119913	40939	51.1	5.866	801

Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.							
Dry Bulb			35.2	17.6	4.3		90
Wet Bulb			4.0	.1			90
Dew Point		.1	.3				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[ ] 1[illegible] STATION | SEMBACH AB DE STATION NAME | 65-68,76-81 YEARS | JUN MONTH

PAGE 1 | 21[illegible]-2300 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
[illegible] / 81											.4	.1						4	4		
[illegible] / 79										.3	.3							4	4		
7[illegible] / 77					.2				.4	.1								5	5		
[illegible] / 75					.1	.1		.1	.1									4	4		
4[illegible] / 73				.2		.4	.1	.1										6	6		
[illegible] / 71			.3	.7	.7	.4	.3	.3										19	19		
[illegible] / 69			.3	.6	1.	.6	.4	.1										21	21	1	
[illegible] / 67			1.6	1.2	1.4	.6	.1	.1										35	35	4	
6[illegible] / 65			1.9	1.4	1.[illegible]	.3	.6											36	36	14	
[illegible] / 63	.3	1.7	2.5	5.5	1.4	1.4	.4											92	92	32	12
[illegible] / 61		1.4	3.5	3.9	1.4	.4												74	74	55	28
[illegible] / 59		2.	5.4	2.6	1.2													77	77	60	33
[illegible] / 57	.6	2.	3.9	3.2	.4	.3												72	72	102	47
5[illegible] / 55	.2	1.7	4.1	2.8	.9	.4												70	70	92	67
[illegible] / 53	.1	1.3	3.6	1.6	.7	.1												66	66	79	91
[illegible] / [illegible]	.4	3.3	3.3	.6														53	53	86	83
5[illegible] / 49	.1	2.2	1.[illegible]	.4														26	26	75	73
[illegible] / 47	.3	2.2	.9															23	23	51	85
[illegible] / 45		.3	.1															3	3	33	08
[illegible] / 43																				6	44
[illegible] / 41																					15
[illegible] / 39																					15
[illegible] / 37																					4
[illegible] / 35																					3
3[illegible] / 33																					2
TOTAL	.22	.33	2.32	4.61	0.6	5.2	2.0	.9	.6	.4	.7	.1						690	690	690	690

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.	3955537	51419	74.5	13.403	690							
Dry Bulb	2475432	41066	59.5	6.745	690			12.8	3.0	1.0		90
Wet Bulb	2086450	37772	54.7	5.214	690			.7				90
Dew Point	1812443	35145	50.9	5.694	690							90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | JUN MONTH

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
/ 91													.0					3	3		
/ 89										.0	.0	.2	.0	.0				17	17		
8/ 87										.1	.1	.1	.1					23	23		
6/ 85									.0	.0	.1	.1	.0					16	16		
4/ 83						.0	.1	.0	.1	.2	.1	.1	.0					37	37		
/ 81						.0	.2	.2	.5	.3	.2	.0						86	86		
/ 79					.0	.2	.2	.6	.4	.2	.1							131	131		
7 / 77					.1	.2	.7	.4	.4	.1	.1							124	124		
6/ 75				.0	.3	.5	.9	.6	.2	.0								154	154		
4/ 73				.2	.5	.6	1.3	.5	.1	.0								196	196	6	
/ 71			.0	.2	.6	.8	1.2	.4	.1									216	216	13	
/ 69			.1	.6	1.3	1.7	.8	.1										276	276	39	2
/ 67		.0	.5	.7	1.6	1.3	.7	.1	.0	.0								300	300	117	6
6/ 65		.1	.8	1.4	1.7	1.0	.5	.1										337	337	237	46
4/ 63	.1	1.0	1.9	3.4	2.3	1.9	.3	.3										675	675	360	87
/ 61	.1	1.5	2.0	2.0	2.2	.9	.2	.0										537	537	503	194
/ 59	.2	1.8	2.8	1.8	1.1	.4	.1											498	498	645	305
/ 57	.3	2.4	2.5	2.2	.6	.3												498	498	706	441
5 / 55	.2	2.6	2.5	2.0	.6	.2												487	487	695	504
4/ 53	.4	3.0	2.7	1.5	.3	.0												473	473	716	791
2/ 51	.3	2.9	2.8	.4	.2	.0												401	401	631	735
5 / 49	.2	2.5	1.6	.3														282	282	554	684
/ 47	.3	2.0	.4	.1	.0													173	173	453	658
4 / 45	.1	1.2	.2	.0	.0													91	91	251	779
4/ 43	.0	.2	.0		.0													17	17	71	365
2/ 41	.0	.1																6	6	18	190
0 / 39	.0	.0																4	4	8	118
3 / 37	.0																	2	2	6	57
/ 35	.0																	1	1	2	31
3 / 33																					4
2/ 31																					2
/ 27																					2
/ 25																					2
2/ 21																					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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13720 STATION | SEMBACH AB DL STATION NAME | 65-68,76-81 YEARS | JUN MONTH

 ALL HOURS L.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TAL	.3	21.4	20.9	16.9	13.7	10.2	7.0	3.2	1.8	1.0	.7	.5	.3	.1					6031	6031	6031

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.	31406371	424299	70.4	16.369	6031							
Dry Bulb	23235657	370465	61.4	8.914	6031			184.9	90.4	26.1		720
Wet Bulb	18754390	334410	55.4	5.927	6031			20.9	.7			720
Dew Point	17089276	306590	50.8	5.810	6031		.8	1.2				720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 64-68,77-79 YEARS | JUL MONTH

 0000-0200 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
7 / 77									.2									1	1		
6 / 75								.4										2	2		
4 / 73							.2											1	1		
/ 71					[illegible]	.2	.4	.2										9	9		
/ 69				.2	.4		.4											5	5		
/ 67	.4	.2	.8	.4	[illegible]	.2	.4											17	17	3	3
6 / 65		.4	.6	[illegible]	.2													11	11	1	
4 / 63	.2	1.8	2.[illegible]	1.8	1.2	.2												36	36	17	3
2 / 61	.4	2.2	3.4	3.4	1.4	.2												55	55	26	8
/ 59	.6	2.6	5.[illegible]	2.2	.4													54	54	39	26
/ 57	1.8	4.4	4.[illegible]	2.6	.8													68	68	62	43
5 / 55	1.2	6.8	4.4	1.8	.6													74	74	80	39
4 / 53	1.4	3.2	4.[illegible]	2.4	.2													56	56	75	74
2 / 51	.8	2.[illegible]	6.4	1.2	.6													55	55	52	71
5 / 49	.8	1.4	2.8	1.2														31	31	53	57
/ 47		2.8	.8															18	18	50	46
4 / 45		.2	.8	.4														7	7	29	48
4 / 43		.2		.2														2	2	8	33
2 / 41																				5	24
4 / 39																				2	7
3 / 37																				1	11
/ 35																					4
2 / 33																					1
/ 31																					1
/ 27																					1
TOTAL	.6	28.1	34.9	18.7	7.8	.8	1.4	.6	.2										502		502
																		502		502	

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.	3230813	39803	79.3	12.225	502							
Dry Bulb	1656267	28687	57.1	5.814	502			6.5	.7			93
Wet Bulb	1453397	26881	53.5	5.225	502			.6				93
Dew Point	1299731	25359	50.5	6.134	502		.6	.6				93

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

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

PSYCHROMETRIC SUMMARY

1 1... STATION | SEMBACH AB DL STATION NAME | 64-68,77-81 YEARS | JUL MONTH

PAGE 1 0300-0560 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
/ 71						.2												1	1		
/ 69					.3	.2												3	3		
/ 67			.2	.3	.3	.3												7	7		
6/ 65		.2	.6	.3	.2	.2												9	9	1	
4/ 63	.2	1.1	1.4	.8	.5	.2												26	26	4	2
/ 61	.5	2.7	2.4	1.3	.5													44	44	23	11
/ 59	.3	4.0	2.9	3.7														68	68	39	18
/ 57	1.1	5.7	3.8	1.9	.2		.2											81	81	49	43
5 / 55	1.4	7.7	3.5	1.4	.2	.2												90	90	79	57
4/ 53	2.4	5.6	4.8	1.0	.3													68	68	120	75
2/ 51	1.3	4.9	4.8	1.1	.3													78	78	79	93
1 / 49	1.	2.7	3.7	.8														51	51	73	66
/ 47	.5	3.7	1.6	.3														38	38	64	79
4 / 45	.8	2.4	.6	.2														25	25	51	58
4/ 43		1.1	.5															10	10	22	49
2/ 41		.6	.2	.2														6	6	12	32
4 / 39			.3															2	2	8	18
3 / 37																					12
3 / 35																				3	11
3-/ 33																					2
2/ 31																					1
/ 29																					1
/ 27																					1
TOTAL	9.4	42.4	31.3	12.9	2.7	1.1	.2												627		627
																		627		627	

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.	4410052	52136	83.2	10.936	627							
Dry Bulb	1899993	34349	54.8	5.399	627			1.6				93
Wet Bulb	1713301	32617	52.0	5.140	627							93
Dew Point	1564568	31100	49.6	5.924	627		.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 64-68,76-81 YEARS | JUL MONTH

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

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				
[illegible] / 77					.1		.1		.1	.2								5	5		
6 / 75						.1												1	1		
4 / 73					.2	.1	.2	.1	.1									7	7		
[illegible] / 71				.4	.3	.3	.3											13	13		
[illegible] / 69		.1	.2	.2	.2	.4		.2										19	19	1	
[illegible] / 67			1.3	.4	.7	.6												24	24	1	
6 / 65		.7	.7	1.3	.7	.1	.1	.2										34	34	15	1
4 / 63	.1	3.1	3.2	2.8	1.2	.6												97	97	30	11
[illegible] / 61	.4	3.1	2.7	1.8	.7	.3												81	81	75	32
[illegible] / 59	.8	3.2	4.1	3.2	.6	.1	.1											105	105	77	66
[illegible] / 57	.8	5.0	4.2	3.0	.7													121	121	95	69
5 / 55	1.6	4.8	4.6	2.0	.2	.1												119	119	130	94
4 / 53	1.1	5.1	3.1	1.6	.6													103	103	134	110
[illegible] / 51	1.[illegible]	3.2	3.1	1.0	.1													76	76	127	110
[illegible] / 49	.2	1.8	2.8	.6														48	48	82	121
[illegible] / 47	.4	1.7	.6	.1														25	25	67	84
[illegible] / 45	.1	1.2	.2	.1														13	13	41	74
[illegible] / 43		.3	.3															6	6	16	58
[illegible] / 41			.1															1	1	3	40
[illegible] / 39																				3	17
[illegible] / 37																				1	6
[illegible] / 35																					4
[illegible] / 31																					1
TOTAL	5.6	33.0	30.5	18.4	6.9	2.8	.9	.6	.2	.2									898		898
																		898		898	

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.	5654435	71621	79.8	12.592	898							
Dry Bulb	3030527	51889	57.8	5.994	898			7.1	1.3			93
Wet Bulb	2662652	48678	54.2	5.168	898			.2				93
Dew Point	2389666	46728	51.3	5.826	898		.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7122 — STATION
SEMBACH AB DL — STATION NAME
64-68,76-81 — YEARS
JUL — MONTH

0900-1100 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
/ 91												.1						1	1		
8/ 87											.2	.1						3	3		
6/ 85										.1	.1							2	2		
4/ 83									.3	.1	.1	.2						7	7		
/ 81							.3	.3	.8	.5	.1	.3						23	23		
/ 79						.5	.3	.5	.8	.1	.1							23	23		
7 / 77					.4	.6	.9	1.1	.5	.2	.2							39	39		
6/ 75					.8	1.4	.9	.6	.2									39	39		
4/ 73		.1	.1	.3	.5	1.1	1.2	.4	.2	.1								40	40		
/ 71			.1	.4	1.3	1.4	.9		.2									43	43	1	1
/ 69		.1	1.0	.4	1.7	2.0	.7	.1	.1									61	61	19	
/ 67			.9	1.1	2.0	1.5	.6	.1										62	62	34	2
6/ 65		1.0	1.1	2.3	2.5	.6	.4	.2	.2									83	83	65	3
4/ 63	.1	1.8	2.2	3.7	2.5	2.9	.2											134	134	104	48
/ 61	.1	1.7	2.0	2.7	2.8	.5	.4											102	102	100	47
/ 59	.1	1.2	3.4	3.4	1.7	1.0	.1											109	109	112	88
/ 57	.1	.9	2.0	3.3	1.2	.3												78	78	113	75
5 / 55	.7	1.3	2.2	2.8	.3													73	73	129	126
4/ 53	.2	1.6	1.2	1.5	.1													46	46	124	118
2/ 51	.1	.3	.7	.4														15	15	93	103
0 / 49			.3	.1														4	4	69	99
/ 47																				17	95
4 / 45																				7	87
4/ 43																					46
2/ 41																					30
4 / 39																					10
2 / 37																					6
1/ 35																					1
TOTAL	1.4	10.1	17.4	22.7	18.0	14.0	7.0	3.3	3.3	1.1	.8	.7						987		987	
																		987		987	

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.	4587858	65652	66.5	14.968	987							
Dry Bulb	4192863	63873	64.7	7.760	987			32.3	16.7	4.0		93
Wet Bulb	3322717	57017	57.8	5.420	987			5.1				93
Dew Point	2763981	51893	52.6	6.011	987			.3				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] SEMBACH AB DL — STATION / STATION NAME
64-68,76-81 — YEARS
JUL — MONTH

1200-1400 — HOURS (L. S. T.)

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				
/ 91												.1	.4					5	5		
/ 89										.2	.3	.4	.3					12	12		
8/ 87									.1	.1	.2	.4	.5					13	13		
6/ 85							.1	.1	.2	.4	.4	.4						16	16		
4/ 83							.2	.3	.5	1.4	.2	.2	.1					29	29		
/ 81					.1	.3	.4	1.6	1.5	1.1	.1	.4						55	55		
/ 79				.3		.6	1.1	.8	.7	.3	.3							41	41		
7 / 77				.2	.1	1.3	.7	1.2	.6	.3								44	44		
4/ 75				.1	.6	.9	1.2	1.8	.2	.2								50	50	2	
4/ 73			.3	.4	.4	.6	1.5	.9	.6	.3								50	50	5	1
/ 71			.1	.3	.8	1.7	2.3	1.0	.2									64	64	9	1
/ 69			.5	.8	1.2	2.6	1.6	.7	.1									75	75	36	4
/ 67			.3	1.1	2.3	1.0	1.4	.3										64	64	72	7
6/ 65		.1	.9	1.7	2.1	2.6	1.5	.1										90	90	80	7
4/ 63	.3	.8	1.0	1.9	3.9	3.1	.7	.4										121	121	88	38
2/ 61		1.0	1.1	1.8	3.1	1.1	.2	.1										84	84	113	59
/ 59		.7	1.1	2.2	2.1	.9	.1											71	71	125	70
/ 57	.4	.9	.9	.9	1.1	.3												45	45	112	79
5/ 55	.6	1.7	.7	.5	.8													43	43	134	95
4/ 53	.1	.8	.3	.2	.1													15	15	113	117
2/ 51		.1	.3															4	4	56	129
5 / 49																				32	113
/ 47																				13	83
4 / 45																				1	92
4/ 43																					51
2/ 41																					24
4 / 39																					9
3 / 37																					7
/ 35																					5
TOTAL	1.4	6.2	7.6	12.5	18.9	17.2	13.1	9.4	4.7	4.3	1.5	1.9	1.3						991		991
																		991		991	

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.	3654268	58040	58.6	16.050	991							
Dry Bulb	4754780	68088	68.7	8.802	991			48.6	29.6	13.1		93
Wet Bulb	3520185	58803	59.3	5.595	991			11.6	.7			93
Dew Point	2775204	52074	52.5	6.266	991			1.2	.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 64-68,76-81 YEARS | JUL MONTH

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

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					
6/ 93											.1	.1	.1		.1				4	4		
/ 91										.1			.1	.4					6	6		
/ 89												.5	.3	.5					13	13		
6/ 87									.2	.4	.2	.5	.1	.2					16	16		
6/ 85								.2	.3	.6	.9	.3	.5						28	28		
4/ 83						.2	.1		1.0	1.2	.2								27	27		
/ 81					.2	.1	.6	1.2	1.8	1.2	.6	.1	.1						59	59		
/ 79				.2	.2	.3	.5	1.5	.3	.4	.2								36	36		
7 / 77					.3	.8	1.2	1.7	.3	.5	.4								58	58		
6/ 75		.1			.2	1.2	1.4	2.5	1.2	.3									69	69		
4/ 73				.1	.3	1.2	2.2	1.5	.4	.3									60	60	13	1
/ 71			.3	.3	.5	1.2	1.8	1.7											58	58	11	1
/ 69		.2	.4	.8	2.1	1.6	2.3	.9											83	83	22	7
6/ 67			.1	.2	1.3	1.1	2.0	.3	.3										53	53	68	4
6/ 65		.3	.3	1.3	1.9	2.2	1.5	.2	.2										79	79	100	11
4/ 63		1.1	1.3	1.4	4.3	2.7	.7	.1											112	112	85	23
2/ 61	.1	.6	1.2	1.5	2.2	1.3	.2												71	71	139	46
/ 59		1.4	2.2	1.3	1.3	1.0													72	72	116	81
/ 57	.2	1.4	1.0	.7	.3	.5													41	41	122	81
5 / 55	.2	1.0	.8	.5	.4														29	29	144	107
4/ 53		.5		.1															6	6	91	114
2/ 51			.3	.1															4	4	43	116
5 / 49																					22	115
/ 47																					8	101
4 / 45																						94
4/ 43																						37
2/ 41																						28
4 / 39																						9
3 / 37																						2
/ 35																						5
3 / 33																						1
TOTAL	.5	6.7	8.0	8.6	15.3	15.7	14.7	12.0	6.7	5.1	2.6	1.5	1.2	1.1	.1					984		984
																			984		984	

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.	3389848	55414	56.3	16.549	984							
Dry Bulb	4892706	68822	69.9	8.977	984			53.9	35.5	16.2	.4	93
Wet Bulb	3541712	58798	59.8	5.365	984			10.8	1.2			93
Dew Point	2744419	51621	52.5	6.082	984			1.2	.1			93

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7123 — STATION
SEMBACH AB GL — STATION NAME
64-68,76-81 — YEARS
JUL — MONTH

PAGE 1 — HOURS L.S.T.

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				
6/ 93											.1							1	1		
2/ 91														.1				1	1		
/ 89									.1			.1	.3					5	5		
8/ 87												.3	.2					5	5		
6/ 85								.1	.1	.1	.6	.5	.3					15	15		
2/ 83							.2	.5	.1	.2	.5	.1						14	14		
/ 81							.5	.7	1.4	.9	.3	.1						34	34		
/ 79				.1	.2		.8	1.2	.7	.6	.2							34	34		
7 / 77				.1	.2	.3	1.8	.8	.6	.3		.1						38	38		
6/ 75					.3	1.0	1.8	1.8	.7		.1							51	51		
4/ 73				.7	.3	.9	2.1	.9	.1	.1								46	46	4	
/ 71			.5	.1	.5	.9	1.7	1.2	.2									45	45	7	1
/ 69		.1	.5	.5	1.5	2.8	1.4	.2										61	61	14	1
2 / 67		.2	.8	.5	1.7	2.0	1.5	.3	.2									64	64	43	4
6/ 65	.2	.3	1.8	1.5	2.6	1.6	.8											78	78	78	12
4/ 63		1.5	1.1	3.0	4.0	2.9	.6	.1										117	117	80	30
2/ 61		.8	1.1	1.9	2.6	.8	.2	.1										67	67	117	41
/ 59		1.6	1.9	2.3	1.4	.7	.2											71	71	103	57
/ 57	.1	1.5	2.1	1.8	1.1	.2												61	61	111	81
5 / 55	.7	1.1	1.5	1.8	.3	.2												50	50	124	78
4/ 53	.5	.2	.3	.5	.1													14	14	92	118
2/ 51	.3	.6	.3	.1														12	12	57	131
5 / 49			.2															2	2	41	103
4 / 47																				13	83
4 / 45																				2	75
4/ 43																					32
2/ 41																					15
4 / 39																					13
3 / 37																					6
2 / 35																					4
34/ 33																					1
TOTAL	1.8	7.9	12.2	14.8	16.8	14.4	13.5	8.0	4.2	2.3	1.8	1.2	.9	.1					886		886
																		886		886	

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
Ref. Hum.	3600497	54507	61.5	16.713	886							
Dry Bulb	4069721	59571	67.2	8.531	886			43.5	25.6	9.8	.1	93
Wet Bulb	3080533	52029	58.7	5.337	886			7.1	.4			93
Dew Point	2472669	46505	52.5	5.983	886			.6				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 64-68,76-81 — JUL

STATION — STATION NAME — YEARS — MONTH

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

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					
[illegible] / 83									.1			.1							2	2		
/ 81											.1	.1							2	2		
/ 79								.3		.1	.1								4	4		
7 / 77					.1		.3	.6	.9	.3	.1								16	16		
6 / 75						1.1	.6	.4	.3	.3									19	19		
4 / 73					.4	.9	.7	.4	.1										18	18		
/ 71	.1		.3	.4	.9	1.1	1.0	.4											30	30	1	1
/ 69		.6	.4	.4	1.7	.9	.1	.3											31	31	1	
/ 67	.1		.6	.6	1.3	.9	.6												28	28	11	2
6 / 65	.3	.1	1.0	3.1	2.4	.6	.1												54	54	24	8
4 / 63	.4	2.3	1.6	2.1	2.0	1.1	.1												68	68	45	8
/ 61	.1	1.6	2.7	3.4	3.1	.3													79	79	69	27
/ 59	.9	1.8	3.6	3.7	.9	.6	.1												81	81	79	46
/ 57	.6	2.4	3.8	2.7	1.1														75	75	82	66
5 / 55	.4	3.8	3.3	2.0	1.1	.3													75	75	94	52
4 / 53	1.3	3.1	3.1	1.6	.7	.1													68	68	114	69
2 / 51	1.1	.4	1.8	1.3	.1														34	34	67	107
5 / 49	.1	.9	.6	.4															14	14	9	93
/ 47	.3	.3		.3															6	6	52	54
4 / 45																					11	72
4 / 43																					3	30
2 / 41																						28
4 / 39																						13
3 / 37																						4
/ 35																						4
TOTAL	5.5	17.3	22.4	22.0	15.9	7.8	3.7	2.4	1.4	.7	.4	.3								704		704
																			704		704	

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.	3831918	50762	72.1	15.497	704							
Dry Bulb	2685235	43187	61.3	7.148	704			19.8	8.1	1.1		93
Wet Bulb	2220146	39362	55.9	5.245	704			1.7				93
Dew Point	1900614	36340	51.6	5.936	704			.4				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

123 — STATION
SEMEACH AB OL — STATION NAME
64-68,76-81 — YEARS
JUL — MONTH

ALL — HOURS (L.S.T.)

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					
9 / 93											.0	.0	.0		.0			5	5		
/ 91										.0		.0	.1	.1				13	13		
/ 89									.0	.0	.0	.2	.1	.1				30	30		
8 / 87									.0	.1	.1	.2	.1	.0				37	37		
6 / 85							.0	.1	.1	.2	.3	.2	.1					61	61		
4 / 83						.0	.1	.1	.3	.4	.1	.1	.0					79	79		
/ 81					.	.1	.3	.6	.8	.5	.2	.2	.0					173	173		
/ 79				.1	.1	.2	.4	.6	.4	.2	.1							138	138		
7 / 77				.0	.2	.5	.7	.8	.5	.3	.1	.0						201	201		
6 / 75		.0		.0	.3	.8	.8	1.1	.4	.1	.0							231	231	2	
4 / 73		.0	.1	.2	.3	.7	1.2	.6	.2	.1								222	222	22	2
/ 71	.		.2	.3	.7	1.0	1.2	.6	.1									263	263	29	5
/ 69		.1	.4	.5	1.3	1.5	.9	.3	.0									338	338	93	12
/ 67	.	.0	.6	.6	1.4	1.0	.9	.2	.1									319	319	232	22
6 / 65	.1	.4	.9	1.6	1.7	1.1	.7	.1	.1									438	438	364	42
4 / 63	.2	1.7	1.7	2.3	2.6	1.9	.3	.1										711	711	453	163
2 / 61	.2	1.6	1.9	2.1	2.2	.6	.2	.0										583	583	661	271
/ 59	.3	1.9	2.9	2.7	1.2	.6	.1											631	631	690	454
/ 57	.5	2.5	2.5	2.1	.8	.2	.0											570	570	746	537
5 / 55	.8	3.1	2.4	1.6	.5	.1												553	553	914	650
4 / 53	.7	2.3	1.8	1.0	.2	.0												396	396	863	815
2 / 51	.5	1.2	1.8	.6	.1													278	278	574	860
5 / 49	.2	.7	1.1	.3														150	150	423	769
/ 47	.1	.8	.3	.1														87	87	284	625
4 / 45	.1	.4	.2	.1														45	45	142	600
4 / 43		.2	.1	.0														18	18	49	336
2 / 41		.1	.0	.0														7	7	20	219
/ 39			.0															2	2	13	96
3 / 37																				2	52
/ 35																				3	38
3 / 33																					4
/ 31																					3
/ 29																					2
/ 27																					2

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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 64-68,76-81 YEARS | JUL MONTH

 ALL HOURS L. S. T.

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				
TAL	.7	17.1	13.8	16.1	13.6	10.4	7.7	5.2	3.0	2.0	1.0	.8	.5	.2	.1			6579	6579	6579	6579

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.	32559689	447955	68.1	17.692	6579							
Dry Bulb	27182092	418466	63.6	9.268	6579			238.6	134.6	51.3	.6	744
Wet Bulb	21514343	374185	56.9	5.943	6579			42.7	2.7			744
Dew Point	17910822	340920	51.8	6.097	6579		.8	4.6	.2			744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 | SEMBACH AB DL | 64-68,78 | AUG
STATION | STATION NAME | YEARS | MONTH

 0000-0200 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
8/ 75					.4													2	2		
4/ 73				.2				.2										2	2		
-/ 71								.4										2	2		
/ 69		.2	.2	.2	.4													5	5		
/ 67		.4	.8	.6	.6													12	12	4	
6/ 65		1.3	.6	1.5	.4													18	18	4	3
4/ 63		1.5	1.3	1.3														19	19	11	6
2/ 61	.8	4.8	1.3	1.5	1.3													46	46	23	17
/ 59	.8	7.3	3.6	1.3														62	62	51	26
/ 57	2.1	6.3	2.5	1.0														57	57	65	58
5/ 55	1.7	6.9	2.9	1.0														60	60	69	48
4/ 53	1.7	7.5	2.1	1.7														62	62	60	78
2/ 51	2.3	6.5	4.4	.4														65	65	59	58
/ 49	.6	4.6	.4	.2														28	28	55	50
/ 47	.6	4.8																26	26	44	55
4/ 45	.4	.6	.2															6	6	25	41
4/ 43		.4																2	2	1	27
2/ 41	.2	.6																4	4	4	3
4 / 39																				3	6
3-/ 37																					2
TAL	11.3	53.8	20.3	10.9	3.1			.6											478		478
																		478		478	

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.	3616643	41275	86.3	10.498	478							
Dry Bulb	1532740	26924	56.3	5.702	478			4.5	.8			93
Wet Bulb	1404797	25799	54.0	5.089	478			.8				93
Dew Point	1313487	24925	52.1	5.377	478							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13712 STATION | SEMBACH AB DL STATION NAME | 64-68,77-81 YEARS | AUG MONTH

PAGE 1 | 1300-0500 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
/ 71				.2														1	1		
/ 69							.2	.2										2	2		
/ 67				.3	.2		.2											4	4		
6/ 65			1.2	.2	.2													9	9	1	
4/ 63		1.7	1.2	.7														21	21	5	1
/ 61	.7	3.6	1.5	.8	.3													42	42	27	16
/ 59	1.3	7.1	3.1	1.2														77	77	38	28
/ 57	1.7	7.8	1.8	1.5														77	77	78	71
5/ 55	1.5	6.1	3.0	1.3	.2													73	73	76	53
4/ 53	1.2	7.6	1.8	.7	.3													70	70	72	68
2/ 51	3.1	7.6	3.1	.3	.2													87	87	86	64
5/ 49	1.7	2.8	3.0	.3														43	43	70	68
/ 47	.8	7.1	.2	.5														52	52	66	62
4/ 45	.2	4.0	.2															26	26	44	66
4/ 43	.5	1.2																10	10	25	45
2/ 41	.3	1.0																8	8	10	22
/ 39	.3	.2																3	3	6	12
3/ 37																				1	9
TAL	12.6	57.7	20.0	7.9	1.3		.3	.2										605		605	605

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.	4705698	53038	87.7	9.634	605							
Dry Bulb	1809550	32920	54.4	5.499	605			1.1				93
Wet Bulb	1675571	31683	52.4	5.207	605							93
Dew Point	1576336	30696	50.7	5.595	605							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] SEMBACH AB GL — STATION / STATION NAME
64-68,76-81 — YEARS
AUG — MONTH

PAGE 1 0600-0800 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
/ 71				.1			.3												4	4		
/ 69			.2	.1															3	3		
/ 67			.4	.3	.4	.1													12	12		
6/ 65		.8	.8	.3	.3	.1													21	21	7	1
4/ 63	.3	3.2	2.1	1.3	.3														66	66	20	12
/ 61	.4	2.5	1.9	1.6	.4														63	63	46	35
/ 59	.8	5.6	4.8	2.0	.8	.1													128	128	63	44
/ 57	1.1	5.8	4.2	2.3	.9	.1													131	131	101	67
5 / 55	1.1	7.9	3.2	1.4	.8														131	131	128	9[illegible]
4/ 53	1.[illegible]	7.0	2.0	1.3	.5														108	108	140	118
7/ 51	1.1	4.8	3.3	.4	.2														90	90	127	120
5 / 49	.4	4.9	2.1	.4															72	72	107	118
/ 47	.2	3.2	.1																32	32	86	62
4 / 45	.5	1.9	.5																27	27	43	1[illegible]3
4/ 43	.2	.9	.1																11	11	19	56
2/ 41	.2	.9																	10	10	13	31
4 / 39	.1	.2																	3	3	8	26
3 / 37	.1																		1	1	3	8
/ 35																						1
3 / 33																						1
TAL	7.7	49.5	25.6	11.7	4.7	.4	.3													913		913
																			913		913	

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.	6611115	77[illegible]37	84.4	11.027	913							
Dry Bulb	2863061	50879	55.7	5.512	913			1.9				93
Wet Bulb	2597002	48466	53.1	5.153	913							93
Dew Point	2397569	46495	5[illegible].9	5.715	913							93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB GE 64-68,76-81 AUG
STATION STATION NAME YEARS MONTH

 0900-1100
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
4/ 83									.1	.1								2	2		
/ 81							.2	.2	.1									5	5		
/ 79							.1	.3	.1	.1								6	6		
7 / 77					.3	.4	.1	.3	.3	.1								15	15		
6 / 75					.5	.7	.4	.2										18	18		
4/ 73				.3	1.3	.5	1.0	.3	.1									35	35		
/ 71			.2	.6	1.0	1.0	1.1	.2										41	41	1	
/ 69			.7	.9	1.9	2.4	.7	.1	.1									68	68	5	
6/ 67			1.1	1.1	1.8	1.1	.2	.2										55	55	20	1
6/ 65	.1	.6	1.7	3.2	2.[illegible]	1.7	.4	.2										99	99	43	7
4/ 63	.6	1.6	3.[illegible]	5.4	5.1	2.[illegible]		.1										178	178	77	32
/ 61	.1	2.7	2.8	3.1	2.5	.4	.3											119	119	114	56
/ 59	.1	2.8	4.[illegible]	3.0	.9	.6												114	114	137	76
/ 57	.1	2.6	4.1	3.4	.7	.5												114	114	156	106
5 / 55	.3	2.9	1.5	2.1	.6													74	74	170	123
4/ 53		1.9	1.[illegible]	1.1	.1													41	41	129	139
2/ 51		.8	.8	.2														18	18	78	140
[illegible] / 49	.1		.1															2	2	56	127
[illegible] / 47		.1																1	1	22	61
[illegible] / 45																				3	63
[illegible]/ 43																					41
[illegible]/ 41																					27
[illegible] / 39																					5
[illegible] / 35																					1
TOTAL	1.4	15.9	20.9	24.3	18.6	11.2	4.5	2.1	.8	.3									1005		1005
																		1005		1005	

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.	5261494	71390	71.0	13.768	1005							
Dry Bulb	4025861	63303	63.0	6.195	1005			22.7	7.5	1.0		93
Wet Bulb	3319606	57566	57.3	4.707	1005			2.4				93
Dew Point	2849215	53231	53.0	5.446	1005			.1				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 SEMBACH AB DL 64-68,76-81 AUG
STATION STATION NAME YEARS MONTH

 1200-1400
HOURS (L. S. T.)

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				
/ 89													.1					1	1		
6/ 87										.2	.1	.1						4	4		
6/ 85										.1	.1	.1	.1					4	4		
-/ 83							.1	.2	.5	.1	.2	.2						13	13		
/ 81							.4	.5	1.2	.5	.1							27	27		
/ 79						.7	.4	.9	.7	.1	.2	.1	.1					32	32		
7 / 77						.7	.6	.5	.3	.2								23	23		
6/ 75					.2	1.3	1.9	1.8	.5	.2								59	59		
4/ 73				.6	.7	1.2	3.4	1.0	.3									72	72		
/ 71			.3	.5	2.6	1.3	2.4	.7	.3									80	80	2	
/ 69			.9	1.7	1.7	3.8	1.5	.5		.1								95	95	16	
6 / 67		.1	.7	.8	3.1	3.1	1.6	.3										97	97	44	1
6/ 65	.1	.7	.9	2.3	2.4	2.6	1.3	.1										104	104	80	7
4/ 63	.1	1.0	1.1	3.2	4.2	4.1	.5	.2										144	144	99	34
2/ 61		1.5	1.1	2.4	2.1	1.1	.3											85	85	150	64
/ 59	.1	1.4	1.9	1.6	1.9	1.0	.1											80	81	153	82
/ 57		1.4	1.4	1.5	1.2	.4												59	59	133	85
5 / 55	.1	.6	.3	.7	.1													18	18	139	128
4/ 53		.7	.1	.2														10	10	135	115
2/ 51																				58	138
1 / 49																				31	100
0 / 47																				5	87
4 / 45																					98
-4/ 43																					31
-2/ 41																					21
4 / 39																					8
3 / 37																					5
3 / 35																					2
3-/ 33																					1
TOTAL	.4	7.3	8.6	14.7	20.0	21.2	14.4	6.7	3.8	1.5	.7	.5	.3						1008		1007
																		1007		1007	

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.	3954598	61444	61.0	14.292	1007							
Dry Bulb	4626477	67931	67.4	6.939	1008			46.8	21.7	5.3		93
Wet Bulb	3524971	59387	59.0	4.747	1007			5.7				93
Dew Point	2836381	53131	52.8	5.736	1007			.1				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] 7125 STATION | SEMBACH AB DL STATION NAME | 64-68,76-81 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 91													.1					1	1		
/ 89											.2	.2						4	4		
8/ 87											.3	.1	.3					7	7		
6/ 85									.1	.1		.2	.2					6	6		
/ 83									.6	.2	.1	.1		.1				11	11		
/ 81							.6	.9	.9	.4	.1		.2					31	31		
/ 79						.2	.5	.3	1.0	.2								22	22		
7 / 77					.1	1.0	1.2	.7	1.3	.4	.2	.1						50	50		
6/ 75				.6	1.1	1.1	2.4	.9	.1									62	62		
4/ 73			.7	.7	1.8	2.6	1.0	.7	.1			.1						77	77		
/ 71		.5	.1	2.3	2.6	2.6	1.4	.1			.2							98	98		
/ 69		.7	.9	1.4	3.6	2.0	1.0	.1										97	97	16	
/ 67	.3	1.5	1.2	2.2	3.0	2.4	.3											109	109	58	2
6/ 65	.3	.3	1.5	2.4	2.6	1.6												87	87	62	7
4/ 63	1.2	.8	1.3	3.7	2.4	.6	.3											103	103	118	40
/ 61	1.3	1.1	2.4	2.6	2.1	.4	.1											100	100	157	64
/ 59	1.8	1.2	.8	1.7	.2	.1												58	58	136	67
/ 57	.2 .9	.4	1.3	.6	.1													35	35	144	90
5/ 55	1.8	.3	.1	.2														24	24	136	105
4/ 53	.3		.3															6	6	85	109
/ 51		.1																1	1	54	136
5 / 49																				19	118
/ 47																				2	76
/ 45																					102
4/ 43																					32
2/ 41																					22
/ 39																					9
/ 37																					5
/ 35																					2
/ 31																					1
/ 29																					1
/ 27																					1
TOTAL	.2	8.0	7.0	10.7	18.7	20.9	15.9	8.5	5.8	1.5	1.1	.8	.8	.1				989	989	989	989

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.	3664618	58306	59.0	15.165	989							
Dry Bulb	4673784	67626	68.4	7.088	989			54.1	25.5	6.2		93
Wet Bulb	3497861	58633	59.3	4.697	989			7.1				93
Dew Point	2769346	52002	52.6	5.957	989		.3	.2				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — STATION NAME
64-68,76-81 — YEARS
AUG — MONTH

1800-2000 — 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
9/ 87										.1		.1						2	2		
8/ 85								.1			.1		.2					4	4		
4/ 83									.2		.2	.1						5	5		
/ 81						.1	.1	.3	.3	.1								9	9		
/ 79						.2	.2	.4	.3		.2	.1						14	14		
7/ 77						.6	.3	.4	.6	.2	.2							21	21		
6/ 75					.3	.9	.2	.9	.2	.2								25	25		
4/ 73				.1	.6	.9	2.1	.7	.3	.1								43	43		
/ 71			.3	.4	.8	1.6	1.2	.9	.4	.1								52	52	4	
/ 69		.1	.7	.7	1.8	3.2	1.9	.6										80	80	5	
/ 67		.6	1.3	1.4	2.7	2.7	.9	.1	.1									85	85	25	1
6/ 65		1.8	1.6	1.2	3.3	1.1	1.3		.1									94	94	38	11
4/ 63		2.0	2.2	4.1	3.5	2.5	.7	.1										135	135	77	35
/ 61	.3	1.4	2.2	3.0	3.1	1.3	.1											104	104	127	50
/ 59	.4	1.9	2.5	2.3	1.6	.4	.2											84	84	121	60
/ 57	.4	1.2	2.3	1.9	.7	.3												62	62	153	72
5/ 55		1.7	1.7	.9	.4	.1												43	43	125	91
4/ 53		.3	1.0	1.0	.2													23	23	103	115
2/ 51	.1	.4	.4															9	9	66	123
1/ 49		.2	.1															3	3	30	100
/ 47																				21	88
/ 45																				2	77
4/ 43																					31
2/ 41																					27
/ 39																					5
/ 37																					5
/ 35																					6
TOTAL	1.3	11.7	16.1	17.2	19.0	15.9	9.4	4.6	2.7	.9	.8	.3	.2						897		897
																		897		897	

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.	4073575	58797	65.5	15.652	897							
Dry Bulb	3837925	58365	65.1	6.706	897			35.3	12.8	2.6		93
Wet Bulb	3326612	51948	57.9	4.742	897			3.5				93
Dew Point	2499198	47548	52.5	5.930	897			.1				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7127 — STATION
SEMBACH AB DL — STATION NAME
64-68,76-81 — YEARS
AUG — MONTH

2100-2300 — HOURS (L. S. T.)

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				
7 / 77						.2		.2										2	2		
6 / 75					.5		.2		.5									7	7		
4 / 73				.2			.2	.2	.2									4	4		
/ 71				.3	.6	.5	.2	.2										11	11		
/ 69			.5	.3	.8	.9	.3											18	18	1	
/ 67		.5	.5	.6	1.1	.8	.2											23	23	7	
8 / 65	.2	.9	1.2	1.5	1.1	.5	.6	.3										41	41	a	6
4 / 63	.2	3.5	1.8	3.6	2.3	.8	.8											85	85	33	17
2 / 61	.5	3.6	3.0	1.8	2.6	.3	.5											81	81	52	17
/ 59	1.1	6.1	5.0	2.0	1.1			.2										101	101	66	59
/ 57	1.2	2.7	5.3	2.1	.9													81	81	110	62
5 / 55	.3	5.5	2.9	2.7	.5													78	78	95	63
4 / 53	.6	4.2	2.6	2.3	.6													68	68	106	86
2 / 51	.6	2.4	1.5	.5	.3													35	35	69	90
1 / 49	.2	1.8	.9															19	19	63	79
/ 47	.3	.3	.2															5	5	36	61
4 / 45		.2																1	1	12	60
4 / 43																				2	34
2 / 41																					12
4 / 39																					4
3 / 37																					9
2 / 31																					1
TOTAL	.9	31.7	25.3	17.9	12.1	3.8	2.7	.9	.6									660	660	660	660

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.	4395966	51156	77.5	14.094	660							
Dry Bulb	2361247	39303	59.6	5.612	660			9.2	1.8			93
Wet Bulb	2041737	36575	55.4	4.751	660			1.1				93
Dew Point	1811006	34364	52.1	5.750	660		.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 64-68,76-81 YEARS | AUG MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31			Dry Bulb	Wet Bulb	Dew Point
/ 91													.0					1	1			
/ 89											.0	.0	.0					5	5			
8/ 87										.0	.1	.0	.0					13	13			
6/ 85								.0	.0	.0	.0	.0	.1					14	14			
4/ 83							.0	.0	.2	.1	.1	.1		.0				31	31			
/ 81						.0	.2	.3	.4	.2	.0		.0					72	72			
/ 79						.2	.2	.3	.3	.1	.1	.0	.0					74	74			
7 / 77					.1	.4	.3	.3	.4	.1	.1	.0						111	111			
6/ 75					.3	.5	.6	.8	.3	.1								173	173			
4/ 73				.3	.5	.7	1.4	.5	.2	.0		.0						233	233			
/ 71			.2	.3	1.1	1.0	1.2	.5	.1	.0	.0							289	289	7		
/ 69		.0	.5	.6	1.1	2.0	.9	.3	.0	.0								368	368	45		
/ 67		.2	.8	.9	1.7	1.6	.8	.1	.0									397	397	158	5	
6/ 65	.0	.8	1.0	1.6	1.7	1.3	.7	.1	.0									473	473	243	42	
4/ 63	.2	1.9	1.7	2.8	2.7	1.7	.3	.1										751	751	440	177	
2/ 61	.3	2.4	1.9	2.2	2.0	.8	.2	.0										640	640	698	319	
/ 59	.5	3.8	3.1	1.8	1.1	.4	.1	.0										704	705	765	442	
/ 57	.7	3.2	2.7	2.0	.7	.2												616	616	934	611	
5 / 55	.5	3.8	1.8	1.2	.4	.0												501	501	938	698	
4/ 53	.4	3.1	1.2	1.0	.2													388	388	800	828	
2/ 51	.7	2.3	1.4	.2	.1													305	305	589	869	
/ 49	.2	1.5	.7	.1														167	167	431	740	
/ 47	.2	1.5	.0	.0														116	116	282	592	
/ 45	.1	.7	.1															60	60	129	630	
4/ 43	.1	.3	.0															23	23	47	277	
2/ 41	.1	.3																22	22	27	165	
/ 39	.0	.0																6	6	17	78	
/ 37	.0																	1	1	4	43	
/ 35																					12	
/ 33																					2	
2/ 31																					?	
/ 29																					1	
/ 27																					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) 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

17712O (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) AUG (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TAL	4.0	25.7	17.2	14.9	13.6	10.8	6.9	3.4	2.0	.6	.4	.2	.2	.0				6554	6555	6554

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.	359837.7	472443	72.1	17.152	6554							
Dry Bulb	25729945	407251	62.1	8.082	6555			202.1	82.5	18.0		744
Wet Bulb	21090157	370057	56.5	5.465	6554			23.8				744
Dew Point	18052538	341892	52.2	5.763	6554		.5	.6				744

USAFETAC FORM AM 94 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

13123 STATION | SEMBACH AB DL STATION NAME | 64-68,76,78,80 YEARS | SEP MONTH

 0000-0200 HOURS (L. S. T.)

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				
/ 71					.2													1	1		
/ 69					.2	.2												2	2		
/ 67				.7	.2													4	4		
6/ 65			.5	.9	.2													7	7		
4/ 63			1.1	.5														7	7	2	
/ 61		.7	1.1	.7														11	11	9	
/ 59		4.5	2.5															31	31	14	3
/ 57	.2	4.3	2.7															32	32	41	28
5 / 55	1.1	7.7	1.6	.2														47	47	42	38
4/ 53		8.6	3.4		.7													56	56	39	34
2/ 51	2.3	10.7	2.9	.2	.5													73	73	62	69
5 / 4	.9	10.0	2.5	1.1	.2													65	65	65	62
/ 47	1.4	7.7			.2													41	41	63	63
4 / 45	.5	6.3	.5	.2														33	33	49	52
4/ 43	.5	3.4																17	17	27	36
2/ 41	.2	1.8	.5															11	11	16	21
4 / 39		.5																2	2	9	14
3 / 37		.2																1	1	3	8
3/ 35																					10
2/ 31																					3
TOTAL	7.0	66.4	19.3	4.5	2.5	.2													441		441
																		441		441	

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.	3404660	38544	87.4	9.028	441							
Dry Bulb	1225112	23108	52.4	5.696	441			1.4				90
Wet Bulb	1130692	22212	50.4	5.208	441							90
Dew Point	1059133	21477	48.7	5.475	441		.6					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) SEP (MONTH)

 0300-0500 HOURS (L. S. T.)

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				
/ 67				.2	.3													3	3		
6/ 65			.2	.7	.2													6	6		
4/ 63		.7	.8	.3														11	11		
/ 61		.7	.5	.2														8	8	12	2
/ 59		2.9	1.9	.2														29	29	13	9
/ 57	.7	3.4	2.0															36	36	35	21
5 / 55	1.0	7.3	2.0	.2														62	62	34	39
4/ 53	.3	7.3	1.9	.5														59	59	61	43
2/ 51	1.7	14.2	1.5	.2	.3													106	106	85	68
5 / 49	.3	8.6	1.9	.3														66	66	93	99
/ 47	.7	5.7	.7	.7														46	46	63	64
4 / 45	1.3	8.6	2.4	.3														75	75	62	73
4/ 43	.8	6.2	.7															46	46	60	53
2/ 41	.8	2.9	.3															24	24	46	54
4 / 39	.5	.8	.2															9	9	16	34
3 / 37	.2	.7																5	5	11	14
/ 35		.2	.2															2	2		11
/ 33																				2	4
2/ 31																					4
/ 27																					1
TOTAL	8.4	70.0	17.0	3.7	.8													593	593		593
																		593		593	

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.	4698961	52565	88.6	8.165	593							
Dry Bulb	1549880	30122	50.8	5.784	593			.5				90
Wet Bulb	1444109	29083	49.0	5.478	593							90
Dew Point	1360179	28193	47.5	5.783	593		.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AI[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]2125 — STATION
SEMBACH AB DL — STATION NAME
64-68,76-81 — YEARS
SEP — MONTH

0600-0800 — HOURS (L. S. T.)

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				
[illegible] / 69						.1												1	1		
6 / 67			.1	.1	.2													4	4		
4/ 63		.6	.7	.7														17	17	2	
[illegible]/ 61	.2	1.3	.9	.5														25	25	10	6
/ 59	.1	2.9	1.4	.1														39	39	25	10
/ 57	.2	4.4	2.5	.9	.1													71	71	46	32
5 / 55	.5	6.8	1.7	1.0	.2													89	89	56	41
4/ 53	.3	8.8	2.9	.8														111	111	98	73
2/ 51	1.5	9.7	2.5	.1														120	120	134	99
5 / 49	1.[illegible]	8.9	2.4	.7														113	113	132	129
[illegible] / 47	1.5	4.3	1.5	.5	.1													68	68	102	117
[illegible] / 45	1.8	6.9	1.6	.2														92	92	82	123
4/ 43	.7	5.0	1.3															60	60	73	62
2/ 41	.3	2.5	.5	.1														30	30	57	6[illegible]
4 / 39	.6	.5	.6															14	14	26	5[illegible]
3 / 37	.2	.7	.1															9	9	12	2[illegible]
3[illegible]/ 35		.3	.1															4	4	9	14
3[illegible]/ 33																				3	10
[illegible]2/ 31																					5
[illegible] / 29																					2
[illegible] / 27																					2
[illegible]TAL	9.1	63.4	20.9	5.8	.7	.1													867		867
																		867		867	

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.	6664789	75645	87.2	8.652	867							
Dry Bulb	2299616	44372	51.2	5.758	867			.5				90
Wet Bulb	2125368	42664	49.2	5.474	867							90
Dew Point	1984264	41164	47.5	5.871	867		.9					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

71 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (YEARS) SEP (MONTH)

 0900-1100 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
/ 79										.1								1	1		
2/ 75									.1									1	1		
4/ 73				.1	.2	.2	.1											6	6		
/ 71				.5	.7	.3												15	15		
/ 69			.1	.6	1.1	.5		.1										24	24		
/ 67			.4	.8	1.7	.5	.2											35	35	2	
6/ 65		.2	1.0	1.9	.5	.6	.1											42	42	13	
4/ 63		1.1	2.0	4.3	1.5	.7		.1										95	95	27	10
2/ 61		2.1	3.3	1.9	1.5	.5		.1										91	91	54	15
/ 59	.2	3.2	3.5	2.3	1.7			.1										106	106	81	55
/ 57	.4	3.2	4.3	3.9	1.1	.5												131	131	116	56
5/ 55	.1	3.6	5.5	2.0	.7	.3												118	118	112	96
4/ 53	.2	4.3	4.1	2.2	.8	.2												115	115	123	96
2/ 51	.6	4.6	4.2	.9	.5	.1												107	107	168	142
5/ 49	.1	2.9	1.8	.6														52	52	127	120
/ 47	.1	1.2	.3															16	16	88	117
4/ 45	.4	.7	.2															13	13	40	141
4/ 43		.1																1	1	16	48
2/ 41																				2	31
1/ 39																					13
3/ 37																					19
1/ 35																					4
3/ 33																					5
2/ 31																					1
TOTAL	2.2	27.3	33.8	22.0	12.2	4.5	.4	.4	.1	.1									969		969
																		969		969	

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.	5826874	74198	76.6	12.256	969							
Dry Bulb	3278504	56080	57.9	5.832	969			7.6	.7			90
Wet Bulb	2818678	52044	53.	4.922	969			.2				90
Dew Point	2477050	48688	50.2	5.631	969		.1					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7123 — STATION
SEMBACH AB DL — STATION NAME
64-68,76-81 — YEARS
SEP — MONTH

1200-1400 — 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
/ 81								.2	.1	.1								4	4		
/ 79							.1	.2	.3									6	6		
7 / 77						.5	.5	.2	.1									13	13		
6 / 75				.1	.6	1.1	.7	.1										26	26		
4 / 73				.5	.4	1.5	.7	.4	.1									36	36		
/ 71				.2	1.3	1.7	1.2	.6	.1									51	51		
/ 69			.3	.6	2.1	2.8	.2	.7										65	65	1	
6 / 67			.3	1.3	2.6	1.1	.5	.4	.1									62	62	20	1
6 / 65		.1	1.3	1.0	1.7	2.4	1.0	.2										76	76	35	1
4 / 63		.5	2.2	3.9	3.2	2.9	1.3	.3										136	136	63	21
2 / 61		.9	2.6	4.4	4.5	1.0	.6											137	137	95	20
/ 59		.4	1.4	4.3	2.4	.8	.6											97	97	98	59
/ 57		1.6	2.8	3.4	1.2	.8	.5											101	101	104	75
5 / 55		2.3	2.1	2.7	1.2	.8												88	88	152	91
4 / 53		1.2	.9	.7	.5	.3												36	36	172	93
2 / 51	.2	.7	1.3	.4	.3													29	29	100	138
0 / 49			.5	.1														6	6	56	113
/ 47		.1																1	1	49	104
4 / 45	.2																	2	2	26	116
4 / 43																				1	44
2 / 41																					33
0 / 39																					20
7 / 37																					23
/ 35																					11
3 / 33																					6
2 / 31																					1
/ 29																					2
TAL	.4	7.9	15.7	23.8	22.1	17.9	7.8	3.4	.8	.1									972		972
																		972		972	

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.	4307428	63420	65.2	13.211	972							
Dry Bulb	3883146	61114	62.9	6.469	972			24.4	7.9	.4		90
Wet Bulb	3076598	54456	56.0	5.146	972			1.9				90
Dew Point	2517407	49089	50.5	6.277	972		.3	.1				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 64-68,76-81 YEARS | SEP MONTH

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

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				
[illegible] / 81								.2	.2	.2								6	6		
/ 79						.1		.6	.3									10	10		
7 / 77						.4	.5	.6	.1									16	16		
6/ 75				.1	.5	.3	.6	.1	.3	.2								21	21		
4/ 73				.9	.2	1.2	1.4	.2	.2									39	39		
[illegible] / 71			.1	.4	2.2	2.0	2.0	.9	.3									76	76		
/ 69			.2	.8	2.3	2.7	.4	.7	.4									70	70	2	
6 / 67			.2	.7	1.6	.9	1.1	.4	.1									48	48	23	
6/ 65		.2	1.1	1.9	2.3	1.5	1.4	.4	.2									85	85	33	4
4/ 63		.8	.6	3.5	4.4	3.7	1.2	.6										141	141	67	22
[illegible] / 61		.9	1.8	3.6	2.6	1.7	.1	.4										106	106	99	19
[illegible] / 59	.1	1.1	1.4	4.6	2.7	.9	.1	.2										106	106	90	54
[illegible] / 57		2.2	2.1	2.1	1.7	.8	.2											87	87	108	65
5[illegible] / 55	.1	1.6	2.0	1.9	.5	.7												65	65	146	101
4/ 53		1.9	1.2	.4	.6	.2												41	41	153	102
2/ 51	.1	1.2	.6	.4	.3													25	25	123	113
5 / 49			.3															3	3	52	121
[illegible] / 47	.2	.3	.1															6	6	30	98
4 / 45																				25	103
4/ 43																					53
2/ 41																					33
[illegible] / 39																					26
1 / 37																					19
[illegible] / 35																					8
3 / 33																					7
2/ 31																					1
/ 29																					2
TOTAL	.5	10.2	11.7	21.5	21.8	17.2	8.9	5.6	2.2	.4									951		951	
																		951		951	

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.	4117655	61037	64.2	14.516	951							
Dry Bulb	3875478	60376	63.5	6.680	951			27.1	8.7	.8		90
Wet Bulb	3037802	53530	56.3	5.099	951			2.4				90
Dew Point	2462870	48020	50.5	6.336	951		.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7125 — STATION
SEMBACH AB DL — STATION NAME
64-68,76-81 — YEARS
SEP — MONTH

1800-2000 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
/ 79									.1									1	1		
7 / 77							.2	.1										3	3		
6 / 75						.1	.2	.1										4	4		
4 / 73				.1	.2	.5	.4	.1										11	11		
/ 71				.2	.8	.4	.1											13	13		
/ 69		.1		.5	1.1	.7	.2		.1									23	23		
/ 67			.6	1.2	1.6	.2	.5		.1									35	35	3	
6 / 65		.5	1.4	3.0	1.5	.5	.2		.1									56	56	13	1
4 / 63		1.6	1.7	4.2	1.7	1.3	.4	.4										93	93	33	10
2 / 61		1.2	4.0	2.8	2.2	1.1	.4											96	96	61	17
/ 59	.1	2.5	3.6	2.5	1.2	.4		.1										87	87	62	40
/ 57	.2	4.3	4.7	3.5	1.3	.2	.2											121	121	117	62
5 / 55	.2	3.5	4.4	2.4	.7	.6												99	99	107	94
4 / 53	.2	3.5	4.3	2.2	.6	.1	.1											92	92	120	92
2 / 51		3.4	2.5	.8	.4													59	59	124	107
1 / 49	.5	1.1	1.3	.5														28	28	121	105
1 / 47		1.1	.1	.2														12	12	52	98
1 / 45			.1															1	1	33	91
0 / 43																				7	53
0 / 41																				1	24
0 / 39																					11
0 / 37																					21
0 / 35																					5
0 / 33																					2
0 / 31																					3
/ 29																					1
TAL	1.3	22.7	28.8	24.1	12.7	6.1	3.0	.8	.5										834		834
																		834		834	

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.	4723943	61809	74.1	13.111	834							
Dry Bulb	2949121	49353	59.2	5.859	834			9.7	2.1			93
Wet Bulb	2491746	45402	54.4	4.914	834			.3				90
Dew Point	2157832	42136	50.5	5.901	834		.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB DL STATION NAME | 64-66,76-81 YEARS | SEP MONTH

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

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				
4/ 73						.2												1	1		
/ 71					.2													2	2		
/ 69				.2	.5	.2												5	5		
4/ 67			.2	.2	.2													3	3		
6/ 65			.3	1.3														10	10		
4/ 63		1.6	1.9	2.3	.9		.2											44	44	9	1
2/ 61		2.7	2.7	1.1	.5													44	44	16	6
/ 59	.2	4.1	4.4	.9	1.3	.2	.2											71	71	46	18
/ 57	.5	4.5	3.0	.6	.2	.3	.2											59	59	61	51
5/ 55	.3	5.8	2.2	1.4	.2	.5												66	66	76	58
4/ 53	.8	8.0	4.2	1.6	.5													96	96	74	62
2/ 51	.8	8.9	6.1	1.3	.5													112	112	84	65
5/ 49	.3	6.7	1.7	.5	.2													60	60	113	92
4/ 47	.3	4.2	1.9	.5														44	44	84	65
4/ 45		1.4	1.3															17	17	46	84
4/ 43		.5	.3															5	5	15	34
2/ 41		.2																1	1	13	25
/ 39																				1	15
3/ 37																					19
/ 35																					3
2/ 31																					2
TAL	3.1	48.4	30.0	11.7	5.0	1.3	.5												640		640
																		640		640	

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.	4443324	52882	82.6	10.746	640							90
Dry Bulb	1952325	35185	55.0	5.304	640			1.5	.1			90
Wet Bulb	1749454	33316	52.1	4.869	640							90
Dew Point	1594824	31754	49.6	5.500	640		.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7122 — STATION
SEMBACH AB DL — STATION NAME
64-68,76-81 — YEARS
SEP — MONTH

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
/ 81								.1	.0	.0								10	10		
/ 79						.0	.0	.1	.1	.0								18	18		
7 / 77						.1	.2	.1	.0									32	32		
6/ 75				.0	.2	.2	.2	.0	.1	.0								52	52		
4/ 73				.3	.2	.5	.4	.1	.0									93	93		
/ 71			.0	.2	.8	.7	.5	.2	.1									158	158		
/ 69		.0	.1	.4	1.0	1.1	.1	.2	.1									190	190	3	
/ 67			.3	.7	1.2	.4	.3	.1	.0									194	194	46	1
6/ 65		.1	.8	1.4	.9	.7	.4	.1	.0									282	282	94	6
4/ 63		.9	1.4	2.8	1.7	1.3	.4	.2										544	544	203	64
/ 61	.1	1.3	2.2	2.1	1.7	.6	.2	.1										518	518	356	85
/ 59	.1	2.5	2.4	2.2	1.3	.3	.1	.1										566	566	429	248
/ 57	.3	3.4	3.1	2.1	.8	.4	.2											638	638	628	390
5 / 55	.3	4.4	2.8	1.6	.5	.4												634	634	725	558
4/ 53	.2	4.9	2.8	1.1	.5	.1	.0											606	606	840	595
/ 51	.7	5.8	2.6	.6	.3	.0												631	631	880	821
/ 49	.4	4.0	1.4	.4	.0													393	393	739	641
/ 47	.4	2.5	.5	.2	.0													234	234	531	746
/ 45	.5	2.5	.7	.1														233	233	365	783
4/ 43	.2	1.6	.3															129	129	199	360
2/ 41	.1	.8	.1	.0														66	66	135	264
/ 39	.1	.2	.1															25	25	52	186
/ 37	.	.2	.0															15	15	26	149
/ 35		.1	.0															6	6	9	66
/ 33																				5	34
/ 31																					20
/ 29																					7
/ 27																					3
TAL	3.5	35.0	21.7	16.2	11.2	7.1	3.1	1.5	.5	.1									6267		6267
																		6267		6267	

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.	38187634	480100	76.6	14.992	6267							
Dry Bulb	21[illegible]131[illegible]2	359713	57.4	7.650	6267			85.8	23.6	1.4		720
Wet Bulb	17874467	332707	53.1	5.809	6267			5.9				720
Dew Point	15513559	310521	49.5	6.028	6267		3.4	.1				720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] STATION | SEMBACH AB OL STATION NAME | 64-67,81 YEARS | OCT MONTH

PAGE 1 0000-0200 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
4/ 63					.5													2	2		
/ 61				.5	.5													5	5		
/ 59		.3	2.8	.5														14	14		
/ 57		2.1	2.1															16	16	7	
5 / 55		4.4	.8															20	20	28	8
4/ 53		9.3	2.3	.5														47	47	34	27
2/ 51	.3	7.3	1.6	.5														37	37	50	48
5 / 49	1.0	6.5	2.1	.3														38	38	34	35
/ 47	1.1	3.9	2.1															27	27	31	29
4 / 45	.3	8.5	1.6															40	40	37	35
4/ 43	.3	7.8	.3															32	32	44	27
2/ 41	.3	3.4																14	14	29	41
/ 39	2.1	7.3	1.3															41	41	23	38
3 / 37	1.0	3.9	1.8															26	26	33	27
/ 35	.5	.5	.8															7	7	18	25
3 / 33	.3	1.0	.3															6	6	9	10
2/ 31	1.0	1.6																10	10	11	12
/ 29	.5	.5																4	4	8	18
/ 27																					6
TOTAL	9.5	68.1	19.7	2.3	1.3														386		386
																		386		396	

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.	2963743	33683	87.3	7.979	386							
Dry Bulb	875419	18157	47.0	7.444	386		3.4					93
Wet Bulb	808648	17462	45.2	6.969	386		4.6					93
Dew Point	746855	16751	43.4	7.193	386		8.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 64-67,76-81 — OCT

STATION — STATION NAME — YEARS — MONTH

 0300-0500 HOURS (L. S. T.)

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				
[illegible] / 63					.2													1	1		
[illegible] / 61				.2	.2													2	2		
/ 59		.8	1.8	.4	.4													17	17		
/ 57		2.4	1.0															17	17	6	
5 / 55		3.8	.8	.4														25	25	30	8
[illegible] / 53	.2	6.6	1.8	.2														44	44	27	31
[illegible] / 51	.4	3.2	3.4	.2														36	36	39	44
5 / 49	.6	5.6	1.6	.6														42	42	42	31
/ 47	1.[illegible]	8.2	2.0	.4														58	58	45	29
[illegible] / 45	1.[illegible]	8.0	4.2															66	66	65	72
4/ 43		5.2	1.2	.2														33	33	49	31
[illegible] / 41	1.[illegible]	5.6	.6															36	36	43	54
[illegible] / 3[illegible]	1.8	4.6	.2															33	33	39	54
3 / 37	1.4	4.0	.2															28	28	38	34
[illegible] / 35	1.2	5.0	.4															33	33	32	32
3 / 33	.4	1.4	.2															10	10	20	29
[illegible] / 31	.8	1.8																13	13	13	26
/ 29	.6	.6																6	6	12	13
[illegible] / 27	.4																	2	2	2	12
/ 25																					2
TAL	1[illegible].9	66.5	19.3	2.6	.8														502		502
																		502		502	

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.	3[illegible]56318	43812	87.3	8.[illegible]70	502							
Dry Bulb	1084816	23042	45.9	7.365	502		3.9					93
Wet Bulb	1[illegible]01077	22149	44.1	6.897	502		5.0					93
Dew Point	922472	21224	42.3	7.084	502		9.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7127 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | OCT MONTH

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

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				
-/ 61			.3	.3	.1													5	5		
/ 59		.3	.8	.1														9	9		
/ 57		2.3	1.9	.7														36	36	6	1
5./ 55		2.4	1.5	.7														34	34	29	16
4/ 53		4.2	2.0	.5														51	51	38	35
2/ 51	.3	3.3	2.9	.1														50	50	55	42
5 / 49	.7	5.7	2.5	.3														69	69	61	45
4 / 47	.8	6.2	2.5	.4	.1													76	76	69	39
4 / 45	1.6	9.4	4.1	.7														119	119	98	111
4/ 43	.7	5.7	1.1	.1														57	57	89	77
2/ 41	1.7	6.4	1.7															74	74	76	77
- / 39	1.3	3.9	.1															40	40	62	68
3 / 37	2.4	2.8	.4															42	42	54	55
- / 35	1.3	2.8	.7															36	36	38	44
3 / 33	1.6	1.3	.5															26	26	37	45
2/ 31	1.5	.5																15	15	26	39
/ 29	.4	.9																10	10	11	25
- / 27	.4	.1																4	4	4	12
/ 25																					10
TOTAL	14.6	58.3	23.0	3.9	.3														753		753
																		753		753	

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.	5679182	65066	86.4	8.698	753							
Dry Bulb	1599529	34291	45.5	7.103	753		3.6					93
Wet Bulb	1468833	32885	43.7	6.592	753		5.1					93
Dew Point	1340424	31352	41.6	6.827	753		10.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7128 | SEMBACH AB DL | 64-67,76-81 | OCT
STATION | STATION NAME | YEARS | MONTH

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

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					
/ 71					.1		.1												2	2		
/ 69						.1													1	1		
/ 67					.1	.3													4	4		
6/ 65			.2	.4	.6	.1													12	12		
4/ 63			.4	1.3	1.1	.4													30	30	1	
/ 61		.1	.4	1.1															15	15	3	
/ 59		1.3	2.5	1.6	.2	.1													52	52	19	3
/ 57		1.6	2.2	.9	.6														47	47	40	9
5 / 55	.1	3.4	1.4	2.2	.3														68	68	61	23
4/ 53	.1	3.4	3.7	2.3	.3														89	89	65	60
2/ 51	.4	2.2	3.9	.7	.7														71	71	68	78
5 / 49	.4	3.1	3.4	1.3															75	75	90	55
/ 47	.2	4.5	2.7	1.2															78	78	94	55
8 / 45	.8	9.1	4.3	1.0															137	137	119	141
4/ 43	.7	4.9	3.0	.3															80	80	95	100
2/ 41	1.[illegible]	4.1	.9	.3															57	57	95	106
4 / 39	.4	2.5	.3	.1															31	31	61	77
3 / 37	.3	2.1	.3	.1															26	26	37	73
2 / 35	.4	1.3	.2																15	15	32	47
35 / 33	.2	.7																	8	8	12	32
2/ 31		.6																	5	5	8	26
/ 29																					3	9
/ 27																						6
/ 25																						3
TOTAL	5.2	44.6	31.0	15.0	4.0	1.1	.1												903		903	
																				903		903

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.	6033384	73172	81.0	10.743	903							
Dry Bulb	2265260	44738	49.5	7.353	903		.5	.7				93
Wet Bulb	2001411	42113	46.6	6.439	903		1.1					93
Dew Point	1768329	39515	43.8	6.589	903		4.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 712? STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | OCT MONTH

 1200-1400 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
7 / 77								.1										1	1		
76/ 75							.1	.4										5	5		
4/ 73						.2	.7	.1										9	9		
2/ 71					.3	.3	.3	.4										13	13		
7 / 69				.2	.2	.4	.2											10	10		
6 / 67				.1	1.0	.9	.2											20	20		
6/ 65				1.2	1.2	.2	.2											26	26		
4/ 63			.3	2.0	1.5	1.5												49	49	14	
2/ 61			1.2	2.5	1.8	.8												57	57	26	
/ 59		.9	2.2	2.0	1.2	.3												60	60	31	7
/ 57	.1	1.1	3.2	3.1	1.4	.3												84	84	66	18
5 / 55	.1	1.1	2.2	2.5	1.2	.1												66	66	68	45
4/ 53	.1	1.8	3.3	2.6	1.0	.1												81	81	83	53
2/ 51	.3	2.0	3.6	2.3	.6	.1												81	81	103	76
9 / 49	.1	1.9	3.4	3.4	.7													86	86	89	76
/ 47		3.0	3.6	2.5	.2													85	85	93	94
4 / 45		5.3	3.2	1.8	.4													97	97	104	116
4/ 43		2.0	1.8	.6	.1													40	40	105	103
2/ 41	.7	.9	.4															18	18	60	79
/ 39		.6	.7	.3														14	14	34	87
3/ 37		.1		.2														3	3	22	53
/ 35			.1															1	1	5	37
3 / 33																				1	35
2/ 31																				2	13
/ 29																					2
/ 27																					6
/ 25																					4
2 / 23																					2
TOTAL	1.4	20.5	29.4	27.5	12.9	5.4	1.8	1.1										906		906	
																			906		906

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.	4872722	65494	72.3	12.358	906							
Dry Bulb	2694576	48916	54.0	7.692	906			6.0	1.5			93
Wet Bulb	2240302	44692	49.3	6.280	906		.2					93
Dew Point	1866494	40670	44.9	6.717	906		2.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]120 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
[illegible]6/ 75							.1	.6										6	6		
[illegible]4/ 73						.6	.6											10	10		
/ 71					.4	.3	.4	.1										12	12		
/ 69				.2	.1	.7	.3											12	12		
[illegible] / 67			.1	.1	.2	1.3												16	16		
6/ 65			.1	.3	1.4	.4												21	21	1	
[illegible]4/ 63			.3	1.7	1.5	1.0	.2											43	43	16	
[illegible]2/ 61		.2	2.4	2.5	3.0	1.0		.1										84	84	18	2
[illegible]/ 59		.9	2.2	2.9	1.3	.3												69	69	29	9
[illegible]/ 57		.6	2.6	2.6	1.7	.1												69	69	75	15
5[illegible] / 55		1.5	2.2	3.8	1.0	.2												79	79	65	40
4/ 53		1.5	3.4	1.8	1.3	.2												75	75	97	51
[illegible]2/ 51	.4	1.3	4.0	2.6	.8													83	83	99	84
5 / 49	.1	1.2	5.3	3.9	.6													100	100	94	69
[illegible] / 47	.1	2.3	2.8	2.5	.6	.1												76	76	99	96
4[illegible]/ 45	.3	4.3	2.4	2.0	1.1													92	92	104	124
4/ 43		.6	2.1	.3														27	27	92	100
2/ 41	.3	1.1	.6															18	18	45	87
[illegible] / 39		.4	.3	.2														9	9	48	68
3 / 37			.2	.2														4	4	16	49
[illegible]/ 35			.1															1	1	2	46
3[illegible]/ 33																				3	23
[illegible]2/ 31																				3	16
[illegible] / 29																					15
[illegible]/ 27																					4
[illegible]/ 25																					3
2[illegible]/ 23																					3
[illegible]TAL	1.3	16.0	31.2	27.7	15.0	6.3	1.7	.8											906		906
																		906		906	

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.	4714793	64413	71.1	12.226	906							
Dry Bulb	2726734	49236	54.3	7.509	906			5.7	1.6			93
Wet Bulb	2252134	44814	49.5	6.258	906		.3					93
Dew Point	1860349	40583	44.8	6.852	906		4.2					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 69					.1	.1												2	2		
/ 67			.1	.1	.3	.1												5	5		
6/ 65			.3	.3	.1	.3												7	7		
4/ 63		.1	.4	.8	1.1	.3												20	20	2	
/ 61		.3	.8	1.6	.3													22	22	4	1
/ 59		1.1	3.4	.3	.9		.1	.1										45	45	15	5
/ 57	.4	2.0	2.5	1.1	.4													48	48	39	11
5/ 55		2.8	4.2	1.6	.9													72	72	53	19
4/ 53		3.7	4.5	2.1	.4													81	81	44	47
2/ 51	.4	3.3	4.0	.9														65	65	92	71
/ 49	.4	2.0	3.7	.7														51	51	68	57
/ 47		5.1	4.7	1.2														84	84	91	56
/ 45	.8	7.8	4.2	1.3	.1													108	108	86	105
4/ 43	.3	3.7	2.2	.9	.4													57	57	87	82
2/ 41	.3	4.1	.8	.7														44	44	66	79
/ 39		2.0	1.4															26	26	47	73
/ 37		1.2	.8															15	15	35	50
/ 35		.4	.1															4	4	18	46
/ 33																				9	17
2/ 31		.1	.1															2	2		13
/ 29		.1																1	1	2	14
/ 27																				1	6
/ 25																					5
/ 23																					2
TAL	2.5	39.7	38.3	13.4	5.0	.8	.1	.1										759		759	759
																		759		759	

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.	4859248	60212	79.3	10.438	759							
Dry Bulb	1962818	38244	50.4	6.873	759		.4	.9				93
Wet Bulb	1722254	35840	47.2	6.279	759		.4					93
Dew Point	1508689	33435	44.1	6.875	759		4.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 — STATION
SEMBACH AB DL — STATION NAME
64-67,76-81 — YEARS
OCT — MONTH

PAGE 1

2100-2300 — 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
-6/ 65			.2		.3													3	3		
4/ 63			.2	.3	.5													6	6		
2/ 61		.3	.3	1.6	.5													17	17	1	
/ 59		.9	2.8	.5														27	27	3	
/ 57	.3	.6	2.2	1.4														29	29	22	10
5 / 55		4.7	1.3	.8														43	43	36	5
4/ 53		5.2	3.0	.9	.3													60	60	51	43
2/ 51	.5	6.0	2.4	1.9	.2													69	69	57	55
5 / 49	.8	3.6	3.1	.3														50	50	67	58
4 / 47	.6	4.4	2.5															48	48	57	51
4 / 45	1.1	8.2	3.6	.2														83	83	76	77
4/ 43	.5	6.3	2.5															59	59	58	52
2/ 41	.8	4.4	.8	1.1														45	45	62	68
4 / 39	1.3	4.4	1.3	.2														45	45	52	62
3 / 37	.6	2.5	1.7															31	31	38	48
/ 35	.2	1.1	.3															10	10	33	42
3 / 33		1.1																7	7	15	19
2/ 31	.2	.2																2	2	5	22
/ 29																				1	12
2 / 27		.5																3	3	2	9
/ 25																				1	1
24/ 23																					3
TOTAL	6.8	54.3	28.1	9.1	1.7														637		637
																		637		637	

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.	4523146	53336	83.7	9.494	637							
Dry Bulb	1511167	30695	48.2	7.101	637		.7					93
Wet Bulb	1364294	29182	45.8	6.566	637		1.3					93
Dew Point	1229248	27628	43.4	6.978	637		6.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7126 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | OCT MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 77								.0										1	1		
6/ 75							.0	.2										11	11		
4/ 73						.1	.2	.0										19	19		
/ 71					.1	.1	.1	.1										27	27		
/ 69				.1	.1	.2	.1											25	25		
6 / 67			.0	.1	.2	.4	.0											45	45		
6/ 65			.1	.3	.6	.2	.0											69	69	1	
4/ 63		.0	.2	.9	.9	.5	.0											151	151	33	
2/ 61		.1	.8	1.4	.9	.3		.0										207	207	52	3
/ 59		.9	2.3	1.2	.6	.1	.0	.0										293	293	97	24
/ 57	.1	1.5	2.3	1.4	.6	.1												346	346	261	64
5 / 55	.0	2.8	1.9	1.8	.5	.1												407	407	370	166
4/ 53	.1	3.9	3.1	1.6	.5	.1												528	528	439	347
2/ 51	.4	3.2	3.4	1.3	.3	.0												492	492	553	496
5 / 49	.5	3.3	3.4	1.6	.2													511	511	545	426
/ 47	.4	4.5	3.0	1.2	.1	.0												532	532	579	449
4 / 45	.7	7.4	3.5	1.0	.3													742	742	689	781
4/ 43	.3	4.1	1.9	.3	.1													385	385	619	572
2/ 41	.8	3.5	.8	.3														306	306	476	591
/ 39	.7	2.7	.7	.1														239	239	366	547
/ 37	.6	1.8	.6	.1														175	175	273	389
/ 35	.4	1.2	.3															107	107	178	321
3 / 33	.3	.6	.1															57	57	106	210
2/ 31	.3	.5	.0															47	47	68	167
/ 29	.1	.2																21	21	37	108
/ 27	.1	.1																9	9	9	61
/ 25																				1	28
/ 23																					10
TOTAL	5.8	42.0	28.4	14.7	6.1	2.1	.6	.1										5752		5752	
																		5752		5752	

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.	37502536	459188	79.8	12.122	5752							
Dry Bulb	14720319	287719	50.0	8.004	5752		10.0	16.6	4.0			744
Wet Bulb	12858923	269137	46.8	6.800	5752		14.9					744
Dew Point	11242860	251158	43.7	6.930	5752		48.4					744

USAFETAC FORM 0-26-3 (OL A) AS 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 STATION | SEMBACH AB DL STATION NAME | 64-67,77,79 YEARS | NOV MONTH

 0000-2300 HOURS (L. S. T.)

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				
5 / 55			.5															2	2		
4 / 53		1.3	.5															7	7	3	1
2 / 51		1.1	1.3															9	9	5	2
5 / 49		2.1	1.1	.5														14	14	7	7
/ 47			.3															1	1	15	5
4 / 45	.3	9.9																38	38	17	17
4 / 43	.3	5.1	.8															23	23	29	23
3 / 41	1.3	7.2	.3	.5														35	35	33	29
4 / 39	.5	4.9	1.9															24	24	27	31
3 / 37		6.7	.8															28	28	20	20
/ 35	.8	7.2	.8															33	33	38	18
3 / 33	.5	8.6	1.1															38	38	26	28
2 / 31	2.4	11.3																51	51	59	42
/ 29	.3	6.7																41	41	55	58
/ 27	.5	1.6																8	8	15	42
/ 25	.5	2.9																13	13	7	22
2 / 23		.5																2	2	11	6
2 / 21	.8	.5																5	5	5	10
/ 19	.3																	1	1	1	9
/ 17																					3
TOTAL	12.6	76.9	9.4	1.1														373	373	373	373

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.	28757.6	32658	87.6	6.627	373							
Dry Bulb	534571	13851	37.1	7.374	373		29.2					90
Wet Bulb	496459	13355	35.8	7.012	373		36.9					90
Dew Point	445241	12585	33.7	7.446	373		46.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7123 — STATION
SEMBACH AB DL — STATION NAME
64-67,76-81 — YEARS
NOV — MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

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					
[illegible] / 57		.2																	1	1		
5 / 55		.2																	1	1	1	
[illegible]4 / 53		1.0	.2																6	6	2	1
[illegible]2 / 51		1.0	1.7																13	13	5	2
5 / 49		1.7	1.9																17	17	8	6
[illegible] / 47	.2	2.7	1.0																19	19	26	9
4[illegible] / 45		6.7	1.0																37	37	23	23
4[illegible] / 43	1.0	6.1	.2	.4															37	37	40	39
[illegible]2 / 41	1.3	6.7	.6	.2															42	42	40	31
[illegible] / 39	1.0	1.7	1.7	.4															23	23	30	42
3[illegible] / 37	.8	6.9	1.0																42	42	25	22
[illegible] / 35	1.3	6.7	.2																39	39	46	22
3[illegible] / 33	.4	9.6																	48	48	40	34
[illegible]2 / 31	2.7	10.7	1.3																70	70	72	57
[illegible] / 29	1.5	5.9	.2																36	36	61	69
[illegible] / 27	1.9	1.9	.8																22	22	24	43
[illegible] / 25	.4	1.7																	10	10	13	32
[illegible] / 23		1.3																	6	6	9	14
[illegible]2 / 21	.4	.6																	5	5	8	7
[illegible] / 19	.4	.2																	3	3	3	11
[illegible] / 17	.2																		1	1	2	9
1[illegible] / 15																						5
TOTAL	13.6	73.4	11.9	1.0															478	478	478	478

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.	3624132	41460	86.7	7.667	478							
Dry Bulb	692018	17828	37.3	7.535	478		28.8					90
Wet Bulb	639382	17138	35.9	7.228	478		36.2					90
Dew Point	569611	16077	33.6	7.781	478		46.5					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7127 SEMBACH AB DL 64-67,76-81 NOV
STATION STATION NAME YEARS MONTH

 0600-0800
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
[illegible] / 57		.1	.6		.1													8	8		
5[illegible] / 55		.1																1	1	1	
4 / 53		.8																6	6	5	1
2 / 51		.3	1.8	.3														17	17	6	5
[illegible] / 49	.3	1.7	2.4															31	31	10	8
[illegible] / 47	.3	3.0	.6	.1														28	28	45	13
4 / 45	1.4	6.5	1.3	.1														66	66	43	41
4 / 43	1.[illegible]	5.4	1.4	.7														60	60	52	50
2 / 41	.7	6.4	1.4															60	60	55	55
[illegible] / 39	.6	4.4	1.0															42	42	59	46
3 / 37	1.4	5.9	.7															57	57	50	49
[illegible] / 35	1.[illegible]	6.9	.6															60	60	59	45
3 / 33	.7	6.8	.8															59	59	60	49
2 / 31	2.3	9.1	2.1															95	95	90	86
[illegible] / 29	.7	4.8	.3															41	41	74	70
[illegible] / 27	1.1	2.8	1.0															35	35	37	69
[illegible] / 25	.7	2.3																21	21	26	37
[illegible] / 23		1.1																8	8	14	25
2 / 21	.3	.7																7	7	13	11
[illegible] / 19																				1	17
[illegible] / 17	.6																	4	4	4	16
1 / 15	.3																	2	2	2	7
[illegible] / 13																					6
TOTAL	13.3	69.3	16.0	1.3	.1														706		706
																		706		706	

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.	5226118	60450	85.6	8.604	706							96
Dry Bulb	1045890	26622	37.7	7.720	706		27.2					96
Wet Bulb	960160	25508	36.1	7.394	706		33.3					96
Dew Point	847261	23789	33.7	8.049	706		43.9					96

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[redacted] STATION | SEMBACH AB OL STATION NAME | 64-67,76-81 YEARS | NOV MONTH

PAGE 1 0900-1100 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
/ 59			.2															2	2		
/ 57		.1	.2	.2														5	5		
5 / 55		.1	.9	.6														14	14	3	
4 / 53		.4	.6	.4														11	11	3	3
2 / 51		1.1	2.3	.2														31	31	16	3
/ 49	.2	.9	3.0	.2														38	38	30	16
/ 47	.1	3.0	1.4	.2	.1													42	42	46	15
4 / 45	.8	6.1	1.5	.5														76	76	58	63
4 / 43	.6	3.7	2.1	.6														60	60	65	57
2 / 41	.5	8.5	1.8	.5														96	96	60	65
/ 39	.6	5.5	.9	.2														62	62	67	66
3 / 37	1.6	4.6	1.5	.1														67	67	76	67
/ 35	.6	9.0	1.4	.1														95	95	68	53
3 / 33	.9	5.0	1.5	.1														65	65	96	79
2 / 31	2.3	6.5	1.4															88	88	100	100
/ 29	.6	4.8	.6															51	51	94	81
/ 27	.5	1.9	1.4															32	32	33	72
/ 25	.4	1.1																12	12	35	30
/ 23		.1																1	1	8	29
2 / 21	.2	.1																3	3	3	28
/ 19	.2																	2	2	2	10
/ 17	.1																	1	1	1	11
1 / 15	.1																	1	1	1	3
/ 13																					2
TAL	10.4	62.6	22.9	4.0	.1													855	855	855	855

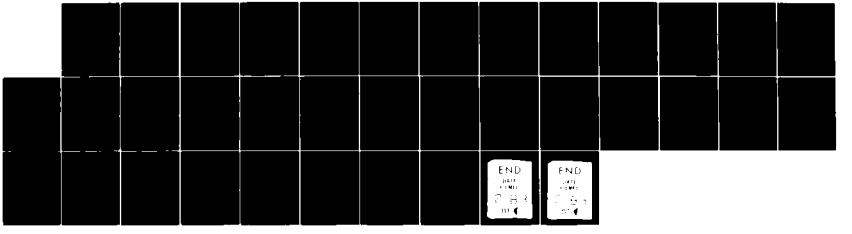
Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Rel. Hum.	6179258	71842	84.0	9.225	855							
Dry Bulb	1358243	33475	39.2	7.452	855		20.1					90
Wet Bulb	1229409	31855	37.3	7.061	855		26.0					90
Dew Point	1074382	29592	34.6	7.666	855		38.7					90

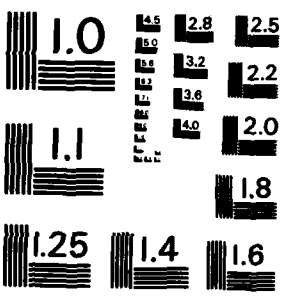
USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A122 711 SEMBACH AB GERMANY (WEST) REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSE..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 28 JUL 82

UNCLASSIFIED USAFETAC/DS-82-048 SBI-AD-E880 204 F/G 4/2 NL

5/5





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | NOV MONTH

 1200-1400 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
4/ 63				.1														1	1		
2/ 61				.2	.1													3	3		
/ 59			.3		.1													4	4		
/ 57			.3	.9	.2													13	13	1	
5 / 55			1.2	1.4	.3													25	25	5	
4/ 53		1.0	1.5	.8														29	29	4	4
2/ 51		.5	3.7	.7														42	42	31	4
5 / 49		.7	3.1	.7	.3													42	42	47	12
4 / 47	.1	3.4	3.7	.9	.9													78	78	45	25
4 / 45	.3	5.5	2.1	2.0	.1	.1												87	87	88	75
4/ 43	.1	2.8	4.3	1.9	.5													82	82	67	65
2/ 41	.3	5.8	2.2	1.3														83	83	71	71
4 / 39	.3	5.1	2.6	1.0	.2													80	80	86	65
3 / 37	.2	4.3	2.0	1.3														67	67	83	72
/ 35	.6	4.5	.9	.9														60	60	88	65
3 / 33	.5	6.6	1.2	.2														73	73	74	78
2/ 31	.1	3.7	1.4	.1														46	46	94	91
/ 29	.1	2.2	.9															28	28	29	83
/ 27		1.2	.2															12	12	30	41
/ 25		.1																1	1	12	43
2 / 23		.3																3	3	3	33
2/ 21																				1	16
/ 19																					9
1 / 17																					7
TOTAL	2.6	47.8	31.8	14.6	2.9	.1													859		859
																		859		859	

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.	5401030	67420	78.5	11.294	859							
Dry Bulb	1560326	36058	42.0	7.380	859		9.4					90
Wet Bulb	1357731	33649	39.2	6.796	859		17.7					90
Dew Point	1131820	30514	35.5	7.470	859		33.8					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] SEMBACH AB DL 64-67,76-81 NOV
STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
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
4/ 63				.2														2	2		
/ 61			.1		.1													2	2		
/ 59			.4		.1													4	4		
/ 57			.4	.8	.2													12	12	3	
5/ 55			.7	.8	.1													14	14	3	
4/ 53		.6	1.8	1.1	.1													30	30	4	4
2/ 51		1.1	2.6	1.4	.2													45	45	24	2
5/ 49		1.5	3.2	1.3	.1													52	52	53	12
/ 47	.2	2.2	3.5	1.2	.7													67	67	50	29
4/ 45	.1	6.2	2.6	1.2	.6	.1												92	92	81	78
4/ 43	.1	2.9	4.1	2.8	.4													88	88	65	49
2/ 41	.4	5.1	2.7	1.3	.5													85	85	73	74
4/ 39	.6	5.4	2.8	.5														79	79	85	67
3/ 37	.6	5.6	.8	.8														67	67	100	68
/ 35	.1	4.6	1.5	1.3														64	64	82	74
3/ 33	.7	6.1	1.3	.6														74	74	72	87
2/ 31		3.0	1.1	.2														37	37	86	79
/ 29	.4	1.6	1.3															28	28	32	70
2/ 27	.1	.8	.1															9	9	26	61
/ 25		.4																3	3	12	30
2/ 23		.1																1	1	4	30
2/ 21																					21
/ 19																					11
/ 17																					6
1/ 15																					1
TOTAL	3.3	47.3	30.8	15.4	3.2	.1													855		855
																		855		855	

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.	5338327	66833	78.2	11.563	855							
Dry Bulb	1553562	35924	42.0	7.191	855		8.2					90
Wet Bulb	1350469	33499	39.2	6.668	855		16.8					90
Dew Point	1122765	30307	35.4	7.534	855		32.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7127 — STATION
SEMBACH AB DL — STATION NAME
64-67,76-81 — YEARS
NOV — MONTH

1800-2000 — 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
/ 59			.4															3	3		
/ 57			.6	.4														7	7		
/ 55		.1	.1	.4	.1													6	6	3	
/ 53		.7	.7	.4														13	13	5	1
/ 51		.9	1.7	.3	.1													21	21	12	6
/ 49		1.3	2.1	.1														25	25	16	13
/ 47	.4	3.3	2.6	.4														47	47	40	8
/ 45		7.6	3.6	.4														81	81	58	40
/ 43	.4	5.0	3.6	1.1	.1													72	72	55	52
/ 41	.3	4.6	2.3	.9														56	56	63	61
/ 39	.4	6.7	2.7	.6														73	73	70	62
/ 37	1.1	7.4	1.3															69	69	71	59
/ 35	1.4	5.3	1.0	.4														57	57	90	61
/ 33	1.1	4.3	.6	.1														43	43	53	94
/ 31	.4	7.8	1.1															66	66	61	50
/ 29	.6	2.0	1.3															27	27	45	59
/ 27	.3	1.7	1.3															23	23	27	57
/ 25	.4	.7																8	8	26	20
/ 23		.4																3	3	4	17
/ 21	.1																	1	1	2	23
/ 19																					12
/ 17																					6
TAL	7.1	59.8	27.0	5.7	.4														701		701
																		701		701	

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.	4653524	57958	82.7	9.382	701							
Dry Bulb	1158649	28055	40.0	7.156	701		16.4					90
Wet Bulb	1039730	26584	37.9	6.717	701		21.2					90
Dew Point	897722	24562	35.0	7.281	701		31.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7120 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
/ 59			.2															1	1		
/ 57		.2	.3	.3														5	5		
5 / 55		.5	.3															5	5	2	
4 / 53		.9	.7	.3	.2													12	12	8	4
2 / 51		1.4	.9	.3														15	15	10	6
5 / 49		1.9	.9	.3														18	18	11	9
/ 47	.3	1.5	1.7															21	21	24	13
4 / 45	.3	8.2	1.5	.2														60	60	41	24
4 / 43	.2	4.9	2.0	.2														43	43	42	33
2 / 41	.2	6.3	2.0	1.0														56	56	36	47
4 / 39	1.2	7.5	1.5															60	60	66	43
3 / 37	1.2	6.0	.7															46	46	59	54
/ 35	1.1	7.5	1.5	.2														60	60	57	51
3 / 33	.9	6.3	1.0	.2														49	49	55	53
2 / 31	1.7	8.5	.5															63	63	75	63
/ 29	.7	3.6	.5															28	28	46	63
/ 27	.3	3.4	1.2															29	29	19	49
/ 25	.3	1.5																11	11	24	26
/ 23		.3																2	2	8	9
2 / 21																				1	15
/ 19	.3																	2	2	2	18
/ 17	.2																	1	1	1	4
1 / 15																					3
TOTAL	8.9	70.4	17.5	3.1	.2														587		587
																		587		587	

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	≥ 88 F	≥ 93 F	Total
Rel. Hum.	4275238	49838	84.9	8.650	587							
Dry Bulb	911562	22730	38.7	7.321	587		20.9					90
Wet Bulb	832026	21718	37.0	6.973	587		27.0					90
Dew Point	730633	20229	34.5	7.562	587		38.3					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7129 (STATION) SEMBACH AB DL (STATION NAME) 64-67,76-81 (YEARS) NOV (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 63				.1														3	3		
2/ 61			.0	.0	.0													5	5		
/ 59			.2		.0													14	14		
/ 57		.1	.3	.4	.1													49	49	4	
5 / 55		.1	.5	.5	.1													68	68	18	
4/ 53		.8	.8	.4	.0													114	114	34	19
2/ 51		.9	2.2	.5	.1													193	193	109	30
5 / 49	.1	1.4	2.4	.4	.1													237	237	182	83
/ 47	.2	2.6	2.1	.4	.3													303	303	291	117
4/ 45	.4	6.8	1.9	.7	.1	.0												537	537	409	361
4/ 43	.4	4.3	2.6	1.1	.1													465	465	415	368
2/ 41	.5	6.3	1.8	.8	.1													513	513	431	433
4 / 39	.6	5.2	1.9	.4	.0													443	443	510	422
3 / 37	.9	5.7	1.2	.4														443	443	484	411
/ 35	.8	6.4	1.1	.4														468	468	528	389
3 / 33	.7	6.4	1.0	.2														449	449	476	502
2/ 31	1.3	6.9	1.2	.1														516	516	637	568
/ 29	.8	3.6	.7															280	280	406	553
/ 27	.5	1.8	.8															170	170	211	434
/ 25	.3	1.1																79	79	155	246
/ 23		.5																26	26	61	163
2/ 21	.2	.2																21	21	33	121
/ 19	.1	.0																8	8	9	103
/ 17	.1																	7	7	8	64
/ 15	.1																	3	3	3	19
/ 13																					8
TOTAL	8.3	61.1	22.7	6.8	1.1	.0												5414	5414		5414
																				5414	

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.	37705303	448459	82.8	10.153	5414							
Dry Bulb	8814621	214543	39.6	7.602	5414		147.6					720
Wet Bulb	7905366	203306	37.6	7.074	5414		202.5					720
Dew Point	6819435	187655	34.7	7.630	5414		303.1					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible] SEMBACH AB DL — STATION NAME — 64-67,77 — YEARS — DEC — MONTH

 0000-0200 HOURS (L. S. T.)

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				
2/ 51			1.1															4	4		
5 / 49		.5	.8															5	5		
[illegible] / 47		2.4	.8															12	12	11	
4 / 45		1.6	.8															9	9	7	6
4/ 43		2.1	1.1															12	12	11	15
2/ 41		5.4	1.1															24	24	14	4
4 / 39	1.9	5.4	.3															28	28	37	23
3 / 37	.3	9.7	.5															39	39	27	29
[illegible] / 35	1.1	10.2	1.3															47	47	36	25
3[illegible] / 33	.8	9.9	1.9															47	47	43	42
2/ 31	.8	15.5																61	61	65	43
[illegible] / 29	.5	5.1	.5															23	23	42	49
[illegible] / 27	.8	3.5	.5															18	18	24	48
[illegible] / 25	1.1	1.9																11	11	19	20
2[illegible] / 23		2.7																10	10	8	21
[illegible]2/ 21	.5	1.3																7	7	9	15
[illegible] / 19	1.9	.8																10	10	11	6
[illegible] / 17	.3	.5																3	3	4	16
1[illegible] / 15																					6
[illegible]4/ 13	.3																	1	1	1	2
1[illegible] / 11	.3	.3																2	2	2	
[illegible] / 9																					2
[illegible]/ 7																					1
TOTAL	10.5	78.8	10.7																373		373
																		373		373	

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.	2753730	31970	85.7	6.039	373							
Dry Bulb	457889	12805	34.3	7.013	373		36.4					93
Wet Bulb	420829	12283	32.9	6.629	373		46.1					93
Dew Point	364606	11360	30.5	7.076	373		57.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | DEC MONTH

 0300-0500 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
2/ 51			.2															1	1		
5 / 49		1.6	1.4	.2														16	16	1	
4 / 47		1.2	.4															8	8	13	2
4 / 45	.2	.8	1.0	.2														11	12	10	11
4/ 43		2.0	1.8															19	19	7	10
2/ 41	.4	4.3	1.0															28	28	23	21
4 / 39	.6	6.9	.2															38	38	40	19
3 / 37	.6	8.1	.6															46	46	43	39
3 / 35	1.2	9.2	1.8	.2														61	61	49	36
3 / 33	2.0	8.4	1.0															56	56	58	66
2/ 31	.6	12.8	.2															67	67	66	50
/ 29	.6	6.9																37	37	61	44
/ 27	1.8	3.7	.2															28	28	31	62
/ 25	.8	3.7																22	22	21	37
/ 23	1.0	2.2																16	16	26	22
2/ 21	1.0	1.2																11	11	12	28
/ 19	1.6	.8																12	12	14	9
/ 17	.6	.8																7	7	8	18
/ 15	.2	.6																4	4	4	14
/ 13		.2																1	1	2	4
/ 11	.2	.2																2	2	2	5
/ 9																					3
/ 7																					1
TOTAL	13.6	75.8	10.0	.6															492		491
																		491		491	

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.	3641151	42139	85.8	7.095	491							
Dry Bulb	588813	16627	33.8	7.403	492		39.1					93
Wet Bulb	538827	15899	32.4	6.999	491		46.8					93
Dew Point	467007	14687	29.9	7.516	491		56.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7128 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2/ 51			.1	.1														2	2		
5 / 49		1.4	.4	.3														15	15	3	
-/ 47		1.6	.1															13	13	16	6
4-/ 45	.4	2.6	1.2															31	31	24	19
-4/ 43	.4	2.4	1.5															32	32	19	19
-2/ 41	1.1	5.0	1.8															58	58	36	28
4 / 39	.1	6.4	.3															50	50	50	27
3-/ 37	1.2	6.0																53	53	71	50
-/ 35	.8	6.6	1.9															69	69	61	72
34/ 33	2.8	8.5	.8															90	90	74	76
-2/ 31	.8	8.1	.9															73	73	94	60
- / 29	1.8	7.0																65	65	82	65
2-/ 27	3.0	3.5	.1															49	49	55	92
-/ 25	1.4	4.3																42	42	32	52
2-/ 23	1.4	3.0																32	32	43	44
2/ 21	1.4	1.5																21	21	26	32
- / 19	1.4	.5																14	14	19	22
1-/ 17	1.1	1.2																17	17	20	24
1 / 15	.1	.4																4	4	5	24
1-/ 13	.1	.1																2	2	2	12
1-/ 11	.3	.4																5	5	5	6
- / 9	.3																	2	2	2	4
-/ 7																					5
TOTAL	19.8	70.6	9.2	.4															739		739
																		739		739	

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.	5622512	64218	86.9	7.550	739							
Dry Bulb	871138	24694	33.4	7.893	739		41.0					93
Wet Bulb	807595	23785	32.2	7.550	739		48.5					93
Dew Point	707602	22074	29.9	8.086	739		55.6					93

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7120 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | DEC MONTH

PAGE 1 | 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 53				.3														3	3		
2/ 51		.1	.1															2	2		
5 / 49		1.3	.7	.2														20	20	6	
4 / 47		1.5	.3	.6														21	21	16	9
4 / 45	.8	5.5	1.5															69	69	43	34
4/ 43	.2	2.1	1.5															34	34	40	30
2/ 41	1.1	4.0	1.6															60	60	55	43
4 / 39	.2	5.8	.3	.1														58	58	42	41
3 / 37	1.9	5.4	.3	.2														70	70	93	42
7 / 35	1.1	7.0	1.7															87	87	73	98
3 / 33	2.3	9.1	1.8															115	115	95	77
2/ 31	.3	8.7	.6															85	85	120	68
/ 29	1.7	6.0																68	68	85	99
3 / 27	1.9	5.3	.3															67	67	65	111
2 / 25	.9	3.7																41	44	44	55
2 / 23	.4	2.5																26	26	33	43
2/ 21	1.3	1.6																23	23	27	38
/ 19	.7	1.1																16	16	22	22
/ 17	.7	.8																13	13	19	24
1 / 15	.4	.4																8	8	6	30
/ 13		.1																1	1	4	14
1 / 11	.1	.1																2	2	2	4
/ 9																					3
/ 7																					3
/ 5																					1
TOTAL	15.6	72.2	10.7	1.5															892		889
																		889		889	

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.	6641089	76501	86.1	8.079	889							
Dry Bulb	1111036	30708	34.4	7.776	892		36.8					93
Wet Bulb	1021236	29392	33.1	7.465	889		44.7					93
Dew Point	893111	27241	30.6	8.109	889		53.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 7127 STATION — SEMBACH AB DL STATION NAME — 64-67,76-81 YEARS — DEC MONTH

PAGE 1 — 1200-1400 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 57				.1														1	1		
S / 55				.3														3	3		
4/ 53				1.0														9	9		
2/ 51	.1	.1	.4	.6	.1													12	12	2	1
5 / 49	.1	1.2	1.2	.4														27	27	13	1
/47	.1	2.1	.3	.8														30	30	31	11
4 / 45	.2	5.3	2.0															67	67	46	34
4/ 43	.8	4.2	1.2		.1													56	56	52	52
2/ 41		4.2	1.9	.4														58	58	56	35
4 / 39	.1	7.2	.7															71	71	47	48
3 / 37	.8	4.5	3.3	.1														77	77	91	43
/ 35	1.1	9.3	3.5															124	124	76	86
3 / 33	.9	8.5	2.5	.2														108	108	130	101
2/ 31	1.3	5.4	.7															63	63	129	69
/ 29	1.2	4.4	.3															53	53	59	110
2 / 27	.6	5.9	1.2															69	70	48	94
/ 25	.1	2.1																20	21	49	64
2/ 23	.1	1.7																16	16	23	35
2/ 21	.7	.8																13	13	21	24
/ 19	.9	.4																12	12	13	40
/ 17		.1																1	1	4	19
/ 15		.1																1	1		13
/ 13																				1	8
/ 11																					1
/ 7																					2
TOTAL	3.9	67.6	19.3	4.0	.2														893		891
																		891		891	

Element (X)	Σx^2	Σx	$\bar{x}$		No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6189348	73778	82.8	[illegible]	1							
Dry Bulb	1240895	32635	36.5	7.3[illegible]	93		26.0					93
Wet Bulb	1114456	30896	34.7	6.96[illegible]	891		36.2					93
Dew Point	947818	28244	31.7	7.681	891		50.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7123 | SEMBACH AB DL | 64-67,76-81 | DEC
STATION | STATION NAME | YEARS | MONTH

 1500-1700 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
5 / 55				.1														1	1		
4 / 53				.7														6	6		
2 / 51	.2	.1	.8	.7														16	16	2	2
1 / 49		.9	.9	.3														19	19	10	
1 / 47	.1	2.2	1.5	.1														35	35	33	7
4 / 45	.3	5.5	1.6	.3	.1													70	70	54	42
4 / 43	.3	2.9	1.5	.3														45	45	40	39
2 / 41		3.9	2.2															55	55	51	37
4 / 39	.8	4.9	1.3	.2														65	65	47	55
3 / 37	.1	5.8	1.5	.4														79	79	87	36
/ 35	2.8	7.8	3.5	.1														127	127	97	89
3 / 33	2.2	9.7	2.1	.2														128	128	122	105
2 / 31	1.3	4.5	1.9	.1														67	67	126	78
/ 29	.9	4.8	.3															54	54	69	107
1 / 27	.7	5.7	1.1															67	67	59	90
/ 25	.2	1.3	.1															15	15	38	60
0 / 23	.4	1.0																13	13	22	44
2 / 21	1.5	1.1																23	23	23	30
/ 19	.6	.3																8	8	15	26
/ 17																				1	22
1 / 15																					19
/ 13																					5
TOTAL	13.2	62.7	20.3	3.7	.1														893		893
																		893		893	

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.	6310251	74567	83.5	9.691	893							
Dry Bulb	1226831	32479	36.4	7.146	893		25.7					93
Wet Bulb	1108978	30880	34.6	6.792	893		36.8					93
Dew Point	948444	28316	31.7	7.530	893		50.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — STATION NAME
64-67,76-81 — YEARS
DEC — MONTH

1800-2000 — 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
[illegible] / 53				.3														2	2		
2 / 51			1.1		.1													9	9		
5 / 49		.8	.1	.3														9	9	3	
[illegible] / 47		1.9	.3															16	16	16	4
[illegible] / 45	.5	4.9	1.6	.4														55	55	30	29
[illegible] / 43	.1	3.4	1.0															33	33	37	22
2 / 41	.7	5.7	1.0															54	54	44	35
[illegible] / 39	.5	5.2	.4	.3														47	47	50	40
[illegible] / 37	1.9	7.5	1.2															78	78	65	48
[illegible] / 35	3.1	6.0	1.9															81	81	83	87
[illegible] / 33	1.2	7.8	1.9	.4														83	83	71	66
2 / 31	1.6	8.3	1.6															85	85	98	56
[illegible] / 29	.8	5.4	.4															49	49	80	62
[illegible] / 27	1.6	3.8																40	40	44	104
[illegible] / 25	1.[illegible]	2.0	.1															23	23	28	48
2 / 23	.8	2.7																26	26	22	35
2 / 21	2.[illegible]	1.9																29	29	37	21
[illegible] / 19	.5	1.1																12	12	19	22
[illegible] / 17	.3	.1																3	3	5	26
1 / 15	.1																	1	1	1	21
[illegible] / 13																					9
TOTAL	17.[illegible]	68.6	12.7	1.6	.1														735		735
																		735		735	

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.	5458688	63044	85.8	8.347	735							
Dry Bulb	941818	25748	35.0	7.367	735		33.9					93
Wet Bulb	866292	24698	33.6	7.039	735		42.3					93
Dew Point	754561	22867	31.1	7.666	735		51.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — STATION / STATION NAME
64-67,76-81 — YEARS
DEC — MONTH

PAGE 1 — 2100-2300 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
[illegible] / 51			1.[illegible]		.2													7	7		
5[illegible] / 49		.5	1.[illegible]	.3														11	11	3	
[illegible] / 47		2.1	1.[illegible]															19	19	14	
[illegible] / 45		2.8	1.[illegible]	.2														24	24	18	17
4[illegible] / 43		3.3	1.8															31	31	26	21
[illegible] / 41	.5	5.9	.8															44	44	26	19
[illegible] / 39	.8	4.6	.2															34	34	28	35
3[illegible] / 37	3.3	7.4	1.[illegible]															71	71	54	56
[illegible] / 35	3.[illegible]	7.2	1.[illegible]															68	68	65	67
3[illegible] / 33	1.6	7.4	2.1															68	68	66	53
[illegible] / 31	.7	11.9	.5															79	79	81	52
[illegible] / 29	.7	4.9	.8															39	39	65	65
[illegible] / 27	2.[illegible]	3.8	.2															36	36	39	73
[illegible] / 25	1.3	.8																13	13	25	40
[illegible] / 23	1.[illegible]	3.6																28	28	17	30
2[illegible] / 21	1.[illegible]	1.5																15	15	27	18
[illegible] / 19	1.[illegible]	1.0																12	12	12	18
[illegible] / 17	.5	.3																5	5	8	22
1[illegible] / 15	.2	.2																2	2	2	12
[illegible] / 13	.2																	1	1	1	7
1[illegible] / 11																					2
TOTAL	17.6	69.4	12.4	.5	.2														607		607
																		607		607	

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.	4556052	52372	86.3	7.855	607							
Dry Bulb	765324	21090	34.7	7.296	607		35.2					93
Wet Bulb	703745	20241	33.3	6.893	607		42.4					93
Dew Point	615936	18810	31.0	7.384	607		51.9					93

USAFETAC FORM AWS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1 [illegible]2 STATION | SEMBACH AB DL STATION NAME | 64-67,76-81 YEARS | DEC MONTH

 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
/ 57				.0														1	1		
5 / 55				.1														4	4		
4 / 53				.4														20	20		
2 / 51	.1	.1	.6	.2	.1													53	53	4	3
5 / 49	.2	1.1	.8	.3														122	122	41	1
/ 47	.3	1.9	.6	.2														154	154	149	39
4 / 45	.4	4.0	1.4	.1	.0													336	337	229	192
4 / 43	.3	2.9	1.4	.1	.2													262	262	232	208
2 / 41	.5	4.7	1.5	.1														381	381	305	212
4 / 39	.5	5.8	.5	.1														391	391	371	268
3 / 37	1.4	6.4	1.2	.1														513	513	531	343
/ 35	1.8	7.7	2.2	.0														664	664	542	560
3 / 33	1.8	8.7	1.8	.1														695	695	659	586
2 / 31	.9	8.5	.9	.0														580	580	779	476
/ 29	1.1	5.5	.3															388	388	543	601
2 / 27	1.5	4.6	.5															374	375	365	674
/ 25	.8	2.5	.2															187	191	256	376
2 / 23	.6	2.3																167	167	194	274
2 / 21	1.2	1.4																142	142	182	206
/ 19	1.0	.7																96	96	125	165
/ 17	.4	.5																49	49	69	171
1 / 15	.1	.2																20	20	18	139
/ 13	.1	.1																6	6	11	61
1 / 11	.1	.1																11	11	11	18
/ 9	.0																	2	2	2	12
/ 7																					12
/ 5																					1
TOTAL	14.6	69.7	13.8	1.8	.1														5624		5616
																		5618		5618	

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.	41172821	478589	85.2	8.466	5618							
Dry Bulb	7203444	196786	35.0	7.518	5624		268.2					744
Wet Bulb	6581958	188074	33.5	7.133	5618		338.4					744
Dew Point	5699085	173599	30.9	7.720	5618		421.9					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT[illegible] WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible]7120 STATION | SEMBACH AB DL STATION NAME | 64-68,76-81 YEARS | ALL MONTH

ALL HOURS (L. S. T.)

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					
[illegible]/ 93											.0	.0	.0		.0				5	5		
/ 91										.0		.0	.0	.0					17	17		
/ 89									.0	.0	.0	.0	.0	.0					52	52		
8/ 87									.0	.0	.0	.0	.0	.0					73	73		
6/ 85							.0	.0	.0	.0	.0	.0	.0						91	91		
[illegible]/ 83						.0	.0	.0	.1	.1	.0	.0	.0	.0					154	154		
/ 81					.0	.0	.1	.1	.2	.1	.0	.0	.0						372	372		
/ 79				.0	.0	.1	.1	.1	.1	.1	.0	.0	.0						365	365		
7 / 77				.0	.0	.1	.2	.2	.1	.1	.0	.0							528	528		
6/ 75		.0		.0	.1	.2	.2	.3	.1	.0	.0								724	724	2	
4/ 73		.0	.0	.1	.1	.2	.4	.2	.1	.0	.0	.0							865	865	28	2
[illegible]/ 71	.0		.0	.1	.3	.3	.4	.2	.1	.0	.0								1072	1072	49	5
[illegible] / 69		.0	.1	.2	.4	.6	.3	.2	.1	.0	.0								1359	1359	190	14
[illegible] / 67	.0	.0	.2	.3	.6	.5	.3	.1	.1	.0									1441	1441	566	36
6/ 65	.0	.1	.3	.6	.6	.5	.3	.1	.1	.0									1877	1877	977	106
4/ 63	.0	.5	.6	1.2	1.1	.9	.2	.2	.1	.0									3390	3390	1569	504
[illegible] / 61	.1	.6	.8	1.0	1.0	.4	.2	.1	.0										3016	3016	2425	892
[illegible] / 59	.1	1.0	1.3	1.0	.7	.3	.2	.1	.0										3324	3325	2852	1528
[illegible] / 57	.2	1.2	1.3	1.2	.5	.3	.1	.0	.0										3487	3487	3624	2082
5[illegible] / 55	.2	1.6	1.3	1.1	.5	.3	.1	.0											3552	3552	4207	2743
4/ 53	.2	1.8	1.4	1.0	.5	.1	.0	.0											3625	3625	4527	3681
2/ 51	.3	1.8	1.8	.7	.5	.1	.0	.0											3698	3698	4426	4341
5[illegible] / 49	.2	1.7	1.6	.8	.2	.1	.0	.0											3300	3300	4274	4279
[illegible] / 47	.2	2.2	1.1	.7	.3	.1	.0	.0											3245	3245	4368	4154
4[illegible] / 45	.3	3.0	1.6	.9	.4	.1	.0												4433	4434	4281	5877
[illegible]4/ 43	.2	2.1	1.3	.6	.2	.0													3173	3173	3548	3987
2/ 41	.2	2.5	1.2	.5	.1	.0	.0												3227	3227	3510	3869
[illegible] / 39	.3	2.4	1.1	.3	.1	.0													2979	2979	3494	3721
3[illegible] / 37	.5	2.2	1.0	.3	.0	.0													2855	2855	3710	3511
[illegible] / 35	.5	2.7	1.0	.2	.0	.0													3133	3133	3361	3811
3[illegible] / 33	.6	2.4	.9	.2	.0														2903	2903	3475	3559
2/ 31	.4	2.4	.6	.1	.0														2488	2488	3421	3383
[illegible] / 29	.3	1.8	.4	.0															1771	1771	2457	3209
[illegible] / 27	.5	1.5	.3	.0															1632	1634	1784	3525

Element (X)	$\Sigma_{X'}$	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 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] SEMBACH AB DL — 64-68,76-81 — ALL

STATION — STATION NAME — YEARS — MONTH

 — 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
/ 25	.2	.8	.1	.0														762	766	1253	2078
/ 23	.1	.6	.0															536	536	748	1601
2/ 21	.2	.4	.0															444	444	623	1167
/ 19	.2	.2	.0															297	297	389	917
/ 17	.1	.2																178	178	265	714
/ 15	.1	.1	.0															121	122	127	553
/ 13	.	.1																96	96	100	344
1 / 11	.	.1																77	77	100	195
/ 9	.1	.0																57	57	60	196
/ 7	.	.0																18	18	18	117
/ 5	.	.0																15	15	19	66
/ 3	.	.0																10	10	9	16
/ 1	.																	2	2	3	24
/ -1	.																	4	4	4	9
- / -3	.																	1	1	1	3
- / -5																					3
- / -7																					1
- / -9																					1
TOTAL	.3	38.0	21.7	13.1	8.3	5.5	3.3	1.9	1.0	.5	.2	.1	.1	.0	.0			70844	70853	70844	70844

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.	416650218	5314732	75.0	15.912	70844							
Dry Bulb	184284522	3479690	49.1	13.748	70853	.7	1129.4	825.7	375.9	103.0	.6	8760
Wet Bulb	152731509	3187655	45.0	11.459	70844	.7	1502.2	95.9	3.4			8760
Dew Point	127164728	2888960	40.8	11.492	70844	2.4	2362.1	6.5	.2			8760

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7127 SEMBACH AB DL 64-68,76-81
STATION STATION NAME YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	3. ,	34.9	37.6	43.3	49.5	55.7	57.1	56.3	52.4	47.0	37.1	34.3	45.7
	S D	9.256	8.226	6.934	6.815	6.866	5.584	5.814	5.702	5.696	7.444	7.374	7.013	11.393
	TOTAL OBS	372	351	406	435	475	469	502	478	441	386	373	373	5061
03-05	MEAN	30.5	33.9	37.3	40.7	46.9	53.2	54.8	54.4	50.8	45.9	37.3	33.8	44.1
	S D	9.119	8.141	7.188	6.517	6.347	5.303	5.399	5.499	5.784	7.365	7.535	7.403	10.808
	TOTAL OBS	479	447	509	545	579	573	627	605	593	502	478	492	6429
06-08	MEAN	30.2	33.1	37.2	40.7	49.1	56.1	57.8	55.7	51.2	45.5	37.7	33.4	44.7
	S D	8.840	7.549	7.814	6.514	6.563	6.100	5.994	5.512	5.758	7.103	7.720	7.893	11.729
	TOTAL OBS	698	724	806	809	830	821	898	913	867	753	706	739	9564
09-11	MEAN	30.9	34.9	41.2	47.2	55.8	62.5	64.7	63.0	57.9	49.5	39.2	34.4	49.0
	S D	8.610	7.759	7.551	7.650	7.653	7.760	7.760	6.195	5.832	7.353	7.452	7.776	13.851
	TOTAL OBS	816	832	926	893	911	894	987	1005	969	903	855	892	10883
12-14	MEAN	33.5	38.4	45.6	51.7	59.8	66.1	68.7	67.4	62.9	54.0	42.0	36.5	52.8
	S D	7.872	7.654	7.550	8.518	8.645	8.759	8.802	6.939	6.469	7.692	7.380	7.354	14.520
	TOTAL OBS	818	833	930	889	914	896	991	1008	972	906	859	893	10909
15-17	MEAN	33.7	39.1	46.7	52.6	61.0	67.3	69.9	68.4	63.5	54.3	42.0	36.4	53.5
	S D	7.552	7.597	7.549	8.821	8.898	8.841	8.977	7.088	6.680	7.509	7.191	7.146	14.823
	TOTAL OBS	819	830	929	883	902	887	984	989	951	906	855	893	10828
18-20	MEAN	32.2	36.7	43.3	49.7	58.4	64.9	67.2	65.1	59.2	50.4	40.0	35.0	51.0
	S D	7.772	6.836	7.284	7.933	8.353	8.278	8.531	6.706	5.859	6.873	7.156	7.367	14.207
	TOTAL OBS	696	719	803	792	810	801	886	897	834	759	701	735	9433
21-23	MEAN	31.5	35.4	40.2	45.4	53.1	59.5	61.3	59.6	55.0	48.2	38.7	34.7	47.4
	S D.	8.181	7.064	6.896	6.777	7.157	6.745	7.148	5.612	5.304	7.101	7.321	7.296	12.323
	TOTAL OBS	585	592	668	680	696	690	704	660	640	637	587	607	7746
ALL HOURS	MEAN	31.9	36.1	41.8	47.0	54.9	61.4	63.6	62.1	57.4	50.0	39.6	35.0	49.1
	S D	8.409	7.838	8.199	8.788	9.162	8.914	9.268	8.082	7.650	8.004	7.602	7.518	13.748
	TOTAL OBS	5283	5328	5977	5926	6117	6031	6579	6555	6267	5752	5414	5624	70853

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

[illegible]120 SEMBACH AB DL 64-68,76-81
STATION STATION NAME YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	29.9	32.9	35.0	40.4	46.5	52.9	53.5	54.0	50.4	45.2	35.8	32.9	43.3
	S.D	8.834	7.621	6.130	6.333	6.090	5.065	5.225	5.089	5.208	6.969	7.012	6.629	10.706
	TOTAL OBS	372.	351.	406.	435.	475.	469.	502.	478.	441.	386.	373.	373.	5061.
03-05	MEAN	29.2	32.2	35.0	38.5	44.6	51.1	52.0	52.4	49.0	44.1	35.9	32.4	42.1
	S.D	8.775	7.633	6.639	6.406	6.021	5.088	5.140	5.207	5.478	6.897	7.228	6.999	10.386
	TOTAL OBS	478.	446.	509.	545.	579.	573.	627.	605.	593.	502.	478.	491.	6426.
06-08	MEAN	29.0	31.6	35.0	38.3	46.0	52.8	54.2	53.1	49.2	43.7	36.1	32.2	42.4
	S.D	8.468	7.176	7.304	6.384	6.016	5.301	5.168	5.153	5.474	6.592	7.394	7.550	10.958
	TOTAL OBS	698.	724.	806.	809.	830.	821.	898.	913.	867.	753.	706.	739.	9564.
09-11	MEAN	29.5	32.9	37.9	42.5	49.6	56.1	57.8	57.3	53.7	46.6	37.3	33.1	45.0
	S.D	8.147	7.261	6.785	6.329	5.969	5.601	5.420	4.707	4.922	6.439	7.061	7.465	11.772
	TOTAL OBS	816.	832.	926.	893.	911.	894.	987.	1005.	969.	903.	855.	889.	10880.
12-14	MEAN	31.5	35.3	40.6	44.7	51.5	57.7	59.3	59.0	56.0	49.3	39.2	34.7	47.1
	S.D.	7.340	6.986	6.658	6.381	6.163	5.712	5.595	4.747	5.146	6.280	6.796	6.960	11.588
	TOTAL OBS	818.	833.	930.	889.	914.	896.	991.	1007.	972.	906.	859.	891.	10906.
15-17	MEAN	31.6	35.8	41.1	45.1	51.9	58.1	59.8	59.3	56.3	49.5	39.2	34.6	47.3
	S.D	7.127	6.925	6.587	6.214	6.176	5.652	5.365	4.697	5.099	6.258	6.668	6.792	11.608
	TOTAL OBS	819.	830.	929.	883.	902.	887.	984.	989.	951.	906.	855.	893.	10828.
18-20	MEAN	30.5	34.1	38.9	43.6	50.7	57.1	58.7	57.9	54.4	47.2	37.9	33.6	46.1
	S.D.	7.358	6.403	6.540	6.110	6.032	5.545	5.337	4.742	4.914	6.279	6.717	7.039	11.597
	TOTAL OBS	696.	719.	803.	792.	810.	801.	886.	897.	834.	759.	701.	735.	9433.
21-23	MEAN	30.0	33.2	36.9	41.2	48.2	54.7	55.9	55.4	52.1	45.8	37.0	33.3	44.1
	S.D.	7.773	6.568	6.452	5.960	5.884	5.214	5.245	4.751	4.869	6.566	6.973	6.893	10.959
	TOTAL OBS	585.	592.	668.	680.	696.	690.	704.	660.	640.	637.	587.	607.	7746.
ALL HOURS	MEAN	30.3	33.7	38.0	42.1	49.0	55.4	56.9	56.5	53.1	46.8	37.6	33.5	45.0
	S.D	7.944	7.169	7.073	6.733	6.540	5.927	5.943	5.465	5.809	6.800	7.074	7.133	11.459
	TOTAL OBS	5282	5327	5977	5926	6117	6031	6579	6558	6267	5752	5418	5618	70888

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7120 SEMBACH AB DL 64-68,76-81
STATION STATION NAME YEARS

HRS (L.S.T.)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	27.1	29.3	31.0	36.7	43.5	50.7	50.5	52.1	48.7	43.4	33.7	30.5	40.7
0-02	S.D	9.556	8.309	6.329	7.448	6.679	5.278	6.104	5.377	5.475	7.193	7.446	7.076	11.308
	TOTAL OBS	372	351	406	435	475	469	502	478	441	386	373	373	5061
	MEAN	26.5	28.9	31.5	35.6	42.1	49.3	49.6	50.7	47.5	42.3	33.6	29.9	39.8
3-05	S.D	9.548	8.482	7.124	7.584	6.835	5.587	5.924	5.595	5.783	7.084	7.781	7.516	11.117
	TOTAL OBS	478	446	509	545	579	573	627	605	593	502	478	491	6426
	MEAN	26.2	28.6	31.5	35.0	42.7	50.1	51.3	50.9	47.5	41.6	33.7	29.9	39.8
6-08	S.D	9.216	8.129	8.034	7.617	7.009	5.740	5.826	5.715	5.871	6.827	8.049	8.086	11.499
	TOTAL OBS	698	724	806	809	830	821	898	913	867	753	706	739	9564
	MEAN	26.5	29.4	33.4	36.8	43.7	51.3	52.6	53.0	50.2	43.8	34.6	30.6	41.0
9-11	S.D	8.907	8.314	7.751	7.440	6.986	5.811	6.011	5.446	5.631	6.589	7.666	8.109	11.729
	TOTAL OBS	816	832	926	893	911	894	987	1005	969	903	855	889	10880
	MEAN	27.9	30.5	34.1	36.9	43.7	51.4	52.5	52.8	50.5	44.9	35.5	31.7	41.5
12-14	S.D	8.181	8.273	8.422	7.674	7.299	5.903	6.266	5.736	6.277	6.717	7.470	7.681	11.452
	TOTAL OBS	818	833	930	889	914	896	991	1007	972	906	859	891	10906
	MEAN	27.8	30.6	33.9	36.6	43.4	51.3	52.5	52.6	50.5	44.8	35.4	31.7	41.3
15-17	S.D	8.098	8.394	8.675	7.702	7.562	6.001	6.082	5.957	6.336	6.852	7.534	7.530	11.478
	TOTAL OBS	819	830	929	883	902	867	984	989	951	906	855	893	10828
	MEAN	27.3	29.9	32.8	36.3	43.4	51.1	52.5	52.5	50.5	44.1	35.0	31.1	41.2
18-20	S.D.	8.103	7.665	8.328	7.831	7.369	5.866	5.983	5.930	5.901	6.875	7.281	7.666	11.571
	TOTAL OBS	696	719	803	792	810	801	886	897	834	759	701	735	9433
	MEAN	27.1	29.5	32.1	36.0	43.3	50.9	51.6	52.1	49.6	43.4	34.5	31.0	40.5
21-23	S.D.	8.549	7.565	7.809	7.557	7.105	5.694	5.936	5.750	5.500	6.978	7.562	7.384	11.395
	TOTAL OBS	585	592	668	680	696	690	704	660	640	637	587	607	7746
	MEAN	27.1	29.7	32.8	36.3	43.3	50.8	51.8	52.2	49.5	43.7	34.7	30.9	40.8
ALL HOURS	S.D	8.701	8.168	8.061	7.641	7.166	5.810	6.097	5.763	6.028	6.930	7.630	7.720	11.492
	TOTAL OBS	5282	5327	5977	5926	6117	6031	6579	6559	6267	5752	5419	5618	70844

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,77-81 (PERIOD) JAN (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%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	99.5	95.4	74.7	21.2	84.7	372
	03-05	100.0	100.0	100.0	100.0	99.6	98.3	93.9	77.8	24.7	85.0	478
	06-08	100.0	100.0	100.0	100.0	99.4	97.9	93.4	76.9	26.5	85.0	698
	09-11	100.0	100.0	100.0	100.0	99.1	97.4	88.6	70.8	25.7	83.8	816
	12-14	100.0	100.0	100.0	100.0	99.0	95.8	79.7	54.6	18.3	80.3	818
	15-17	100.0	100.0	100.0	99.9	99.1	96.1	76.1	50.9	15.8	79.4	819
	18-20	100.0	100.0	100.0	100.0	100.0	98.3	87.5	63.8	22.6	82.4	696
	21-23	100.0	100.0	100.0	100.0	100.0	98.5	92.0	67.7	25.5	83.9	585
TOTALS		100.0	100.0	100.0	100.0	99.5	97.7	88.3	66.8	22.5	83.1	5282

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

47120 — STATION
SEMBACH AB OL — STATION NAME
65-68,76-81 — PERIOD
FEB — 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%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	94.0	66.0	5[illegible].4	18.2	8[illegible].4	351
	03-05	100.0	100.0	100.0	100.0	100.0	96.6	87.2	6[illegible].3	20.9	81.9	446
	06-08	100.0	100.0	100.0	100.0	99.9	97.7	87.6	67.8	29.4	83.9	724
	09-11	100.0	100.0	100.0	100.0	98.9	94.0	81.1	57.2	22.5	80.9	832
	12-14	100.0	100.0	100.0	99.5	95.8	82.2	58.5	3[illegible].1	12.6	74.1	833
	15-17	100.0	100.0	100.0	98.9	93.5	77.8	55.3	33.3	12.3	72.6	831
	18-20	100.0	100.0	100.0	99.9	97.5	90.0	69.7	44.9	17.0	77.2	717
	21-23	100.0	100.0	100.0	99.7	98.8	92.6	78.9	55.6	18.1	79.7	59[illegible]
TOTALS		100.0	100.0	100.0	99.8	98.1	90.6	75.5	51.7	18.9	78.8	5327

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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RELATIVE HUMIDITY

7120 SEMBACH AB DL 65-68,76-81 MAR
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%		
MAR	00-02	100.0	100.0	100.0	100.0	99.3	94.1	73.4	41.6	12.8	77.7	406
	03-05	100.0	100.0	100.0	100.0	99.6	95.9	80.4	50.9	16.3	80.0	509
	06-08	100.0	100.0	100.0	99.8	99.1	94.5	81.1	53.7	20.2	80.6	506
	09-11	100.0	100.0	99.9	99.5	95.8	84.0	61.3	36.8	12.4	74.6	926
	12-14	100.0	100.0	99.1	94.6	83.3	63.0	38.0	18.3	4.5	65.7	933
	15-17	100.0	99.9	98.2	91.8	79.1	52.4	32.5	13.0	3.6	62.8	929
	18-20	100.0	100.0	99.5	96.0	87.4	71.5	42.0	19.4	6.7	68.0	803
	21-23	100.0	100.0	99.7	99.1	96.1	85.9	57.5	30.4	9.7	73.7	668
TOTALS		100.0	100.0	99.6	97.6	92.5	80.2	58.3	32.8	10.8	72.9	5977

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10120 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (PERIOD) APR (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%		
APR	00-02	100.0	100.0	100.0	100.0	97.7	88.3	69.7	48.0	21.1	78.1	435
	03-05	100.0	100.0	100.0	100.0	99.3	96.3	84.0	59.8	29.5	82.4	545
	06-08	100.0	100.0	100.0	100.0	99.0	93.6	78.0	56.9	23.0	80.7	609
	09-11	100.0	100.0	99.9	97.2	86.1	67.7	45.4	26.3	6.5	68.8	893
	12-14	100.0	100.0	98.0	86.1	66.8	44.3	25.4	13.7	3.7	59.4	889
	15-17	100.0	100.0	95.2	79.0	59.0	41.7	26.2	14.2	3.4	57.5	883
	18-20	100.0	100.0	99.0	88.0	68.7	50.9	34.5	18.6	5.6	62.3	792
	21-23	100.0	100.0	100.0	98.5	87.8	70.1	52.4	31.3	10.7	70.9	680
TOTALS		100.0	100.0	99.0	93.6	83.1	69.1	52.0	33.6	12.9	70.0	5926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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RELATIVE HUMIDITY

1 7123 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (PERIOD) MAY (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%		
MAY	00-02	100.0	100.0	100.0	100.0	98.3	90.9	78.7	60.0	23.2	80.8	475
	03-05	100.0	100.0	100.0	99.8	99.1	95.7	86.9	66.8	34.2	83.8	579
	06-08	100.0	100.0	99.8	99.3	97.1	91.4	77.6	51.7	22.0	79.5	8[illegible]0
	09-11	100.0	100.0	99.5	95.1	83.3	62.3	39.1	18.1	4.3	65.7	911
	12-14	100.0	100.0	97.7	85.3	63.9	42.0	21.7	8.9	2.5	57.6	914
	15-17	100.0	100.0	95.0	76.9	56.9	34.8	18.3	8.2	2.5	54.8	902
	18-20	100.0	100.0	98.3	86.5	68.9	47.0	27.7	13.6	5.2	60.0	61[illegible]
	21-23	100.0	100.0	99.7	97.1	88.1	73.7	54.7	31.5	10.5	71.2	696
TOTALS		100.0	100.0	98.8	92.5	82.0	67.2	50.6	32.4	13.1	69.2	6117

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USAFETAC CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

10712 (STATION) SEMBACH AB DL (STATION NAME) 65-68,76-81 (PERIOD) JUN (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%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	98.5	91.5	62.9	24.7	83.5	469
	03-05	100.0	100.0	100.0	100.0	99.5	98.6	94.4	78.2	36.5	86.6	573
	06-08	100.0	100.0	100.0	99.9	98.5	94.5	84.7	54.1	18.9	80.9	821
	09-11	100.0	100.0	99.8	97.8	90.7	69.6	44.9	17.7	4.1	68.1	894
	12-14	100.0	100.0	97.9	93.2	76.3	47.8	25.9	11.0	2.6	61.0	896
	15-17	100.0	100.0	97.2	89.0	69.4	41.6	20.5	7.3	1.9	58.4	887
	18-20	100.0	100.0	98.9	93.4	81.3	53.7	28.7	12.0	4.1	62.8	801
	21-23	100.0	100.0	99.3	98.3	94.5	86.2	68.3	32.0	10.3	74.5	693
TOTALS		100.0	100.0	99.1	96.5	88.8	73.8	57.4	34.3	12.9	72.0	6031

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

2

[redacted] SEMBACH AB DL | 64-68,76-81 | JUL
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%		
JUL	00-02	100.0	100.0	100.0	99.8	98.6	93.8	76.3	42.3	20.1	79.3	582
	03-05	100.0	100.0	100.0	100.0	99.8	97.1	87.4	59.3	28.7	83.2	627
	06-08	100.0	100.0	100.0	99.2	98.4	92.8	78.6	47.8	21.9	79.8	896
	09-11	100.0	100.0	99.2	95.7	86.2	64.1	39.6	16.4	5.9	66.6	987
	12-14	100.0	100.0	96.7	88.0	67.5	39.6	22.2	10.7	4.0	58.6	991
	15-17	100.0	100.0	95.2	85.1	57.8	34.3	20.0	9.8	4.0	56.3	984
	18-20	100.0	100.0	97.3	90.7	73.0	47.5	29.3	14.6	6.2	61.5	886
	21-23	100.0	100.0	99.1	97.3	91.9	76.1	54.4	28.7	13.6	72.1	784
TOTALS		100.0	100.0	98.4	94.5	84.2	68.2	51.0	29.0	13.1	69.7	6579

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

12C — STATION
SEMBACH AB DL — STATION NAME
64-68,76-81 — PERIOD
AUG — 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	99.4	99.4	89.7	73.6	42.3	86.3	[illegible]
	03-05	100.0	100.0	100.0	100.0	99.7	98.8	92.9	79.2	47.8	87.7	625
	06-08	100.0	100.0	100.0	100.0	99.6	96.4	88.0	66.3	36.1	84.4	913
	09-11	100.0	100.0	100.0	98.7	94.1	75.4	50.9	25.8	9.3	71.0	1005
	12-14	100.0	99.9	99.0	94.4	76.6	44.8	23.5	11.1	3.5	61.3	1007
	15-17	100.0	99.8	98.2	90.4	69.5	39.5	20.8	11.1	2.9	59.3	989
	18-20	100.0	100.0	99.0	95.4	83.4	57.6	37.5	18.6	5.9	65.5	897
	21-23	100.0	100.0	100.0	98.8	96.1	85.8	69.8	45.9	19.8	77.5	661
TOTALS		100.0	100.0	99.5	97.2	89.8	74.7	59.1	41.5	21.0	74.1	6554

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

2

1 7120 (STATION) SEMBACH AB DL (STATION NAME) 64-68,76-81 (PERIOD) SEP (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%		
SEP	00-02	100.0	100.0	100.0	100.0	99.8	97.7	94.1	81.4	44.0	87.4	441
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	96.0	85.7	50.4	88.6	593
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	95.4	78.9	42.3	87.2	867
	09-11	100.0	100.0	100.0	99.5	97.7	89.3	71.0	39.1	12.6	76.6	969
	12-14	100.0	100.0	100.0	97.8	86.8	61.4	35.7	12.6	3.2	65.2	972
	15-17	100.0	100.0	100.0	95.4	82.6	57.1	33.8	15.1	4.0	64.2	951
	18-20	100.0	100.0	100.0	98.7	95.0	84.8	64.1	32.9	9.0	74.1	834
	21-23	100.0	100.0	100.0	99.8	98.8	95.9	88.0	58.9	26.3	82.6	643
TOTALS		100.0	100.0	100.0	98.9	95.1	85.6	72.3	50.6	24.0	78.2	6267

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

/120 SEMBACH AB DL 64-67,76-81 OCT
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%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.5	96.9	76.5	40.2	87.3	386
	03-05	100.0	100.0	100.0	100.0	100.0	99.4	96.2	79.1	40.2	87.3	502
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	95.5	75.3	35.3	86.4	753
	09-11	100.0	100.0	100.0	100.0	100.0	95.0	83.8	53.7	19.8	81.0	903
	12-14	100.0	100.0	100.0	100.0	96.6	80.7	58.3	25.7	6.5	72.3	906
	15-17	100.0	100.0	100.0	99.8	96.6	77.3	53.5	21.3	5.8	71.1	906
	18-20	100.0	100.0	100.0	99.7	99.2	94.9	80.9	48.4	11.7	79.3	759
	21-23	100.0	100.0	100.0	100.0	100.0	98.6	90.1	67.2	24.0	83.7	637
TOTALS		100.0	100.0	100.0	99.9	99.1	93.1	81.9	56.2	22.9	81.1	5752

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

RELATIVE HUMIDITY

12[illegible]	SEMBACH AB OL	64-67,76-81	NOV
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%		
NOV	00-02	100.0	100.0	100.0	100.0	100.0	100.0	97.3	8[illegible].3	34.6	87.6	373
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	96.0	8[illegible].1	32.6	86.7	479
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	92.4	7[illegible].8	29.7	85.6	706
	09-11	100.0	100.0	100.0	100.0	100.0	99.1	89.6	69.7	26.9	84.[illegible]	655
	12-14	100.0	100.0	100.0	99.9	99.7	93.0	75.3	5[illegible].1	14.4	78.5	659
	15-17	100.0	100.0	100.0	99.9	98.7	90.6	75.2	4[illegible].4	14.2	7[illegible].2	655
	18-20	100.0	100.0	100.0	100.0	99.9	97.3	87.9	66.[illegible]	21.3	82.7	701
	21-23	100.0	100.0	100.0	100.0	100.0	98.3	92.3	7[illegible].8	27.1	84.[illegible]	587
TOTALS		100.0	100.0	100.0	100.0	99.7	97.1	88.3	70.4	25.1	83.5	[illegible]414

USAPETAC FORM AUG 84 0-87-5 (OL A)

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

RELATIVE HUMIDITY

...120 | ...MHACH AB DE | 64-67,76-81 | ...C
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%		
...C	...3-02	100.0	100.0	100.0	100.0	100.0	100.0	98.9	8...9	22.3	85.7	...73
	...5-05	100.0	100.0	100.0	100.0	100.0	99.8	96.9	8...1	25.9	85.4	491
	6-08	100.0	100.0	100.0	100.0	100.0	100.0	96.1	8...7	35.6	86.9	73...
	...-11	100.0	100.0	100.0	100.0	100.0	99.4	94.9	7...2	32.3	86.1	6...
	12-14	100.0	100.0	100.0	100.0	99.9	98.7	66.6	6...7	22.6	82.8	691
	15-17	100.0	100.0	100.0	100.0	99.8	98.7	89.2	64.9	24.5	83.5	691
	18-20	100.0	100.0	100.0	100.0	100.0	99.5	94.4	77.0	28.8	85.8	733
	21-23	100.0	100.0	100.0	100.0	100.0	99.5	96.5	8...1	32.1	86.3	6...
TOTALS		100.0	100.0	100.0	100.0	100.0	99.5	94.2	7...7	28.0	85.4	561...

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

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
1...	...MACH AB OL	64-68,76-81	ALL

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	99.5	97.7	88.3	66.8	22.5	[illegible]	[illegible]
[illegible]		100.0	100.0	100.0	99.8	98.1	90.6	75.5	51.7	18.9	[illegible]	[illegible]
[illegible]		100.0	100.0	99.6	97.6	92.5	80.2	58.3	32.8	10.8	[illegible]	[illegible]
[illegible]		100.0	100.0	99.0	93.6	83.1	69.1	52.0	33.6	12.9	[illegible]	[illegible]
MAY		100.0	100.0	98.8	92.5	82.0	67.2	50.6	32.4	13.1	69.2	6117
[illegible]		100.0	100.0	99.1	96.5	88.8	73.8	57.4	34.3	12.9	[illegible]	[illegible]
JUL		100.0	100.0	98.4	94.5	84.2	68.2	51.0	29.3	13.1	69.7	6574
[illegible]		100.0	100.0	99.5	97.2	89.8	74.7	59.1	41.5	21.0	74.1	6554
[illegible]		100.0	100.0	100.0	98.9	95.1	85.6	72.3	50.6	24.0	78.2	6267
OCT		100.0	100.0	100.0	99.9	99.1	93.1	81.9	56.2	22.9	81.1	5753
NOV		100.0	100.0	100.0	100.0	99.7	97.1	88.3	70.4	25.1	83.5	5414
DEC		100.0	100.0	100.0	100.0	100.0	99.5	94.2	76.7	28.0	85.4	5613
TOTALS		100.0	100.0	99.5	97.5	92.7	83.1	69.1	46.0	18.8	76.5	71844

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

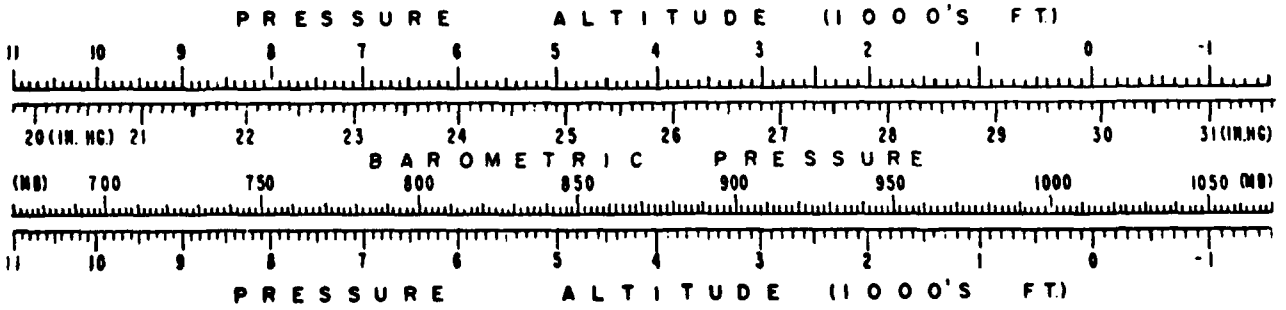
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided 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. DATA NOT AVAILABLE

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.



F

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

107120 SEMBACH AB DL 64-68,76-81
STATION STATION NAME YEARS

HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	MEAN	28.834	28.818	28.883	28.809	28.866	28.923	28.922	28.880	28.893	28.865	28.828	28.756	28.860
	S D	.280	.306	.279	.240	.184	.137	.139	.154	.194	.265	.304	.318	.239
	TOTAL OBS	125	117	135	145	157	156	169	158	147	129	125	124	1687
4	MEAN	28.876	28.735	28.874	28.828	28.844	28.908	28.898	28.881	28.866	28.858	28.777	28.727	28.849
	S D	.270	.307	.270	.233	.192	.133	.159	.150	.195	.216	.314	.339	.234
	TOTAL OBS	94	89	107	144	154	149	139	150	149	100	94	94	1463
7	MEAN	28.822	28.822	28.842	28.833	28.853	28.920	28.905	28.904	28.925	28.858	28.882	28.745	28.862
	S D	.319	.315	.287	.220	.190	.145	.145	.156	.189	.259	.307	.366	.252
	TOTAL OBS	231	241	266	267	275	273	297	299	286	251	235	247	3168
10	MEAN	28.865	28.814	28.847	28.843	28.860	28.924	28.916	28.918	28.941	28.870	28.912	28.751	28.873
	S D	.324	.321	.277	.219	.193	.146	.149	.151	.191	.248	.308	.380	.256
	TOTAL OBS	241	250	278	266	272	268	272	304	294	270	255	266	3236
13	MEAN	28.835	28.830	28.844	28.820	28.847	28.913	28.906	28.906	28.936	28.859	28.906	28.743	28.864
	S D.	.324	.315	.276	.216	.187	.143	.144	.150	.184	.259	.298	.366	.252
	TOTAL OBS	272	277	307	297	305	298	329	336	324	302	287	298	3632
16	MEAN	28.842	28.792	28.816	28.808	28.832	28.899	28.893	28.894	28.914	28.845	28.888	28.729	28.847
	S D.	.324	.312	.266	.213	.186	.143	.147	.144	.185	.243	.306	.376	.251
	TOTAL OBS	242	248	279	268	273	268	273	304	291	271	255	267	3239
19	MEAN	28.834	28.830	28.837	28.806	28.832	28.894	28.884	28.888	28.917	28.863	28.885	28.747	28.853
	S D.	.321	.303	.278	.210	.183	.139	.138	.148	.188	.260	.312	.369	.248
	TOTAL OBS	232	240	267	264	270	266	295	299	279	253	233	245	3143
22	MEAN	28.878	28.818	28.858	28.835	28.863	28.919	28.897	28.893	28.920	28.846	28.846	28.750	28.860
	S D.	.313	.301	.276	.214	.183	.139	.148	.144	.199	.237	.321	.384	.252
	TOTAL OBS	177	192	216	211	218	216	177	188	183	199	184	193	2354
ALL HOURS	MEAN	28.845	28.813	28.845	28.823	28.849	28.912	28.902	28.898	28.921	28.858	28.878	28.744	28.859
	S D	.315	.311	.277	.218	.187	.142	.146	.150	.190	.251	.309	.367	.250
	TOTAL OBS	1614	1654	1855	1862	1924	1894	1951	2038	1953	1775	1668	1734	21922

USAF ETAC FORM OCT 78 0-69-5 (OL A)

END

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